HP Forum Archive 04

Welcome!

This is an archive of older posts from the HP forum.

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Merry Christmas!
*Message #1 Posted by **Steve (Australia)** on 24 Dec 2000, 6:19 p.m.*

I hope Santa brings all of you the remanents of his stock of 1970's and 80's HP Calculators.

And a Special thanks to Dave for bringing us all together.

Re: Merry Christmas!
*Message #2 Posted by **Iqbal Mohammed** on 24 Dec 2000, 6:27 p.m.,*
in response to message #1 by Steve (Australia)

Merry Christmas from Trinidad guys and lets hope that the new year brings some new ideas from HP. And yes we must not forget Dave for all the hard work he has done.

Merry Christmas!
*Message #3 Posted by **Andrés C. Rodríguez (Argentina)** on 25 Dec 2000, 7:13 a.m.,*
in response to message #2 by Iqbal Mohammed

Merry Christmas and Happy New Year for all you, friends. (I will not be online again before January 3rd.) And thank you, Dave for this site.

Andrés & family

Re: Merry Christmas!

*Message #4 Posted by **Wayne Brown (USA)** on 25 Dec 2000, 11:45 a.m.,*
in response to message #3 by Andrés C. Rodríguez (Argentina)

Merry Christmas to everyone, and especially you, Dave! Thanks to all of you for making this such an interesting place to visit.

Wayne

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HP-41 program.
*Message #1 Posted by **Nick Markov** on 22 Dec 2000, 9:04 p.m.*

In the software library for the HP-41c, the moon rocket lander program has the following listing.

10 LBL 09 11 RCL 06 12 7DSP4 13 E4 14 / 15 RCL 07

This is a program ported to the HP-41 from the HP-67. Does anybody what line 12 and 13 are? How to key them in on a HP-41?

Thanks, Nick

Re: HP-41 program.
*Message #2 Posted by **Steve(USA)** on 23 Dec 2000, 12:34 a.m.,*
in response to message #1 by Nick Markov

I don't have time for a few days to verify, but maybe one of the smart people out there could confirm "Synthetic Programming"? (Just a random guess).

Re: HP-41 program.
*Message #3 Posted by **r. d. bärtschiger.** on 23 Dec 2000, 2:40 a.m.,*
in response to message #1 by Nick Markov

Instruction at line 12 is an hp67 or hp97 instruction for DSP4. The 41 equivilent is FIX 4. Line 13 is simply 1e4, i.e. 10,000. There was some way, I don't at the moment recall just how, to enter exponants without the leading 1. E4 is the same as 1E4 except that is uses one less byte, as I recall. On a 41 simply enter FIX 4 & EEX 4. Hopes this helps.

rdb.

Moon landing simulators and display mode

*Message #4 Posted by **Andrés C. Rodríguez (Argentina)** on 23 Dec 2000, 7:26 a.m.,*
in response to message #3 by r. d. bärtschiger.

As I recall, the moon landing simulator for the HP67 was an "improved" version of the simulator for the HP25. The -67 version included the use of the PSE (Pause) function with live keyboard, so to give you four seconds to enter the amount of fuel that you are willing to burn on each program iteration.

On the HP25, the program stopped, waiting for input, and it was up to the user to enter the value and press R/S. On the HP67, the more sophisticated Pause function allowed for a value to be entered without stopping the program; and if the user did not enter a value, the program just keep running with a default value (possibly 0 in this case).

Since the Pause function had a 1 second duration, the 4 second interval was obtained repeating Pause instructions, possible with a looping construct such as DSZ (Decrement and Skip when Zero), which allowed "en passant" for a countdown display (4...3...2...1...) with almost no programming cost. (Oh, such elegant solutions from the golden time where memory was counted byte by byte and not "by the gig")

Since PSE works on this same way on the HP41, the program will work on it; keep in mind that the PSE instruction works differently on a HP42 (no live keyboard)

Another improvement this program received when ported from the HP25 to the 67 was to take into account the mass of fuel already burnt, so the Lunar Module mass decreased on each iteration.

With regard to the display mode, and taking into account that the 7DSP 4 instruction appears at the beginning of the program (which suggests an initialization routine, not part of a main loop), I assume that the display mode is set once when the program starts, and will not change during the "flight". So a FIX 4 instruction will be OK. If the program works the same way than in the HP25, the display will change to FIX 0 if the module crashed on the moon. FIX 0 should be interpreted as a Game Over message. On the next run, the display will revert to FIX 4.

I hope this will help, I was very interested on such simulators at the time, but these comments come from my memory, and there may be some missing detail.

Re: HP-41 program.

*Message #5 Posted by **bill duncan** on 23 Dec 2000, 2:48 a.m.,*

in response to message #1 by Nick Markov

Line 12 is one of the 67/97 compatibility commands available if you have a card reader plugged in. It changes the number of significant display digits without changing the display mode. (eg. if you are in engineering mode, or scientific mode, it won't change.)

Line 13 is just entering the exponent, eg. pressing "EEx" and then a "4". Actually it's a little more complicated, because normally doing this will automatically enter it as "1 E4" on the program line. However there is a way to "eat" the "1" and have the same effect, thereby saving some memory. But for your application, this probably isn't a concern.

I'm not familiar with the program, but if you don't have a card reader, you can probably easily program a replacement routine for the "7DSP4" function by testing flag 40 and 41.

You may not even need to do that however.

If the program doesn't actually change modes, then just use the display mode it uses. eg. if it is always in fix mode, then just "FIX 4". Or "SCI 4" or "ENG 4". Whatever.

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Odd C on eBay
*Message #1 Posted by **Steve (Australia)** on 22 Dec 2000, 7:24 p.m.*

Check out the HP41C in this auction. Look especially at the serial number:

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=1202565166

I think the serial number starts with 24. Were HP41C's made that recently, or is it a possibility that this calculator is simply made from parts?

Just curious, I'm not casting aspersions at the seller.

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HP 28S Battery cover Probs and Dissasembly
*Message #1 Posted by **Todd Marcucci** on 22 Dec 2000, 12:18 p.m.*

Hi, all, just found the board and wanted to pick some brains:

I've got a 28S that's starting to develop what I've seen as a "typical" problem. It would appear that the battery springs are too stiff and eventually weaken and break the battery cover, rendering the calculator all but useless. I notice mine is starting to "bulge" and I'd like to stop it.

Has anyone dismantled one of these to replace or "shorten" the battery springs? I've looked at it and it doesn't appear straightforward.

If anyone else has this problem... please help!!!

Thanks,

Todd Marcucci tmarcucci@usa.net (please email me, so I'll know to check back!)

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HP97 - Bypass Battery Pack?
*Message #1 Posted by **Knollie Sell** on 22 Dec 2000, 12:15 p.m.*

Is there any way to eliminate the requirement for the battery pack for the HP97 and merely use the ac power transformer to operate it as a desktop calculator??

Re: HP97 - Bypass Battery Pack?
*Message #2 Posted by **Victor** on 22 Dec 2000, 1:38 p.m.,*
in response to message #1 by Knollie Sell

There were several messages posted about this a while ago. Check the "HP Forum Archive 1" for messages titled "Using a 97 without batteries." The first message was posted on 29 Nov 1999.

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complex mode on HP 15C
*Message #1 Posted by **Julie** on 21 Dec 2000, 4:23 p.m.*

How do you take the HP 15C out of complex mode?

Do a CF 8.
*Message #2 Posted by **Randy Smith** on 22 Dec 2000, 1:14 a.m.,*
in response to message #1 by Julie

That should clear it.

Re: complex mode on HP 15C
*Message #3 Posted by **Thibaut.be** on 22 Dec 2000, 3:22 a.m.,*
in response to message #1 by Julie

Flag 8 sets/clears complex mode. g CF 8 clears then. BTW, Flag 9 sets/clears the flashing mode (over 9.999999 E99 or under 9.999999E-99)

Re: complex mode on HP 15C
*Message #4 Posted by **Marx Pio** on 22 Dec 2000, 8:36 a.m.,*
in response to message #3 by Thibaut.be

Try f Re<>Im (yellow function + minus sign) to start and g CF 8 to end(blue function + 5 key + number 8).

Happy Hollidays to all

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The first HP-41C?
*Message #1 Posted by **Gianmaria (Italy)** on 21 Dec 2000, 11:12 a.m.*

I bought on eBay a very nice HP-41C with the earliest S/N I ever seen... 1926A00278! The display was becoming black so I replaced it with another (from another early 41C, S/N 1932...) and now the calculator works perfectly with all its original bugs and a perfect case and keyboard.

On the Collector's Corner the earliest S/N for the 41C is 1930, but mine is 1926 and moreover the final number is extremely low so if the total production raised the million my 41C might be produced the first day of production (assuming 300 units produced each days, the grand total is 1.095.000 for 10 years of production)?

Thanks! Gian

Re: The first HP-41C?
*Message #2 Posted by **Steve (Australia)** on 22 Dec 2000, 6:23 a.m.,*
in response to message #1 by Gianmaria (Italy)

Wlodek lists 1926 as the earliest date code for the HP41C, so I suspect the collectors page is in error.

Re: The first HP-41C?

*Message #3 Posted by **r. d. bärtschiger.** on 22 Dec 2000, 11:17 p.m.,*

in response to message #1 by Gianmaria (Italy)

If there were only three hundred units produced per day then there would be only 1,500 or 2,100 per week, depending on whether they ran the line five days a week or seven. I think this number is low. My 41cx serial number is 2646s217xx, indicating that the daily output must have been about 3,100 per day. Hope this information helps answer your question. Take care.

rdb.

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HP65 reassembly
*Message #1 Posted by **John Robinson (Australia)** on 20 Dec 2000, 10:18 p.m.*

After many months of repair/restoration, my HP65 is nearly ready to be reassembled permanently. I have a new replica back label. I am thinking about only using four screws to hold the case together, and not using the screws behind the label, just in case it has to come apart again. Does anyone have any thoughts on why I shouldn;t do this ?. Thanks - John

Re: HP65 reassembly
*Message #2 Posted by **glynn** on 21 Dec 2000, 2:03 a.m.,*
in response to message #1 by John Robinson (Australia)

Ummm, because fewer screws means more stress on the remaining screws and the plastic they bite into?

Or maybe because future collectors would like to have the screws and unless you tape a bag of screws into the soft-cover case, they'll prolly get lost like so many battery-doors?

Or because I would think more of a restored calc (just MY personal druthers) in which you had affixed that replica label with a gummy glue-stick like kindergartners use, since the look would be the same but the screw ports Would be accessible AND a future collector could be aware of the restoration/replica nature of the label?

Hey, if it's only for you, I have no qualms about you doing what you suggest. For marketability's sake, however, which is presumably why you would care about the LOOK of your machine and not just the functionality, then you do need to ask collectors how they will perceive your machine with/without label, with/without screws. I am not a collector, as such, but the screws, to me, serve a useful ruggedizing structural function. At least, that is what *I* believe. And the label is a neat part of the look, BUT personally I would prefer to know if it wasn't OEM.

Re: HP65 reassembly
*Message #3 Posted by **glynn** on 21 Dec 2000, 2:41 a.m.,*
in response to message #2 by glynn

I just have a dumb thought on a way to do this:

What if you affix your replica label to a fairly thin aluminum or steel plate of appropriate size... enough to stiffen the thing so a light pry or two won't ever be a visual calamity? Then use your double-sided sticky tape or ATG adhesive-transfer tape to put the plate into place?

Well, no it would not look "stock".... but it would add a convenience factor and allow screws to remain.

Ok, enough meddling. :-) I'll get back to my last-minute X-Mas shopping now...

One thing you should consider
*Message #4 Posted by **Mike** on 21 Dec 2000, 12:42 p.m.,*
in response to message #1 by John Robinson (Australia)

The 2 screws at the top and the 2 screws in the middle assure fairly good spacing of the PC board and the switch contacts for the card reader.

Have you ever tested the card reader without putting the screws in? I have. I assembled everything and just applied pressure to the back of the battery to hold things in place and have found that the card reader is less reliable. Probably something to do with switch contacts.

I'm not sure you are really gaining anything by leaving these two screws out (since you are using a replica label anyway). And you might be making your card reader less reliable (who knows).

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HP49G
*Message #1 Posted by **Alfredo Todini** on 19 Dec 2000, 2:40 a.m.*

When the HP-49G was introduced, I decided not to buy it, because of the many reports of bugs and crashes. Since I am interested in its features (I currently use a 48G but I need more memory and a CAS) I would like to know if it can now be considered sufficiently stable and reliable for serious use. How does its CAS compare with that of the TI89? Thanks.

Re: HP49G
*Message #2 Posted by **Marx Pio (Brasil)** on 19 Dec 2000, 11:22 a.m.,*
in response to message #1 by Alfredo Todini

As a user of a 15C,28S,42S,48GX and 49G I have to say that the 49 is the best calc machine ever made. We can upgrade the 49G simply downloading the newest rom version and install it on the machine, so the bugs and the crashes are reported for the earlies rom-version users. The only disappointment is the keyboard that is simply stupid! CAS is faster, 3D graphs is realtime, prettyprint is really nice, but 48GX has many libraries and I think it will be used for a long time. Sorry, I don't use TI89 and I can't make comparisons, but I was very impressed with a TI92+ and its geometry capabilities.

Re: HP49G
*Message #3 Posted by **John Kono** on 19 Dec 2000, 8:06 p.m.,*
in response to message #2 by Marx Pio (Brasil)

If you're not using your 15C, 28S, and 42S, I'd be more than happy to take them off your hands for you. ;^)

Re: HP49G

*Message #4 Posted by **Marx Pio(Brasil)** on 20 Dec 2000, 9:46 a.m.,*
in response to message #3 by John Kono

I'm still using them, I look for a "lowpriced" 41CX, can we trade?

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Strange HP-41 IR Module Problem

*Message #1 Posted by **Mike** on 18 Dec 2000, 10:59 p.m.*

I have a couple of HP-41 (several actually). I also have an IR module that I would like to use in port 3. But, in the calculator that I want to use it in, it won't work in port 1 or 3. By "not work" I mean it does not show up with Cat 2.

I have several other modules that I used for testing. Here is what I have determined:

Calculator 1: 1) All modules (except IR) work in all ports. 2) IR module works in all ports in calculator 1.

Calculator 2 (the one I want to use it in): 1) All modules (except IR) work in all ports. 2) IR module won't work in port 1 or 3 but does work in 2 or 4.

I thought this might be a connection problem and formed the module contacts for more contact, with same results.

So, it might not be a connection problem. Is there some other explanation that I might be overlooking? I have tried the module without any other modules inserted, just in case there was some conflict.

Re: Strange HP-41 IR Module Problem

*Message #2 Posted by **db (martinez, california)** on 18 Dec 2000, 11:41 p.m.,*
in response to message #1 by Mike

you got me curious so i tried the same in my full nut cx and blank nut cx (half nut). it works in all ports and i get this order in cat 2 with the ir mod alone: time 2c, cx time, printer 3b, ext fcn 2d, cx ext fcn. // btw, last weekend i heard that hp is discontinuing the ir printer. is this news or am i 5 years late again?

I guess what I'm wondering now is...
*Message #3 Posted by **Mike** on 19 Dec 2000, 11:16 a.m.,*
in response to message #2 by db (martinez, california)

Are there contacts, in the port, that are used by my IR module, that are not used by other modules.

It looks like all my module contacts must be making contact. So what I'm trying to figure out is why the IR module does not work in slot 1 and 3 but all other modules DO work in those slots.

I have formed the contacts in the IR module to guarantee that all contacts make.

When I use the IR module in 1 and 3 I don't see the Printer 3B that you see. but in 2 and 4, I do.

Re: I guess what I'm wondering now is...
*Message #4 Posted by **John Robinson (Australia)** on 19 Dec 2000, 8:54 p.m.,*
in response to message #3 by Mike

Mike, I had a similar problem just the other day with the PPC ROM module, it would work in two ports, 1 & 3 or 2 & 4, I can't remember which ones exactly, but I had to replace the whole contact block with a new one to get it to work in all ports. Cheers, John

Gee, that sounds like fun!
*Message #5 Posted by **Mike** on 20 Dec 2000, 11:30 a.m.,*
in response to message #4 by John Robinson (Australia)

That would suggest a contact mating problem, or a broken trace (which seems unlikely). It's not a big deal because I can just put my IR module in another slot. But I was hoping to keep it in slot 3 so that I can keep it on along with the card reader.

I'll look at the contacts a little closer, thanks.

Re: Gee, that sounds like fun!
*Message #6 Posted by **Andrés C. Rodríguez (Argentina)** on 20 Dec 2000, 12:32 p.m.,*
in response to message #5 by Mike

Does the card reader "body" affect the IR path? I suppose (only guessing) that the card reader may cause sort of a shadow or tunnel that may impair the IR emissions...

No, 'Printer' does not even show up in Catalog
*Message #7 Posted by **Mike** on 20 Dec 2000, 2:23 p.m.,*
in response to message #6 by Andrés C. Rodríguez (Argentina)

nt

Re: Gee, that sounds like fun!
*Message #8 Posted by **db (martinez, california)** on 21 Dec 2000, 9:36 p.m.,*
in response to message #6 by Andrés C. Rodríguez (Argentina)

andres; it dosn't seem to have the full 40 degree span but it does work with both sitting on the same table and pointed reasonably well at each other.

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Question for Katie
*Message #1 Posted by **Hugo** on 16 Dec 2000, 10:47 p.m.*

I kept an old message you posted on the forum concerning parts reference at SmallPart.Com . Since then , I've received their catalog and I'm ready to make an order. I want to know if they sell the famous HP screws. I need to get new screw for two 41C and a Classic, so if you can tell me which part number to get, that will help me a lot.

Thanks

Hugo

Re: Question for Katie
*Message #2 Posted by **Katie** on 17 Dec 2000, 12:10 a.m.,*
in response to message #1 by Hugo

Hugo,

No, Small Parts doesn't seem carry anything that will work as a suitable case screw replacement.

-Katie

Re: Question for Katie
*Message #3 Posted by **Erik Wahlin** on 17 Dec 2000, 12:34 a.m.,*
in response to message #1 by Hugo

These screws are a #3 self tapping sheet metal screw and are very hard to find. I recently found a source but they required an order of 10,000 screws!

Re: Question for Katie
*Message #4 Posted by **Steve (Australia)** on 17 Dec 2000, 5:13 a.m.,*
in response to message #3 by Erik Wahlin

Well, make yourself a fortune!

Buy 10,000 of them, and sell sets of them on ebay with a staring bid of say... $4.

You could quite easily claim: *RARE* *MINT*

Let's see. How about this for text to go along with the item:

ATTENTION!!!! All HP 41 owners. YOU WILL need some of these one day. I've managed to get a limited number of these hard to find screws for the HP 41. We all know how easily the posts in the HP41 break, and how hard it is to find replacement screws. Once these are gone, that's it.

I'd likea cut of the profits.

Oh, if you can copy the manual for the screws, then maybe you can get an HP01 pen too ;-)

Re: Question for Katie
*Message #5 Posted by **Hugo** on 17 Dec 2000, 9:39 a.m.,*
in response to message #3 by Erik Wahlin

How much for 10,000 screw ? Maybe we can buy the lot and resell them by 100 pieces to who ever need those screw in the MoHPC. If they are selling for example the lot 100$, I'm ready to spend 5-7$ + shipping for 100 screws. And I'm sure a lot of people here are willing to also.

Hugo

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New article and battery search help
*Message #1 Posted by **Katie** on 16 Dec 2000, 10:25 p.m.*

Hi all,

I've just posted an article about battery pack rebuilding with a source and prices for every rechargeable calculator battery pack HP has used. But I still don't have a source for the 1/2N size cells used in the 82120A battery pack for the 41C. This web site says that at one time TNR Technical, Inc. sold Sanyo N-75P cells, but they are no longer made. 1/2N is the industry standard term for this size, but I can't find any manufacturer that still makes them. Do you know of one?

Thanks,

Katie

Re: New article and battery search help
*Message #2 Posted by **Ion Abraham (New Mexico)** on 17 Dec 2000, 1:07 p.m.,*
in response to message #1 by Katie

Katie,

I'm not sure this is helpful, but I recently (a few months ago) had a couple of 82120's rebuilt by TNR Technical and they did not seem to have any problem with availability of the N75P rechargeable batteries. The contact person is Marty. He is a treasure trove of information on batteries. Apparently TNR does OEM manufacturing for Sony and other large companies, that is, the company sends them the plastic housing, and they package it with the appropriate batteries. It is not a small time operation. They did a really professional job, and only charged me $20 per pack. They do not have extra packs, so you have to send them yours (for the plastic). Note that their address has changed recently: TNR Technical, Inc. 3400 West Warner Ave. Suite K Santa Ana, CA 92704 (800) 490-8418

So give Marty a call regarding availability of the rechargeable cells.

Regards,

Ion Abraham Albuquerque, New Mexico

Re: New article and battery search help
*Message #3 Posted by **Katie** on 17 Dec 2000, 1:40 p.m.,*
in response to message #2 by Ion Abraham (New Mexico)

Ion,

Thanks much! I had not called them yet just checked Sanyo, who doesn't make them any more. Perhaps Marty has old stock in them or maybe he found an alternative.

-Katie

Re: New article and battery search help
*Message #4 Posted by **Gil Petri (Brasil)** on 17 Dec 2000, 4:42 p.m.,*
in response to message #3 by Katie

Katie,

When you call Marty, please ask for a non-0800 number so we (international) can call too?

Thanks, Gil petri.

Re: New article and battery search help
*Message #5 Posted by **Jim L** on 17 Dec 2000, 6:21 p.m.,*
in response to message #4 by Gil Petri (Brasil)

I haven't called myself but here are the numbers from:

http://www.hpmuseum.org/batts/battery.htm

TNR Technical, Inc. (800) 490-8418 or (949) 253-9944, FAX (949) 253-9949

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Batteries for a HP 29C
*Message #1 Posted by **Dan Mance** on 16 Dec 2000, 3:09 p.m.*

I need to replace the Nicads - what voltage/current/size of batteries do I need? Thanks dan

Re: Batteries for a HP 29C
*Message #2 Posted by **Andrés C. Rodríguez (Argentina)** on 17 Dec 2000, 6:33 a.m.,*
in response to message #1 by Dan Mance

AA size NiCads will, do, if possible choose some with flat tops. You can find information here at the Museum; there is a link on the home page (Collecting & Using, Battery Packs & Chargers); and a just arrived article at the Articles Forum.

Please don't try to run your calculator using an AC adapter without the batteries, you will most probably ruin it. The batteries should be in good condition, and be sure they make good contact with the calculator and between themselves.

As NiMH batteries have different charging features, it is preferrable to stick to traditional NiCd, or if using NiMH, charge them with a different, specific charger outside the calculator (a good idea, in any case)

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HP-94 Software development system disc
*Message #1 Posted by **Erik Wahlin** on 16 Dec 2000, 12:17 p.m.*

I was wondering if anyone might have or know where i can get the software development system disc for the HP-94 series handheld computers.This disc has the utilities HXCOPY.EXE, HXC.EXE, HMODE.EXE, and HXCOPY.EXE.

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Rewrite an HP 41 ROM-module
*Message #1 Posted by **D. Raudzus** on 15 Dec 2000, 3:20 a.m.*

I' have ROM-module that I never use. Is it possible to rewrite it or can I throw it away? Thanks for your answer. mail@dieter-raudzus.de

Re: Rewrite an HP 41 ROM-module
*Message #2 Posted by **Steve (Australia)** on 15 Dec 2000, 7:36 a.m.,*
in response to message #1 by D. Raudzus

In general you can't rewrite it.

But what is it?

And NEVER throw it away. You hear me? :-)

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HP-01 Pens, Bracelets, HP-41C Modules and other Prizes
*Message #1 Posted by **Dave Hicks** on 14 Dec 2000, 7:47 p.m.*

As mentioned below in the "Happy Holidays from HP!" thread, HP found a stash of old HP-01 Pens. Also in the stash were a few other items like unsold HP-01 bracelets and leather straps, HP-01 replacement battery case/watch openers, HP-01 assembly tools, HP-41 ROMs and entire application pacs, a printer, a tape drive, battery doors and holders etc. I'll be giving these items away over the next year. There are several ways to get one or more items:

1) Scan one or more new and interesting manuals for inclusion on a future version of the CDs. See:

http://www.hpmuseum.org/software/swcd.htm and
http://www.hpmuseum.org/software/swcds.htm

for manuals that are already scanned or promised. See the "Happy Holidays from HP!" thread for an **incomplete** list of manuals that are needed.

If you have a scanner but don't have manuals, there are at least two chances to volunteer anyway:

Hugo has volunteered to scan most of the manuals he listed, but he says it would go a lot faster if someone would volunteer to help him. Peter Petersson has many of the manuals he listed but is unable to scan them. He is willing to lend them to someone in Germany, Austria or Switzerland (only) for scanning.

Please coordinate with me before scanning so two people don't scan the same manual. Generally I consider about 150 pages to be the minimum per pen but some manuals may be worth a pen even if short.

Don't have a scanner? On to…

2) Loan some missing manuals to me to scan. Generally you'll need to supply more pages than in option 1 because I'm doing the labor. Also, this is subject to the availability of my spare time for scanning. (I expect to have spare time in mid January through March - I have none in December.)

Don't have any needed manuals or a scanner? On to…

3) Post something very informative in the articles forum or something very "memorable" in the memories forum. Pens will be awarded for these based purely on my judgement mixed with a little random chance. Post early. Post often. Post brilliantly!

Sometimes, I'll also award pens for posts in the main forum. This could be for a great answer to a difficult question, starting or contributing to a really interesting thread or for being generally helpful over time.

That doesn't work for you either? On to…

4) Once in awhile I'll run another giveaway contest.

In general, I'll mostly give out the pens because I have the most of those. I hope I've provided enough ways to win that everyone who wants one has a good chance to get one. People who do a lot of scanning or post some really great articles will be offered their choice of the other items in addition to pens.

I'm sure many of you are very busy now, and I'm really too busy to do anything about this until January, but I wanted to give you something to think about if you have some spare time. I'll post this again early next year. Contest terms are as before in the "Happy Holidays from HP!" thread.

Re: HP-01 Pens, Bracelets, HP-41C Modules and other Prizes
*Message #2 Posted by **mktoy (US)** on 15 Dec 2000, 11:51 a.m.,*
in response to message #1 by Dave Hicks

Dave,

I guess my (potential) contribution would fall under your second (#2) option. I have both the HP 3421A Data Acquisition and Control Unit Operating Manual and the Service Manual.

The 3421 was an early/mid-80's "portable" data acq. system that incorporated HP-IL for communications with the 41C series calculators. It had a built-in battery and could be AC powered as well, using a standard 3-prong power cord. The footprint of the 3421 made it condusive for 19-inch rack installation using available mounting-ear hardware. Although the unit was primarily intended for HP-IL (serial) communication, it also had HP-IB built-in which I understand was slower than a true "HP-IB" (parallel) device because it had a standard 82169A HP-IL/HP-IB Interface module internally.

The manuals are in two big three-ring binders. The operating manual includes programming

reference (command syntax), sample HP 41 programs (including barcodes), and either 71 or 75 (maybe both) BASIC programs too. There are fold-out schematics in the Service manual.

If interested, the good news is that I live right here in here in Portland (actually Aloha).

Matt

Great!
*Message #3 Posted by **Dave Hicks** on 15 Dec 2000, 11:32 p.m.,*
in response to message #2 by mktoy (US)

Let's set something up in January - OK?

Re: HP-01 Pens, Bracelets, HP-41C Modules and other Prizes
*Message #4 Posted by **Reinhard Hawel** on 16 Dec 2000, 8:07 a.m.,*
in response to message #2 by mktoy (US)

Don't scan this. I must have it in scanned form somewhere, but didn't guess, that it was of interest for the calculator community.

Thanks Reinhard!
*Message #5 Posted by **Dave Hicks (USA)** on 17 Dec 2000, 8:25 p.m.,*
in response to message #4 by Reinhard Hawel

.

Re: HP-01 Pens, Bracelets, HP-41C Modules and other Prizes
*Message #6 Posted by **Dave Hicks** on 17 Dec 2000, 8:27 p.m.,*
in response to message #2 by mktoy (US)

Matt,

I'm going to go ahead and take Reinhard's scan since it's already done. Do have any other possibilities?

Re: HP-01 Pens, Bracelets, HP-41C Modules and other Prizes
*Message #7 Posted by **Dan M (Vermont, USA)** on 16 Dec 2000, 3:36 p.m.,*
in response to message #1 by Dave Hicks

Hi Dave,

In the spirit of the holidays (and your kind, inspiring offer), I will offer to scan the following manuals over the next few months...

1. HP 71B/HP41 Translator Module
2. 98133A BCD Interface Operating and Service (HP 9815A)
3. 98130A Plotter Interface Operating and Service (HP 9815A)

...and if anybody has any good advice to bring a 9815A back to life, I'd love to hear it!

Dan

Great!
*Message #8 Posted by **dgh@hpmuseum.org** on 17 Dec 2000, 8:11 p.m.,*
in response to message #7 by Dan M (Vermont, USA)

I've added those to the list.

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Victor, you've been published again!
*Message #1 Posted by **Frank** on 14 Dec 2000, 6:06 p.m.*

Check out ebay item: Vintage TI 58 C Calculator Computer 58c TEXAS Item #525565571 http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=525565571

Re: Victor, you've been published again!
*Message #2 Posted by **Viktor Toth** on 14 Dec 2000, 8:43 p.m.,*
in response to message #1 by Frank

LOL! Looks like I'm popular with eBay sellers. I just wish there were more like this chap, publishing a proper link, and fewer of those who just steal images!

Viktor

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New article: HP Opcode Map
*Message #1 Posted by **Dave Hicks** on 14 Dec 2000, 5:58 p.m.*

George Weigt has created a table of HP opcodes and placed it in the articles forum. Thanks George!

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Is there a way to read standard BarCode with a 41C?
*Message #1 Posted by **Mike** on 13 Dec 2000, 12:49 p.m.*

Is there such a program to make that possible?

Re: Is there a way to read standard BarCode with a 41C?
*Message #2 Posted by **Chris Catotti (Florida)** on 14 Dec 2000, 12:47 p.m.,*
in response to message #1 by Mike

Have you read up on the program BC in the PPC ROM?

No manual: BC-Block Clear?? Anyone have tip on using BarCode
*Message #3 Posted by **Mike** on 14 Dec 2000, 11:35 p.m.,*
in response to message #2 by Chris Catotti (Florida)

with the 41C, for standard barcodes.

I have the advantage pack, and PPC ROM but no manuals. If there is a way to read standard barcodes, into the HP41, can someone post what is necessary.

I don't know why the printer is required for BA but I'd like to do this without the need of a printer. Just the calc and the wand.

How?

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PID Program Listing
*Message #1 Posted by **Hugo (Quebec,Canada)** on 13 Dec 2000, 9:47 a.m.*

I'm interested in any program listing concerning PID stuff. It can be for HP-41C/42S, 71B, 75C, 67, 48xx, 32SII, 28S, 25 I don't care since I have all of them as long as it related to PID.

Thanks.

Hugo

Re: PID Program Listing
*Message #2 Posted by **Fred (France)** on 13 Dec 2000, 9:53 a.m.,*
in response to message #1 by Hugo (Quebec,Canada)

I'm sorry but : what is PID ????

Re: PID Program Listing
*Message #3 Posted by **Yos Feit(NY, NY)** on 14 Dec 2000, 9:18 a.m.,*
in response to message #2 by Fred (France)

PID = proportional, integral, differential

This describes the classic equation for feedback loop control, normally used in industrial process control. For example, a heating system (like a house) would have temperature as the stimulus and heat energy as the response. The controller calculates the PID equation using temperature as the variable and the result is the amount of heat to produce at the moment. When started, the heater will output at 100%, and as the temperature approaches the set point it will then cut back to some small constant output level. The chosen computer must calculate the equation in a loop fast enough to keep up with the changes in the stimulus. Thus an HP 41 is probably fine for home heating but not for anti lock brakes or a rocket engine.

Re: PID Program Listing
*Message #4 Posted by **Hugo (Quebec,Canada)** on 14 Dec 2000, 9:36 a.m.,*
in response to message #2 by Fred (France)

It's related to industrial automation process. If you want to learn more about this let me know.

Hugoo

Re: PID Program Listing
*Message #5 Posted by **Ron Ross** on 14 Dec 2000, 9:27 p.m.,*
in response to message #4 by Hugo (Quebec,Canada)

You will find a program to compute PID, PI and Pb parameters for the HP67/97 caclulator in a book called "Practical Process Instrumentationa & Control" Volume II. The article is on page 58 and is titled "Calculator program for new controller-tuning method" and takes 224 steps on an HP67. This means it should run on the following "modern HP's", the HP11 (tight fit), Hp15, Hp32s??, Hp42s, HP41 (almost forgot). with minimal changes. If you list a fax, I may photocopy and fax program listing sometime in next week.

Regards,

Re: PID Program Listing
*Message #6 Posted by **Hugo (Quebec,Canada)** on 14 Dec 2000, 10:03 p.m.,*
in response to message #5 by Ron Ross

I would REALLY apppriciate if you can do that for me. Email-me privatly, I'll give you my fax number.

Thanks

Hugo

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RPN and HP-IL
*Message #1 Posted by **Nigel Clayburn (UK)** on 13 Dec 2000, 7:07 a.m.*

This posting is prompted by my finding an old file in my garage.

1) RPN

There have been some discussions about the merits of RPN but I have never seen anyone quote any 'scientific justification' as to why RPN is better system for doing calculations (you don't have to convince me). To that end I offer this reference: S J Agate & C G Dury ' Electronic Calculators which notation is better' Applied Ergonomics March 1980 11.1 pp2-6. It claims to show that RPN is better than algebraic entry for both technical and non-technical users.

2) HP-IL

Some time back there was a comment that the hp-il integrated circuit was going to be second sourced by National. I have a copy of this pre-publication data sheet complete with editorial comments. The IC was going to be NSC851 or (859). The data sheet runs to at least 96 pages and is mainly a conflation of the HP-IL spec and the HP-IL IC data sheet.

3) European HP-IL

Grabau Computertechnik GmbH made the GR7 Graphics Video Controller which as well as an 80 col text display would also interpret HP GL commands. I toyed with buying one to go with my 71B but at 1690 DM (late 80's price) I could not justify the cost either as a personal purchase or to my management.

Kristal S.A Informatique, Gieres France offered the 'REGAL' system providing A/D, digital I/O, Relay and microprocessor functions on eurocards linked with HP-IL. Also an analogue output card for the HP3421A Data Acquisition Unit. The picture shows that they took the IL transformer and IC and integrated onto their PCB rather than provide it as an add-on sub assembly as in the Grabau unit.

4) HP-IL protocol.

This is an email reference to the use of HP-IL protocol using 6805's and a PC on RS232 with PASCAL by Marek B. Kaminski (mbk113@rsphy.anu.edu.au).

Finally a question. I recently acquired a Portable Plus and after replacing the batteries it now appears to be a working one. What is type of charger required? As it has the same fitting as the HP9114B Disc drive and the battery is of similar electrical capacity can one use that charger (8V 3VA). Thanks.

Re: RPN and HP-IL
*Message #2 Posted by **Philip** on 13 Dec 2000, 12:58 p.m.,*
in response to message #1 by Nigel Clayburn (UK)

I find your information interesting. I would be interested in a copy of the NS Spec if possible to get it scanned. I'm also interested in your reference to the HP-IL Protocol over RS232C, is that reference email current or have you tried it.

The power adapter for the Portable Plus is the 82059B (same as the 9114B, thinkjet, IL peripherals and the HP 41/71). I too have aquired several Portable Plus's with various ROM's, including Basic.

Re: RPN and HP-IL
*Message #3 Posted by **nigel** on 15 Dec 2000, 11:14 a.m.,*
in response to message #2 by Philip

philip

Thankyou for the confirmation about the portable plus charger.

If you have the HPIL Spec and the HPIL IC Spec (on Museum CDs) then you have most of the information already except for the front page which follows National's format. If you do want the full spec I could get it copied and sent to you. However I am away over Christmas till the New Year and not sure what my net access will be over that period.

Herewith is the full text of the emails relating to the HPIL/6811 etc. I tried the Kaminski link but it bounced. A further search of the Australian National University, Canberra might turn up something, or on 68HC11.

Email text:

Re : Networking 20 HC11 with a PC

Sylvain Bissonnette (bisson@CAM.ORG) Mon, 24 Jul 1995 20:32:08 –0500

Marek wrote:

I don’t know WHAT you want from the protocol. A few years ago we implemented a ‘software HP-IL’ using 6805s and it worked fine, but we had certain assumptions (wanted group control, didn’t care about efficiency). Mail me if you want more details. Yes, you can get a HP-IL card for the PC.

Hi Marek, Can you tell me more on your software HP-IL?

Thanks for your reply Sylivian Bissonnette Bisson@cam.org

Bisson@cam.org ! Check to the home of 68HC11 !WWW Silvain Bissonnette ! http://www.cam.org/~bisson/ 8382 DeFougeray ! Anjou, Quebec. ! H1K 1K6 ! CANADA !

Re : Networking 20 HC11 with a PC

Marek B. Kaminski (mbk113@rsphy1.anu.edu.au) Tue, 25 Jul 1995 01:29:17 –0500

Hi Marek, Can you tell me more on your software HP-IL?

Sylvain Bissonnette Sure can;

GENERALLY the HP-IL is a serial HP-IB (BP-IB, IEEE488 etc). It’s a loop (physically and logically). You send something and you listen till it comes back, then you know that the loop is alive. THIS STOPS ALL ACTION if only one station on the loop goes down.....

The protocol requires transmitting 11-bit entities (we called them chunks), out of which up to 8 bits can be data. We implemented it as two bytes (16 bits) with 5 bits wasted. The software we wrote controlled all operations on the bus as well as in the ‘devices’, ie. things we wanted internetworked (power supply controllers / monitors).

Physically it was just RS232, TX, RX and GND. The controlling PC ran a PASCAL driver which orchestrated all actions.

As I stated we did not need or expect big bandwidth; we HAD to be able to address more than 1 device at a time and perform group control (triggering), so we had to use something from the control world and not communications world.

I know that RS232 is only a point – point connection, and we did not abuse it. Each station on the loop did data recovery / resending (this also affected throughput –software retransmission.....). So if you are desperate to have the network without extra hardware, this might be your choice. Cheers, Marek.

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Implement 'AND' function with 'XOR' function.
*Message #1 Posted by **Tal** on 12 Dec 2000, 1:46 a.m.*

Hi, everybody!

I appreciate it if someone could tell me how to implement 'AND' function with 'XOR' function.

Best regards,

Tal email: td@chem.ch.huji.ac.il

Re: Implement 'AND' function with 'XOR' function.
*Message #2 Posted by **Tom (UK)** on 12 Dec 2000, 7:37 a.m.,*
in response to message #1 by Tal

I'm almost 100% sure you can't. The XOR function can't tell the difference between '1,1' and '0,0' at it's inputs. Inverting the inputs/output in whatever combination makes a new gate with an XOR or XNOR function.

You can of course make and AND function from the following:

A AND B = NOT(A) NOR NOT(B)

This is not as silly as it seems as in transistor logic a NOR gate can be smaller/faster than an AND gate (which is made from an NAND gate followed by an inverter).

Please feel free to correct me on any of the above if I have made an error.

Re: Implement 'AND' function with 'XOR' function.
*Message #3 Posted by **John Kono** on 13 Dec 2000, 3:48 a.m.,*
in response to message #2 by Tom (UK)

It can also be accomplished with an OR and two XORs.

```
| = OR   ^ = XOR


x ^ y ^ (x | y)
```

The logical reason an OR is required is that an XOR is derived from two ANDs, two NOTs, and an OR (or a logical equivalent thereof):

```
(x & !y) | (!x & y)
```

So, if an AND is desired, the OR must be factored out which, of course, requires an OR operation.

Re: Implement 'AND' function with 'XOR' function.
*Message #4 Posted by **Joe Panico** on 12 Dec 2000, 10:57 p.m.,*
in response to message #1 by Tal

Tal, What are you up to now ???????????

Joe

Re: Implement 'AND' function with 'XOR' function.
*Message #5 Posted by **Steve (Australia)** on 13 Dec 2000, 5:55 a.m.,*
in response to message #1 by Tal

If you were to bu trying to build an AND function from XOR gates, then it is indeed possible.

Imagine an XOR gate with one input held in a logic 1 state. The gate then acts as an inverter. Similarly, if the input is held low it acts as a non-inverting buffer.

Using an additional 2 diodes, and a resistor allows you to "wire-AND" the outputs of two buffers, and then buffer the output.

Depending on the nature of the surrounding logic, you could even dispense with the XOR

gates :-)

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PC and HP-IL/RS232 Interface
*Message #1 Posted by **Gianmaria (Italy)** on 11 Dec 2000, 3:02 a.m.*

Have the HP-IL/RS232 Interface and I'd to connect the PC (Pentium Win95) with the HP-2225 HP-IL printer but I am not very clever with interfacing problems, does anyone has a good clue? Thanks and Merry Christmas!

Re: PC and HP-IL/RS232 Interface
*Message #2 Posted by **Yos Feit (USA)** on 12 Dec 2000, 9:16 a.m.,*
in response to message #1 by Gianmaria (Italy)

Were you following the instructions in the interface manual? The example of connecting a printer is covered there. If you do not have the manual please let me know.

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Is there a way to change Red Display Lens
*Message #1 Posted by **Mike** on 9 Dec 2000, 8:20 p.m.*

on a classic calculator. I have two 67s and one has a crack in the red lens but it's case is better than the other case, which has some bad electronics.

I'd like to swap red lenses. Has anyone ever done that? Is there some trick to removing the lens. I have not done anything so far for fear of damaging them beyond repair.

Re: Is there a way to change Red Display Lens
*Message #2 Posted by **John Robinson** on 10 Dec 2000, 6:28 p.m.,*
in response to message #1 by Mike

Hi Mike,

I have done a similar thing with a HP41. on the 41, the plastic is glued in, so I basically swabbed some isopropanol around the area to dissolved/soften the glue, then waited of about fifteen minutes before gently pushing the plastic lens out. I don't know whether classics are glued in like the 41, so this may not help at all. The only thing against this method, was the isopropanol left a milky colored stain on the plastic, but I managed to remove this with some car polish.

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HP42S - HP15 C
*Message #1 Posted by **Marx Pio (Brasil)** on 9 Dec 2000, 5:02 p.m.*

Need to know if there's a replacement front plate of an HP 42S 'cause mine was corroded by humidity and fingers sweat. You don't imagine Amazon's temperature and humidity.

Does anyone have an HP 15 Manuals for trading?. I Have manuals of an HP48GX and an HP28S if you need it we can trade or change one to another.

Thanks

Re: HP42S - HP15 C
*Message #2 Posted by **db (martinez, california)** on 9 Dec 2000, 9:15 p.m.,*
in response to message #1 by Marx Pio (Brasil)

i can imagin. i used my 41 in the upper amazon basin (the rio napo) for a couple of months, but it handled the humidity better than i did. most things rust, rot, or turn green. fence posts sprout leaves and grow.... mabye you could use scotchbrite and sort of "brush" in a new finish to mostly hide the blemishes. or learn to wear them with...pride!

Re: HP42S - HP15 C
*Message #3 Posted by **Juan-J** on 18 Dec 2000, 10:16 p.m.,*
in response to message #2 by db (martinez, california)

db:

Ever been to the rio Napo? I've used a 41CX and a 48GX in a couple wildcat oil wells close to it. A Comp-U-Bag helped a lot to keep both machines in good shape. Later I got a poly (ethylene-vinyl acetate) bag that was better.

I used both calculators to replace my tally book, taking notes, recording pumping pressures/ rates and doing some on-the-fly number crunching. Needless to say, my hands were anything but clean, sometimes even wet from measuring mud/cement density with a mud

balance. I just pulled the calculator from my coverall pocket, used it and put it back in. And both machines survived and served well.

Marx Pio:

I agree with db. Some Scotch Brite would do no harm.

Re: HP42S - HP15 C
*Message #4 Posted by **db (martinez, california)** on 18 Dec 2000, 11:10 p.m.,*
in response to message #3 by Juan-J

did some work near coca on the napo and some near lago agrio on a northern fork called the aguarico. both a drag (mal experiencia). then a "linderacion" near tena on the misahualli, another branch of the napo. saw it near mazan in peru; what a difference! // i just use fold lock baggies and tape them shut. they arent anti-static like yours, but i havent had a problem so far and they are always available and cheap, kind of like warm beer in the jungle.

Re: HP42S - HP15 C
*Message #5 Posted by **Marx Pio** on 20 Dec 2000, 7:33 p.m.,*
in response to message #4 by db (martinez, california)

I work in Manaus, beside Rio Negro, I'm a structural engineer and things here are like said db, we almost see growing branches in steel structures.The combination humidity and temperature make my notebook looks like it went to a bath.I lost a notebook and two HP's. Think I'm gonna carry my calc machine with a pack of silica gel near to it in the case. How About?

Re: HP42S - HP15 C
*Message #6 Posted by **Juan-J** on 23 Dec 2000, 12:37 p.m.,*
in response to message #5 by Marx Pio

Marx Pio:

From my field experience with electronic field recorders and junction boxes in the jungle, silica bags wear out quite fast. I usually put the calculator in the bag when I´m home (which is thankfully cold and dry) and seal it, keeping it so until I get back. It works. Could work also sealing the bag in an air conditioned room (cold and dry too) before field use.

Regarding notebooks, mine never leaves my air-conditioned-to-65°F camper.

Otherwise it gets so wet that water drips from the screen and keyboard; the touchpads just doesn't work.

Once in a well I got a radio station that broadcasted a daily weather report, which included relative humidity; day to day it was always 97%. After a week of listening the same number, I just turned the radio off and never turned it on again. I actually saw that well's drilling rig doghouse growing some kind of weed once.

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HP 11C Repairs
*Message #1 Posted by **john** on 9 Dec 2000, 5:06 a.m.*

Does anyone know of a shop that will replace the LCD on an 11C?

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And the Winners are:
*Message #1 Posted by **Dave Hicks** on 7 Dec 2000, 7:14 p.m.*

Peter Peterson
Reinhard Hawel
Hugo

Please email me your shipping addresses so I can send you a pen. Thanks to everyone for responding. Some of you had fewer manuals listed but offered to scan them, which is great and will get you a pen anyway.

Chris, your super run-on sentence entry looked very impressive, but as I went through the first 15 or so, I found each one on the CDs already or on one of the earlier submitted lists. I then just spot-checked the rest and found a similar pattern. The language variants are interesting and it would be good to have more languages on the CD but that really wasn't what I had in mind when I challenged people to name the most manuals. I'm afraid I must call this a "damaged ballot" until the Supreme Court rules otherwise ;-)

However, if you can find some that aren't already on the CDs and are willing to scan them, then a pen awaits.

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Fixing the HP-9815 Tape Drive - A Question
*Message #1 Posted by **Mike** on 7 Dec 2000, 2:27 p.m.*

Apparently, HP cornered the market on drive wheels that disolve. I have an HP-9815A that has a problem with the tape cartridge drive.

The drive works but now has started breaking the tapes. I checked and the drive wheel on the drive is all gummy. It looks like it has disolved rather than having some sticky stuff on it.

Can anyone tell me the spec'd diameter of this wheel?

Anyone tried (or was successful) at repairing that drive wheel?

thanks,

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HP-41 speedup
*Message #1 Posted by **Steve (Australia)** on 7 Dec 2000, 9:30 a.m.*

My first HP-41 was sped up by about 40%

Did anyone here do speed-ups?

Does anyone remember how they were done, especially the ones that used reed relays to control the speed.

Does anyone want to write an article?

Re: HP-41 speedup
*Message #2 Posted by **bill duncan** on 7 Dec 2000, 2:44 p.m.,*
in response to message #1 by Steve (Australia)

My first hp-41 was done by a guy here in Toronto, Simon Hughes (I may have the spelling wrong). I don't know whether he hangs out here, and I haven't seen him for almost 20 years.

I think the instructions were from the PPC Journal, and I believe just involved changing a capacitor to modify the RC circuit timing.

The mod's worked perfectly, and it's about 40% faster. There have never been any problems reading or writing cards or on the HPIL loop, or the bar code reader. It is interesting to see how much it compresses the information on magnetic cards. (Someone used some kind of a ferrite solution once to demonstrate, and the data on the cards were compressed probably by about 40% too. But because the timing information is encoded with the data, the cards worked fine with other machines)

Re: HP-41 speedup
*Message #3 Posted by **Dave Hicks** on 7 Dec 2000, 6:36 p.m.,*
in response to message #2 by bill duncan

I have several CVs that run at 2.3x normal speed. Both came with aircraft balance and weight modules & overlays. I haven't tried them with any peripherals.

Re: HP-41 speedup
*Message #4 Posted by **bill duncan** on 7 Dec 2000, 7:38 p.m.,*
in response to message #3 by Dave Hicks

2.3 x normal? I didn't think that was possible!

One thing I forgot to mention was the distinctly higher (and more pleasent in my opinion) pitch of the BEEP and TONE functions.

Being a newbie student pilot, I'm curious about the modules you mentioned. Are they for specific aircraft? And they *only* do W&B? Curious.

Cheers.

C-9B Module
*Message #5 Posted by **Dave Hicks** on 7 Dec 2000, 8:15 p.m.,*
in response to message #4 by bill duncan

They're for a C-9B. I haven't played with them much but the labels on the overlay are: CHANGE, REVIEW, CLEAR, SECO, BASIC, CREW, CRBG, STEW, EMERG, XTRA, FUEL, PAX, CARGO, OUTPUTS, +/-, LOAD, CORR, COMP, ALL, STATION, C-9B, W&B, CG, P-S, APAC, NO, YES.

Re: C-9B Module
*Message #6 Posted by **Les (Australia)** on 7 Dec 2000, 8:32 p.m.,*
in response to message #5 by Dave Hicks

The C-9B is the military version of the DC-9, often used for medevac missions.

Best,

--- Les [http://www.lesbell.com.au]

Re: C-9B Module
*Message #7 Posted by **Juan-J** on 11 Dec 2000, 11:14 p.m.,*
in response to message #6 by Les (Australia)

Hello.

The McDonnell Douglas (now Boeing) C-9B is also known as Nightingale, and has been exported to two or three countries.

Regarding the military and the HP-41, in a book I found a picture of a US Army mortar crew. There were three people around the mortar, an officer and two soldiers. The officer had on his hand a strange box that looked like a rugged calculator, which drawed my attention.

The enclosure is thick, about time and a half the size of the standard 41, with a similar keyboard and display (namely with a gold shift key and Enter, which made me think it was a 41.) Ports are rugged too, and one of them has what appears to be an HP-IL cable.

I think this rugged device is some kind of military-type HP-41. Question is: if the HP-41 did find use with the US military, was any specialized model ever built? If so, was it similar to the rugged model

of the book and what applications was it supposed to have? If such a model exists, would be a great addition to any collection (including mine.)

My impression is that the device was used as a firing trajectory calculation aid.

On the other hand, there's a couple of paintings by Ron Volstad that depict US infantrymen using a computer that looks like an HP-75. Was this model used by the US military (or by NATO) sometime around the early 1980s?

trivial persuits, hp version
*Message #8 Posted by **db (martinez, california)** on 12 Dec 2000, 12:42 a.m.,*
in response to message #7 by Juan-J

juan - i remember seeing something called the "41 battle case" in the educalc catalog in the mid 80's. it was something that nato used, but so could we if for instance you had a 41 and a cannon and that dam dog next door just wouldn't shut up at night. some surveyors bought them too. in fact, i think that i remember an ugly and pretty model, but that might be a 71 or 75 thing. now it's my turn; have you ever seen a word processing program for a 41? mabye one that saves into extended and can print to a thinkjet?

Battle case
*Message #9 Posted by **Dave Hicks (USA)** on 12 Dec 2000, 2:10 p.m.,*
in response to message #8 by db (martinez, california)

From a 1986 EduCalc catalog.

BATTLE CASE FOR YOUR HP-41

Zengrange

Hazardous duty for your calculator? This beauty meets NATO specs for infantry use under battlefield conditions—nuclear flash, vibration and drop tested, submerged under 1.5 meter water for 2 hours. It floats with your HP-41 inside.

The British Army calls it "Robust," and you'll call it impressive! It's made of cast PBT plastic with rubber shock lining, and it has provision for a lanyard or for lashing to field-pack or thigh.

Stock #41-557 [HP-41 Battle Case] List $150.00 ..... $98.95

field-pack or thigh.

Stock #41-557 [HP-41 Battle Case] List $150.00 ..... $98.95

Re: trivial persuits, hp version
*Message #10 Posted by **Juan-J** on 12 Dec 2000, 6:20 p.m.,*
in response to message #8 by db (martinez, california)

db:

I worked on some refinements for the 41CX text editor but never went beyond that. Too much a project and too little time back then. Sorry.

Re: trivial persuits, hp version
*Message #11 Posted by **db (martinez, california)** on 12 Dec 2000, 10:10 p.m.,*
in response to message #10 by Juan-J

juan; sounds like you took the same tack as i did. i never felt like mine was anywhere near finished either, though it did do something.

Re: trivial persuits, hp version
*Message #12 Posted by **Juan-J** on 12 Dec 2000, 10:30 p.m.,*
in response to message #11 by db (martinez, california)

db:

It makes me feel fine to know that I was not the only one involved in such a project. It ´s good to know that an idea you had was not that crazy after all.

Re: Trivial pursuit, HP version
*Message #13 Posted by **Andrés C. Rodríguez (Argentina)** on 12 Dec 2000, 6:53 p.m.,*
in response to message #8 by db (martinez, california)

Not a text editor, but in 1981 I wrote a cross-assembler that ran on my HP41 and output hexadecimal opcodes for the RCA 1802 COSMAC microprocessor. As far as I recall, it handled symbolic labels for addresses. Granted, the 1802 had a very simple instruction set, and the assembler did little more than converting mnemonics to hex values.

I should try to find the mag cards, otherwise no one may believe this!

Re: Trivial pursuit, HP version
*Message #14 Posted by **Dave Hicks** on 12 Dec 2000, 7:32 p.m.,*
in response to message #13 by Andrés C. Rodríguez (Argentina)

I'd love to get that in the software library!

I don't know how many people would use it, but some things need to be saved there just to prove that people did things like that on calculators.

Re: Trivial pursuit, HP version
*Message #15 Posted by **Reinhard Hawel** on 12 Dec 2000, 8:30 p.m.,*
in response to message #14 by Dave Hicks

A friend of mine wrote a cross assembler for the Intel 8085 in 1988 on the HP-71B. I remember we used it in college. If interested I can try to dig it out somewhere.

Re: Trivial pursuit, HP version
*Message #16 Posted by **Philip** on 13 Dec 2000, 1:04 p.m.,*
in response to message #15 by Reinhard Hawel

Very interested! Would appreciate you digging it up.

That would be good to have too
*Message #17 Posted by **Dave Hicks** on 14 Dec 2000, 5:35 p.m.,*
in response to message #15 by Reinhard Hawel

.

Re: Trivial pursuit, HP version
*Message #18 Posted by **Juan-J** on 12 Dec 2000, 10:34 p.m.,*
in response to message #14 by Dave Hicks

We all did amazing stuff in our machines. Those were the days when memory was scarce and code had to be efficient, unlike today, when software becomes more and more complex just because we've got Intel and AMD round the corner to make faster microprocessors every six months.

Scarce memory - efficient code
*Message #19 Posted by **Jerry Doctor** on 13 Dec 2000, 2:29 a.m.,*
in response to message #18 by Juan-J

You know, some things about those days weren't so bad. <g> When was the last time you heard someone call a program "elegant?"

Re: Scarce memory - efficient code
*Message #20 Posted by **Juan-J** on 14 Dec 2000, 9:00 a.m.,*
in response to message #19 by Jerry Doctor

Hello.

Yes, those days weren't so bad. No help files but a lot of forethought and instructions precisely entered.

When I started writing software for the 48GX, I noticed that algebraic expressions (those with ' ' delimiters) used up almost twice as much memory than stack keystroke-by-keystroke procedures in programs. So i ended up discarding algebraics and using "procedures." It even made program execution faster.

The code looks bigger and more complicated, but it's efficient -something I have to thank to the time spent with the trusty 41.

Dave:

I´ve got a four-point Lagrange interpolation program for the HP-41 that I'd like to donate to the software library. Is it possible? I had to think a bit about procedures when I wrote it, and came to my mind when discussing these code matters.

Re: Trivial pursuit, HP version
*Message #21 Posted by **Andrés C. Rodríguez (Argentina)** on 13 Dec 2000, 8:41 a.m.,*
in response to message #14 by Dave Hicks

Dave: thank you for the encouragement. I will be very busy in the following weeks, but will try to find it around mid january. Please do not expect a full working version, it was sort of a "for myself" thing.

Re: Trivial pursuit, HP version
*Message #22 Posted by **Dave Hicks** on 14 Dec 2000, 5:36 p.m.,*
in response to message #21 by Andrés C. Rodríguez (Argentina)

That's fine. I'm sure it will make an interesting example anyway.

Re: HP-41 speedup
*Message #23 Posted by **Frédéric ALBERT (France)** on 8 Dec 2000, 11:03 a.m.,*
in response to message #1 by Steve (Australia)

FROM PPC-T

From: Philippe Montegnie <pmontegnie@o...> Date: Mon Jul 10, 2000 11:43pm Subject: HP41 Acceleration (description)

An english approximative translation is available at the end of this email.

Prologue : La manipulation decrite ci-dessous necessite de connaître un peu l'electronique. Si ce n'est pas votre cas, ne risquez pas inutilement d'alterer la santé de votre machine.

Dans les anciens modèles de HP41, vous pouvez voir un condensateur de 150pF en face d'un condensateur de 470pF.

Il suffit de changer le condensateur de 150pF par un circuit comprenant en parallele deux condensateurs de 120pF et 33pF. L'utilisation d'un ILS vous permettra de passer d'une vitesse à l'autre à l'aide d'un aimant fixé par exemple sur un des boitiers vides.

Schéma : Avant:

A ----- | | --- 150pF --- | | B -----

Après: ILS / A -----------/ -------- | | | | --- 33pF --- 120pF --- --- | | | | B ----------

ILS fermé : 153pF vitesse normale ILS ouvert : 33pF vitesse double

Le changement de vitesse doit se faire machine eteinte. Certains peripheriques ne suivront pas la nouvelle vitesse, d'où l'interêt de l'ILS pour revenir à une vitesse normale.

P.S.: Testez votre machine en SIZE maximal en faisant par programme des RCL/STO sur tous les registres. Au besoin prenez un condensateur un peu plus grand que 33pF.

---------- English approximative translation

Preliminary : The manipulation described lower need some practice level in electronic. If it's not your case, dont take the risk to alterate the health of your pocket computer.

In some older HP41 series, you can watch a 150pF condensator in front of a 470pF condensator.

You just need to replace the 150pF condensator by a circuit including in parallele deux condensator of 120pF and 33pF. The use of an ILS (french term for "magnetic switch")will make you able to switch the two speed by using a magnet fixed for example on a empty module box.

Schéma : Before:

A ----- | | --- 150pF --- | | B -----

After: ILS / A -----------/ -------- | | | | --- 33pF --- 120pF --- --- | | | | B ----------

ILS close : 153pF normal speed ILS open : 33pF double speed

The speed switch must happen when the computer is turned off. Some peripherics will not accept the turbo speed, that's why the ILS make you able to get back a normal speed.

P.S. : Test your machine in maximal SIZE with a program witch use RCL/STO functions on all registers. If needed, take a little bit grower condensator than 33pF.

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Brand New 17BII, DOA?!
*Message #1 Posted by **John Kono** on 6 Dec 2000, 10:59 p.m.*

The other day I purchased a brand new HP-17BII from the local Staples and received a most disturbing shock. An entire row of keys was dead. It was the fifth row from the top ([V] [4] [5] [6] [X]). I have purchased many new HP calculators over the past 20+ years but have never before received a malfunctioning unit, nor have I ever heard of anyone who did.

Needless to say, I hope that this doesn't mark the beginning of a new trend in quality control at HP. I can only pray that my concerns are unwarranted.

Has anybody else had a similar experience (either recently or in the past)?

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How to remove Glue from cases
*Message #1 Posted by **Tom** on 6 Dec 2000, 4:15 p.m.*

I have seen glue like what is used on models and other types of glue on calc cases. What, if any, are good ways of removing these without harming the calculator.

1) Model cement (airplane glue)

2) Glue from labels, etc.

Re: How to remove Glue from cases
*Message #2 Posted by **Frank** on 6 Dec 2000, 5:18 p.m.,*
in response to message #1 by Tom

WD-40 works well for label gum, silicone spray lube can work as well, suggest washing residue of these off with a bit of dishwashing detergent and water mix making a damp cloth, also keep away from chromed or gold plated plastic. If you need a stronger remover, use Gumout quickly and at your own risk for stronger removal capabilities. Some of the thick and solid (like epoxy) adhesives are easier to shear off to remove the largest part of them rather than starting with a solvent IMHO.

And for plastic cement...
*Message #3 Posted by **Dave Hicks** on 6 Dec 2000, 5:49 p.m.,*
in response to message #1 by Tom

Most plastic cement is a solvent that liquefies the plastic and then evaporates. The thick kind in tubes is just solvent mixed with plastic so it's less likely to get into kids' eyes. There's really nothing to remove since all that's left after the solvent evaporates is plastic.

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Need some 41CX, Quick Start Answers
*Message #1 Posted by **Mike** on 6 Dec 2000, 1:19 p.m.*

I was reviewing some catalog functions and was wondering what the distinction was between function names. Some are just names and others begin with the raised 'T'. What is the distinction between these two function name types?

Also, I was testing the File Editor and am confused. I reset all memory. So I have 219 registers for program space and 100 registers for data.

I know that as I create programs the program space decreases and is noted by a reduction of the 219 to some lower value as the program grows.

But when I created a 10 register Text file, I don't see the program space decrease; don't see the register space decrease; don't see any of the data in the text file anywhere in the data registers.

So, where is this text data actually kept. If it is program space, why does the program space not show that it has been reduced by 10 registers?

Lastly, what is the largest memory configuration for the 41CX, including all external memory?

Re: Need some 41CX, Quick Start Answers
*Message #2 Posted by **Dave Hicks** on 6 Dec 2000, 1:41 p.m.,*
in response to message #1 by Mike

Text files are created in extended memory. The max extended memory (with two extended memory modules) is 600 registers. The main memory is 319 registers.

As for "external" memory - since the 41C can access floppies, tapes and PCs, I guess "unlimited" is the best answer.

Re: Need some 41CX, Quick Start Answers
*Message #3 Posted by **Mike** on 6 Dec 2000, 1:46 p.m.,*
in response to message #2 by Dave Hicks

Well maybe I'm missing something here. I have a 41CX with NO ext memory modules. In fact, there are no modules plugged in at all.

I still show 219 program registers and 100 data registers after I create a 10 register text file. I created the text file and entered the alphabet as text. Then went back and looked at program space and register space. Maybe the wrong test?

Where is the extended memory? Or does the 41CX come with extended memory in addition to 319 main memory? Like I said, I have NO external modules installed.

Re: Never mind, I think
*Message #4 Posted by **Mike** on 6 Dec 2000, 2:09 p.m.,*
in response to message #2 by Dave Hicks

I found a command on the 41CX (EMROOM) that shows there is already extended memory. Didn't know that. Guess I need a manual:-)

Re: Never mind, I think
*Message #5 Posted by **Andrés C. Rodríguez (Argentina)** on 6 Dec 2000, 4:44 p.m.,*
in response to message #4 by Mike

The "functions with the "T" are programs, which have a "global" label such as 'MYPROG.

The built in functions appear without the "T", for example SIN.

If you would like to write a program that calculates the sine of an angle, it would like as:

01 LBL 'SIN ..... global name that gives the program its name

02 SIN ..... calls the SIN function which actually does the work

03 END ..... ends the program

If you enter this program, when you press the SIN key you will call the built in SIN

function, but if you press XEQ SIN, the calculator will search first for a program with that name, and execute the program. If no program is found, then the search will look for a built in function and execute it if one is found.

Usually you will not create such trivial programs that add nothing to built in functions, and also will not name any program with a function name; this example is based on a atypical case on purpose.

I hope it may be of help for you.

Re: Need some 41CX, Quick Start Answers
*Message #6 Posted by **Steve (Australia)** on 7 Dec 2000, 9:24 a.m.,*
in response to message #1 by Mike

How much memory is an interesting question.

The HP41 architecture seperates RAM and ROM into different address spaces. In fact the different address spaces even have different word sizes!

8 bit bytes in RAM and 10 bit bytes in ROM.

The RAM address space is 1024 registers, but because of the requirement for gaps in certain areas, the practical maximum would be less.

The status registers take up 16 registers (T, Z, Y, X, L, M, N, O, P, Q, |-, a, b, c, d, e).

Then comes 64 registers for a C or 320 registers for a CV or CX.

Then there's a gap

Then at a fixed memory address the first there's 128 (not exactly sure of this) registers of Extended memory for the Extended functions module (internal on the CX)

With each additional extended mem module you add a further 238 registers of extended memory.

So the fully expanded RAM is 16 + 320 + 128 + 238 + 238 registers (a total of 940 registers or 7520 bytes)

Note also that some peripherals appear to have memory mapped to them. The card reader in early versions would corrupt extended memory when you executed some of the 7xxxx

functions. I'm not sure if this reflects some use of RAM, or some sloppy coding.

ROM is another matter. The HP41 has 16 pages of 4K. This is a total of 64K, but there are some tricks...

Firstly the first 3 (?) pages are the HP41 Operating system.

One page is reserved for a diagnostic ROM

One page is pretty much reserved for the printer.

That leaves 11 pages.

But you can only have 4 modules plugged in! Some modules are actually double (i.e. they are 8K). In addition Port extenders were made by 3rd parties that allowed you to have more ports) Also some brave souls broke open their modules and fitted more than one inside each case (I have a X-FN + 2 x EM in one case).

But there's more. With the CX, HP demonstrated that it is possible to bank switch the HP41 ROM. Some additional ROM hides at the same address as the printer (from memory)

Some clever soul determined that it was possible to bank switch any bank, so it would be possible to address 128K of ROM (however bank switching the HP41 OS would be rather dangerous)

So In RAM, your CX has about 3.6 Kb and probably around 20K of ROM. With 4 ROM modules you would add between 16 and 32Kb to that.

And does anyone know if it was possible to do 4 way bank switching -- I seem to remember something about that????

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Ok need quick lesson on 41CX
*Message #1 Posted by **Mike** on 6 Dec 2000, 1:02 p.m.*

Can Ext Mem Modules be used with 41CX or are those just applicable for C and CVs?

What modules are of no use, for the CX, if any?

Re: Ok need quick lesson on 41CX
*Message #2 Posted by **Dave Hicks** on 6 Dec 2000, 1:11 p.m.,*
in response to message #1 by Mike

Extended memory modules work fine. X functions and the Time module are supplied as built-in functions on the CX.

Re: Ok need quick lesson on 41CX
*Message #3 Posted by **Ion Abraham (New Mexico)** on 6 Dec 2000, 3:32 p.m.,*
in response to message #2 by Dave Hicks

Mike,

Dave is right, of course, that two extended memory modules will increase that space. Be aware, however, that you cannot increase the main memory capacity with the 82106 memory modules or the quad memory modules, which only work (increase capacity) on the HP-41C. I made that mistake, and so now I have two singles and one quad, if anyone is interested.

Regards,

Ion Abraham Albuquerque, New Mexico

Re: Ok need quick lesson on 41CX

*Message #4 Posted by **Steve (Australia)** on 7 Dec 2000, 9:27 a.m.,*

in response to message #3 by Ion Abraham (New Mexico)

And from memory the 2 extended memory modules cannot be placed one above the other. They must be placed next to each other or on a diagonal.

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Program for adding fractions?
*Message #1 Posted by **Dan** on 6 Dec 2000, 12:08 p.m.*

Does anyone know if a program can be written for a 28S or 48GX so the user can add/subract fractions similar to what's available on the HP 6S? This would be a good addition for those of us who use shop drawings.

Thanks.

Re: Program for adding fractions?
*Message #2 Posted by **Paul Brogger** on 6 Dec 2000, 11:54 p.m.,*
in response to message #1 by Dan

One of the differences betwixt the 32S and the 32SII is the latter's fraction entry/conversion function. I don't use it much, but it seemed to work. You might want to take a look. (In fact, I've got a 32SII on my workbench for precisely that reason, but I think I may have used the feature once, if ever . . .)

Re: Program for adding fractions?
*Message #3 Posted by **Fred ALBERT (France)** on 7 Dec 2000, 3:51 a.m.,*
in response to message #2 by Paul Brogger

That's right : the 32SII is able to work with fractions. You just have to activate the FDISP function. One of the restriction is that the denominator must be inferior to 4095. You have different modes of fractions to fix the max value of the denominator (up to 4095 of course). You can fix the denominator too, ...

Re: Program for adding fractions?
*Message #4 Posted by **Ron Ross** on 7 Dec 2000, 8:12 a.m.,*
in response to message #1 by Dan

You have a 48GX. It will convert any decimal value into a fraction (has forced accuaracy, I believe also).

To get to menu for fraction conversion use purple shift left key, then symbolic (no purple color to indicate this)#9 key, A menu appears at top, hit next key for second set of menu's. There is a Q< key to convert any decimal into a fraction. I believe this will work for you.

There are also some programs on a link website that may have more elaborate fraction routines.

Regards,

Ron Ross

Re: Program for adding fractions?
*Message #5 Posted by **Dan** on 7 Dec 2000, 10:12 a.m.,*
in response to message #4 by Ron Ross

Can you tell me the website that has these programs for HP calculators?

Thanks.

Re: Program for adding fractions?
*Message #6 Posted by **Ron Ross** on 7 Dec 2000, 9:47 p.m.,*
in response to message #5 by Dan

Try HPcalc.org and search for fractions. It will show a casio like fraction program for the HP48 that you can download. I think it is 2-3 k RAM in size so any 48 can use.

Good luck

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Any new HP's in the making?
*Message #1 Posted by **Dan** on 6 Dec 2000, 11:56 a.m.*

Does anyone know if HP is planning to replace the 48G/48GX with another calculator in the near future?

Re: Any new HP's in the making?
*Message #2 Posted by **Marx Pio** on 6 Dec 2000, 1:16 p.m.,*
in response to message #1 by Dan

I own an HP 49G that is an 48 with a fast "OS"(MetaKernel) with 1.5MB flash rom and recently I read something about a HP machine called XPander that looks like a Palm with numeric keys. I Think HP 48 will be used for a long time since it has an application background that no other machine has in subjects as structural, Surveying and etc.

What is to be manufactured and why
*Message #3 Posted by **Andrés C. Rodríguez (Argentina)** on 6 Dec 2000, 4:24 p.m.,*
in response to message #2 by Marx Pio

Just an opinion:

The HP 48 and its siblings (as recent history shows) will not be manufactured just because they are useful or because there are applications available. Any product will be manufactured when and only when its manufacturer BELIEVES it will be profitable. And that means:

1) Sales volume

2) Profit margin (price versus direct and indirect costs)

3) Low cost of support and warranty services

4) Low stock of spare parts or units

5) No side effects on other products of the same brand (cannibalizing)

Regrettably, usefulness only has something to do with sales, and with these products, you may well buy just one unit once and use it for years.

Otherwise, the HP42S (even the HP11C, or HP41CX) would be in production today. On a usefulness and user demand view, obviously they should.

Again, this is just my opinion; and it is not something I am always happy with; but it seems to be the way things are nowadays.

Re: What is to be manufactured and why
*Message #4 Posted by **Marx Pio** on 6 Dec 2000, 7:25 p.m.,*
in response to message #3 by Andrés C. Rodríguez (Argentina)

You're right,my friend, you're right. I forgot to mention about money and its effects.

Pio - Brasil

Re: What is to be manufactured and why
*Message #5 Posted by **John** on 7 Dec 2000, 4:10 a.m.,*
in response to message #3 by Andrés C. Rodríguez (Argentina)

Do you mean HP will make useless machine that is cheap and need to be replaced from time to time, so that we won't buy a machine and use it for years?

Re: What is to be manufactured and why
*Message #6 Posted by **Andrés C. Rodríguez (Argentina)** on 7 Dec 2000, 10:09 a.m.,*
in response to message #5 by John

NO, I mean HP will make models that they feel make sense in terms of market appeal, cost of production and support, regulations enforcement (UL, FCC, International standards), components availability and product line positioning. And our chances to influence their thinking are small.

If you scan the postings here, you will see the eternal prayer for a HP 42S replacament, which has not been heard (at least yet).

Hence, I don't subscribe a view such as "some model will not be discontinued just

because users like it". And persons who already are users don't buy new units each month...

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Where are you mailing from ???
*Message #1 Posted by **Anonymous .... (France-EUROPE)** on 6 Dec 2000, 11:32 a.m.*

What do you think about what could become an habit : to write with your name the country where your are mailing from ???? It could give other people an idea about the geographic repartition of the HP calculators enthusiast !!! Whithout revealing too much private information ....

I wrote the continent too, because it is said that some people living in great country (or state) does'nt know where are the old countries of other continents !!! :))

I promise I will no more write in French !!!

Who and where are you mailing from ?
*Message #2 Posted by **Andrés C. Rodríguez (Argentina)** on 6 Dec 2000, 4:10 p.m.,*
in response to message #1 by Anonymous .... (France-EUROPE)

About our locations, I have suggested, some time ago (and with some success) the idea of adding your country of residence after your name...

And, by the way, would you consider revealing your name, Monsieur/Madame Anonymous?

Re: Who and where are you mailing from ?
*Message #3 Posted by **Thibaut.be** on 7 Dec 2000, 12:38 p.m.,*
in response to message #2 by Andrés C. Rodríguez (Argentina)

Do I really have to explain where Belgium lies ?

Re: Who and where are you mailing from ?
*Message #4 Posted by **db (martinez, california)** on 8 Dec 2000, 12:31 a.m.,*
in response to message #3 by Thibaut.be

not to the dutch. but i believe that a large percentage of the population here in the land of the formerly free would answer that it's part of the congo or something. i assume that hp users are somewhat more knowledgeable though.

Countries and GPS coordinates
*Message #5 Posted by **Andrés C. Rodríguez (Argentina)** on 8 Dec 2000, 8:28 a.m.,*
in response to message #3 by Thibaut.be

I am sure most people in this forum have a good idea about where each country is located.

I have been infected long ago with the RPN virus, now I am also a GPS fan; but I would not go as far as to suggest each of us declaring geographical coordinates in our postings!

My fix, just for this message :-)

34° 37.316' S; 58° 24.128' W

And, for a wishlist: I noticed here many surveyors discussing HP 41, 42 and 48 programs, heavy duty cases, etc. Wouldn't you like an "HP42+" with a GPS plugin module, HP 41 style ?

Me, sure! (even being an electronics engineer, far from any surveying duty)

(Would TI or Casio do this first? Casio already has a GPS watch...)

Re: Countries and GPS coordinates
*Message #6 Posted by **Steve (Australia)** on 8 Dec 2000, 9:13 a.m.,*
in response to message #5 by Andrés C. Rodríguez (Argentina)

> 34° 37.316' S; 58° 24.128' W

On what spheroid? :-)

Re: Countries and GPS coordinates
*Message #7 Posted by **Randy Smith** on 8 Dec 2000, 10:14 a.m.,*
in response to message #6 by Steve (Australia)

Well, I can use WGS-84 or ED 50. But alas no GPS receiver.

Re: Countries and GPS coordinates
*Message #8 Posted by **Andrés C. Rodríguez (Argentina)** on 8 Dec 2000, 2:55 p.m.,*
in response to message #6 by Steve (Australia)

WGS84, if I understand your question well.

Re: Countries and GPS coordinates
*Message #9 Posted by **Steve (Australia)** on 8 Dec 2000, 4:46 p.m.,*
in response to message #8 by Andrés C. Rodríguez (Argentina)

Yep, that's what I was asking for.

I am currently working in our state's land tenure department, and it is a bastion of HP calculator lovers!

There's lots of people there who have moved from the surveying industry, and I have had a number of chats with people who fondly remember the HP35 and HP45.

Many still have an HP65 somewhere in their back shed. Quite a few can reach out an pull an HP41 that they use daily. The department itself provides HP calculators to those that need them (mostly HP11C 15C, etc).

GPS

*Message #10 Posted by **Andrés C. Rodríguez (Argentina)** on 8 Dec 2000, 3:14 p. m.,*
in response to message #6 by Steve (Australia)

I have a Garmin GPS 12, sort of the HP25 of GPS, if the comparison is permitted; and am pleased with it as much as I was with my first HP calc 24 years ago. Now, I don't really use it for any serious work, except understanding GPS technology, and avoiding to get lost when traveling aboard. I don't even go fishing, camping or any outdoor activity.

In the last two years, it recorded many waypoints as I visited:

San Diego, CA; Boston, MA; Washington DC; Houston, TX (twice); Chicago, Il; Miami, Orlando & Fort Lauderdale, FL; Atlanta; GA; Francfort, Germany; Rome, Pompeii, Naples & Sorrento, Italy; Barcelona & Madrid, Spain; Portobelo, Santos & Rio; Brazil; Cordoba, Rosario, Mar del Plata & many small towns in Argentina...

(Corvallis, Palo Alto and Australia are not on my "already visited" list.)

It has a RS232 interface, I am glad it is NOT an HP-IL device... It has "continuous memory"; and its six character labels for waypoints may evoke a CAT 1 on my HP41...

I apologize to Dave Hicks if this went much way-off; which is exactly the opposite of the GPS purpose! :-)

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HP 48GX or 49G+RPN?
*Message #1 Posted by **Dan** on 6 Dec 2000, 10:59 a.m.*

I'm thinking about purchasing a new HP and don't know if the 49G+RPN has any advantage over the 48GX. I'm a structural engineer and use my HP 28S everyday. The casing is starting to split around the batter-holder and if it splits all the way, there will be no way to keep my batteries in the calculator. This is the second time it has happened and the first was covered under warranty. Any suggestions are appreciated.

Re: HP 48GX or 49G+RPN?
*Message #2 Posted by **Marx Pio** on 6 Dec 2000, 1:38 p.m.,*
in response to message #1 by Dan

I'm a structural engineer too and if you want a machine to do the job the HP48GX is the choice. I own a HP49G but I really didn't like the keys that are made of rubber, but 49 has 1,5Mb of flash-rom and are faster then 48GX. I used an HP28S for a long time with a program to check bending moments and shears on a multispan beam, and you are right in be dissapointed with the battery holder. I have an HP 42S with the same routine for beams and an routine for bending moments and reactions on a isolated slab by the Marcus process. And day by day job, I use a 16 year HP 15C. In fact, PC Structural Analysis softwares will help you be more productive, and the small routines in HP machines will lend a hand on-site checking.

Pio

programs

*Message #3 Posted by **Dan** on 6 Dec 2000, 2:44 p.m.,*

in response to message #2 by Marx Pio

What is PC Structural Analysis software? Also, do you know of an internet site that would list programs for HP calculators? If it's not too much trouble, could you send me the program you have for calculating moments and shears on a multispan beam, and/or the routine for the isolated slab?

Thanks, Dan

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HP-33C/34C
*Message #1 Posted by **Giorgio Mariani** on 6 Dec 2000, 8:47 a.m.*

This ad has been moved to the classified ads section.

Re: HP-33C/34C
*Message #2 Posted by **Anonymous** on 6 Dec 2000, 10:29 a.m.,*
in response to message #1 by Giorgio Mariani

Bonjour Thibault .....

Tu pourrais traduire en français et en anglais s'il te plait.

Je fatigue, peuchère !!!!

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HP-11C/15C
*Message #1 Posted by **Giorgio Mariani** on 6 Dec 2000, 5:26 a.m.*

This ad has been moved to the classified ads section.

Re: HP-11C/15C
*Message #2 Posted by **Anonymous ....** on 6 Dec 2000, 5:45 a.m.,*
in response to message #1 by Giorgio Mariani

Je traduis pour les non-italiano-phones :

Je suis intéressé par l'acquisition d'une calculatrice en bonne état de fonctionnement modèle HP-11C ou HP-15C pour un prix maximum de 40 à 50 dollars américains. Si vous avez ce genre de modèle ("si vous êtes intéressés ...") s'il vous plait, écrivez-moi à mon adresse e-mail. Gio

Re: HP-11C/15C
*Message #3 Posted by **Thibaut.be** on 6 Dec 2000, 8:38 a.m.,*
in response to message #2 by Anonymous ....

Caro Gio,

Qui e recommendato de scrivere in Inglese, pero e un internazionale website. Buona fortuna

Let me translate for non-french speaking people :

"I'd be interested un purchasing a good condition 11C/15C calculator. Should this interest you pleas e-mail me to ... (see adress of the first mail)"

I also asked him to write in Enlish...

Translations ...
*Message #4 Posted by **Andrés C. Rodríguez (Argentina)** on 6 Dec 2000, 10:50 a.m.,*
in response to message #3 by Thibaut.be

Just to keep in step, let me add an Spanish verision, may I suggest to Reinhard Hawel and Gil Petri to furnish German and Brazilian versions; or is it too much? :-))

Me interesa comprar una HP 11C o 15 C en buenas condiciones. Estoy dispuesto a pagar hasta 40 o 50 US$. Si esto le interesa, por favor envíe email a gi.mari@tiscalinet.it

Re: Translations ...
*Message #5 Posted by **Dave Hicks** on 6 Dec 2000, 11:31 a.m.,*
in response to message #4 by Andrés C. Rodríguez (Argentina)

Any language is fine, but wanted and for sale posts really belong on the classified Ads forum.

Re: Translations ...to Potuguese
*Message #6 Posted by **Gil Petri (Brasil)** on 6 Dec 2000, 7:00 p.m.,*
in response to message #4 by Andrés C. Rodríguez (Argentina)

LOL, let's do this!

"Estou interessado em comprar uma calculadora em bom estado de funcionamento modelo HP-11C ou HP-15C por um preço máximo de US$40 a US$50. Se você tiver interesse, escreva para meu email. giò"

Re: Translations ...to Dutch !
*Message #7 Posted by **Thibaut.be** on 7 Dec 2000, 12:36 p.m.,*
in response to message #6 by Gil Petri (Brasil)

Ik zou graag een mooie HP 11/15 C aankopen. Ik bied aan 40/50 USD. Indien interesse schrijf me ...

LOL

Re: HP-11C/15C
*Message #8 Posted by **Rupert (European Union)** on 6 Dec 2000, 11:02 a.m.,*
in response to message #1 by Giorgio Mariani

>Sono interessato all'acquisto di una calcolatrice in buone >condizioni mod. HP-11/C o HP-15/C. Pago al massimo $40/50. >Chi è interessato prego scrivermi alla mia e-mail. giò

I suppose it is better to write in English here. :) Well, consider that on eBay USA is very common to see HP15C's priced at US$200+. I discovered recently that on eBay Germany the HP calcs don't reach such high prices, so you might want to start monitoring eBay Germany. Last but not least, the shipping should be schneller. :)

Re: HP-11C/15C
*Message #9 Posted by **Victor** on 7 Dec 2000, 4:50 p.m.,*
in response to message #1 by Giorgio Mariani

There is a web page that converts between languages. It is called Alta Vista translations, and its URL is http://babelfish.altavista.com/translate.dyn.

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Battery change on HP200LX
*Message #1 Posted by **Gerard Evrard (France)** on 6 Dec 2000, 5:17 a.m.*

Sorry to bother with low level questions, but it's the second time I change the main batteries on my HP200LX and again it doesn't want to switch back on.

Last time I had to pull the backup battery to relive it (losing all my stuff - yes the 4 Mb version).

When I press [ON] it just beeps and nothing happens. I last switched it off with [ON] (and not [Shift] [OFF]) and maybe this makes a difference ?

Either it powers back on correctly or gets back in its box and lets me expand my collection of batteries. Thank you.

Re: Battery change on HP200LX
*Message #2 Posted by **Steve (Australia)** on 7 Dec 2000, 8:52 a.m.,*
in response to message #1 by Gerard Evrard (France)

The only time I've had this activity is when the main batteries are nearly dead.

But I assume yours are now fresh and new.

Did you leave any applications active (especially DOS) when you changed the battery?

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HP-41 Repair
*Message #1 Posted by **Mark L (California)** on 5 Dec 2000, 3:46 p.m.*

Does anyone still repair HP-41's in the USA? My last source, "International Calculator and Computer" in Orlando, Fla. has apparently discontinued service. Ihave a 48 but for certain aplications it is a snail compared to a 41 with survey pac. Thanks in advance for any help.

Mdl

Re: HP-41 Repair
*Message #2 Posted by **Ion Abraham (New Mexico)** on 7 Dec 2000, 9:03 a.m.,*
in response to message #1 by Mark L (California)

Mark,

No, I don't know of anyone, but if you find a source please let us know. I am at the moment particularly interested in someone who can fix a 82143A printer. Mine seems to print about half way on any given line half the time, and gives error messages the other half. I haven't had time to really look at it though, and I need to have the battery rebuilt first, I suppose.

Regards,

Ion Abraham Albuquerque, New Mexico

Re: HP-41 Repair
*Message #3 Posted by **db (martinez, california)** on 8 Dec 2000, 12:38 a.m.,*
in response to message #2 by Ion Abraham (New Mexico)

my printer did that. the little grooved shaft that drives the head left and right was dry. i cleaned it with white gas on a q-tip and dabbed a bit of wd40 back onto it with the other end. it works ok now.

Re: HP-41 Repair
*Message #4 Posted by **Edwin H. Heusinkveld** on 19 Dec 2000, 5:44 a.m.,*
in response to message #2 by Ion Abraham (New Mexico)

Hi there,

For repair-info look at the HP site: http://www.hp.com/calculators/techsupport/disc_faq.html#11

At this page HP suggests:

International Calculator and Computer, 2916 Corrine Dr., Orlando, FL 32803, USA, phone: 407-898-0081.

Good luck!!

Edwin H. Heusinkveld Enschede, The Netherlands

Re: HP-41 Repair
*Message #5 Posted by **Ion Abraham (New Mexico)** on 19 Dec 2000, 6:32 p.m.,*
in response to message #4 by Edwin H. Heusinkveld

Edwin,

Note that Mark, in the beginning of this thread, said that International Calculator has now discontinued service. I have not actually called them myself, but it seems that other options would be quite desirable, given that they are rather expensive, anyway, from the information on their web page.

Regards, Ion Abraham Albuquerque, New Mexico

Re: HP-41 Repair
*Message #6 Posted by **Joe Nierman** on 23 Dec 2000, 12:30 a.m.,*
in response to message #1 by Mark L (California)

Could someone point me to a web site that had detailed information about disassembling and repairing HP40C's?

Thanks, Joe

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What do you get for your $50?
*Message #1 Posted by **Jim Goet** on 5 Dec 2000, 1:34 p.m.*

Appart from the 2 connectors at the bottom of the expansion slot does anybody know what the HP48GX has over the HP48G+?

As the G+ has the same ammount of memory as the GX does HP now use the same circuit board / ROM etc. for both?

Re: What do you get for your $50?
*Message #2 Posted by **Victor** on 5 Dec 2000, 4:44 p.m.,*
in response to message #1 by Jim Goet

The main thing you get for your $50 is two expansion slots. However, I believe this is a major advantage. In addition to being able to expand memory, you can buy application pacs similar to the ones which were available for the HP-41 which can contain programs that are much bigger than will fit in memory. In my opinion, this is worth much more than the additional $50.

Re: What do you get for your $50?
*Message #3 Posted by **Jim Goet** on 6 Dec 2000, 7:24 a.m.,*
in response to message #2 by Victor

Thanks for your reply. I see that the user gets the expansion possibility but if the only difference is a $1 connector then either the G+ is very cheap or the GX is over priced. :-(

I do realise that HP have to make the best profit from the goods they sell but I feel a bit annoyed in having to pay $50 (or to put it another way 50% more) for the expansion slots when they may only cost a small fraction of that.

Jim.

Re: What do you get for your $50?
*Message #4 Posted by **Ron Ross** on 6 Dec 2000, 8:16 a.m.,*
in response to message #3 by Jim Goet

The 48 G + is cheap. What the extra $50 is for is the extra research, support and memory the 48 GX had to offer over the original 48G. After many years and a big price drop in RAM, HP decided to expand memory of the 48G and call it the G+ and offer it at the price of a 48G. HP has not reduced the 48GX as much(it used to sell for $220+ something and the 48SX listed at over $300). That is why the $50 difference. That extra port means having to supply extra support to other development teams and companies that may try to make additional hardware.

Extra features may only cost a few dollars more to install but may lead to additional costs of operation and support.

Re: What do you get for your $50?
*Message #5 Posted by **Frank** on 6 Dec 2000, 9:51 a.m.,*
in response to message #4 by Ron Ross

On that note I'd add that the 48G+ may well be one of the biggest bargains in the new category out there at this time since available street NIB for 89.XX$ $48G's and SX's on ebay are often available for 20-40$ as well. My 39G has still not left the package, so I can't comment on that one.

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HP-49G
*Message #1 Posted by **John** on 5 Dec 2000, 7:54 a.m.*

Does anyone know where I can get help using the 49G sbs? I called the tech support number and got some lame operator that took my question and said she would get back to me. Well, that did not happen, this lady had no clue. Is there a web site similar to Texas Instruments where someone can actually answer simple Calc. questions??? Thanks for any help you can give me.

Re: HP-49G
*Message #2 Posted by **Ron Ross** on 5 Dec 2000, 9:36 p.m.,*
in response to message #1 by John

Sorry to hear about your problems. The Hp49 is not Hp's most loved calc, but ask your questions here and someone should help. The calcs manuals can be downloaded from hp's official web site and the calcs own pathetic manual can answer some of the very simple questions. Post any others here and I will try to answer them within a day or so if no one else jumps in. (Please do anyone, I only own this machine but still use my 48 most of the time)

Regards

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Re: Equation Library &HP17BII
*Message #1 Posted by **Michael Burns** on 4 Dec 2000, 8:19 p.m.*

Is there one on this site. Titles & AUTHORS for the FOR THE BEST BOOKS ON THIS CALCULATOR. THANKS

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HP Forum Archive 04

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Happy Holidays from HP!
*Message #1 Posted by **Dave Hicks** on 4 Dec 2000, 5:44 p.m.*

Hewlett Packard cleaned out another cubbyhole and found a stash of "new", never sold, stainless steel pens for the HP-01. These are the pens that have a ballpoint in one end and a stylus in the other - both retractable by twisting. I intend to offer these as rewards for people who scan manuals for future CD sets, and to give them an idea of what to scan, I'm starting the following contest:

Take a look at:

http://www.hpmuseum.org/software/swcd.htm

And this list:
HP-80 Real Estate Applications
HP-41C Navigation Pac
HP-41C Chemistry User's Library
HP-19C/29C Finance Solutions
HP 9825 Operating and Programming
HP 9825 Advanced Programming
HP 9825 String Variable Programming
HP 9825 General I/O Programming
HP 9825 Extended I/O Programming
HP 9830 Math Pac
HP 9880 Mass Memory Operating Manual

I would like everyone to post the names of out-of-production calculator, early 98xx and series 80 manuals that are missing from the two lists above. (Including ROMs, application pacs user's library books etc. but only HP documents please.)

I'll give pens to the 3 people who can name the most unique missing manual names. Repeating a manual already posted by someone else doesn't count. It's OK to make multiple posts (in fact, due to the previous rule, it's a good idea so your ideas don't get "taken" while you're thinking of more) just keep your name consistent so I can add them up. Start posting now! This contest will end 72 hours after this message was posted.

Terms: I am the final arbiter of who gets or doesn't get a pen. (What do you expect for free!) I will be following the rules above as I understand them. The ballpoints are not guaranteed to not be dried, even though the two I tested did work! These pens are still in individual plastic bags for protection so I'm not going to take any more out and get fingerprints on them. It may sometimes take a few weeks for me to ship them. (Again, great service for the price!)

Re: Happy Holidays from HP!
*Message #2 Posted by **Steve (Australia)** on 4 Dec 2000, 5:46 p.m.,*
in response to message #1 by Dave Hicks

Well I got in first, but I have no Idea what the answer is?

:-) Merry Christmas

Re: Happy Holidays from HP!
*Message #3 Posted by **Reinhard Hawel** on 4 Dec 2000, 7:50 p.m.,*
in response to message #1 by Dave Hicks

OK, let's begin:

Hewlett Packard 9810A Calculator Statistics Block Operating Manual (HP 09810-90005)

Hewlett Packard Calculator 9810A Stat Pac (HP 09810-70800)

HP9831A System Test Manual (09831-90031)

Some 9825 manuals: ---------- HP 9825 Matrix Programming (HP 09825-90022)

HP 9825 I/O Control Reference (HP 09825-90210)

9825/9885 Disk Programming Manual (09885-90000)

which was later replaced by

HP 9825 Disc Programming (HP 09825-90220)

9825 A/B Pocket reference (09825-90012)

9825 QA/B System Test Booklet (09825-90037)

9825 A/B Error codes Booklet (09825-90015)

9825B Manual Kit (09825-87901) (A collection of 90200 (OP and prog. Ref), 90210 (I/O Control), 90012 (Pocket ref.)

Do the peripherals also count They also have 09825-xxxxx doc numbers:

HP9863A Tape reader Operating note (09825-90041)

9864A Digitizer Operating note (09825-90042)

9866A/B Printer Operating note (09825-90043)

9869A Card reader oiperating note (09825-90044)

9871A Printer Operating note (09825-90045)

9883A Tape reader Operating note (09825-90046)

9884B Tape Punch Operating note (09825-90047)

9881A Printer Operating note (09825-90048)

6940A Multiprogrammer Operating note (09825-90049)

98035A Real Time Clock Operating note (09825-90054)

9875A Tape Cartridge Memory Operating note (09825-90075)

"9800 series calculator spare fuses" (5955-2829)

Is this enough for the first time ? :-)

Reinhard

There were some interfaces too:

Series 9825: HP9832A, HP9833A, HP9834A Interface cards Technical Data March 1976 (5952-9080)

98032A Parallel I/O interface (or 16 Bit Interface) Installation and Service (98032-90000)

98033A BCD Interface Installation and Service (98033-90000)

98034A HP-IB interface Installation and Service (98034-90001)

98035A Real time clock Installation and Service (98035-90000), not to confuse with the op note 09825-90054 mentioned above

98036A Serial I/O interface Installation and Service (98036-90001)

HP 9878A I/O expander Installation and Service (09878-90000) (not to confuse with the 9868 manual you already have in your CD list)

HP9874A Digitizer Documentation (09874-90000)

There were also some other associated manuals for the usage of the 9885 8" disc drive with some desktop calculators:

HP9825A Disk Programming (09885-90000)

HP9831A Disk operating and programming (09885-90050)

HP9835A, HP9845A: Mass storage techniques (09835-90070)

Impressive
*Message #4 Posted by **Dave Hicks** on 5 Dec 2000, 12:50 a.m.,*
in response to message #3 by Reinhard Hawel

Don't worry folks, there are **three** pens to be won ;-)

Re: Impressive
*Message #5 Posted by **Reinhard Hawel** on 5 Dec 2000, 6:22 a.m.,*
in response to message #4 by Dave Hicks

I own some of them, but I don't have the time to scan now (maybe Dec, 24-26 will give me some time -> no, I think there is something, but I don't remember what. :-)

BTW: I remembered, that you should get the HP-71 service manualsome time ago. I'm not really sure, if I sent you the files.

Re: Happy Holidays from HP!
*Message #6 Posted by **Hugo** on 4 Dec 2000, 8:10 p.m.,*
in response to message #1 by Dave Hicks

I REALLY don't know if I understand the rules clearly... :)

Here's what I found that you didn't mentionned.

- HP System 35 Reference Guide HP-9835A

- HP System 35 Exerciser HP-9835A

Hugo

You're doing fine for someone who isn't sure of the rules...
*Message #7 Posted by **Dave Hicks** on 5 Dec 2000, 12:47 a.m.,*
in response to message #6 by Hugo

Please let me know what I can clarify.

Re: Happy Holidays from HP!

*Message #8 Posted by **Hugo** on 5 Dec 2000, 9:06 p.m.,*

in response to message #6 by Hugo

I think I'm starting to understand the rules now :)

Here is some more I dig out from my collection:

HP-41 Machine Design Pac Rom Manual (00041-15020)

HP-41 Home Construction Estimating (UL) (00041-90096)

HP-41 Fluid Dynamics (UL) (00041-90139)

HP-41 Test Statistics (UL) (00041-90082)

HP-41 Heating/Ventilating/ Air Conditionning (UL) (00041-90140)

HP-41C/CV Operating Manual, A guide for experienced user

HP-41 Home Management Pac Manual

HP-32S Engineerinng Application Step-byStep Solutions

HP-71 Finance Pac 82482 Manual

HP-45 Quick Reference Guide

Your HP Financial Calculator: an introduction to financial concept and problem solving (5955-5296)

HP-67 Standard Pac

HP-38E/C HP-37E Marketing & Forecasting Applications

+++ SEVERALS manual in FRENCH.. too many to list them.

Re: Happy Holidays from HP!
*Message #9 Posted by **Les (Australia)** on 4 Dec 2000, 9:47 p.m.,*
in response to message #1 by Dave Hicks

Surprised they're not on the lists, but:

HP-65 Math Pac 1 HP-65 EE Pac 1

What's more, I've got them here, and I can take a hint. I'll fire up the scanner later this afternoon.

Best,

--- Les [http://www.lesbell.com.au]

> **Thanks for the names AND for scanning them!**
> *Message #10 Posted by **Dave Hicks** on 5 Dec 2000, 12:49 a.m.,*
> *in response to message #9 by Les (Australia)*
>
> .

Re: Happy Holidays from HP!
*Message #11 Posted by **Nenad Vulic (Croatia)** on 5 Dec 2000, 2:30 a.m.,*
in response to message #1 by Dave Hicks

I noticed that the following manual: HP-33E Surveying is missing from the list.

Re: Happy Holidays from HP!
*Message #12 Posted by **Thibaut.be** on 5 Dec 2000, 4:38 a.m.,*
in response to message #1 by Dave Hicks

I will scan the HP 41 navigation manual for you.

> **Re: Happy Holidays from HP!**
> *Message #13 Posted by **Dave Hicks** on 5 Dec 2000, 1:29 p.m.,*
> *in response to message #12 by Thibaut.be*
>
> Thanks but I do have that one scanned. To clarify: both lists are of manuals that are currently scanned or promised.

Re: Happy Holidays from HP!
*Message #14 Posted by **Reinhard Hawel** on 5 Dec 2000, 8:25 a.m.,*
in response to message #1 by Dave Hicks

OK, let's continue

Hewlett Packard Tischrechner 9825A Bedienung und Programmierung (German) (09825-90095)

Hewlett Packard 9825A Calculator General I/O Programming (09825-90024)

Hewlett Packard 9825A Calculator 9872A Plotter Programming (09825-90026)

Interfacing Concepts and the HP9825A (09825-90060)

9825B/T Desktop Computer Specifications Technical Data, May 1980 (5953-4524)

9872A Plotter Error Codes + 9872A HP Graphics Language Instructions + 9872A Plotter ROM Syntax for 9825A and 9831A (Plastic Ref. Card, July 1977) (09825-90004)

Re: Happy Holidays from HP! - Ooops I forgot another booklet
*Message #15 Posted by **Reinhard Hawel (Austria)** on 5 Dec 2000, 8:31 a.m.,*
in response to message #14 by Reinhard Hawel

Hewlett Packard 9825A Calculator Error Messages (Small booklet) (09825-90015)

Re: Happy Holidays from HP!
*Message #16 Posted by **Peter Petersson (Germany)** on 5 Dec 2000, 8:35 a.m.,*
in response to message #1 by Dave Hicks

Here are some HP manuals I did not find on the CD-list:

HP-9100A Operating and Programming

HP-34C Surveying Applications
HP-34C Student Engineering Apllications

HP-41 ROM Manuals:
00041 - 15043 HP-IL Development Module
00041 - 15020 Machine Design Pac

00041 - 15021 Structural Analysis for Civil Engineers
00041 - 15023 Home Management Pac
00041 - 15024 Clinical Lab/Nuclear Medicine

HP-41 User's Libary Solution Books:
00041 - 90141 Surveying Library Book
00041 - 90082 Test Statistics
00041 - 90136 Real Estate
00041 - 90441 Structural Design
00041 - 90100 Chemical Engineering (NOT Chemistry)
00041 - 90094 Business Stats/Marketing/Sales
00041 - 90138 Solar Engineering
00041 - 90145 Calenders
00041 - 90137 Small Business
00041 - 90139 Fluid Dynamics & Hydraulics
00041 - 90093 Antennas
00041 - 90096 Home construction Estimating
00041 - 90143 Optometry I (General)
00041 - 90144 Optometry I (Contact Lens)
00041 - 90097 Cardiac-Pulmonary
00041 - 90092 Control Systems
00041 - 90140 Heating, Ventilating & Air Conditioning
00041 - 90395 Time Module Solutions

HP 92234T An Easy Course in Programming the HP-41
HP 92235S Electrical Circuits for Students
HP 92235R Statics for Students

HP 82168A Acoustic Coupler (Modem) Owners Manual

HP-71 HP-IL Interface Owner's Manual
HP-71 HP 82488A Data Communications Pac Owner's Manual
HP-71 HP 82481A AC Steady State Circuit Analysis Pac Owner's Manual
HP-71 HP 82483A Surveying Pac Owner's Manual

HP-71 Users Library Solution Math
HP-71 Users Library Solution Games
HP-71 Users Library Solution General Utilities

HP-75 Users Library Solution Math II
HP-75 Users Library Solution Math III
HP-75 Users Library Solution Games I

HP-75 Users Library Solution Electronics
HP-75 Users Library Solution Real Estate
HP-75 Users Library Solution Statistics
HP-75 Users Library Solution Test Statistics
HP-75 Users Library Solution I/O Utilities
HP-75 Users Library Sol. Mass Media Duplication/Privacy
HP-75 Users Library Solution Graphics

HP-75 Plug-In Simulator Owner's Manual
HP 82718A HP-75 Expansion POD Manual

HP-75 I/O Rom Programming Techniques Manual
HP-75 Real Estate Pac Owner's Manual
HP-75 Finance Pac Owner's Manual
HP-75 Data Analysis Pac Owner's Manual
HP-75 Surveying Pac Owner's Manual
HP-75 Electrical Engeneering Pac Owner's Manual
HP-75 VisiCalc Owner's Manual
HP-75 Math Pac Owner's Manual
HP-75 Text Formatter Owner's Manual
HP-75 Data Communications Owner's Manual

-Peter

Re: Happy Holidays from HP!
*Message #17 Posted by **Peter Petersson (Germany)** on 5 Dec 2000, 8:44 a.m.,*
in response to message #16 by Peter Petersson (Germany)

HP-67 User's Library Solution Books:

00097 - 14004 Taxes 1979
00097 - 14008 Test Statistics
00097 - 14011 High-Level Math
00097 - 14027 Beams & Columns
00097 - 14032 Marketing/Sales
00097 - 14039 Small Business

-Peter

Re: Happy Holidays from HP!

Message #18 Posted by ***Peter Petersson (Germany)*** *on 5 Dec 2000, 8:57 a.m.,*
in response to message #17 by Peter Petersson (Germany)

That's all for now:

09825 - 90042 Hewlett-Packard 9825A Calculator 98032A Option 064 Interface
09825 - 10001 Hewlett-Packard 9825A General Utility Routines

09830 - 90029 Hewlett-Packard 9830A Calculator 11272B Extended I/O ROM Operating Manual
11282 - 90000 Hewlett-Packard 9830A Calculator 11282A Incremental Plotter Interface Operating and Service Manual
09830 - 90002 Hewlett-Packard 9830A Calculator 11274B String Variables ROM Operating Manual
09830 - 90019 Hewlett-Packard 9830A Calculator 11289B Advanced Programming II ROM Operating Manual

09845 - 90000 Hewlett-Packard System 45 Tischcomputer Bedienungs- und Programmierhandbuch
09845 - 91001 Hewlett-Packard System 45 Desktop Computer Beginners Guide
09845 - 91000 Hewlett-Packard System 45 Desktop Computer Operating and Programming
09845 - 90050 Hewlett-Packard System 45 Desktop Computer Graphics Programming Techniques
09845 - 91070 Hewlett-Packard System 45 Desktop Computer Mass Storage ROM Programming
09845 - 92060 Hewlett-Packard Series 9800 Desktop Computers I/O ROM Manual for HP9835A/B and 9845B/C
09845 - 91050 Hewlett-Packard Series 9800 Desktop Computers Graphics ROM Manual for HP9845B
09835 - 90121 Kurzübersicht Systeme 45 und 35, Erweitertes HP Basic

09895 - 90000 9895A Flexible Disk User's Manual
09835 - 15221 HP 9800 Computer Systems Flexible Disk Utilities Manual for the HP 9835/HP9845
09134 - 90000 HP 9133A/B, 9134A/B and 9135A Disk memory User's Manual

-Peter

Re: Happy Holidays from HP!
*Message #19 Posted by **Gianmaria Porrini (Italy)** on 5 Dec 2000, 9:04 a.m.,*
in response to message #1 by Dave Hicks

I am ready to scan follow Manuals:

HP-9120A Printer Owner's Manual (printer mounted on top of the 9100A/B calculator),

HP-9160A Optical Card Reader Owner's Manual (motorized card reader for the 9100A/B),

HP-9865A Tape cassette Owner's Manual (for the 9800 series),

HP-65 Navigation Pac.

Thanks! Gian

http://welcome.to/gian

Re: Happy Holidays from HP!
*Message #20 Posted by **Les (Australia)** on 6 Dec 2000, 12:48 a.m.,*
in response to message #19 by Gianmaria Porrini (Italy)

Gian, save yourself some work - my son Duncan has already scanned the 65 Nav Pac and it's on the museum CD's, as well as at

ftp://abelard.lesbell.com.au/pub/hpcalcs/65/navpac/

Best,

--- Les [http://www.lesbell.com.au]

Re: Happy Holidays from HP!
*Message #21 Posted by **Dave Hicks** on 7 Dec 2000, 6:17 p.m.,*
in response to message #19 by Gianmaria Porrini (Italy)

Gian,

I'm afraid I may have confused you about the rules, because I believe that all of the manuals that you listed are on the CDs already. I was only looking for manuals that weren't already on the two lists.

I am now returning to the hand-counting of dimpled ballots. (I think that will make sense even outside the US.)

Dave

Re: Happy Holidays from HP!
*Message #22 Posted by **Wayne Brown (USA)** on 8 Dec 2000, 6:48 a.m.,*
in response to message #21 by Dave Hicks

This has nothing to do with the contest, but on the general subject of scanning...

Some time ago we talked about adding scans of quick reference guides and keyboard overlays to your CD collection. I offered to do several myself, but I can't remember now whether you were interested or not. Also, I have a couple of 41CX manuals that I could scan, but again, I don't remember if you needed those. My scanner's just gathering dust right now, so the offer's still open if you want me to proceed.

I waited till the pen contest was over to bring this up because this was a "pre-existing" offer that I didn't think should be eligible. (Sort of like absentee ballots with bad postmarks. :-)

Re: Happy Holidays from HP!
*Message #23 Posted by **Joe R.** on 5 Dec 2000, 6:37 p.m.,*
in response to message #1 by Dave Hicks

Dave,

I would like to suggest that when you include the manuals on your CD disk that you include the name of the person that scanned it. Both to give them credit and so that if someone heeds the software (if any) that goes with the manual, they will know who to contact.

Joe

> **Sure, no change planned there**
> *Message #24 Posted by **Dave Hicks** on 5 Dec 2000, 7:20 p.m.,*
> *in response to message #23 by Joe R.*
>
> I've always listed the names of the people who scanned the manuals.

Re: Happy Holidays from HP!
*Message #25 Posted by **Chris Catotti** on 6 Dec 2000, 6:32 p.m.,*
in response to message #1 by Dave Hicks

If it says HAVE, I have one. I have tried to collect as many languages as possible, with my real interest in the HP-41. If anyone wants it in Lotus 123 or Excel, just e-mail me. CHRIS.

HP 00041-15001 STANDARD APPLICATIONS ENGLISH APPLICATION PAC HP 00041-15005 SURVEYING ENGLISH APPLICATION PAC HP 00041-15006 CIRCUIT ANALYSIS ENGLISH APPLICATION PAC HP 00041-15017 NAVIGATION ENGLISH APPLICATION PAC HP 00041-15018 AVIATION ENGLISH APPLICATION PAC HP 00041-15019 THERMAL &TRANSPORT SCIENCE ENGLISH APPLICATION PAC HP 00041-15020 MACHINE DESIGN ENGLISH APPLICATION PAC HP 00041-15021 STRUCTURAL ANALYSIS ENGLISH APPLICATION PAC HP 00041-15022 GAMES ENGLISH APPLICATION PAC HP 00041-15023 HOME MANAGEMENT ENGLISH APPLICATION PAC HP 00041-15024 CLINICAL LAB & NUCLEAR MEDICINE ENGLISH APPLICATION PAC HP 00041-15027 STRESS ANALYSIS ENGLISH APPLICATION PAC HP 00041-15039 PETROLEUM FLUIDS ENGLISH APPLICATION PAC HP 00041-15042 AUTO/START DUPLICATION ROM ENGLISH APPLICATION PAC HP 00041-15043 HP-41 HP-IL DEVELOPMENT MODULE ENGLISH APPLICATION PAC HP 00041-15044 STANDARD APPLICATIONS DUTCH APPLICATION PAC HP 00041-15045 STANDARD APPLICATIONS FRENCH APPLICATION PAC HP 00041-

15046 STANDARD APPLICATIONS GERMAN APPLICATION PAC HP 00041-15047 STANDARD APPLICATIONS ITALIAN APPLICATION PAC HP 00041-15048 STANDARD APPLICATIONS SPANISH APPLICATION PAC HAVE HP 00041-15049 MATH/STAT ENGLISH APPLICATION PAC HP 00041-15050 MATH/STAT GERMAN APPLICATION PAC HP 00041-15051 MATH/STAT FRENCH APPLICATION PAC HP 00041-15052 MATH/STAT SPANISH APPLICATION PAC HP 00041-15053 MATH/STAT ITALIAN APPLICATION PAC HP 00041-15054 MATH/STAT JAPANESE APPLICATION PAC HP 00041-15055 HP-41 ADVANTAGE ENGLISH APPLICATION PAC HP 00041-15055 FINANCIAL DECISIONS ENGLISH APPLICATION PAC HP 00041-15055 FINANCIAL DECISIONS FRENCH APPLICATION PAC HP 00041-15055 FINANCIAL DECISIONS GERMAN APPLICATION PAC HP 00041-15055 FINANCIAL DECISIONS ITALIAN APPLICATION PAC HP 00041-15055 FINANCIAL DECISIONS SPANISH APPLICATION PAC HP 00041-15055 REAL ESTATE ENGLISH APPLICATION PAC HP 00041-15055 SECURITIES ENGLISH APPLICATION PAC HP 00041-15056 HP-41 ADVANTAGE FRENCH APPLICATION PAC HP 00041-15057 HP-41 ADVANTAGE GERMAN APPLICATION PAC HAVE HP 00041-90001 HP-41C OWNER'S HANBOOK AND PROGRAMMING GUIDE ENGLISH HAVE HP 00041-90012 HP-41C BEDIENUNGS- UND PRGRAMMIERHANDBUCH (MANUAL) GERMAN HP 00041-90014 HP-41CV/CX OWNER'S MANUAL JAPANESE ACCESSORY HAVE HP 00041-90017 HP-41C MANUALE E GUIDA ALLA PROGRAMMAZIONE ITALIAN HAVE HP 00041-90018 HP-41C STANDARD APPLICATIONS (MANUAL) ENGLISH ACCESSORY HAVE HP 00041-90022 GUIDA RAPIDA HP-41C (qrc) ITALIAN HP 00041-90026 HP-41C OPERATION GUIDE JAPANESE ACCESSORY HAVE HP 00041-90027 HP-41C STANDARD PROGRAMMSAMMLUNG (MANUAL) GERMAN HAVE HP 00041-90029 HP-41C LIBRO DI APPLICAZIONI ITALIAN HAVE HP 00041-90030 HP-41C STAT PAC (MANUAL) ENGLISH HAVE HP 00041-90031 HP-41C STATISTIK-PAKET GERMAN HAVE HP 00041-90034 HP-41C MATH PAC (MANUAL) ENGLISH HAVE HP 00041-90035 HP-41C MATHEMATIK-PAKET (manual) GERMAN HAVE HP 00041-90061 HP-41C STAT PAC QUICK REFERENCE CARD HAVE HP 00041-90065 HP-41C MATH PAC I QUICK REFERENCE CARD HAVE HP 00041-90082 TEST STATISTICS ENGLISH SOLUTION BOOK HP 00041-90083 HIGH LEVEL MATH ENGLISH SOLUTION BOOK HAVE HP 00041-90084 GEOMETRY ENGLISH SOLUTION BOOK HAVE HP 00041-90086 LENDING, SAVING & LEASING ENGLISH SOLUTION BOOK HAVE HP 00041-90088 ELECTRICAL ENGINEERING ENGLISH SOLUTION BOOK HAVE HP 00041-90089 CIVIL ENGINEERING ENGLISH SOLUTION BOOK HAVE HP 00041-90090 MECHANICAL ENGINEERING ENGLISH SOLUTION BOOK HAVE HP 00041-90092 CONTROL SYSTEMS ENGLISH SOLUTION BOOK HAVE HP 00041-90093 ANTENNAS ENGLISH SOLUTION BOOK HAVE HP 00041-90094 BUSINESS STATISTICS/ MARKETING/SALES ENGLISH SOLUTION BOOK HP 00041-90096 HOME CONSTRUCTION ESTIMATING ENGLISH SOLUTION BOOK HAVE HP 00041-90099 GAMES ENGLISH SOLUTION BOOK HAVE HP 00041-90100 CHEMICAL ENGINEERING ENGLISH SOLUTION BOOK HAVE HP 00041-90102 CHEMISTRY ENGLISH SOLUTION BOOK HAVE HP 00041-90119 HP-41C REAL ESTATE PAC

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00041-90494 HP-41CX BENUTZERHANDBUCH BAND II FRENCH ACCESSORY HP 00041-90495 HP-41CX OWNER'S MANUAL VOLUME II ITALIAN ACCESSORY HP 00041-90514 HP-41CX SUPPLEMENT SPANISH ACCESSORY HP 00041-90515 HP-41CX SUPPLEMENT SWEDISH ACCESSORY HP 00041-90516 HP-41CX SUPPLEMENT DUTCH ACCESSORY HP 00041-90523 HP-41CX ADDITIONAL FUNCTION GUIDE SUPPLEMENT JAPANESE ACCESSORY HP 00041-90524 HP-41C PROGRAMMING HANDBOOK JAPANESE ACCESSORY HP 00041-90526 HP-41CV OWNER'S MANUAL, BASIC OPERATIONS ENGLISH ACCESSORY HP 00041-90527 HP-41CV OWNER'S MANUAL, BASIC OPERATIONS GERMAN ACCESSORY HP 00041-90528 HP-41CV OWNER'S MANUAL, BASIC OPERATIONS FRENCH ACCESSORY HP 00041-90529 HP-41CV OWNER'S MANUAL, BASIC OPERATIONS ITALIAN ACCESSORY HP 00041-90530 HP-41CV OWNER'S MANUAL, BASIC OPERATIONS SPANISH ACCESSORY HP 00041-90531 HP-41CV OPERATIONS IN DETAIL ENGLISH ACCESSORY HP 00041-90533 HP-41CV OPERATIONS IN DETAIL FRENCH ACCESSORY HP 00041-90535 HP-41CV OPERATIONS IN DETAIL SPANISH ACCESSORY HP 00041-90536 HP-41CV QUICK REFERENCE GUIDE ENGLISH ACCESSORY HP 00041-90537 HP-41CV QUICK REFERENCE GUIDE GERMAN ACCESSORY HP 00041-90538 HP-41CV QUICK REFERENCE GUIDE FRENCH ACCESSORY HP 00041-90539 HP-41CV QUICK REFERENCE GUIDE ITALIAN ACCESSORY HP 00041-90540 HP-41CV QUICK REFERENCE GUIDE SPANISH ACCESSORY HAVE HP 00041-90546 HP-41 ADVANTAGE ADVANCED SOLUTIONS PAC (MANUAL) ENGLISH HAVE HP 00041-90562 HP-41 ADVANTAGE PAC (MANUAL) GERMAN HAVE HP 00041-90567 ABOUT THIS PAC AND ITS MANUALS (insert to ADVANTAGE PAC) ENGLISH HAVE HP 00071-90066 HP-71 USER'S LIBRARY SOLUTION UTILITIES ENGLISH HAVE HP 00097-90011 HP-97 STANARD PAC (MANUAL) HAVE HP 00097-90021 HP-67/HP-97 STAT PAC I (manual) ENGLISH HAVE HP 00097-90057 HP-67/HP-97 E.E. PAC 1 (manual) ENGLISH HAVE HP 00097-90206 HP-67/HP-97 USERS' LIBRARY SOLUTION HOME MANAGEMENT ENGLISH HAVE (copy) HP 02225-90032 THINKJRT PRINTER MULTILINGUAL HAVE HP 03468-90003 OPERATORS MANUAL 3468A MULTIMETER ENGLISH HAVE HP 03468-90006 SERVICE MANUAL DIGITAL MULTIMETER 3468A/B ENGLISH HAVE (copy) HP 09114-90000 HP 9114A DISC DRIVE OPERTOR'S MANUAL ENGLISH HP 2225B THINKJET PRINTER ENGLISH HAVE HP 5953-6902 3468A MULTIMETER, USING THE 3468A, PRODUCT NOTE 3468A-1 ENGLISH HP 82104-90001 CARD READER OWNER'S HANDBOOK ENGLISH ACCESSORY HAVE HP 82104-90003 HP 82104A MAGNETKARTENLESER BEDIENUNGSHANDBUCH GERMAN ACCESSORY HP 82104-90004 CARD READER OWNER'S HANDBOOK FRENCH ACCESSORY HP 82104-90005 CARD READER OWNER'S HANDBOOK ITALIAN ACCESSORY HP 82104-90006 CARD READER OWNER'S HANDBOOK DUTCH ACCESSORY HP 82104-90007 CARD READER OWNER'S HANDBOOK SWEDISH ACCESSORY HP 82104-90008 CARD READER OWNER'S HANDBOOK SPANISH ACCESSORY HP 82104-90009 CARD READER OWNER'S HANDBOOK JAPANESE ACCESSORY HP 82143-90001 PRINTER/PLOTTER OWNER'S HANDBOOK ENGLISH ACCESSORY HP 82143-90002 PRINTER/PLOTTER OWNER'S HANDBOOK GERMAN

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82180-90005 EXTENDED FUNCTIONS/MEMORY MODULE OWNER'S HANDBOOK ITALIAN ACCESSORY HP 82180-90009 EXTENDED FUNCTIONS/MEMORY MODULE OWNER'S HANDBOOK SPANISH ACCESSORY HP 82180-90012 EXTENDED FUNCTIONS/MEMORY MODULE OWNER'S HANDBOOK JAPANESE ACCESSORY HP 82180-90013 EXTENDED FUNCTIONS/MEMORY MODULE OWNER'S HANDBOOK DUTCH ACCESSORY HP 82180-90015 EXTENDED FUNCTIONS/MEMORY MODULE OWNER'S HANDBOOK SWEDISH ACCESSORY HAVE HP 82181-90001 HP 82181A EXTENDED MEMORY MODULE MULTILINGUAL INSTRUCTIONS MULTILINGUAL HP 82182-90001 TIME MODULE OWNER'S HANDBOOK ENGLISH ACCESSORY HP 82182-90001 TIME MODULE OWNER'S HANDBOOK FRENCH ACCESSORY HP 82182-90001 TIME MODULE OWNER'S HANDBOOK ITALIAN ACCESSORY HP 82182-90001 TIME MODULE OWNER'S HANDBOOK SPANISH ACCESSORY HP 82182-90001 TIME MODULE OWNER'S HANDBOOK JAPANESE ACCESSORY HP 82182-90001 TIME MODULE OWNER'S HANDBOOK DUTCH ACCESSORY HP 82182-90001 TIME MODULE OWNER'S HANDBOOK SWEDISH ACCESSORY HAVE HP 82182-90003 HP 82182A TIME MODUL BENUTZERHANDBUCH GERMAN ACCESSORY HP 82183-90001 HP-41EXTENDED I/O MODULE OWNER'S HANDBOOK ENGLISH ACCESSORY HAVE HP 82184-90001 PLOTTER MODULE OWNER'S HANDBOOK ENGLISH ACCESSORY HAVE HP 82440-90001 HP 82440A DEVELOPMENT UTILITY OWNER'S MANUAL FOR THE HP-71 ENGLISH HAVE HP 82490-90001 HP-41 TRANSLATOR PAC OWNER'S MANUAL ENGLISH HP 82938A HP-IL/SERIES 80 INTERFACE ENGLISH HP 9114B DISC DRIVE ENGLISH HP 92198A HP-IL/80-COLUMN VIDEO NTERFACE - U.S. ENGLISH HP 92234T AN EASY COURSE IN PROGRAMMING THE HP-41 ENGLISH SOLUTION BOOK HP 92235R STATICS FOR STUDENTS ENGLISH SOLUTION BOOK HP 92235S ELECTRICAL CIRCUITS FOR STUDENTS ENGLISH SOLUTION BOOK

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AC Adapter

*Message #1 Posted by **Simon Kelly** on 4 Dec 2000, 3:41 p.m.*

I have a HP-41CX and find the batteries run flat often. Was an AC adapter for this model produced? I would be interested in purchasing this.

Re: AC Adapter

*Message #2 Posted by **Steve (Australia)** on 4 Dec 2000, 5:53 p.m.,*
in response to message #1 by Simon Kelly

Yes, and No.

There is no AC adapter as such, but if you get an HP 82120A nicad pack (and you'll almost certainly need to rebuild it) you can charge this in situ with the appropriate charger for your country.

Assuming you're Australian (hahaha) the charger is the HP 82068B.

On the rather small chance that you're from the USA (apparantly there are some people here from there) then you'd be after an HP 82058D.

The charger is the same unit that goes with the HP97, The HP41 printers, HPIL disk drive, HP110, HPIL tape drive...

Getting hold of a charger should not be a problem :-)

Actually calling it a charger is a misnomer though. The charging circuitry is built into the battery pack (and if you do rebuild it - there is a mod that will prevent certain charger models from frying your calculator!!!!).

Good Luck.

Re: AC Adapter

*Message #3 Posted by **Reinhard Hawel** on 4 Dec 2000, 8:09 p.m.,*

in response to message #2 by Steve (Australia)

Because I've found out, that the large majority of people in this forum are coming from Middle-Europe (there seem to be some Australians and U.S. citizens too...:-)) I post the 220V AC adapter number for middle Europe.

It's 82066B .

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Can you copy a card on a 41?
*Message #1 Posted by **Gil Petri (Brasil)** on 3 Dec 2000, 9:30 p.m.*

I have a program card recorded on a HP-97 and I wanted to make a copy (it's the diagnostics program for the HP-97) but I am afraid to damage this only card. Can I use a HP-41 card reader to copy this HP-97 card? Is there a "diskcopy" program for the HP-41X?

Thanks, Gil Petri.

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HP 41 82059 AC Adapter Question

*Message #1 Posted by **Ion Abraham (New Mexico)** on 3 Dec 2000, 11:04 a.m.*

Hello,

I have seen several different letter versions of the AC chargers for HP 41's, that is, I've seen 82059B and also 82059D. I don't remember if I've seen C's. Are there any significant differences between these versions?

Best regards,

Ion Abraham Albuquerque, New Mexico

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Rechargeable (NI-CAD) "N" Cells spotted
*Message #1 Posted by **Frank Knight** on 3 Dec 2000, 10:45 a.m.*

Available Radio Shack under the Radio Shack brand, first time I have seen.

Re: Rechargeable (NI-CAD) - What about cells for HP-97?
*Message #2 Posted by **Gil Petri (Brasil)** on 3 Dec 2000, 9:50 p.m.,*
in response to message #1 by Frank Knight

What about the cells for an HP-97? They look awfully like regular size C, don't they?

Does anybody know how to rebuild these? Can I replace these cells?

Thanks, Gil Petri.

Re: Rechargeable (NI-CAD) - What about cells for HP-97?
*Message #3 Posted by **Mike Sebastian (USA)** on 3 Dec 2000, 11:53 p.m.,*
in response to message #2 by Gil Petri (Brasil)

The HP-97 battery pack uses four "sub-C" batteries. Radio Shack sells them with solder tabs.

Re: Rechargeable (NI-CAD) - What about cells for HP-97?
*Message #4 Posted by **Gil Petri (Brasil)** on 4 Dec 2000, 3:44 p.m.,*
in response to message #3 by Mike Sebastian (USA)

What is the "mAh"? Does it make a difference or it's just how much the battery will last? Will the HP-97 use 1500mAh or what?

Thanks in advance, Gil Petri.

Re: Rechargeable (NI-CAD) - What about cells for HP-97?
*Message #5 Posted by **Steve (Australia)** on 4 Dec 2000, 5:44 p.m.,*
in response to message #4 by Gil Petri (Brasil)

mAH is the capacity of the cell. A cell rated at (say) 75 mAH can supply 75mA for one hour.

Well, actually it's not that simple. the mAH rating is generally based on a 4 hour sidcharge (from memory) do this cell could give you 18.75mA for 4 hours. At 75mA it would actually give you slightly less than 1 hour service.

You'll also find rates specified as 1C 0.5C, 10C, etc. These relate to a current of that multiple of the capacity of the cell. So 1C would be 75mA, 0.5C is 37.5mA, and 10C is 750mA (for the example above). The C notation is very commonly used for describing charging rates, and for describing the characteristics of a family of cells.

AA cels were typically 400 to 450 mAH in the days that the HP41 was born. These days I can go out and get 1100mAH AA nicads.

The same is true (but to a lesser extent) with the sub C size. I can't remember the figures off hand, but 2300maH (2.3AH) seems to ring a bell. The newer, higher capacity cells will give you longer running time from a single charge, but a charge will take proportionally longer.

The best indication of a full charge is a rapid rise in temperature. I once posted the temperature of a full HP97 pack as I charged it. The rapid rise in temperature indicated to me that a 24 hour charge was WAY too long.

It's also important to note that higher capacity NiCads are more sensitive to overcharging.

If you look carefully into nucads, you'll find that they make nicads for rapid charge/ discharge, trickle charge, etc. They vary in capacity since the use characteristics (partially) determine how they need to be constructed and where the tradeoffs in terms of capacity vs. ruggedness need to be made.

Re: Rechargeable (NI-CAD) - What about cells for HP-97?
*Message #6 Posted by **Jerry Doctor** on 4 Dec 2000, 12:59 p.m.,*
in response to message #2 by Gil Petri (Brasil)

I had the local Battery Patrol (I believe they have changed to Interstate Battery.) rebuild one last spring. Cost was only $15.

Re: Rechargeable (NI-CAD) "N" Cells spotted
*Message #7 Posted by **Steve (Australia)** on 4 Dec 2000, 8:57 a.m.,*
in response to message #1 by Frank Knight

You'll find that many small appliances (like cordless telephones) use packs made up of several N size batteries. Many used to be nicad, these days they tend to be NiMH.

Look for replacements and tear them apart. :-)

It may be a cheaper alternative.

And yes, for the 97 (and HP 41 printer, cassette drive, disk drive, etc) the correct cell is the SubC.

If Radio Shack AKA Tandy are anything like they are here, I would avoid them like the plague for buying anything. They are twice the price of normal electronics shops, and even they are twice the price you pay if you know where to go!

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HP-41C battery contact fix
*Message #1 Posted by **Erik Wahlin** on 2 Dec 2000, 5:07 p.m.*

I just discovered a relatively easy way of fixing the HP-41C series calculator battery contacts. These are the gold or other gold color metal plated contacts on the battery contact block. Battery corrosion and mechanical wear from the batteries tend to ruin these contacts. You can apply a conductive epoxy to the damaged areas and this seems to work. I don't know yet if this type of epoxy oxidizes in time which would cause it to fail later. The epoxy I used is made by Circuit Works (part # CW2400). It is available through Allied electronics and is not cheap at about $18 for the two tube set (7 grams). The tubes have Chemtronics (www.chemtronics.com) printed on them.(http://www.chemtronics.com/catalog/catalog.cgi?action=list_products&category=7) This product is normally used for circuit board trace repair. Please use at your own risk. Has anyone else out there ever used this type epoxy for battery contact repairs?

Re: HP-41C battery contact fix
*Message #2 Posted by **Katie** on 3 Dec 2000, 1:28 a.m.,*
in response to message #1 by Erik Wahlin

Hi Erik,

Good idea! I've used the same stuff for several difficult to repair electrical contacts (e.g., attaching leads to solar cells and fixing rear window defroster contacts), but never for a contact that's likely to see some wear and tear. However, the stuff does seem to last for many years and does not break down easily, not even in outdoor applications. I'll bet that it holds up fine.

-Katie

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HP-97, Repairing Printer Rollers
*Message #1 Posted by **Mike** on 2 Dec 2000, 4:46 p.m.*

Anyone have any luck repairing printer rollers that pull the paper through the printer?

I have an HP-97 that appears to have had the printer set unused for a very long time. The pinch rollers, to the front (the light colored ones) have an indentation (i.e. not a round roller) from the other roller that prevents the paper from being pulled through the printer at that point.

Looks like they could be replaced, if one can get the printer apart. Guess I will have to save this till I get some time.

Anyone have any luck repairing these rollers?

Re: HP-97, Repairing Printer Rollers
*Message #2 Posted by **Erik Wahlin** on 2 Dec 2000, 4:54 p.m.,*
in response to message #1 by Mike

Hi, I just fixed a HP-97 with this same problem. I just pulled the part that has the flattened wheels out of a HP-82143a printer I had for parts. You can usually get these reasonably cheap on ebay or the HP museum site. The only other remedy I see is to find a substitute for the rubber/plastic wheels.

Re: Thanks. How difficult to remove...
*Message #3 Posted by **Mike** on 2 Dec 2000, 5:16 p.m.,*
in response to message #2 by Erik Wahlin

How hard was it to remove the part.

I don't seem to see any way without removing the entire print head. Is that true?

Re: Thanks. How difficult to remove...
*Message #4 Posted by **Erik Wahlin** on 2 Dec 2000, 5:34 p.m.,*
in response to message #3 by Mike

Hi Mike, Yes, it is an involved process. You have to first remove the printer assembly from the calculator. Then there are several printer rods and the print head itself that must be removed. If I remember right, you almost have to take it all apart to get to the part with the plastic wheels. If you do it, watch that you don't lose any of the c-clips that retain the various rods!

Re: Thanks. How difficult to remove...
*Message #5 Posted by **Todd Garabedian** on 3 Dec 2000, 7:29 a.m.,*
in response to message #3 by Mike

I purchased a NIB HP-97 about a year ago from eBay. The unit was in prisine condition. The seller told me he had purchased it for an engineer their firm hired in about 1978. The engineer only stayed about 3 months, so they put the calculator in it's box in closet, until I bought it.

This calculator had the same problem -- a flattened portion on the wheels that caused stuttered paper advancement. It was aggrivating to find this problem in such an otherwise perfect calculator. With the help of some friends, we tried a couple of fixes, but nothing worked for long. I eventually replaced the whole print assembly. Now it works fine.

I should note that the print mechanisms in the 82143 printer, while similar, won't fit in the Topcats. I found this out the hard way. You've got to cannibalize one Topcat to save the other.

Todd

Re: Thanks. How difficult to remove...

*Message #6 Posted by **Erik Wahlin** on 3 Dec 2000, 9:11 a.m.,*

in response to message #5 by Todd Garabedian

Yes, it is true that you can't replace the entire printer assembly for a HP-97 from a HP-82143A. I think the HP-82143A printers ran a little faster so the print head thermal resistors were different, as well as the motor drive and some of the advance mechanism (rubber band drive vs. sprocket drive). But some of the parts are interchangeabe like the plastic carrier (Frame), rods, clips, reed switch, and paper advance item in question.

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HP-29C
*Message #1 Posted by **Garrett Fulton** on 1 Dec 2000, 10:57 p.m.*

My old HP-29c that I bought in Saudi Arabia in 1978 had been in the closet for years. I gave it to my 16 yr. old son to use in his physics class and it worked well for quite a while but now the display just blinks zeros all the way across. Batteries are ok and polarity is right. Was wondering if anyone knew of a source to get it fixed or is it just shot? My boy really likes this old calculator and is well into using it. Thanks for any help.

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HP-34C: chip placement
*Message #1 Posted by **David Dawson** on 1 Dec 2000, 5:43 p.m.*

I thought I'd post a new message on this just in case someone has a 34C and would'nt mind looking inside, or has repaired one. I took it apart and (@#$%&^!) mixed up the chips. Thanks to Wayne Brown who answered my last post, I know I have the chips oriented correctly. However I don't know if they are all in the right places The three smaller chips can be swapped, and I'd just like to know which goes where. (you can open up the case without any problems, I pried up stuff to get the chips out.) One other problem I have is the battery pack, but that question is answered already. Thanks. ... Dave

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Mech Engineering HP48GX
*Message #1 Posted by **Louis** on 1 Dec 2000, 5:38 a.m.*

Does anyone have recommendations on a mechanical engineering card for the 48GX? The daVinci combo pack of Mech Eng Reference and Mech Engineering seems like the largest one (256k). There is also the CHOTKEH and 2 or three others on the market.

Any users out there?

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cases for Pioneers
*Message #1 Posted by **Bo Kristoffersen** on 30 Nov 2000, 12:35 p.m.*

I recently bought a 14B and a 32B, both from 1988. Surprisingly (to me), they both have very cheap plastic slip cases, heat welded along the periphery with a fake stitched seam.

My question is: for how long were these cases used before being replaced with the much nicer padded and stitched type used until today. I don't think it was for very long as my 14B Anniversary from 1989 has the second-version case.

Re: cases for Pioneers
*Message #2 Posted by **Paul Brogger** on 1 Dec 2000, 12:04 p.m.,*
in response to message #1 by Bo Kristoffersen

My experience and assumption have been: the cheapest, thinnest vinyl cases were provided with the lowest-end Pioneers, and the thicker, padded, stitched version was provided with the more expensive models.

I don't think I've yet seen one with a "fake stitched seam", however. Maybe there are more types of cases (and more variation in their bundling) than my experience indicates.

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HP48GX command?
*Message #1 Posted by **Tal** on 30 Nov 2000, 3:24 a.m.*

Hi, HP48 users!

I appreciate it if someone could tell me what is the equivalent command for 'VISIT' in the HP48SX at HP48GX?

Best regards,

Tal email: td@chem.ch.huji.ac.il

Re: HP48GX command?
*Message #2 Posted by **Joe Panico** on 30 Nov 2000, 10:21 p.m.,*
in response to message #1 by Tal

Tal, Put the name of the program object, inside tick marks, on level 1 and press the EDIT key. This is the same as visit.

Joe

PS: Our phone line is down so this is from home. Neither rain nor snow shall keep us from our appointed rounds, unless it's the net, which goes for any reason!

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HP-41CX Display Question
*Message #1 Posted by **Mike** on 29 Nov 2000, 10:35 p.m.*

I have only one HP-41CX so I have nothing to compare against. My 41CX has a black mask around the display, starting just outside the useable area. My other 41s have not such mask.

Is that the normal configuration for a 41CX?

Re: HP-41CX Display Question
*Message #2 Posted by **db (martinez, california)** on 29 Nov 2000, 10:58 p.m.,*
in response to message #1 by Mike

your cx is a "half nut".

So, Is a 41CX HalfNut...
*Message #3 Posted by **Mike** on 1 Dec 2000, 9:37 a.m.,*
in response to message #2 by db (martinez, california)

1) Less collectible 2) More collectible 3) Less desireable 4) More desireable 5) None of the above, just different

Re: So, Is a 41CX HalfNut...
*Message #4 Posted by **Wayne Brown (USA)** on 2 Dec 2000, 10:27 a.m.,*
in response to message #3 by Mike

I'm not a collector, just a 41 enthusiast, so I may be talking out of turn. But my guess would be "None of the above, just different." The Halfnut name comes from the fact that the internal product name at HP for the 41 family was Coconut. When the Coconut series was redesigned to use about half the number of chips (fewer components means less manufacturing cost and fewer potential points of failure), they were called Halfnuts. Some users had complained of "bleeding" (dark areas) around the edges of some 41 displays (I've never seen this myself), so a mask was added to cover the edges of the display and hide any minor bleeding. This mask is the easiest way to distinguish a

Halfnut from a "Fullnut" 41.

The CX wasn't the only Halfnut made; there were Halfnut versions of the C and CV as well. By this time the C was no longer being sold in stores, but some Halfnut 41C models were sent out as replacements for older units that had been sent in for repair. I suppose that would make a Halfnut C more collectible than a Halfnut CV or CX, since there were never as many of the C versions released to the public.

Re: So, Is a 41CX HalfNut...
*Message #5 Posted by **Steve (Australia)** on 2 Dec 2000, 8:05 p.m.,*
in response to message #4 by Wayne Brown (USA)

...And there were probably less fullnut CXs made than halfnut, so a fullnut would (maybe) be marginally more collectable.

Now, a halfnut C with all bugs... (fake)

Re: So, Is a 41CX HalfNut...
*Message #6 Posted by **Todd Garabedian** on 3 Dec 2000, 7:36 a.m.,*
in response to message #4 by Wayne Brown (USA)

Wayne,

A good summary of the fullnut/halfnut story!

I would add that the halfnut units are somewhat more durable because they have more advanced electronics. For example, the halfnuts tend to have less logic board problems. I addition, I believe the term "halfnut" was used inside HP for a while because they were thinking about coming out with a simpler version of the 41 (e.g., with "half" the functions).

As far as collectability goes, I've seen halfnut CX and CV units, but never a halfnut C.

I would ask the group: Has anyone seen a halfnut C?

Todd

Re: So, Is a 41CX HalfNut...

*Message #7 Posted by **Steve Australia** on 4 Dec 2000, 9:04 a.m.,*
in response to message #6 by Todd Garabedian

I have not seen one, but the folowing information may be of interest:

The halfnut was released after the C was withdrawn from market. however C's were still being manufactured as service spares. Thus, the only way to get one (oficially) was to have a 41 sent in for repair and have HP replace it.

Yes they exist, no I don't have one, yes I want one :-)

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Cleaning residues from leaking battery
*Message #1 Posted by **George Jew** on 29 Nov 2000, 2:59 a.m.*

I just found my collection of HP calculators and various accessories I had put in storage about 15 years ago. Of course, I did not remove the battery pack and they leaked. What is the best way to clean the contacts, plastic, and PC board without removing any of the original material?

PS: I even found my prototype (clear case) 33C. Wonder what that is worth?

Re: Cleaning residues from leaking battery
*Message #2 Posted by **Jon** on 29 Nov 2000, 1:35 p.m.,*
in response to message #1 by George Jew

I'm not sure if it's the best method, but I've always used a pencil eraser. It seems to work just fine.

Re: Cleaning residues from leaking battery
*Message #3 Posted by **Andrés C. Rodríguez (Argentina)** on 29 Nov 2000, 4:08 p.m.,*
in response to message #2 by Jon

Avoid eraser debries going in, otherwise it is fine.

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Is it possible to fix HP19bII keyboard?
*Message #1 Posted by **Gil Petri (Brasil)** on 28 Nov 2000, 11:12 p.m.*

I got this HP-19BII with 1 defective row of keys. It's on the left side, I can still use the very basic stuff, but I was wondering... does anyone know a way to fix it? HP charges about US$130.00 for a replacement here (what a joke)!

Re: Is it possible to fix HP19bII keyboard?
*Message #2 Posted by **Don Williams** on 28 Nov 2000, 11:29 p.m.,*
in response to message #1 by Gil Petri (Brasil)

There may very well be individuals more skilled than I, but my experience was less than satisfying. Even if you can open the case without too much damage to the numerous plastic stakes, the chance of getting them back togeather, and still make reliable contacts are slim. I would like to learn about any successful procedures from others who might have fared better than I.

Re: Is it possible to fix HP19bII keyboard?
*Message #3 Posted by **Iqbal** on 29 Nov 2000, 3:31 a.m.,*
in response to message #2 by Don Williams

I had a problem with one key on a 42S and I used a compressor to blow out the buttons. That was a while now. It's still working fine up to now.

Re: Is it possible to fix HP19bII keyboard?
*Message #4 Posted by **Gil Petri (Brasil)** on 30 Nov 2000, 12:15 a.m.,*
in response to message #3 by Iqbal

Now, that's an idea... I am afraid it's not just dirt there 'cause the whole column doesn't work but it's worth a try.

Thanks, Gil petri.

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information about hp49g
*Message #1 Posted by **hugo** on 28 Nov 2000, 10:42 p.m.*

where can i get an computer text editor to send text from my computer to my hp49g. thanks

Re: information about hp49g
*Message #2 Posted by **Antonio Delmonico** on 29 Nov 2000, 1:22 a.m.,*
in response to message #1 by hugo

HP Comm 3.0r4 does a decent job of file transfers but I have yet to figure out how to start a new text or program file as this option apparently isn't easily done. You can start a new folder but not a new file. Documentation for the program is nonexistent, and the Help menu is a joke.

On the other hand, TI's GraphLink is so easy to use it's like falling off a log. I'm not much of a programmer yet I've been able to write several small programs easily, check them out on an emulator, then use them on my TI89. I'm been using my TI89 a lot more than I have my slow, buggy HP49. I really consider the money I spent on my HP49 a waste of money.

Re: information about hp49g
*Message #3 Posted by **Juan-J** on 29 Nov 2000, 5:53 p.m.,*
in response to message #2 by Antonio Delmonico

The 49G looks like one more of those Japanese calculators, and to me it was just as buggy.

So I was not the only one that was disappointed by this machine. I even declined buying it. Now I see it was a smart decision.

Re: information about hp49g
*Message #4 Posted by **Thomas Burkart** on 30 Nov 2000, 11:07 a.m.,*
in response to message #2 by Antonio Delmonico

I was used to HP calculators cause their power and advance RPN technology. Since my old HP 28 C lost me I decided to buy the new high end model from HP the HP 49G. In the first days I was also a little bit irritated by the design but further the calculator has a lot of functions and could be easy programmed as all other HP calculators. Up to now I am only looking forward about the next model Xpander. Does anybody knows when this modell will hit the stores?

Re: information about hp49g
*Message #5 Posted by **antonio_delmonico** on 2 Dec 2000, 2:32 p.m.,*
in response to message #4 by Thomas Burkart

Xpander has been indefinitely "postponed," translated: dead. This is most probably due to very poor sales of the HP49, so HP brass won't put any money into new products.

Re: information about hp49g
*Message #6 Posted by **Frank** on 4 Dec 2000, 7:51 a.m.,*
in response to message #5 by antonio_delmonico

HP "brass" should consider a marketing analysis of both satisfaction of it's existing products (lesson's learned) and marketplace segmented needs, with appropriate testing and user involvement. Result would likely be fewer but much better SKU's.

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12C Manual
*Message #1 Posted by **Kurt** on 28 Nov 2000, 9:10 p.m.*

HElp need 12C Manual today on line

Re: 12C Manual
*Message #2 Posted by **Jim L** on 28 Nov 2000, 11:12 p.m.,*
in response to message #1 by Kurt

I don't know of an online manual but you can get one from HP at: 800-227-8164. The part number for the English version is 00012-90001.

I don't know about "today" but maybe tomorrow if they Fed Ex it.

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HP 28
*Message #1 Posted by **Juan J** on 28 Nov 2000, 6:58 p.m.*

I just bought an HP-28S. A scaled-down 48 in many respects, I think. But I'm starting to like this puppy.

I installed time and compression software, which works well. I also got curve fitting software. Does anyone have a polynomial evaluation/root finding program? I just don't have enough time to write the stuff.

On the other hand, is it possible to assign functions to keys? The manual says nothing about it, and I'm just curious.

Re: HP 28
*Message #2 Posted by **Andrés C. Rodríguez (Argentina)** on 29 Nov 2000, 7:15 a.m.,*
in response to message #1 by Juan J

I am not very familiar with the HP 28, but the built in Solver should be enough for most "root finding" situations. And you have also a Plot function that will help to graphically find the roots or estimates.

As for polynomial evaluation, simple programming may do; and you even have some symbolic math capabilities built in your HP28 !

Re: HP 28
*Message #3 Posted by **Juan-J** on 30 Nov 2000, 1:31 p.m.,*
in response to message #2 by Andrés C. Rodríguez (Argentina)

First of all, thanks, Andres. I became too accustomed to the HP-41 Math Pac Polynomial Evaluation software and the corresponding solver on the 48GX that I always like to have one installed on the machines I use. In the end I modified a 48SX program, and that made it.

Since there has been nothing about assigning keys, I assume that cannot be done.

Re: HP 28
*Message #4 Posted by **Andrés C. Rodríguez (Argentina)** on 30 Nov 2000, 1:48 p.m.,*
in response to message #3 by Juan-J

As I said, I am not much familiar with the HP 28, I assume it should be possible to assign program labels or functions to the top row of keys ("softkeys") under the display, in a similar way as the CUSTOM menu of the HP 42S, which I do know well. So my answer is a flat Don't Know; it is not a Yes nor a No. You may check the functionality tables of each model here at the Museum.

Re: HP 28
*Message #5 Posted by **Erwin** on 1 Dec 2000, 3:47 a.m.,*
in response to message #3 by Juan-J

Hello Juan,

Except for the user and custum menu's there is no way of assigning key's. There is no user keyboard like you have on the 41C or 48

Lots of pleasure with your 28S,

Re: HP 28
*Message #6 Posted by **Juan-J** on 1 Dec 2000, 7:40 p.m.,*
in response to message #5 by Erwin

Erwin:

Thanks. As I wrote, I'm starting to like this puppy. Some people even take it for a 19, and it's funny to see their faces when they see a slightly different keyboard layout and a red shift key.

On another subject, thankfully, I got time software. As a former 41CX/48 user, I feel kinda "incomplete" without a watch. Which has to do with lab assignments back when I was in the university. I even wonder sometimes why HP did not include a stopwatch in their Saturn-powered calculators.

Re: HP 28
*Message #7 Posted by **Dan** on 7 Dec 2000, 11:13 a.m.,*
in response to message #1 by Juan J

In your last post, you state that you were a 'former' 48 user. Why would you use an HP 28 over an HP 48xx series calculator? I have a 28S and am getting a 48GX from Santa. :) Just curious.

Re: HP 28
*Message #8 Posted by **Ron Ross** on 7 Dec 2000, 9:40 p.m.,*
in response to message #7 by Dan

I have both and I prefer the 48 over the 28 but that is my opinion. I like the ability to download software vs. keying in programs also.

Re: HP 28
*Message #9 Posted by **Juan J** on 11 Dec 2000, 11:38 p.m.,*
in response to message #7 by Dan

Hello.

What I meant with "former" was that both the 41CX and the 48GX were the calculators I had used and known most before becoming a collector.

A while ago I got a 48SX and a 32S, started a little collection. Turns out that some functions in both 48 models were "provided for compatibility with the HP 28", so I became interested

in what I call the 48 series technology demonstrator, the HP 28.

I finally bought one a month ago, and I am learning about it. My interest in this puppy is from a collector's standpoint, which does not mean I don't use it for serious number crunching every now and then (although I prefer the 41CX for that.)

If you are going to get a 48GX for Christmas, just do it. It is a fine machine with a lot of power and, from what I've seen of the 49, that well known HP feel. I bought mine a year before I graduated and have done a lot with it, including field use and some torture testing. Plug-in cards, PC-downloadable software and IR are just some of the good features of this machine; built-in functions and programming are excellent too.

If only HP could keep on making such good stuff...

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RPN stack and HP-32sii
*Message #1 Posted by **Jonathan Hanna** on 27 Nov 2000, 10:40 p.m.*

I have high interest in purchasing an RPN calculator and I'm leaning towards the HP-32sii. The only thing that concerns me about it is the RPN stack. I had a really quick look at one and got the impression it has a basic x,y,z,t stack. Am I right? I'm fairly new to RPN and I just want to know if it's sufficent for university physics and engineering courses. Should I be concerned?

Have no fear
*Message #2 Posted by **Jim L** on 28 Nov 2000, 12:03 a.m.,*
in response to message #1 by Jonathan Hanna

I got through engineering school plus 20 years working (so far) with a four level stack. I also own a 48G but I prefer the four level stack machines. I like using t as a constant and I don't like finding an unlimited amount of numbers whose meaning I can't remember sitting on my unlimited 48G stack.

4 level stack is perfect
*Message #3 Posted by **Jan** on 28 Nov 2000, 12:39 p.m.,*
in response to message #1 by Jonathan Hanna

Go for one as long as they are available. You never will be limited by the stack. I got my first HP35 in 1973 and it was perfectly sufficient up to my PhD. Jim is right - 4 is the limit of practical use

Re: RPN stack and HP-32sii
*Message #4 Posted by **Steve** on 29 Nov 2000, 12:20 a.m.,*
in response to message #1 by Jonathan Hanna

I've grown very fond of my 28S which is an infinite stack. Also, I often using the column-norm of a 1 row array (28S does handle matrices just as readily as any other data type -- sweet!) simply to generate a sum while still keeping multiple values conveniently stored together.

BUT ...

I still remember my days with a 15C and 41CV, and the sheer simplicity of RPN (just try to enter a 5-parenthesis-deep 90 character equation on an AOS calculator!) hooked me immediately. I collect very multipurpose tools (some say I go overboard at times) but still sometimes wonder if a good 15C (perfectly pocket-sized) might be better then the matrix-crunching fragile book format of the 28.

Most really portable and practical calcs are limited to a 4-stack. Don't buy more than you need. Get used to RPN in a usable format, and try out somebody's higher-priced infinite-stack toy at your convenience. Even if you buy the bigger toy later, the portable and pocket-sized 32 will always have some use when you want a smaller, more portable tool.

RPN stack and HP-32sii, some more "options"
*Message #5 Posted by **Andrés C. Rodríguez (Argentina)** on 29 Nov 2000, 7:40 a.m.,*
in response to message #1 by Jonathan Hanna

A 32 S II is a very nice option for you.

If the HP 41 or HP42S were still in production, they may have been better options for you, as more powerful models; alas they are long gone (except for the used and collector market...)

It is almost sure that you will LOVE 4-level stack RPN once used to it (as I and many others here do). Now, there may be an issue of future "pain" since 4-level stack RPN machines are regrettably headed for extintion. From this bizarre point of view, you may:

a) Avoid 4-level stack RPN, so not to miss in the future what you have not had yet. (Pessimistic view)

b) Hope HP will reintroduce 4-level stack machines in some future, at least as a user selectable mode of operation (Irreal view)

c) Embrace the 4-level stack cause, and keep posting about it (Romantic view)

d) Buy an HP 32 S II, learn and profit from it. Future will say, and as per the famous Keynes quote, "In the long term, we all will be dead" (Practical view)

e) Buy some used, mint condition, HP 42S; and never sleep again, because of fear to wear out or lose such a marvel (Collector view)

f) Buy a HP 48 and use an HP 41 emulator in top of it (Virtual view)

g) Buy two or more HP 32 S II now, so to have a backup if your main machine fails (Reassuring view)

h) Buy a HP 39/40, or similar current model, and lose forever the joy of 4-level stack RPN (HP view)

i) Buy another brand calculator ("I-can't-believe-I-am-writing-this" view)

Sorry if this is too much flaming, specially to welcome a new friend to this forum.

Re: RPN stack and HP-32sii, some more "options"
*Message #6 Posted by **Randy Smith** on 29 Nov 2000, 9:54 a.m.,*
in response to message #5 by Andrés C. Rodríguez (Argentina)

Hey Andres, Your post gave me a chuckle! Randy

Re: RPN stack and HP-32sii
*Message #7 Posted by **bill smith** on 29 Nov 2000, 12:30 p.m.,*
in response to message #5 by Andrés C. Rodríguez (Argentina)

thanks Andres for an entertaining choice summary. but RE: a), isn't it better to have loved and lost, than never loved at all? OK, it's only a calculator.

for point of comparison, i am concluding a trade by buying a HP 32sii for a former coworker, as a trade for his HP 41cx. when i originally expressed interest in the 41cx, he said he had never used it except as a RPN/scientific (no programing or expansion). after loaning him one of our lab 32sii calcs to review, he readily agreed to the deal.

my own experience indicates true pocket size is important, as my 15C is my most used calculator. the 41cx will join my 41 oriented collection of stuff--i actually still use a couple programs never ported or duplicated to another platform.

Re: RPN stack and HP-32sii

*Message #8 Posted by **Andrés C. Rodríguez (Argentina)** on 29 Nov 2000, 4:04 p.m., in response to message #7 by bill smith*

Randy: I assume "chuckle" means some laughter, I hope that is the case.

Bill: Yes, it may be better to love and lose than have not tried.

I currently have an HP 41C, which I don't regularly use, mainly because of size. I also have an HP 42, which come from HP's replacement service; so it is almost mint. And (truly!) I don't use it because of fear of irreparable loss!

As a hardwired user of 4-level RPN, I found that the 48/49 series are disorienting, so I ruled them off... On a daily basis, I use an HP LX200 which runs a decent phone and appointment book, Lotus 123 on MS-DOS 5.0 (!) and a GREAT 4-level stack RPN calculator application. I had a LX100, which was stolen , so a few months ago I bought an almost new LX200 from a friend.

As a matter of fact, I bought a 32 S II two years ago to introduce my first daugther (then 14 years old) to 4-level stack RPN. I feel the 32 S II is somewhat limiting with regard to variables and programming, and personally don't like the equation mode too much. But it is very nice, affordable, handy (size), and has a very good set of preprogrammned functions. My daughter learned 4-level RPN in a breeze, now she doesn't want to use any other calculator... Did I do a good thing to her, assuming these models will soon be extinct?

Would you offer the last dinosaur as a pet to your daughter or son? Will him/her miss it when that last one finally dies?

This year I decide to buy a first scientific calc for my second and last daughter. I was unsure about teaching her to use something that may well be not available soon... I refrained to look for another 32 S II (already difficult to find in my country), and settled for a HP 30 S.

A comment on the 30 S: if the keyboard had a better layout and better feeling, I would recommend it for newcomers. The dual display, showing the just used formula and the answer is not a bad approach (even with parentheses); but I would prefer a better way to reuse the last value than to have to press ANS (for Answer) each time... Oh, it is VERY affordable, even not to miss it if lost!

Re: RPN stack and HP-32sii
*Message #9 Posted by **bill smith** on 29 Nov 2000, 5:06 p.m.,*
in response to message #8 by Andrés C. Rodríguez (Argentina)

i also will endorse the hp200lx as a possible choice for J. Hanna. i have one, which i tend to carry, though more as a laptop. not as handy around the lab as the 15C, but i love the calculator/solver, 123, and DOS ability.

i also have installed emu41, and calc41, and have been able to run legacy programs through them on the 200lx. in fact, it was that purpose which renewed my enthusiasm for the 41C system. i'll probably keep my 41 stuff now; seems ironic since it was my intent to keep the functionality and get rid of the hardware.

Re: RPN stack and HP-32sii
*Message #10 Posted by **Jonathan Hanna** on 29 Nov 2000, 7:35 p.m.,*
in response to message #9 by bill smith

Bill, do you know where I could get some more info on the HP-2001x? I've never heard of it before and I don't see it in this site or on HP's.

HP 200LX info
*Message #11 Posted by **bill smith** on 30 Nov 2000, 10:48 a.m.,*
in response to message #10 by Jonathan Hanna

http://www.palmtop.net/

the HP 200LX is out of production, but actively traded. new units occasionally appear on eBay...prices are high. reconditioned units are sold through the above site, which also has FAQ links, and a great collection of software.

note that the 95LX and 100LX are similar in functionality, and might be a better value, depending on the features you are seeking. for me, a shirt pocket calc (15C), and briefcase unit (200LX) make a perfect tandem. the 41C was a good cross-over, but now is just for fun.

Re: RPN stack and HP-32sii, some more "options"
*Message #12 Posted by **Jonathan Hanna** on 29 Nov 2000, 7:32 p.m.,*
in response to message #5 by Andrés C. Rodríguez (Argentina)

What makes the HP-41c or the HP-42s better than the HP-32sii? Should I look for used models of one of those instead of the HP-32sii? Also, I enjoyed your response too Andres!

Re: RPN stack and HP-32sii, some more "options"
*Message #13 Posted by **Jim L** on 29 Nov 2000, 8:09 p.m.,*
in response to message #12 by Jonathan Hanna

Something you might want to do is to go to the compare features page which is linked off the home page and select the 41c, 42s and 32s to get an idea of the differences.

The 41c is very cool because you can hook it up to a network of devices including tapes, floppies, printers etc. You can also hook up a barcode scanner, a mag card reader and other goodies - but keep in mind that all this stuff is years old so it may take you a lot longer to track it all down than it's worth to you.

The 200lx is also no longer made (I think??) and is a pocket DOS computer with a calculator program on it. It's powerful but I never felt as comfortable with it as a "real" calc. Because it is a computer, it may not be allowed on tests where a calc would be.

The 42S is a great choice as well, but also no longer made and you'll probably have to pay twice the price of the (new) 32SII to get it (used). I feel more comfortable programming my 42 than my 32, but that's probably because the 42 is more like my 41. The 32 is a great manual use calculator, but I've never made the transition to programming it. That doesn't mean there's anything wrong with it, it's just different and I've been too lazy when I have 41/42s around. Maybe someone else can get more detailed on 42 advantages if you're willing to search and pay for one. Do you think you might be?

Re: RPN stack and HP-32sii, some more "options"
*Message #14 Posted by **Ron Ross** on 29 Nov 2000, 8:27 p.m.,*
in response to message #13 by Jim L

I have to agree with Jim L (Lawson?, if so, not many can argue on even footing with). The 42s is the best pocket calc ever made, period. Someone is selling on this site for $150 and if I only had one, I would pay this price. However, I have two and protect both at home also. The Hp32s is still readily available, decent to use and not nearly so expensive. However if number crunching is needed the 42s has so much greater capability and memory that it is hard to compare the two other than RPN and scientific functions. Buy the 32 now and a 42 if needed or as soon as an opportunity presents itself. I have a couple of 48's and use like desktop machines (all functions and conversions needed, but bulky to take to field, but are so cheap that I do anyway)

Re: RPN stack and HP-32sii, some more "options"
*Message #15 Posted by **Paul Brogger** on 30 Nov 2000, 7:37 p.m.,*
in response to message #12 by Jonathan Hanna

The 42S has about 4Kb of memory, a two-line, dot-matrix display, a piezo-electric beeper, an infrared output capability, and many more commands/functions. The 32S has 390 bytes of memory, a single-line alpahanumeric display, and fewer commands/ functions. Both have identical overall size, weight, and # of keys. (The 42S keyboard is the simplest, the older 32S keyboard next, and the double-shifted 32SII keyboard is the most complex.)

I like the readability of the big characters on the 32S display, and the nifty variable-name interface. (The 26 variables/registers are named A-Z, and are very easy to access.) The two-line display of the 42S can be harder to read, but it's nice having two lines, too.

The reality for me is that I'm a computer programmer, and I don't spend any time programming my calculators, so I find the 32S a far more practical unit for day-to-day use. (I do prefer the 32S to the newer 32SII, but that's just the simplicity of the keyboard -- they're essentially the same, otherwise.)

Re: RPN stack and HP-32sii, some more "options"
*Message #16 Posted by **Paul Brogger** on 30 Nov 2000, 7:50 p.m.,*
in response to message #5 by Andrés C. Rodríguez (Argentina)

Andres:

To your very entertaining post I would add:

j) Get the calculator you want, buy spare parts in the form of any other Pioneers you can find, and don't be afraid to take 'em apart to fix one. (Mr. Fix-it view)

Re: RPN stack and HP-32sii, some more "options"
*Message #17 Posted by **Andrés C. Rodríguez (Argentina)** on 1 Dec 2000, 6:23 a.m.,*
in response to message #16 by Paul Brogger

Paul: I agree with your Mr. Fix approach. I had tried to open my first HP 42 to clean up the display (I think some of the LCD polarizer shifted, when my calc was dropped to the floor, and left a very rare dark zone on the display; it doesn´t seem like dust). I was unable to do a good job and finally swapped it at the HP exchange service then available. Now (really) I am overprotecting my current 42S! I liked your articles on repairing Pioneers, but read them late. I may still buy a 20S just for disassembly, but have little time to invest... BTW, the HP42 has 8 KBy memory. Andrés

Re: RPN stack and HP-32sii
*Message #18 Posted by **Tom Lianza (NH USA)** on 9 Dec 2000, 1:10 p.m.,*
in response to message #1 by Jonathan Hanna

I own nearly every HP RPN calculator made. I bought my first one in '71-72. In my opinion, the HP32sII represents the best balance in a pocket sized, non graphing scientific. I own 4 32s. I have one to carry and one at work and in the home office (the forth is in an unopened box). It is easy to progam, has great conversions, and has all the math functions that I have ever needed. I can't use the 49 on a day to day basis, although it is a fine machine. It's just hell to program. The 39g was a real disappointment. It really emphasizes learning activities rather than actual programming capablities. The 48gx is superior (in my opinion) to the 49g primarily due to documentation , features and available programs.

If you don't need the graphing capablilites get the 32. If you need a graphic machine, I'd get a 48gx.

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HP 17B, 27S Precedence (order of operations)

*Message #1 Posted by **mktoy (US)** on 27 Nov 2000, 11:54 a.m.*

(Note to Dave: I come to this website EVERYDAY because of it's highly-detailed content on my prized HP's. This post is not meant to be nitpicky or petty. It is mearly an observance I stumbled across during my own calculator comparison. Keep up the GOOD work; we appreciate it! Matt)

There may be a discrepancy in the MoHPC descriptions of the 17B and 27S Precedence operations. The following two sentences can be found in both of the 17B and 27S calculator descriptions:

"The calculator used a rather nice form of algebraic logic in which pending operations were left in the display. For example if the user pressed 1+2*3, the calculator would show that expression in display."

Using my own calculators, I find the description only applies to the 27S. The 27S follows arithmetic precedence as described. Upon pressing the "*" (multiply) key on the 17B, "1+2" is evaluated to 3. In other words, the 17B doesn't recognize arithmetic precedence. In Alegbraic mode, my 17BII works just like the 17B.

Just to make sure I wasn't me making a (another) mistake, like a some kind of flag setting (there are no "flags" on these calculators :-), I checked the owner's manuals of all three calculators, concerning Priority of Operators, Precedence, Arithmetic Priority, etc.. Only the 27S manual (page 44) specifically says "The 27S uses a system of operator priority to evaluate expressions", then goes on to list the highest to lowest priority (y^x, then X and /, then + and -). I cannot find a similar sentence in either of the 17B/17BII manuals.

However, both the 17B and 17BII, do use precedence in their Solver applications. On page 142 (both manuals), the following footnote can be found "Because the Solver uses arithmetic priority (x, / before +, -), a second set of parentheses... is not necessary.".

Is the 27S the only Pioneer that observes "order of operators" precedence? Am I doing something wrong? Inquiring minds want to know ;-)

Thanks again for this website, Matt

Re: HP 17B, 27S Precedence (order of operations)
*Message #2 Posted by **Ron Ross** on 27 Nov 2000, 1:11 p.m.,*
in response to message #1 by mktoy (US)

You are correct in your observation of the 17 vs. the 27. Precidence is also lacking on the 19 (the closest thing on the market to a 27) also. However HP also produced the 20, 21, and 22s models that were algerbraic and had precidence. The 22 was also a dot matrix display but with one line only. It is my opinion that the 27s was Hp's 2nd best calc ever made. The first? An HP42 of course.

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Easiest Test for CV vs C
*Message #1 Posted by **Mike** on 25 Nov 2000, 3:10 p.m.*

Aside from any external markings, what is the simplest test that can positively determine an HP-41CV from an HP-41C?

Re: Easiest Test for CV vs C
*Message #2 Posted by **Dave Hicks** on 25 Nov 2000, 5:38 p.m.,*
in response to message #1 by Mike

If there are no memory modules installed and you are able to execute SIZE nnn with nnn in the range from 065 to 319, without getting TRY AGAIN, then it's not a C.

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HP17B
*Message #1 Posted by **Jenny** on 25 Nov 2000, 5:00 a.m.*

Hi,

I am Jenny from Indonesia. How can I get the manual instruction for HP17B? I try to search in HP website, but I can't find HP17B anymore. It is also not available on the museum CD ROM set. I really appreciate if anyone can help me. Thank you.

Re: HP17B
*Message #2 Posted by **kynes** on 25 Nov 2000, 5:18 a.m.,*
in response to message #1 by Jenny

Hallo Jenny, you can use the manual for the HP-17BII, it's almost the same calculator. The 17BII has got the additional RPN-entry mode, but the other functions are in accordance with the 17B. And - the 17BII is still available by HP, and also the manual.

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retreads
*Message #1 Posted by **db (martinez, california)** on 25 Nov 2000, 2:16 a.m.*

i found a good substitute for the hp factory feet on a 41. thoes $1.98 tire repair kits at your local auto parts store have peel and stick rubber that is too thick for racing bike tires but not too much too thin for a 41. now if i could just find a foot for my 22....

Re: retreads
*Message #2 Posted by **Frank** on 28 Nov 2000, 7:08 a.m.,*
in response to message #1 by db (martinez, california)

For the 22 (Woodstock), find an block eraser about the same color, trim to the size of one of the remaining feet or to fit.

Re: retreads
*Message #3 Posted by **db (martinez, california)** on 28 Nov 2000, 10:01 p.m.,*
in response to message #2 by Frank

well of course. solutions like this make me feel like homer simpson. doh! and i'll always have an eraser handy.

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HP27S HELP!!!
*Message #1 Posted by **Timmer** on 25 Nov 2000, 1:33 a.m.*

I've got two (yes 2) HP27s. The first I've had since college (1987), the "5" key only works some of the time, but I've gotten used to it. I purchased another 27S about a year ago on Ebay, and it was in great shape and worked like it was new. The other week, I went to turn it on, and it wouldn't power up. I put new batteries in it, and it still wouldn't come up. I was looking on the web tonight, and found a combination of keys, when pressed, resets the machine. I did this, and it powered up, but what I found through this is the CLR (ON/OFF) key is broken. Does anyone know how to open up the 27S to fix a key? Can this be done successfully?

Any info would be greatly appreciated. I've already started my search for another 27S (or I may just have to settle (Very Depressing) for a 17BII). I think we need to start a petition for HP to bring back the 27S.

Tim

Re: HP27S HELP!!!
*Message #2 Posted by **Dave Hicks** on 25 Nov 2000, 1:50 p.m.,*
in response to message #1 by Timmer

I'd suggesting reading Paul Brogger's Pioneer repairs article in the repairs section.

http://www.hpmuseum.org/guest/brogpion.htm

It's not easy but it can be done.

Re: HP27S HELP!!!
*Message #3 Posted by **Jan** on 26 Nov 2000, 4:13 p.m.,*
in response to message #1 by Timmer

Hi Tim:

Petition for a 27-S revival is a great idea; I do not believe they would listen anayway. Look at the HP calculator range 2000 vs 1985 or 1990

Jan

I think if we could get several thousand people to commit
*Message #4 Posted by **Dave Hicks** on 26 Nov 2000, 6:23 p.m.,*
in response to message #3 by Jan

to a preorder, then we might be able to get HP's attention.

I'm not sure what the exact number is but from past experience, I can tell you that 500 isn't nearly enough.

Re: Pre-order
*Message #5 Posted by **Jan** on 27 Nov 2000, 5:47 a.m.,*
in response to message #4 by Dave Hicks

Great - I start with 3 units. Is there anybody who could coordinate?

Jan

I doubt it work work- judging from the HP42S situation
*Message #6 Posted by **Iqbal Mohammed** on 27 Nov 2000, 5:11 p.m.,*
in response to message #5 by Jan

With respect to the HP42S, they are not actually manufactured by HP, but it is given out on contract to another company to build/assemble. The last set was manufactured in June this year. I spoke to the guy at HP who is in charge of placing the orders for the 42S calculators and he says it has reached the End of Line.

I am aware that there are still parts available to build the 42S, but HP is adamant that they would not continue to build the 42S because it has stopped, even though there

are still parts available.

So to be honest I don't believe any quantity of HP27S would sway HP. I think when a calculator has been discontinued it takes a lot of red tape to bring it back into production. The 42S although it was discontined, it was still manufactured in small quantities if only to service 'dead' ones. Also, the 42S was produced on the HP17BII production line. Stopping the line for a few days or even few weeks and making a batch of 42Ss is not a big deal.

But now that it has reached EOL it's history. It's that simple, although hard to accept and understand.

But then anything is worth a try at least once I say.

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Blanknut Question - Hewlett Packard Label
*Message #1 Posted by **Mike Davis** on 24 Nov 2000, 9:08 p.m.*

I have a blanknut that is missing a label on the front. I don't know if there is supposed to be one or not. It is a CV version.

But there is a label, on the back, that says Hewlett Packard that is just exactly the size of the missing label on the front.

This "Hewlett Packard" label on the back is just above the two bottom feet and below the normal label. I wonder if this is supposed to be on the front.

Is there a label on the front of a blanknut that says "Hewlett Packard"

Also, something else I notice. The keyboard layout cheat label on the back has a different orientation than on my other HP41CV. On the blanknut the top of this cheat sheet label it to the right. On my 41CV the top is to the left when you look at the back.

Finally, and maybe worst of all, it looks like the original key background might have been removed and the blank keyboard template was glued down to fake a blanknut. It is obvious that there are tabs that extend into the template holes. There is only one piece of material but should there be tabs protruding into the tab holes on the blank background?

On my HP41CV, the key background is just a piece of material glued to the keyboard, WITHOUT the appearance of any tabs.

What does a real blanknut look like?

Re: Blanknut Question - Hewlett Packard Label
*Message #2 Posted by **db (martinez, california)** on 25 Nov 2000, 1:58 a.m.,*
in response to message #1 by Mike Davis

mike; my blanknut cx has a label on the bottom front. it says "hp hewlett.packard". the text editor cheat label is oriented the same as on my old fasioned cx. the background is the same type as the cx, minus all writing, and as you said; without tabs. i think the telling feature of a blanknut is that the flat faces of the top four rows of keys have no labeling. am i missing something? would someone want to fake a blanknut? mine always seemed a pain till i painted stuf on thoes keys. wish i could have got my lettering smaller. btw; i think mine was the brain of some kind of machine control system.

Re: Bogus Blanknut - How to spot
*Message #3 Posted by **Mike** on 25 Nov 2000, 10:47 a.m.,*
in response to message #2 by db (martinez, california)

Here are a couple of other details.

1) There is a serial number

2) There was a minute trace of redish powder in the nooks and crannies. Polishing compound comes to mind.

3) The keys ARE blank where they should be blank. But I did a detailed inspection of the keys and every keytop that is blank has some microscopic horizontal streaks. Very minor and you have to look really close.

4) Again, the overlay (keyboard background) simply looks like a blank overlay that was glued down. Not on top of another label but maybe the original label was removed and a blank label placed there instead. You can see the tabs that would ordinarily go into the slots. I would have expected the real overlay to "NOT" have tabs visible.

5) The odd thing is that there appears to be a "real" blanknut label that says "HP Hewlett Packard". But it is stuck on the back.

If it is bogus, someone did a real nice job. Are there any fool-proof ways to determine if it is real or bogus?

Re: Blanknut Question - Hewlett Packard Label
*Message #4 Posted by **Iqbal** on 25 Nov 2000, 5:15 a.m.,*
in response to message #1 by Mike Davis

Here is a photo of a HP 41C blanknut:

http://www.hpmuseum.org/41opt001.jpg

According to Wlodek Mier-Jedrzjowicz [Ph.D] in his book 'A guide to HP handeld Calculators and Computers' and I quote him,

" Blanknut HP-41's had a blank overlay, and no writing on the function keys, though I have seen one that has writing keys, but a blank overlay. They had a small bar covering up the USER and PRGM toggle keys. Blanknuts were supposed to have had no serial number, but again, I have seen one with a serial number - though this may have been a demonstration unit, not one sold to customers." He goes on to say and I quote again " I have never heard of Blanknut HP-41 units being made in the halfnut version, and would be very interested to see or hear of one".

If you are a collector or starting out as a collector, I strongly suggest you purchase a copy of this book. It has a wealth of information, even a little part on calculator restoration. I have a copy and have really learnt a lot from it.

Re: Blanknut Question - Hewlett Packard Label
*Message #5 Posted by **JoeB** on 25 Nov 2000, 7:22 a.m.,*
in response to message #1 by Mike Davis

Sounds like you are the proud owner of a bogus blanknut. Perhaps you should have asked more questions before you bought it.

Re: Not sure what one could have asked to determine
*Message #6 Posted by **Mike** on 25 Nov 2000, 10:40 a.m.,*
in response to message #5 by JoeB

if this was a bogus. I would have thought it would not have been worth the trouble.

Re: Blanknut Question - Hewlett Packard Label
*Message #7 Posted by **Dave Hicks** on 25 Nov 2000, 1:45 p.m.,*
in response to message #1 by Mike Davis

I haven't seen a blanknut where the keypad background has tabs. I have seen them with and without a front/bottom "HP Hewlett-Packard" label, with and without a bar over the USER and PRGM buttons and with and without a keyboard cheats label on the back. The ones without the label have "MADE IN SINGAPORE" printed in silver directly onto the plastic in the label area.

A question for all Blanknut owners
*Message #8 Posted by **Mike** on 26 Nov 2000, 9:08 p.m.,*
in response to message #1 by Mike Davis

Does your blank keyboard background have tabs extending into the tab holes?

Do tabs indicate a fake Blanknut?

Re: A question for all Blanknut owners
*Message #9 Posted by **Victor** on 27 Nov 2000, 4:15 a.m.,*
in response to message #8 by Mike

Mine does not have tabs that extend into the tab holes. It has a serial number, does not have a black bar covering the USER and PRGM keys, and has a label on the back identical to the one on my 41-C.

Re: A question for all Blanknut owners
*Message #10 Posted by **Don Williams** on 27 Nov 2000, 8:03 p.m.,*
in response to message #8 by Mike

I have a blanknut 41CX with the following paticulars:

Tabs on the front keyboard template as you describe.

Dull dark grey keys with a circular blemish visible only under magnification. The circle is the diameter of the vertical height of the key. All my other 41 series calcs have dark black shiny keys.

Serial number indicates Singapore manufacture.

No bar over USER or PRGM keys.

Back label orientation identical to my regular 41 CX. However the Model ID HP-41CX on the blanknut appears in the bottom left corner of the label. On the normal 41CX the model appers on the lower right

Re: A question for all Blanknut owners
*Message #11 Posted by **Peter Petersson (Germany)** on 28 Nov 2000, 2:07 p.m.,*
in response to message #10 by Don Williams

I checked my two blanknuts, and found some similar details:

The 41-CX blanknut halfnut (serial 2808S...) (which does not look manipulated) has the tabs on the bank template. The rear label is in place, but not placed exactly in place. It is the same label as on my other HP-41CX halfnut, with the text HP-41CX on the bottom left side. My fullnut CX has it on the right side. It has no bar over USER or PRGM keys, but it has the "hp Hewlett.Packard" label on the front side. And the color of the keys is somewhat different of the other HP-41's, very dark grey.

My HP-41CV balnknut has no bar over the USER or PRGM keys, it has a Singapore serial number, but the rear label is in the wrong orientation. It has no front label. The keys are black as on my other HP-41s.

Maybe the blanknut production was made off the normal production lines, mounting the blank keyboards with the other parts from the production line. This could explain why many blanknuts did not get a serial number. And think about a blanknut in a hp repair facility, they could have exchanged parts for a repair.

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New HP Museum Section - Counterfeit Labels - A Suggestion
*Message #1 Posted by **Mike Davis** on 22 Nov 2000, 11:47 p.m.*

I think the Museum could/should (may be coaxed to) provide a valuable service and addition to the great HP Museum site by providing a page of high resolution close-up images of authentic HP Labels.

Along with these images we could add "Points to check for", in determining whether or not a label iscounterfeit.

With the new counterfeit labels, it would be a benefit to new HP Collectors.

I see nothing wrong with these labels, if they are used for ones own collection. But I suspect we will soon see a proliferation of counterfeit labels showing up on HP Calculators and being billed as mint.

Mike

Re: New HP Museum Section - Counterfeit Labels - A Suggestion
*Message #2 Posted by **Dave Hicks** on 25 Nov 2000, 1:31 p.m.,*
in response to message #1 by Mike Davis

I think a section on spotting fake labels is a good idea but I don't think that high-resolution scans will be effective in most cases. Many of the differences such as thickness, reflectivity, ink depth, texture etc. will not show up well (or at all). Color differences are also a problem because I may get the colors, brightness and contrast to look mostly right on my monitor but what they look like on yours is another matter. Then the viewer has the challenge of comparing a backlit non-life-size image to a real object. I find that I can never get the image to look exactly like the real item.

Adding to the difficulty is that I know that some genuine HP labels have varied during the production runs. I wouldn't want to put up scans of what I have and then have people accused of selling fakes because they have a different, but legitimate, variation.

I think the best we can do is to describe the fakes that have been seen, and include a photo/scan in those cases where it does show an obvious difference. In these cases, I think we should have photos/scans showing both the real and fake items so the viewer can see the relative differences between real and fake rather than trying to judge the difference between a scan and a real object.

As far as I know, I haven't seen a fake label yet and since I tend to buy at thrift shops and flea markets where the prices are probably too low to support to support faking, I may never see one. I'll need a lot of help to do this.

Re: I have two knock-off labels
*Message #3 Posted by **Mike** on 25 Nov 2000, 2:41 p.m.,*
in response to message #2 by Dave Hicks

I don't consider these unethical, in and of themselves. They do serve a good purpose for one own collection.

But there are very well defined differences that might get by someone who does not have something to compare against.

I wonder what the consensus is on how important the fake label really is. How much would that detract from the collectibility of an HP? How much would one be defrauded by these labels?

Re: I have two knock-off labels
*Message #4 Posted by **Dave Hicks** on 25 Nov 2000, 5:46 p.m.,*
in response to message #3 by Mike

Can you supply scans and/or descriptions of the knock-offs you have?

Since someone quoted a price of $.18 to make labels, I would consider the maximum price of an HP with a fake one to be the price of one missing the label plus $.18. The minimum would probably be the price of a calculator missing the label, minus some small amount for the bother of removing it.

For a calculator to use, I wouldn't consider the lack of a label to be an issue. From a collecting standpoint, I would consider one with a fake label to be worth significantly less than one with a real label in any condition. I'm not sure what the exact deduction would be. Generally, I only consider calculators in such condition in cases where the prices are only a few dollars anyway and, even then, the issue doesn't come up that often.

"How much would that detract from the collectibility of an HP? How much would one

be defrauded by these labels? "

A few days ago you said: "The condition of the labels are important to the value and quality of the collectible calculator." I agree that the labels matter but it's hard to define "how much" someone would be defrauded. I think that being a little defrauded is like being a little pregnant.

I don't (I think)
Message #5 Posted by ***Steve (Australia)*** *on 25 Nov 2000, 7:58 p.m.,*
in response to message #4 by Dave Hicks

I suppose it comes down to why one would want to fake a label.

I can only see three reasons.

1) the original label contains needed information and has become lost, damaged, unreadable, etc.. and a replacement is needed to retain the important information.

2) the original is lost, damaged, etc., and the owner (for reasons of personal preference) wants to replace it.

3) the original is lost, damaged, etc., and the owner (for commercial gain) wants to replace it.

If you look at these in order, Mr. 1 does not need anything that looks like the original, and I see calculators with liquid paper, adhesive labels, and all other means of sticking formulae to the calculator. There is no problem with this. It's his calculator and he can do what he wants.

Mr. 2 is going one step further. He wants the stickers to look like they were meant to be there. I suppose it's a bit like my filofax with an "intel inside" sticker on it. There is no intent to defraud. However, if he does a good job (and his motives may be restoration) it may well be that further down the line of ownership his work may be mistaken for original manufacture.

Mr. 3 may be doing no more than Mr. 2 (he may be doing less) but it is his motive that we question.

The solution?

Well I really don't think there is one. We can't (at least at the moment) call in

Scotland Yard, the FBI, or the Federal Police to investigate calculator fraud, or have international calculator experts verify the goods before each sale. Calculators are not in the same league as renaissance oil paintings.

I suppose it is a personal thing that collectors will have to decide. It's similar to the restore or not restore argument (and that argument is going on in art circles too).

If a calculator is built up from the parts of several dead calculators, the person doing it may not be knowlegable enough to realise that the resulting calculator is not feasable (gold balls in a CV for instance, or a very early serial number CX). And without that knowlege, can we complain if they don't explicitly pass it on?

And what of the difference between a CV with added X functions and Xmemory (internally) produced today with one produced just as the XFunction became available. And how would we know? (I suppose some expert could tell us that a particular type of insulation on wires was not used before X years ago -- but would we be that lucky, and would we pay to find out?)

And what do you do with such a calculator? Smash it to bits?

permited repairs

*Message #6 Posted by **db (martinez, california)** on 25 Nov 2000, 10:37 p.m., in response to message #5 by Steve (Australia)*

this may be a bit off target, sorry. i have a 1957 bsa 650 road rocket. it has after market copy "tank badges" (a bsa symbol on the gas tank). these were made in (i think)taiwan. i don't think that these lower the value of the machine much if any at all. what does lower it's value is that it leaks oil like it's got stock in texaco. it looks to me like a lot of the postings to these label threads are trying help to establish some ground rules for the value of our calculators. i think that the value of an rpn hp is derived from a different source that that of a beenie baby or baseball card and i believe that everyone here does too. i guess a calcer should get some "points for originality", i don't know how many/much, but after that dave's 18 cent rule seems like a good guideline. personaly, i'd rather have a functioning rat than a like-new-in-the-box-looking unit with bad keys. btw steve; did kawasaki really make bsa a-10's for the australian police into the late '60s?

Re: permited repairs
*Message #7 Posted by **Dave Hicks** on 26 Nov 2000, 12:36 a.m.,*
in response to message #6 by db (martinez, california)

"i think that the value of an rpn hp is derived from a different source that that of a beenie baby or baseball card and i believe that everyone here does too."

I think, though, that the prices are derived in much the same way. It's difficult to explain why HP-70s and 10s, cost far more than HP-41s without getting into the standard collectible supply and demand explanation.

Re: I have two knock-off labels
*Message #8 Posted by **Jim L** on 27 Nov 2000, 12:45 p.m.,*
in response to message #3 by Mike

I think how much it matters is proportional to the condition of the calculator. As you get into the new in the box realm, the lack of a label (or a repro - same thing in my opinion) is going to hurt a lot. At the other end, if it was described as "poor" I wouldn't be surprised if the label was damaged or missing.

Fraud? I would say that if it wasn't disclosed it would clearly be fraud - perhaps with an exception for calcs described as poor or worse.

Of course this assumes the seller knows. I think the label makers would be doing everyone a big favor if they made the point to include something like "(repro)" in small print at the edge of their labels. You know that someday these are going to turn up for sale as real. This has been going on for years on ebay with reproduction nautical instruments, though it got better after some collectors started sending emails to the bidders. When the sellers get caught they say "I didn't know! I got it from some guy who told me it was real! I'm the one who got ripped off!" Some sellers mix parts from real and repro items and don't bother to say so. It would be awfully nice if we could avoid this as much as possible with calculators.

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X Functions Question - Part Number
*Message #1 Posted by **Mike Davis** on 22 Nov 2000, 11:17 p.m.*

I have a couple of X Function modules. Both say "X Functions" on top but both have different part numbers.

One is HP 82180A and the other is marked HP 5061-5256.

Are these both identical?

Re: X Functions Question - Part Number
*Message #2 Posted by **Ion Abraham (New Mexico)** on 23 Nov 2000, 12:14 a.m.,*
in response to message #1 by Mike Davis

Mike,

No, I don't think they are identical. From an old posting by Steve (Australia) with a very useful set of part numbers, here is what I dug up:

HP 5061-5256 X Functions (hp41)

Hp 82180-90002 HP82180A Extended Functions/Memory Module Quick Reference Card (Singapore Mar 82)

Perhaps he, or someone else more knowledgeable than I am, would like to explain the difference between these.

You can find Steve's posting in the Forum archives in the fourth set, posted on 27 Sept. 2000.

That's all I've got for now.

Ion Abraham Albuquerque, New Mexico

Re: X Functions Question - Part Number
*Message #3 Posted by **Steve (Australia)** on 24 Nov 2000, 7:14 a.m.,*
in response to message #2 by Ion Abraham (New Mexico)

I'm fairly sure what you are seeing are date codes.

I may have a reference here somewhere...

"At the bottom of every module there is a four-digit date code stamped into the plastic. This is not the same as the type number on the label under the module, the date code is in the plastic itself and is not so easily seen. The four digits can be interpreted as YYWW, where YY is the year code and WW is a week code. Add YY to 1960 to give the year when the module was made. ... WW is actually the the week of manufacture plus 8..."

Extend you HP-41, p639

Re: X Functions Question - Part Number
*Message #4 Posted by **Ion Abraham (New Mexico)** on 24 Nov 2000, 1:05 p.m.,*
in response to message #3 by Steve (Australia)

Steve,

Thanks for responding. Mike will have to see if that makes sense to him. Your reply does not explain, however, why those two codes are exact separate entries in your very nice part number list. Any ideas?

Regards,

Ion Abraham Albuquerque, New Mexico

Re: X Functions Question - Part Number

*Message #5 Posted by **Steve (Australia)** on 24 Nov 2000, 7:56 p.m.,*
in response to message #4 by Ion Abraham (New Mexico)

> Your reply does not explain, however, why those two
> codes are exact separate entries in your very nice part
> number list.

I assume you are referring to this?

> HP 5061-5256 X Functions (hp41)
> Hp 82180-90002 HP82180A Extended Functions/Memory Module Quick Reference Card (Singapore Mar 82)

The first refers to a module, the second to a quick reference card.

In general the list I posted had the following removed

1) serial numbers
2) duplicates
3) notes on condition
4) non-HP stuff

I may have accidentally left some serial numbers on the list, but in general what I have on my list is what appears on the item.

5061-5256 is NOT the date code, but whether it is a part number, or some combination of part number and version info, or what, I don't know. incidentally the X Functions module I have in my hot little hands right now has a date code of 2339.

If the number 5061-5256 has changed, then it may well indicate a change in the ROM. I believe there were a number of changes to the X-Functions ROM.

Note that at least some of these changes resulted in a change to the header displayed in cat 2.

The versions I have information on are

-EXT FCN 1B (2 versions!)
-EXT FCN 1C
-EXT FCN 2D

See Extend your HP41, p630

Incidentally the one quoted above identifies itself as 1C, and another I have identified itself as 1B (but id not inside its original module holder, so I can't help you with any further info.

Oh, my CX id a 2D (but that's internal)

I think that may be all the information I have at the moment.

Well, maybe not. The original info was:

> One is HP 82180A and the other is marked HP 5061-5256.

I would check what cat 2 says. My bet would be it's a 1B, but I'm prepared to be surprised :-)

Re: Don't think so....
*Message #6 Posted by **Mike Davis** on 24 Nov 2000, 8:51 p.m.,*
in response to message #3 by Steve (Australia)

I'm not talking about the 4 digit numbers that are stamped into the plastic. Both types have the 4 digits stamped into the plastic.

What I am talking about is written in white painted characters.

On one it is: HP82180A Made in Singapore

There is also a 2212 stapmped into the plastic

On the other it is: HP5061-8256 Made in Singapore

There is a 8624 stapmped into the plastic

Both of these numbers that begin with HP, look like part numbers. The date code is seperate.

I came to the same conclusion
*Message #7 Posted by **Steve (Australia)** on 24 Nov 2000, 9:57 p.m.,*
in response to message #6 by Mike Davis

Check out my previous post on this topic. I cam to the same conclusion after I looked into it more closely.

And with your further information, maybe you have a 2D version, since the date code is quite recent.

The real question is what does cat 2 show, and yes, HP made several versions of the rom.

Re: I came to the same conclusion
*Message #8 Posted by **Mike** on 24 Nov 2000, 10:59 p.m.,*
in response to message #7 by Steve (Australia)

HP82180A is version 1B

HP5061-8256 is version 1C

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HP/WILD 38045C Volume C
*Message #1 Posted by **Gary Drasky** on 22 Nov 2000, 3:18 p.m.*

HP/Wild 380426 Volume C

We have several old project files prepared on the HP 85 with the HP/WILD 38045C 'Volume C' software. Does anyone know of a program where by we can easily convert the old point files to an ASC format, thus allowing importation into PC programs? The software is Land Survey oriented. Thank you for help to that end.

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HP41C Card Reader Problem

*Message #1 Posted by **John Robinson** on 22 Nov 2000, 2:29 a.m.*

I replaced a 82104 card reader's roller, and it seems to pull the card through OK, but when I try to read or write a card, I get "Malfunction". I cleaned the head with a head cleaning card, check all the head connections inside the reader, but I stil have the problem. Any clues ?. Thanks, John

Re: HP41C Card Reader Problem

*Message #2 Posted by **Thibaut.be** on 22 Nov 2000, 7:46 a.m.,*
in response to message #1 by John Robinson

Well... I had the same problem...

Put fresh batteries and check it out... silly, but easy to repair...

Cheers John,

Re: Don't know if this is your problem but...

*Message #3 Posted by **Mike Davis** on 22 Nov 2000, 11:23 p.m.,*
in response to message #1 by John Robinson

There is a small piece of copper (1/2" long strip along length axis of card) that presses the card against the reader head.

I accidently caused this to become too flat (no spring action) on one the first card readers I repaired. If it does not push the card against the head, you will get a "malfunction" error.

You have to be careful when messing with that piece of spring copper. Too tight and it will scribe the card and leave a black line. Too lose and it will not press the card against the head.

If you have not touched that piece, this may not be your problem.

Good luck!

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How to Configure X25/ACC in HPUX 9000 with modems

*Message #1 Posted by **Goncalo Valadas** on 21 Nov 2000, 12:12 p.m.*

Hello,

I have two motorola 3266 Fast modems attached to a z7400a mux (one on port 0:0 and the other on port 0:1) they are configured to work in sync mode connected thru a telephone leased line (so they are connected all the time). I've tried two things: 1. First I tried with lapb_sample.answ that looks as follows:

********** *@(#)NACC lapb_sample.answ $Rev: /main/12 $"

#include "/opt/acc/cfg/ttgendefine"

ttgen

Configuration system-name "ACC HDLC/LAP-B (ABM) protocol ttgen input file" program-zlu 100 terminal-zlu 800 logical-term 800 physical-term 800 buffer-pool 3000000 logical-size 252 queue-Limit 200 transmit-limit 100 unack-limit 5000 port-limit 20000 * E1T1-Port-Limit 100000 node-entry 1

Interface-Definition z7400a 0 0:8 /opt/acc/z7400a/hdlc.zabs

Port-Definition Port 0:0 RS232 9600 Int SDLC X1 NRZ Port 0:1 RS232 9600 Ext SDLC X1 NRZ Port 0:2 RS232 9600 Int SDLC X1 NRZ Port 0:3 RS232 9600 Ext SDLC X1 NRZ Port 0:4 RS232 9600 Int SDLC X1 NRZ Port 0:5 RS232 9600 Ext SDLC X1 NRZ Port 0:6 RS232 9600 Int SDLC X1 NRZ Port 0:7 RS232 9600 Ext SDLC X1 NRZ

Terminal-Definition Term 10 0:0 HDLC.LAPB HDLC_DTE_400MS 1000 0 0 0 0 "HDLC link 1" Term 20 0:1 HDLC.LAPB HDLC_DCE_400MS 1000 0 0 0 0 "HDLC link 2"

Node-Definition Local-Node 123

End$ **********

and zmasterd bring the x25server working. Then I used Zterm utility to verify the configuration and when I try to enable the link:

********** rc 10 20 cn 10 20 EN rx **********

it replies with: Link not established on enable Link not established on enable

so nothing done...

2. Then I try to do the loop test: I've used x25_loop.answ that look as follows:

********** **ttgen input file /opt/acc/cfg/x25_loop.answ Created Wed Aug 30 18:03:06 PST 2000 **@(#)ACC sample_header $Rev: /main/6 $" #include "/opt/acc/cfg/ttgendefine"

ttgen Configuration System-name "ACC ttgen input file" Program-zlu 100 Terminal-zlu 1000 Logical-Term 800 Physical-Term 800 Buffer-Pool 3000000 Logical-Size 252 Logical-Data 10 X25CNT,0,X25CNT_LDSIZE Queue-Limit 200 Transmit-Limit 100 Unack-Limit 5000 Port-Limit 20000 Node-entry 1

Interface-Definition z7400a 0 0:8 /opt/acc/z7400a/x25.zabs

Port-Definition Port 0:0 RS232 9600 Int SDLC X1 NRZ Port 0:1 RS232 9600 Ext SDLC X1 NRZ Port 0:2 RS232 9600 Int SDLC X1 NRZ Port 0:3 RS232 9600 Ext SDLC X1 NRZ Port 0:4 RS232 9600 Int SDLC X1 NRZ Port 0:5 RS232 9600 Ext SDLC X1 NRZ Port 0:6 RS232 9600 Int SDLC X1 NRZ Port 0:7 RS232 9600 Ext SDLC X1 NRZ

Terminal-Definition Term 600 0:0 PORTTEST 0000h 0000h 99 0 0 0 0 "For Loopback Test" Term 601 0:1 PORTTEST 0000h 0000h 99 0 0 0 0 "For Loopback Test" Term 602 0:2 PORTTEST 0000h 0000h 99 0 0 0 0 "For Loopback Test" Term 603 0:3 PORTTEST 0000h 0000h 99 0 0 0 0 "For Loopback Test" Term 604 0:4 PORTTEST 0000h 0000h 99 0 0 0 0 "For Loopback Test" Term 605 0:5 PORTTEST 0000h 0000h 99 0 0 0 0 "For Loopback Test" Term 606 0:6 PORTTEST 0000h 0000h 99 0 0 0 0 "For Loopback Test" Term 607 0:7 PORTTEST 0000h 0000h 99 0 0 0 0 "For Loopback Test" Term 608 0:0 MONITOR 0000h 0000h 01 0 0 0 0 "Used for Watch Feature"

Node-Definition Local-Node 123 End$
****

and again zmasterd bring the x25server working. Then I used zx25init to enable the link:

zx25init -c /etc/x25/x25configCPI_0 -a /etc/x25/ip_to_x121_map (>>result)

and the same for the other

zx25init -c /etc/x25/x25configCPI_1 -a /etc/x25/ip_to_x121_map (>>result)

and then the read data led from one modem start flushing and on the other modem the read data led stays on but on /var/opt/acc/log/xxx.tlog file it appears the same message: Link not established on enable.

Here file x25configCPI_0 and x25configCPI_1 :

********** #@(#)NACC x25configCPI_0 $Rev: /main/2 $" # x.121 408746500000 x.121_packetaddr 408746500000 device zx25m0p0 name natacc00 # # Level 2 Parameters # t1 1600 t3 60000 framesize 149 n2 10 l2window 7 # # Level 3 Parameters # networktype DTE_84 # # Circuit Table Definition # # LCI TYPE HOW MANY lci 1 pvc 2 # # Flow Control, Throughput Class, Fast Select and Reverse Charge Settings # flowcontrol off thruputclass off fast_select_accept disabled reverse_charge disabled def_inpacketsize 128 def_outpacketsize 128 def_inwindow 7 def_outwindow 7 def_inthruputclass 11 def_outthruputclass 11 # # IP Parameters # ipaddress 130.9.192.0 idletimer 45 holdtimer 30 mtu 2048 **********

********** #@(#)NACC x25configCPI_1 $Rev: /main/2 $" # x.121 408746500100 x.121_packetaddr 408746500100 device zx25m0p1 name natacc01 # # Level 2 Parameters # t1 1600 t3 60000 framesize 149 n2 10 l2window 7 # # Level 3 Parameters # networktype DCE_84 # # Circuit Table Definition # # LCI TYPE HOW MANY lci 1 pvc 8 # # Flow Control, Throughput Class, Fast Select and Reverse Charge Settings # flowcontrol off thruputclass off fast_select_accept disabled reverse_charge disabled def_inpacketsize 128 def_outpacketsize 128 def_inwindow 7 def_outwindow 7 def_inthruputclass 11 def_outthruputclass 11 # # IP Parameters # ipaddress 130.9.192.1 idletimer 45 holdtimer 30 mtu 2048 **********

can anybody help me ???

Goncalo Valadas Edisoft, S.A. Lisboa-Portugal

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Making a HP-67 charger
*Message #1 Posted by **Tony G** on 21 Nov 2000, 1:28 a.m.*

Does anyone know if it is worthwhile to assemble a HP-67 charger from easily available parts or if some existing part can be modified to do the job?

Re: Making a HP-67 charger
*Message #2 Posted by **DaveJ** on 21 Nov 2000, 12:57 p.m.,*
in response to message #1 by Tony G

I suppose it would be worthwhile to have a design available. Probably most collectors do not require one charger for each calc in their collection (of course some collectors want complete units with all accessories for each).

Re: Making a HP-67 charger
*Message #3 Posted by **Todd Garabedian** on 21 Nov 2000, 9:28 p.m.,*
in response to message #1 by Tony G

I suppose you could make one, but why? Those chargers are fairly easily available, so why not just buy one? Am I missing something?

Todd

Re: Making a HP-67 charger
*Message #4 Posted by **Les Bell (Australia)** on 22 Nov 2000, 3:10 a.m.,*
in response to message #3 by Todd Garabedian

Several reasons, I guess:

220V/240V chargers are harder to find; one could design a smarter and faster charger than the HP one; one could design a charger for NiMH or Li-ion batteries; or just "because it's there"?

The only tricky part would be sourcing a connector for the calc end of the cable.

Best,

--- Les [http://www.lesbell.com.au]

Re: Making a HP-67 charger
*Message #5 Posted by **Katie** on 22 Nov 2000, 2:17 p.m.,*
in response to message #4 by Les Bell (Australia)

I've looked for the connector plugs over the years with no luck and have concluded that they must have been a custom made part. In fact, the Heathkit OC-1401 (a very interesting LED RPN calculator/flight computer) which uses an almost identical charging/plug scheme to the HP classics doesn't use this plug, they seem to have come up with their own custom variation.

-Katie

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hp27s calculator
*Message #1 Posted by **guy boucher** on 19 Nov 2000, 2:08 p.m.*

i have an hp27s calculator bought in 1987. it doesn`t work anymore and i`m looking to a similar one. i tried the hp48gx but i wasn`t able to create, save and execute any single program i normaly do on my old 27s. i saw the hp38g on the hp web site but i don`t find any dealer near who have this model in stock... i would like to try it before buying it. i only nead a calculator i can put formulas and easily resolve them... like the hp27s. i`m located in the montreal area and would like to have any information or suggestion.

...thanks.

Re: hp27s calculator
*Message #2 Posted by **Ron Ross** on 19 Nov 2000, 7:37 p.m.,*
in response to message #1 by guy boucher

The two closest calcs in functonality are the Hp17b and the Hp 19 b. The 17 and 19 both have the same solver, the 17 is in the same case and the 19 is a bi-fold but also has trig functions. If you don't need trig functions I would suggest the 17 since it is more durable and still a pocket calc. There is no true substitute for the 27 but these are as close as you can find easily on the market.

Otherwise you will have to shop e-bay or someone on this site who has one to spare (not easy, since anyone who ever owned a 27s doesn't really want anything else)

Good luck

Re: hp27s calculator
*Message #3 Posted by **Todd Garabedian** on 19 Nov 2000, 7:42 p.m.,*
in response to message #1 by guy boucher

Guy,

The HP-19BII is probably the most similar calculator to the HP-27S that is available from HP today. IThe 19BII does almost everything the 27S does, except base conversions (HEX, DEC, BIN, etc.). It has the same solver as the 27S, and I believe the same amount of memory. The 19BII is a folding "clamshell" design, so it is bigger physically. However, inputting alphabetic characters is much easier due to a dedicated second keyboard. It also has a 4-line display, rather than the 2-line in the 27S. The 19BII can also switch between RPN and Algebraic input! Check it out!

Good Luck,

Todd

Re: hp27s calculator
*Message #4 Posted by **Thibaut.be** on 20 Nov 2000, 9:53 a.m.,*
in response to message #1 by guy boucher

To my opinion, the HP 19BII is one of the best multi purpose calculator HP has ever made.

I often use the solver in financial applications, but it is also very powerful to use real maths equations.

It's not programmable but the solver is really a litte jewel and so convenient to use.

Re: hp27s calculator

*Message #5 Posted by **Jan** on 22 Nov 2000, 4:37 p.m.,*

in response to message #4 by Thibaut.be

I had the same problem. My 27 S has been stolen. It's been running me crazy. There is no way to buy an used 27 S – nobody would sell it…guess why.

I have tried 38 G, 48 G and 49 G. None of them will replace 27 S. 38 G is more a “school” type of calculator with lot of interesting mathematical functions and plotting capabilities, but heavy restrictions, such as one character variable names, no thousand separators, you can not assign names to equations and much more. 48 and 49 are by far too complicated for normal daily life and too large in size (both very powerful, 48 is nicely crafted in the old HP style, 49 more a game boy type, but working fine.).

I was advised in this forum to look into 19II b. A very good advice indeed. You get pretty close to 27 S. It has even some more functions than 27 S. Among others currency conversions, unit conversions and some plotting functions. I found two limitations so far – 1. the algebraic precedence seems not be so strict – you will need more brackets to be safe. 2. in the 2 variables statistics/regression you only are asked to select the X-variable. The Y-variable is the one that presently resides in the memory. Not a real problem, but somewhat confusing.

Should you buy one, make sure that it opens well. Some of the later models have a tendency to be really hard to open.

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Re: books on HP 17BII
*Message #1 Posted by **Michael Burns** on 19 Nov 2000, 10:26 a.m.*

I would like a book on tips & tricks in general and specifically on how to best utilize the solve function. The Equation Solver (chapter 11 page 141) I'm refering to the book that comes with this calculator. What are the limitations of the solve function? A book that contains various new examples of how to create new equations that are useful in everday life & solving math problems. Thanks for any help you can offer. Mike from Toronto Ontario Canada

Re: books on HP 17BII
*Message #2 Posted by **Todd Garabedian** on 19 Nov 2000, 7:36 p.m.,*
in response to message #1 by Michael Burns

Michael,

There were several applications books published for the 17BII, 19BII, and 27S directed to specific areas of application. Topics include Real Estate, Personal Investment, Marketing & Sales, etc. One particularly interesting (and hard to find) manual is the Technical Applications manual, which teaches interesting tips and tricks about the solver (GET function, LET function, etc.) that are not discussed at all in the owners manuals. There is one up for auction on eBay right now, as a matter of fact (Item No. 503591449)

Todd

Re: books on HP 17BII
*Message #3 Posted by **Vitaly Konchenko** on 22 Dec 2000, 5:05 a.m.,*
in response to message #2 by Todd Garabedian

I have big problem, i need user manual for HP17BII. Help my please, HP17BII is fine device. Sorry, i don't speak english.

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HP 40 G
*Message #1 Posted by **Don Williams** on 18 Nov 2000, 9:28 p.m.*

Has HP made it just difficult, or impossible, to buy an HP 40G in the US ? I know you can order it from resellers in the UK but their prices seem exorbitant. When I query the HP sales orgs in the US I get the " DUH " response. Anyone else had any luck ?

Re: HP 40 G
*Message #2 Posted by **DaveJ** on 18 Nov 2000, 11:43 p.m.,*
in response to message #1 by Don Williams

The 40G is marketed for Europe, HP markets the 39G in the US, Value added taxes make the prices appear so high...

Re: HP 40 G
*Message #3 Posted by **Todd Garabedian** on 19 Nov 2000, 7:22 a.m.,*
in response to message #1 by Don Williams

The HP-40G in the UK is sold as the 39G in North America. They cost about $90 or so. I've seen them available at Staples (an office supply store here in the US), some electroics stores, and CompUSA. I believe college bookstores are also selling them. In my experience, the 39G is easier to find than the 19BII!

-Todd

Re: HP 40 G
*Message #4 Posted by **Don Williams** on 19 Nov 2000, 10:33 a.m.,*
in response to message #3 by Todd Garabedian

My understanding is that the Calc's are similar but not identical. I was wondering if anyone had found a source in the U.S. Appears as though they must be purchased abroad. I guess I don't understand the reason for this.

Re: HP 40 G
*Message #5 Posted by **Reinhard Hawel** on 20 Nov 2000, 1:55 a.m.,*
in response to message #4 by Don Williams

The only difference seems to be the IR port, which is nonexistent in the European version (HP40G). Nobody wants this in the U.S. , but it seems, that especially in France teachers had the fear, that the pupils would "zap" the results through the classroom during tests.

This resulted in a rather low sales volume for some HP calcs.

Otherwise the 39G and 40G seem to be identical.

Re: HP 40 G
*Message #6 Posted by **Tom (UK)** on 20 Nov 2000, 7:42 a.m.,*
in response to message #1 by Don Williams

It appears (from HP's pages) that the HP39G has IR but no CAS, the HP40 has CAS but no IR.

The price in the UK appears to be 75pounds (including purchase tax of 17.5%. This would give an export price of approx $90 + local taxes + shipping + insurance.

Cynox (in Germany) have the HP40G listed at $64.60 (+ your local taxes and any shipping and insurance) see the web page at:

http://www.cynox.de/en/intasch.htm

Hope this helps, Tom.

40G available in US through Calcpro
*Message #7 Posted by **mktoy (US)** on 20 Nov 2000, 11:16 a.m.,*
in response to message #1 by Don Williams

You can buy a 40G in the US through Calcpro.com, in Corvallis Oregon, for $89.95 plus shipping.

FYI, if you want a 39G for $40, you can register for a two-day workshop in Portland Oregon on Friday, Dec. 1 and Saturday, Dec. 2. It is being sponsored by HP and the Math Learning Center (http://www.mlc.pdx.edu) through Portland State University. I got a 49G for $50 in a similar workshop on Nov. 1 and 2. The 49G notebook/curricula was written by an Oregon State

University professor and is an excellent step-by-step "manual" for learning the basics to the advanced level workings of the 49G (although programming is not covered).

I was told the 39G workshop is even better than the 49G workshop. The professor that taught the 49G workshop said the 39G is her favorite HP calculator (and she has been giving HP workshops since the 28S days).

Matt

Re: 40G available in US through Calcpro
*Message #8 Posted by **Tom (UK)** on 20 Nov 2000, 12:21 p.m.,*
in response to message #7 by mktoy (US)

Any chance that this:

excellent step-by-step "manual" for learning the basics to the advanced level workings of the 49G

Is or will be made available to a wider audience?

Re: 40G available in US through Calcpro
*Message #9 Posted by **mktoy (US)** on 20 Nov 2000, 2:05 p.m.,*
in response to message #8 by Tom (UK)

Tom,

The Math Learning Center is primarily geared toward equiping teachers/professors with learning aids to assist teachers in teaching math to students, (thus the name ;-).

I suggest you look at this webpage: http://www.mlc.pdx.edu/HP.Main.html . One of the bullets mentions "printed curriculum guides for the HP 39G, HP 49G, HP 6S, or HP 30S". This may, or may not, be describing the notebook I received. I tend to believe it is NOT the same, as mine is more instructional, versus a classroom lesson-planning resource.

As much as I would like to ask for some of these free materials, I feel I shouldn't (can't) because I'm an engineer, not a paid educator. And, of course, I don't want to ruin a good thing for teachers who can really use these resources (by taking advantage of the offer by asking for these free materials).

On the other hand, I don't think it would hurt to ask if the 49G "Quick Start Guide"

notebook (or the items listed at this webpage) can be purchased. One thing I failed to clarify, is that like the HP 49G manual, the material is written from an Algebraic-entry standpoint.

Matt

Re: 40G available in US through Calcpro
*Message #10 Posted by **mktoy** on 21 Nov 2000, 10:44 a.m.,*
in response to message #9 by mktoy (US)

Tom,

I had a chance to take a closer look at the HP 49G "Quick Start Guide" that I received at the MLC's 49G class.

It turns out the notebook consists of two parts: the first half is 104 pages long and is a how-to tutorial. The second half is 106 pages long and is a classroom lesson planning guide after all, as denoted by the "HP 49G Classroom Activities" footer at the bottom of each of these pages (geometric proofs and statistical exercises).

Matt

Re: HP 40 G
*Message #11 Posted by **Thubaut.be** on 21 Nov 2000, 12:46 p.m.,*
in response to message #1 by Don Williams

If I can be of any help for purchasing calcs in Europe and shipping to the US.... do no hesitate !

Re: HP 40 G
*Message #12 Posted by **Frank** on 21 Nov 2000, 2:39 p.m.,*
in response to message #11 by Thubaut.be

Could you find us a President? We may have to import one pretty soon. No dictators please! ;+} Sorry Dave, couldn't resist!

Re: HP 40 G
*Message #13 Posted by **Thibaut.be** on 22 Nov 2000, 7:49 a.m.,*
in response to message #12 by Frank

Well, we have a Belgian Joke about that...

It is said that Bush succeeded in his foreign affair exam as he immediately recognized, amongst other dishwashing cloths, which one belonged to Yasser Arafat...

Re: HP 40 G
*Message #14 Posted by **Gore Loser** on 24 Nov 2000, 7:57 a.m.,*
in response to message #13 by Thibaut.be

makes one happy that Belgians are not allowed to vote in our elections

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Printer Paper Types Blue vs Black
*Message #1 Posted by **Mike** on 18 Nov 2000, 7:57 p.m.*

I have an HP-97 that uses blue paper (I guess).

I also have an IR printer 82240A that uses paper 82175A (black paper).

I was just looking at the box and it has an 'X' through an HP-91, HP-92 and HP-97, indicating that it is not for that printer.

I'm wondering why not. I did try the paper and it seems to work fine. In fact, the print comes out much better (although in black).

Is there some real good reason (like it can damage) not to use the black print paper in the 97?

Re: Printer Paper Types Blue vs Black
*Message #2 Posted by **Erik Wahlin** on 18 Nov 2000, 8:27 p.m.,*
in response to message #1 by Mike

There was a HP keynotes article about this. At the time, they said not to use the black type with the HP-97. I think they later said it was ok. I think the issue is the texture of the paper. If the paper is rough, it will wear the print head faster. I use paper made by NCR with very good results. Maybe somebody out there has a more definitive answer.

Re: Printer Paper Types Blue vs Black

*Message #3 Posted by **Todd Garabedian** on 19 Nov 2000, 7:33 a.m.,*

in response to message #1 by Mike

My understanding was that the original blue paper (HP82045A) used in the Topcats and the HP82143 and HP82162 printers was replaced by black paper sold as HP82175A after the Topcat line was discontinued. The black paper was specified for use in the 82143 and 82162 printers and NOT the Topcats. I believe that same paper is now sold as HP82175B and IS specified for use with the Topcats. The paper is probably the same stuff.

As Erik W. points out, I have also heard about the texture issue on the HP paper. To be on the safe side, I try to use HP paper in my Topcats and printers, and not some other brand.

-Todd

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Overwriting a WriteProtected Card (HP-67)
*Message #1 Posted by **Mike** on 18 Nov 2000, 7:22 p.m.*

Is it possible to overwrite a write protected card on the HP-67? I have two Standard Pacs for the HP-67/97 but one has a couple of cards that give errors.

I thought I could just load the programs and then overwrite the card that would not read properly but I don't see anything in the manual about doing this.

Is this possible?

Second option: Can the 41 load such a program and write it back to the card using 67 instructions?

Re: Overwriting a WriteProtected Card (HP-67)
*Message #2 Posted by **Erik Wahlin** on 18 Nov 2000, 8:24 p.m.,*
in response to message #1 by Mike

Hi Mike, I wrote an article about this in the articles section. Someone also pointed out an easier way to do this is to insert a unclipped card through the card exit. Then run the write protected card through the machine (with write program switch set to the left so you see the program). The unclipped card needs to be inserted far enough in from the left that it depresses the write circuitry switch. I think this is far enough in that it engages the rubber wheel. When you insert the clipped card you are writing to, the other card will get pushed out. Hope this makes sense.

Re: hmmmm... doesn't work for me
*Message #3 Posted by **Mike** on 19 Nov 2000, 12:29 a.m.,*
in response to message #2 by Erik Wahlin

I guess I might have to try and build up the cut corner per your article. I tried putting a card in from the other side and I can never get the card to read correctly, once I have tried to write to the card.

If I don't put the 2nd card in from the left, I get the write error as you would expect.

If I do put the 2nd card in from the left, I don't get the write error. But, when I try to read the card back, I get an error.

I have tried this dozens of times and never get it to read back. I have also tried putting the card in from the left side at various depths and nothing seems to work. The card I am trying to write to does push the card out of the way ok and does appear to write (at least no errors) but it just won't read back. I have tried other cards with same results.

Re: hmmmm... doesn't work for me
*Message #4 Posted by **Erik Wahlin** on 19 Nov 2000, 12:49 a.m.,*
in response to message #3 by Mike

Sorry Mike, I was going from memory (which fails from time to time). The original post from the July HP museum forum was: Posted by Bruce Cohen on 25 July 2000, 10:38 p. m.

There is a much safer and simpler way to re-record on protected magnetic cards. The technique was published in HP Keynotes long ago. All it required was to cut a waste magnetic card with a projecting tab which filled in the notched corner of the card which was to be rewritten. The cut on the waste card is made vertically with a tab projecting to the top left in such a manner that there is no appreciable gap when the two cards are butted together. To use the “re-write” card, simply push the tabbed end into the discharge of the card slot until the card makes contact with pinch roller. Then feed the protected card into the inlet slot normally to overwrite it. The newly written card will push the “re-write” card out of the slot as it is written.

HP published this to allow users to correct errors in some of the application packs.

I have used this on both the HP 67 and HP 97. I think HP said that it would also work on the HP 65 but I’m not certain. The article was published about 23 years ago and my memory may have faded due to the gradual loss of my natural cranial sun screen fibers

over the years.

It works but...
*Message #5 Posted by **Erik Wahlin** on 19 Nov 2000, 1:15 a.m.,*
in response to message #4 by Erik Wahlin

I tried it and it works but you have to insert the waste card properly. There are basically three switches activated by nylon balls as the card passes through the reader. The first switch/ball is the motor switch. It turns the motor on. The next two switches are the file protect and head switch. These switches are located at the same (horizontal) position along the card path except the file protect switch is above the head switch. Above meaning at the top part of the card. When you insert the waste card with the protruding angled end, insert it ONLY until you feel a small resistance. If you insert it too far, you will activate the head switch and it turns the head on too early. You only want to activate the file protect switch with the waste card.

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About the trademarks/labels thread

*Message #1 Posted by **Dave Hicks** on 16 Nov 2000, 10:44 p.m.*

I'd like to clarify why I asked the labels thread to "cool it".

In a small part it was because the subject matter was a little "dicey" and off-topic because it was becoming much more a question of law than of calculators. (I don't believe that there is anything in trademark law that is specific to calculators.)

More important was the fact that it was beginning to generate several looping sub-threads. What I mean are spin-off threads argued by passionate people that are highly unlikely to be resolved here. I've seen this sort of thing since I started reading Usenet in 1982. Someone would refer to pirated code, abortion, gun control etc., and the debate would go on for months. Looking at the posts you'd see the same points being made over and over again often with increasing anger or ridicule. Due to the question and answer format of newsgroups and forums people tend to assume that the last posting is the most authoritative answer so everyone keeps posting away. We've already seen one post made to accuse the previous poster of wanting to get the last word. We've seen a post about mass-producing and selling labels morph into doing your own and a new sub-thread complaining about software patents and movie copyrights. I felt that it was better to stop it early than to try to clean up later.

I tacked my request onto the most recent "loop" at that time. This was not meant to imply that I was taking sides.

Like I said below, I'm happy that I've never had to do this before. In some of the forums I visit, moderators feel the need to completely delete several threads per day to keep the forum from blowing up. I'd like to thank everyone for "cooling it" gracefully.

Re: About the trademarks/labels thread
*Message #2 Posted by **Rick Haver** on 17 Nov 2000, 10:24 p.m.,*
in response to message #1 by Dave Hicks

Thanks for your efforts Dave. This forum (and the whole site) are great sources of information.

Re: About the trademarks/labels thread
*Message #3 Posted by **Jim L** on 18 Nov 2000, 11:30 a.m.,*
in response to message #1 by Dave Hicks

Dave, I think you've done a great job here and applied the right amount of moderation.

I watched a newsgroup debate on unauthorized ebooks last year. I followed it for about a month and then tuned out in disgust and haven't read that group since.

I should have known that I was contributing to the same kind of train wreck here.

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Omnibook 530 Help Needed
*Message #1 Posted by **Gene Wright** on 16 Nov 2000, 10:26 p.m.*

Hi all.

Have an Omnibook 530. Includes battery but the AC adapter appears to be a third party job.

Unit does not turn on. Battery may be discharged.

What adapter / voltage etc., does this unit require?

It is also missing the plug-in accessory that goes beneath the left front under the keyboard. What is this piece that is missing?

Any suggestions? Gene

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Stuff
*Message #1 Posted by **Juan J** on 16 Nov 2000, 5:36 p.m.*

Hello there!

I used to keep my machines clean with Snap, that cleaning fluid EduCalc used to sell. I bought a rather large supply shortly before EduCalc became history, and I'm running short of it.

Does anybody know of where to get it, or a replacement? I want to know.

Thanks a lot.

Re: Snap
*Message #2 Posted by **mktoy (US)** on 16 Nov 2000, 6:10 p.m.,*
in response to message #1 by Juan J

Yeah, I'm just about out of my bottle of Snap too. It's a great glass/clear plastic cleaner! The company's name, city, and state are in small print on the bottom of the Snap label; I just keep forgeting to do a web search on the company (the bottle's not in front of me now, or I'd do it... now).

Matt

Re: Snap
*Message #3 Posted by **Ion Abraham (New Mexico)** on 17 Nov 2000, 12:02 p.m.,*
in response to message #2 by mktoy (US)

Is this the right stuff?

http://www.concentric.net/~Snapprod/

Ion Abraham Albuquerque, New Mexico

Re: Snap
*Message #4 Posted by **Jack** on 17 Nov 2000, 11:37 p.m.,*
in response to message #3 by Ion Abraham (New Mexico)

I have ordered Snap directly from the manufacturer a couple of times. I don't have their fax number with me now but I can get it if you guys still need it. The company that makes the stuff is very happy to sell small quantities to the public. They will even send you the product prior to your payment!! Please email me if you need the fax and address number.

Jack

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Re: By chance I spoke with two attorneys
*Message #1 Posted by **Jim L** on 16 Nov 2000, 3:19 p.m.*

Yeah I was brewing up some Heroin yesterday, and my accountant said he couldn't omit my heroin profits from my tax return so I shot him and wrote my own return. It's a good thing I do all this in my home.

In light of Dave's request to talk about calculators, I'll stop here. :-)

Police, and IRS, please note: This is NOT a true story!!!

Re: By chance I spoke with two attorneys
*Message #2 Posted by **Juan J** on 17 Nov 2000, 9:36 p.m.,*
in response to message #1 by Jim L

Attorneys and accountants are pests, just that simple. But these pests and administrative pukes "rule" (i. e., handle everyday meaningless things) our world. And that leaves us with plenty of time to do what we like most and what is really important, like taking care of our little machines. So let us leave them in their meaningless lives and have fun.

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non-programmable RPN
*Message #1 Posted by **Matt M** on 16 Nov 2000, 11:20 a.m.*

I am looking for a non-programmable RPN calculator for use in college exams that exclude programmable calculators. Can anyone tell me what model numbers I should look at? I might also consider a calculator that doesn't look programmable. Thanks for your help! -Matt

Re: non-programmable RPN
*Message #2 Posted by **Tom (UK)** on 16 Nov 2000, 1:45 p.m.,*
in response to message #1 by Matt M

Try,

HP35, 45, 21, 27, 31E, 32E for scientific models, these may be hard to track down if you want one right now. I would have at least 1 spare battery pack as these are LED types and may not last a long exam. Beleive me - not having a calculator in an exam is no joke. I doubt if the exam board will let you have a mains hook up just for your calculator.

I'd take in an LCD type calc. as a backup (HP30S?).

Tom (UK)

Re: non-programmable RPN
*Message #3 Posted by **Frank Knight** on 16 Nov 2000, 3:31 p.m.,*
in response to message #1 by Matt M

Just sold one to Guy Ball (he got it cheaper than I paid for it!) an Omron SR-12, which operates on disposables (hey I have not shipped it yet, Guy ;+}. RPN, not programmable. Seems like I have 2 more non HP, non programmables, NEC can't recall the model and APF Mark 55 I think plus a bunch of HP's like try the HP 21 which will run on disposables or new composition cells as well.

Re: non-programmable RPN

*Message #4 Posted by **Chan Tran** on 22 Nov 2000, 11:59 p.m.,*

in response to message #3 by Frank Knight

Get an HP32SII. It is programmable but I am quite sure that your teacher will let you use in in the test. The reason: It doesn't look programmable because it doesn't have a large screen that can display graphic. (I believe many people believe that a programmable calculator must be graphic). I also believe that most teachers are not familiar with the RPN type of calculators. But, I may be wrong

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HP-65/67 cards and airport scanners
*Message #1 Posted by **Matthew Riehl (U.S.A.)** on 16 Nov 2000, 12:02 a.m.*

Anyone know how the X-Ray scanners at the airports will effect the magnetic cards for the classic calculators? I would hate to nuke an orginal pac of cards when it could be avoided.

Matt

Re: HP-65/67 cards and airport scanners
*Message #2 Posted by **DaveJ** on 16 Nov 2000, 10:02 a.m.,*
in response to message #1 by Matthew Riehl (U.S.A.)

There would be no problem....just avoid high magnetic fields...

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9825A self test
*Message #1 Posted by **Rich Dillon** on 15 Nov 2000, 8:59 a.m.*

Looking for 9825A/B self test tape or, ability to copy same or, HPL code for same. HP P/N is 09825-90035 (9825A) or 09825A/B (9825A/B)

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HP-97 Printer Gear Problem ---> Solution
*Message #1 Posted by **Katie** on 15 Nov 2000, 2:14 a.m.*

I've posted an article detailing how to fix the (common?) gear deterioration problem in HP-97 printers. This should apply to HP-91 and HP-92 printers as well, but so far I haven't see nor heard of problems with those. (The one HP-92 printer that I've seen so far uses a different material for that gear.)

Any feedback on the article would be much appreciated.

Thanks,

Katie

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HP65 Card Reader testing
*Message #1 Posted by **John Robinson** on 15 Nov 2000, 2:07 a.m.*

How do I test the "write protection" functionality of the card reader ?. I clipped a card, and the write didn't work (as you would hope), but there was no indication from the calc about that, i.e. no flashing display or anything. The manual doesn't detail what is suppose to happen either. Thanks, John

Re: HP65 Card Reader testing
*Message #2 Posted by **Katie** on 15 Nov 2000, 2:30 a.m.,*
in response to message #1 by John Robinson

Right! The 65 doesn't have any error indication when trying to write to a protected card, it just doesn't do it. The 67/97 shows "Error" on the display when you try this.

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HP65 Bouncey Keys
*Message #1 Posted by **John Robinson** on 14 Nov 2000, 8:01 p.m.*

Som of my HP65 keys, particularly the number keys are a bit bouncey, i.e. I press the key once, and the number regsiters twice. Is this just dirty key switches, or something more drastic ? - Thanks, John

Re: HP65 Bouncey Keys
*Message #2 Posted by **Katie** on 15 Nov 2000, 12:37 a.m.,*
in response to message #1 by John Robinson

Hi John,

Definitely dirty switch contacts, I've seen that a lot. I use isopropyl alcohol soaked gauze to clean them with. You need to carefully thread this under the metal bands and wipe gently. You can also try using dental floss with is much easier to deal with, but doesn't always do the trick.

-Katie

Re: HP65 Bouncey Keys
*Message #3 Posted by **DaveJ** on 15 Nov 2000, 10:09 a.m.,*
in response to message #1 by John Robinson

A real fine (1000 Grit) and very light sanding under the contacts can help a lot, it does not take nor should you use this too much.

Re: HP65 Bouncey Keys
*Message #4 Posted by **John Robinson** on 15 Nov 2000, 6:19 p.m.,*
in response to message #1 by John Robinson

The Isopropanol did the trick. Thanks guys.

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Re: HP request on duplicate labels
*Message #1 Posted by **Jim L** on 14 Nov 2000, 4:26 p.m.*

Where has HP consistently bragged that these calculators are collector's items?

All I've seen are a few "history" pages - no collector stuff.

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Re: HP request on duplicate labels

*Message #1 Posted by **Dave Hicks** on 14 Nov 2000, 1:37 p.m.*

"Should HP be surprised that collector will make reproductions of these labels with or without their approval?"

I don't see how surprise or lack of surprise is relevant. A walk through the Beijing Silk Market will convince you that you can buy a fake of anything.

The issue is that the names and trademarks are theirs and they are legally protected. I asked permission for someone else to reproduce the labels. I was expecting a simple NO, but I was pleasantly surprised that the answer was OK with what I consider to be a minor limitation. If you think you can work a better deal, then by all means go ahead.

I also don't see how fake labels on real HPs would increase their "collectibility" or value - except perhaps for a short time before the market realizes that a "good" label is a matter of paying 28 cents rather than being lucky enough to find a mint sample.

beijing silk market

*Message #2 Posted by **db (martinez, california)** on 15 Nov 2000, 12:37 a.m.,*
in response to message #1 by Dave Hicks

dave; next time you are in china will you see if someone can run us off a few hundred 42's? and if they can tack on an rs232 or il interface they can call it a cp or zp or an xyz for that matter and i'll be proud to use it. oh no! i think i'm half serious.

Re: beijing silk market
*Message #3 Posted by **Dave Hicks** on 15 Nov 2000, 11:01 a.m.,*
in response to message #2 by db (martinez, california)

Sadly, I've spent most of my calculator-related time in China looking for Chinese calculators - preferably RPN, of course. Instead I keep finding calculators labeled in English.

It's strange to be stretching the limits of my Chinese, trying to explain to someone that I want a calculator labeled in Chinese rather than in English ;-)

Re: beijing silk market
*Message #4 Posted by **db (martinez, california)** on 15 Nov 2000, 10:44 p.m.,*
in response to message #3 by Dave Hicks

dave; do the chinese make rpn calculators labeled in any language? this might be a find and a way to influence an existing company to make what we want to buy. it seems that your interests go beyond hp's; did you ever play with one of thoes national semiconductor rpn's with a three level stack and an led screen?

Re: beijing silk market
*Message #5 Posted by **Dave Hicks** on 16 Nov 2000, 11:39 a.m.,*
in response to message #4 by db (martinez, california)

I didn't see any RPN calculators in China other than HPs.

I do have some National Semi models including one with a manual addendum (that looks like it was 10 copier generations away from an original page made on a typewriter that needed servicing.) The addendum says that to assure error-free computing, you should start the calculator with (from memory) On, Off, On, Off, Clr, Clr, Clr. Most reassuring…

Displays are OK not great, buttons are different from one model to the next but I wouldn't call any of them even fair. Programming on one consists of setting the switch to program and then keying in instructions with no visible feedback. Then you switch back to run and hope you got it right. No editing, no branching, no looping, no testing. Very cheap overall feel. (This is all from memory - they're packed away somewhere.)

When I pick up other potentially interesting calculators from the early HP era, I'm usually reminded of how special the HPs were. It's easy to take that for granted after decades of solid calculators with great buttons etc.

One RPN model I'd like to find is the Corvus 500. I'd also like to find its manual which John Ball described as "Just awful".

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Re-recording of clocking signal on HP75 cards
*Message #1 Posted by **Gerard Evrard (France)** on 14 Nov 2000, 6:52 a.m.*

I was completely unsuccessful in reading cards on the HP75. Do you have tips regarding this (speed of pulling wrong maybe) ? Another question, may the clocking signal present on these cards vanish with time, rendering them unusable ? And if so, how would you re-record the clocking signal ?

Regards - the forum keeps on being interesting (thanks for the CD-ROMs too).

Re: Re-recording of clocking signal on HP75 cards
*Message #2 Posted by **yos feit** on 14 Nov 2000, 9:04 a.m.,*
in response to message #1 by Gerard Evrard (France)

What error messages are you seeing, if any. Normally, the reading and writing routines will display an error message indicating that the pull speed was too fast or too slow. How many different cards did you try? Perhaps you need to clean your card reader. I do not know the format of the timing marks or how to record them.

Yos

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HP-65 Standard Packs
*Message #1 Posted by **Mike Davis** on 13 Nov 2000, 11:40 p.m.*

I have several HP-65 Standard Packs and I noticed something. Two of these are 1A to 19A. The third pack is 1 to 19 but has a mixture of A and B cards with different programs.

How many different Standard Packs are there for the 65?

Should a pack be all A or all B?

Is a mixture of A and B normal?

Thanks

Re: HP-65 Standard Packs
*Message #2 Posted by **GuyL** on 14 Nov 2000, 3:45 a.m.,*
in response to message #1 by Mike Davis

Hi Mike,

I checked mine and they were all "A". Hope this helps.

Guy

Re: HP-65 Standard Packs
*Message #3 Posted by **Viktor Toth** on 14 Nov 2000, 3:19 p.m.,*
in response to message #1 by Mike Davis

Mike,

My understanding is that 'A', 'B', etc. are revision numbers. And yes, in my experience it is normal for the same pack to contain 'A', 'B', etc. cards, because some programs were apparently revised more often during the life cycle of the pac than others.

Viktor

Re: But my A and B are different
*Message #4 Posted by **Mike Davis** on 14 Nov 2000, 3:23 p.m.,*
in response to message #3 by Viktor Toth

But in my case STD-01A is completely different set of programs than my STD-01B, for instance. It is not a case of just an updated program.

Re: But my A and B are different
*Message #5 Posted by **Viktor Toth** on 14 Nov 2000, 3:42 p.m.,*
in response to message #4 by Mike Davis

Hmmm, how different are they? I just checked and all I have in my HP-65 Standard Pac are 'A' series cards so I cannot tell. I do have other revision labels on some of my HP-67 cards.

Viktor

Re: But my A and B are different
*Message #6 Posted by **Erik Wahlin** on 14 Nov 2000, 4:55 p.m.,*
in response to message #4 by Mike Davis

This issue was brought up a few months back about the std. pak HP-65 cards. There were two different programs for card #1. One set was calander functions, and the other set was personal finance (or something like that). For some reason, HP changed from one to the other. From my experience with both HP-65 and HP-67 cards, the initial card has a A after the number, like 01A. When the card is updated or changed, it will get a B. If updated again, it will get a C and so on. A lot of the HP-65/67/97 paks had addendums to the program cards due to some problem. You could then send your card

into HP and have it replaced for the updated card. These changes were also incorporated into the later issure program paks. Check and see if your cards revisions match the manual revisions.

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Re: Big difference
*Message #1 Posted by **Mike Davis** on 13 Nov 2000, 10:08 p.m.*

The HP Museum is not printing something that is to be seen as an HP Manual.

The label is being made as an HP label, if it includes the HP an logo. There needs to be a clear difference from a copy and an original.

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Re: HP-35 Battery Power
*Message #1 Posted by **Frank** on 13 Nov 2000, 5:17 p.m.*

May I suggest you use AA nicads to make up your replacement pack, instructions are available this site. This will allow you to recharge and have the correct voltage, why risk it, though you could probably get by with it.

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Re: HP request on duplicate labels
*Message #1 Posted by **Dave Hicks** on 13 Nov 2000, 4:32 p.m.*

"I would assum the same source could provide permission for the reprint of labels. "

I tried that and the answer was "no". It's like assuming that if Rolex allows you to put pictures of their watches on the web, that they'll also agree to you making watches that have their name on them. (Trust me - they won't!)

Some of my requests have been granted and some haven't. I'm grateful for the ones that have been. Many companies wouldn't bother.

Re: HP request on duplicate labels
*Message #2 Posted by **Viktor Toth** on 13 Nov 2000, 10:12 p.m.,*
in response to message #1 by Dave Hicks

Hmmm, Dave, but isn't there a difference between making fake Rolexes vs. restoring genuine Rolexes on which the logo was damaged?

Putting an HP logo on a non-HP calculator is an obvious violation of HP's trademark. But restoring the HP logo on a genuine HP calculator is an entirely different matter in my (probably un(der)informed) opinion.

Viktor

Re: HP request on duplicate labels
*Message #3 Posted by **Dave Hicks** on 14 Nov 2000, 12:43 a.m.,*
in response to message #2 by Viktor Toth

Rolex doesn't allow third parties to sell dials, clasps, crowns etc. with Rolex trademarks on them, even though such parts are needed to properly restore Rolexes.

The issue is not putting an HP label on an HP calculator but rather, someone, other than HP, manufacturing and selling products labeled HP. (The labels themselves are the product.) I'm not a corporate lawyer but I think this gets into the area where you have to defend your trademark or risk loosing it entirely. If other people can put your trademark on their product (the label or dial), then it's just a generic word, not a true trademark.

At the company I work, we are constantly reminded by legal how WE (in our own company) may use and may not use our own trademarks.

Re: HP request on duplicate labels
*Message #4 Posted by **Viktor Toth** on 14 Nov 2000, 3:14 p.m.,*
in response to message #3 by Dave Hicks

Dave,

OK, well, selling labelled parts is a different issue. I thought we were discussing making labels for one's own use.

Viktor

Re: Nope!
*Message #5 Posted by **Mike Davis** on 14 Nov 2000, 3:30 p.m.,*
in response to message #2 by Viktor Toth

It's very simple. You cannot put a trademarked logo on a new product and sell it without the permission of the holder of the trademark.

How much simpler can that be?

Let me tell you something else about trademarks. It is incumbent on the holder of the trademark to defend their trademark rights. They cannot simply turn their back and say "well it does not matter in this case". Failure to defend a trademark is one of the criteria to

"losing" the trademark.

Do you think HP is willing to give up the trademark?

Re: Nope!
*Message #6 Posted by **Viktor Toth** on 14 Nov 2000, 3:43 p.m.,*
in response to message #5 by Mike Davis

Mike,

The issue is not about putting a trademarked logo on a new product, but restoring the trademarked logo on an old one.

Viktor

Re: Nope!
*Message #7 Posted by **Dave Hicks** on 14 Nov 2000, 4:04 p.m.,*
in response to message #6 by Viktor Toth

Victor,

Most of the people in this thread are not talking about making their own labels.

I don't know if it's legal or illegal to make a brandnamed/trademarked label and keep it in your own home, but it may not matter much since they probably don't do random house searches where you live ;-)

Re: Again Nope!
*Message #8 Posted by **Mike Davis** on 15 Nov 2000, 9:29 a.m.,*
in response to message #6 by Viktor Toth

If you cut a piece of metal. Then add to it some text. And if that text is HP and their logo. And if you then sell that label.

Then it is NOT restoration. It is creating a new product and using someone else's trademark.

It IS Restoration if you took an existing HP label and touched up the ink.

It is NOT Restoration, if you create a new label and replace an existing one. And it is especially a trademark infringement, if you create and sell such a product.

Why would you think otherwise. Do you think anyone could sell such a label, if it said "Joe Blow Reproduction Label" instead of "Hewlett Packard".

Re: Again Nope!
*Message #9 Posted by **Viktor Toth** on 15 Nov 2000, 4:09 p.m.,*
in response to message #8 by Mike Davis

I wasn't talking about selling either labels, or labelled products; I was talking about making labels and using them on one's own calculator. With all due respect, I don't think there's any law on the planet that prevents me from restoring an HP logo on a calculator in my possession, or even replacing it with a TI logo if I am perverted enough to gain pleasure from such a despicable act.

Viktor

By chance I spoke with two attorneys
*Message #10 Posted by **Bob Henderson** on 15 Nov 2000, 4:32 p.m.,*
in response to message #9 by Viktor Toth

today who specialize in intellectual property law.

We were talking about things similar but not identical to this, but the impression I got was that it was illegal to do this even in your own home, but on a practical level, it's like making copies of rented video tapes: It's illegal, but as long as you keep quiet about it, nothing's going to happen.

Keep in mind that this is 2nd hand, I'm not a lawyer, and this legal advice is probably worth every penny that you paid for it.

Re: By chance I spoke with two attorneys

*Message #11 Posted by **Viktor Toth** on 15 Nov 2000, 6:16 p.m.,*

in response to message #10 by Bob Henderson

Well, I think the videotape analogy is misleading because there's a huge difference between copyrights and trademarks. For instance, when you buy a calculator, you are free to rent it out for money, or even hook it up to your Web site and let the public use it for a fee; when you buy a videotape, you're not allowed to do anything of the kind. In many jurisdictions, you're also free to reverse engineer your calculator (although that doesn't give you a license to violate patent rights, or for that matter, the copyright on embedded firmware code.) In fact, many of us HAVE reverse engineered our calculators, otherwise we wouldn't have been able to fix them in the absence of original parts and subassemblies.

Another difference is that when you watch an illegally copied videotape, you in fact deny rightful revenue to the copyright holder. The interests of the calculator maker, on the other hand, are not in any way harmed if you mutilate their product that is in your possession (at least as long as it remains in your possession.)

Now if you were to sell it, or even display it in public, that's another matter altogether! Which makes me wonder, since we've been talking about substituting defaced calculator images to discourage 'image thiefs' on eBay and elsewhere... couldn't HP rightfully argue that this not only violates their trademark in principle, but also represents tangible damage to their image and good name? But, at least in my entirely uninformed opinion (I am, after all, a programmer who only got involved with intellectual property issues marginally, when doing work for the Canadian Patent Office) it would be very difficult to make the same argument against someone who merely tries to restore a calculator.

Viktor

Re: By chance I spoke with two attorneys
*Message #12 Posted by **Bob Henderson** on 15 Nov 2000, 6:35 p.m.,*
in response to message #11 by Viktor Toth

You've read too much into my video tape analogy. That was my own analogy to show why you can often get away with things in the privacy of your own home. The lawyers never mentioned this.

Some of the interesting things I learned today include that there don't have to be any "actual damages". They can, for example, sue you for the fact that you forced them to waste their time to suing you! So you so you get to pay that in addition to their attorney's fees. The laws in this area are intentionally designed to be punitive rather than remedial because they don't want people assuming they can rip off someones brand and just pay a resonable fee if they get caught.

Clarification
*Message #13 Posted by **Todd Garabedian** on 15 Nov 2000, 9:00 p.m.,*
in response to message #12 by Bob Henderson

All,

I've been watching this debate for the last couple of days. As an Intellectual Property attorney, I can offer some insight which might clarify things.

First, the most likely reason Dave Hicks got a "No" answer when he asked HP if he could make duplicate labels was because HP would have no control over what calculators those labels got attached to. One purpose of a trademark is to provide an identifier to the consumers of a particular quality and source of goods. Someone who made duplicate labels with the HP logo and name could attach those labels to any $1.99 calculator from Walmart and pass it off as an HP unit, resulting in what we call "trademark dilution". That's illegal. I know if I was Counsel to HP, I'd put a stop to that immediately. It's bad for consumers and it's bad for HP.

Making NEW labels with the HP name and logo is not the same thing as restoring an EXISTING label on an old HP calc. You can

probably do the latter, but not the former depending on the situation. But mass production and sale of NEW labels with the HP name and logo without permission from HP will probably get you into trouble.

Todd E. Garabedian, Ph.D., J.D. Wiggin & Dana New Haven, CT

$1.99 HP calculators? Don't they have those already?
*Message #14 Posted by **Gene** on 16 Nov 2000, 9:49 a.m.,*
in response to message #13 by Todd Garabedian

With the HP6S stuff out there, how could HP's image be hurt any further by placing new labels on just about anything?

:-)

Gene

Re: By chance I spoke with two attorneys
*Message #15 Posted by **Viktor Toth** on 15 Nov 2000, 9:19 p.m.,*
in response to message #12 by Bob Henderson

> You've read too much into my video tape analogy.

I'm sorry, I didn't mean to imply that you meant the analogy to be this perfect, it was just a good starting point to ramble about the differences between copyright and trademark. Basically what I am saying (I am no lawyer, mind you, so I could be wrong) is that whereas copyright law prohibits the unauthorized copying of a work for any purpose (including, for instance, home viewing) no such prohibition exists for trademarks; a trademark has to be used to label something, sold, etc. before the trademark holder's rights can be considered infringed. In other words, if I copy a videotape or software package, I violate someone's rights, but I am free, for instance, to make a quality copy of the HP logo, enlarge it, frame it, and put it on the wall here in my home. Either that or I am wrong :-)

> sue you for the fact that you forced them to waste their time to suing you!

LOL! There are times when I am glad that I don't actually live in, just near, the United States :-)

Viktor (Canada)

Re: By chance I spoke with two attorneys
*Message #16 Posted by **Bob Henderson** on 15 Nov 2000, 10:21 p.m.,*
in response to message #15 by Viktor Toth

>> sue you for the fact that you forced them to waste their time to suing you!

>LOL! There are times when I am glad that I don't actually live in, just near, the United States :-)

Actually, I thought this was a good thing. It goes like this. Somebody steals your IP. You want to stop them but you have no actual damages because you can't prove that it actually cost you any money. Instead you sue for [can't remember the word] damages which basically says: we both know you did wrong, and it's up to me to go through the legal system to stop you so you're going to pay for my time spent making you do the right thing. If it weren't for this, I think people would be ripping each other off left and right.

The attorneys and I talked about both trademarks and copyrights - I don't recall any differences about being able to copy one for private use but not the other but I didn't specifically get into that. I did see the Kinko's thing below which says that they beleive you can't copy a trademark and I saw the thing from Todd which says it's PROBABLY OK to restore an EXISTING label. You can tell he's a lawyer - he clarifies with PROBABLY. :-)

They also told me that it's not necessary for something to be marked Copyright in order to be copyrighted, so the back labels could also be copyrighted. I'm not sure if they meant everything in the world is "copyright someone" or if it's just specific things. I didn't think to ask.

Re: By chance I spoke with two attorneys
*Message #17 Posted by **Viktor Toth** on 16 Nov 2000, 3:47 a.m.,*
in response to message #16 by Bob Henderson

Bob,

Don't get me wrong, I am all for the protection of IP rights; after all, I make a living writing software, and I'd be royally po'd if I found someone ripping off my code, even if he tries to defend his theft by stating that it was not for commercial use or whatever.

But sometimes I have the feeling that this thing is going a bit too far. My publisher, for instance, told me that it's a good idea not to put a comment block containing the author's name at the top of example programs that go on a CD accompanying a programming book, otherwise people will be reluctant to use the examples, fearing that they may be violating copyright. Examples from a book that is supposed to be teaching you Windows programming, for crying out loud!

Then there are those cases on the Internet that have gained notoriety, the most recent one is the shutdown of the MathWorld Web site (http://mathworld.wolfram.com/) because of a publisher's somewhat agressive interpretation of a contract as it concerned an author's prior, related work. It is these instances that sometimes make me think that we have become far too litigious (and unfortunately, the US appears to lead in this regard; hey, even the presidential election ended up in the courts!)

So here you have my solemn promise that I won't put HP logos on cheap Chinese calculators (HP is doing that already, sigh), I won't copy rental videotapes, and I won't run ripped off software on my computer. But if I find a way to replace a damaged or missing back label on an HP calculator in my collection, I'll do so without a second thought. (That said, should it come to pass that I ever sell, or trade, such a calculator, I consider it my duty to inform the buyer that the label isn't the original one; just as I

would make it clear if the calculator contained a card reader wheel that was replaced or a circuit that was repaired.)

Viktor

Lets talks about calculators please
*Message #18 Posted by **Dave Hicks** on 16 Nov 2000, 11:38 a.m.,*
in response to message #17 by Viktor Toth

I feel that this thread has moved into an area that isn't appropriate for this forum. What you do in your own home is, for the most part, your own business - at least until you announce it publicly. If you're interested in the details of the laws and changing them, you should consult with lawyers and legislators.

Re: Lets talks about calculators please
*Message #19 Posted by **Viktor Toth** on 16 Nov 2000, 6:05 p.m.,*
in response to message #18 by Dave Hicks

Dave,

I thought I WAS talking about calculators.

Be it far from me to argue with the moderator of this forum, but if you ask me to stop talking about what I do in my own home, I'll have to stop talking about calculators altogether, since the only place where I do anything with them is my home. I also happen to believe that the issue of label restoration is a legitimate issue (albeit one with legal implications) that is of interest to many visitors here. If you ask me to shut up, I'll do so but under protest: if this world has come to the point that we cannot even discuss restoring a label on a vintage calculator because of our fear of corporate lawyers, we're in really big trouble! What is it going to be next time, are we going to throw kids in jail because they "build" a calculator out of

cardboard and draw an HP logo on it?

Viktor

Welcome to the Internet
*Message #20 Posted by **Dave Hicks** on 16 Nov 2000, 8:04 p.m.,*
in response to message #19 by Viktor Toth

You're not talking in your own home Victor, you're talking in public on a forum that I own and moderate. This is the first time I have ever felt the need to intervene and I hope it will be the last.

Re: Welcome to the Internet
*Message #21 Posted by **Viktor Toth** on 16 Nov 2000, 8:56 p.m.,*
in response to message #20 by Dave Hicks

Dave,

First of all, let me state clearly that I appreciate your efforts to bring this forum to all of us, and despite your 'Welcome to the Internet' message, I've been on the Internet long enough to know that I can't argue for free speech on a privately owned Web site; you, as owner, are free to decide what is appropriate here and what isn't.

But I fail to see what was SO inappropriate about my postings here that you felt the need to intervene for the 'first time ever'. To the best of my knowledge, I haven't insulted anyone. My postings were not off-topic, they were most decidedly on a topic that generated a lot of interest (I and others may have illustrated our point with analogies that would themselves be off-topic, but we never strayed far from the issue of the legality of restoring calculator

labels.) I did not use your board for an inappropriate purpose, such as advertising or harvesting e-mail addresses. I did not engage in, nor did I encourage others to commit, an illegal activity. I have expressed a personal opinion on a legal matter; I believe I am right, but even if I am wrong, last time I checked you are allowed to be wrong.

So to be honest, I feel somewhat offended that you picked my postings as the 'first time ever' precedent to intervene; don't get me wrong, I'm not trying to play jailhouse lawyer here, but I am not sure if I am simply missing something here, or perhaps I was grossly misunderstood?

Viktor

Re: Welcome to the Internet
*Message #22 Posted by **Dave Hicks** on 16 Nov 2000, 9:06 p.m.,*
in response to message #21 by Viktor Toth

I'm sorry you're offended Victor. As I have already stated, I don't feel that this thread is a good fit for the forum.

Re: Welcome to the Internet
*Message #23 Posted by **Viktor Toth** on 16 Nov 2000, 9:32 p.m.,*
in response to message #22 by Dave Hicks

Fair enough, Dave. I'll try to restrain myself in the future and limit my contributions to technical discussions.

Viktor

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HP 65 and 67 label reproductions
*Message #1 Posted by **Peter** on 13 Nov 2000, 11:21 a.m.*

I have researched the possibility of getting reproduction metal back labels made for the HP 65 and HP 67. I have found a printer who says that they could accurately duplicate these labels. They have a minimum order of 1000 for $280.

Any one out there have any idea how much of a demand there might be for these labels? I would consider having this done if I thought I could recoup the cost of having the labels made by selling some or all of the excess.

Re: HP 65 and 67 label reproductions
*Message #2 Posted by **Katie** on 13 Nov 2000, 11:33 a.m.,*
in response to message #1 by Peter

Peter,

I'd certainly be interested in about a dozen of each.

I've also received email from Ben Ong about replacement HP calculator labels that he has already made. Has anyone here purchased some of him, how do they look?

-Katie

Re: HP 65 and 67 label reproductions
*Message #3 Posted by **Viktor Toth** on 13 Nov 2000, 12:59 p.m.,*
in response to message #2 by Katie

Katie,

I received some sample labels from Ben Ong and I must say that they are quite beautiful. Upon very close examination, I was able to notice only two differences:

1. The material used for the back label is thicker than the original (this is not something you'd actually see when it's attached, and indeed, it may actually make it easier to gain access to the back screws without ruining the label.)

2. One of the colors (a yellow color) was ever so slightly off from the original.

These differences are so minor, however, it certainly didn't prevent me from asking Ben for more labels :-)

Viktor

Re: HP 65 and 67 label reproductions
*Message #4 Posted by **Peter** on 13 Nov 2000, 1:09 p.m.,*
in response to message #2 by Katie

Can anyone tell me how to get in touch with Ben Ong? I would like to get some of the HP-67 labels from him. If I get some, then I'll just need to look into getting some HP-65 labels made. -- Peter

Re: HP 65 and 67 label reproductions
*Message #5 Posted by **Greg Harris** on 14 Nov 2000, 1:55 a.m.,*
in response to message #2 by Katie

I recently purchased an excellent condition HP-80 on ebay, with one minor flaw the label was missing off the calculator.

A few days later I received the following note from Ben Ong in Malaysia... "I'm writing this to you to let you know that I specialise in producing HP calc labels for the Classic and Wookstock series. If you are interested to touch up the above with a replacement label, please let me know. I've been successfully reproduce many of these labels”

I let him know that yes I would be interested, and to please supply me a label. The label arrived a few days ago. I am very pleased with it! It has a peel off backing, that simply sticks to the calculator. I do not have another HP80 to compare with it with, but comparisons to other my classic series calculators make me feel that the size, colour and lettering all look to be good quality reproductions of the original.

Re: HP 65 and 67 label reproductions
*Message #6 Posted by **Erik Wahlin** on 13 Nov 2000, 12:32 p.m.,*
in response to message #1 by Peter

Hi, I have a couple unused original HP-67 "made in USA" ones left. I could lend you one if it would help them make the labels. I would really be intersted in "Made in Singapore" labels though. Have you put any thought about that yet? I also would be interested in the HP-65 labels.

HP request on duplicate labels
*Message #7 Posted by **Dave Hicks** on 13 Nov 2000, 1:38 p.m.,*
in response to message #1 by Peter

Please make sure that any label reproductions don't include HP, HP Logos or "Hewlett Packard". Ben Ong already knows about this but I wanted to make sure that it was widely understood.

Re: HP request on duplicate labels
*Message #8 Posted by **Erik Wahlin** on 13 Nov 2000, 2:46 p.m.,*
in response to message #7 by Dave Hicks

I guess that rules out the HP-65 label unless permission is granted.

It doesn't rule out the whole label
*Message #9 Posted by **Dave Hicks** on 14 Nov 2000, 2:08 p.m.,*
in response to message #8 by Erik Wahlin

It just rules out the parts that say "Hewlett-Packard" etc.

With a little image editing, you could remove that, replace it with your own name or just recenter what's left and print the labels.

I recommend placing your own name or mark where HP's are so we don't have people asking about label variations in a few years ;-)

Some words from what is probably an expert source
*Message #10 Posted by **Jim L** on 14 Nov 2000, 11:33 p.m.,*
in response to message #1 by Peter

I Just happened to be in a Kinko's (registered trademark) today and while standing in line, I read their "copying guidelines" brochure which said:

"Names, words, logos and designs used to identify services or products such as "KINKO'S", are considered trademarks or service marks. The owner of a trademark or service mark has the exclusive right to reproduce it. Kinko's Copying Guidelines on trademarks and service marks is designed to uphold the law and requires written permission from the owner to reproduce any trademark or service mark"...

Removal of labels-- impossible?
*Message #11 Posted by **Glynn** on 15 Nov 2000, 1:06 a.m.,*
in response to message #1 by Peter

I do not have a 65/67 (yet), but have heard that removing the labels inevitably destroys the label. I'm guessing that this is just printed aluminum foil with a permanent adhesive on the back.

Has anyone tried a 'Goo-Gone' soak? A heat-gun melt? Thread or small nylon fishing line underneath, dental-tool spatulas or a combination of all the above?

Is it a matter primarily of the paint/ink, or rippling the foil?

Lots of this sort of printed foil labels are made for "security" purposes, to expose items that have been tampered with by the user... was this HP's intent?

Has anyone successfully removed a label without messing it up?

Re: Removal of labels-- impossible?
*Message #12 Posted by **Peter** on 15 Nov 2000, 9:44 a.m.,*
in response to message #11 by Glynn

I have tried dental floss with isopropyl and managed to get the label off intact. It always ends up a bit warped and bubbled though and I am not sure how to get it perfectly flat again.

Re: Removal of labels-- impossible?

*Message #13 Posted by **Dave Hicks** on 15 Nov 2000, 10:58 a.m.,*

in response to message #11 by Glynn

Someone (Steve Loboyko?) told me that he had achieved perfection multiple times by using a heat gun and patience.

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PPC ROM, CCD ROM or ZENROM
*Message #1 Posted by **ALBERT** on 13 Nov 2000, 10:15 a.m.*

Hi all

Is it possible to find these ROMS somewhere in the world ... or maybe elsewhere in the galaxy ??? It seems to be a little difficult ..... I have never seen an auction on eBAY.

Fred

Re: PPC ROM, CCD ROM or ZENROM
*Message #2 Posted by **Peter** on 13 Nov 2000, 11:07 a.m.,*
in response to message #1 by ALBERT

A HP 41CX with a PPC ROM in it recently sold on eBay for $255.

See: http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=483632808

What's it worth to you?
*Message #3 Posted by **DanM** on 13 Nov 2000, 12:05 p.m.,*
in response to message #1 by ALBERT

There's a PPC ROM in Thibaut's $1300 collection currently on ebay... along with a bunch of other stuff...

Re: What's it worth to you?
*Message #4 Posted by **Thibaut.be** on 13 Nov 2000, 4:43 p.m.,*
in response to message #3 by DanM

yeah... and if it does not sell, you'll see it listed on ebay with the memory module and the x functions module !

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9825 Doc Request
*Message #1 Posted by **Katie** on 13 Nov 2000, 1:05 a.m.*

Does anyone know of an on-line (or otherwise accessible) quick reference guide (or just a list of commands and syntax) for the 9825? There's to be a complete lack of documentation on this machine on the CD-ROM set, and yet this seems to be a pretty common calculator.

Thanks,

Katie

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46 Printer Problem

*Message #1 Posted by **Katie** on 12 Nov 2000, 11:40 p.m.*

Hi all,

I'm in need of some repair advice. I have an HP-46 that's in fine shape except that the printer sometimes prints the wrong data! Specifically, every few lines it will print one or more characters that are one position past (on the print wheel) what it should be printing in that position. For example, instead of a "1" you might get a "2" once in a while. The problem occurs more frequently when the digits are sequential (i.e., 1.23456789) and hardly ever occurs when they're all the same (e. g., 8.888888888). Also, it almost always occurs (on one or two lines) when printing the list of registers regardless of their contents.

I gave the printer mechanism a really good cleaning and lubrication, but this had no affect other than to make it a bit quieter. So I don't think it's a mechanical problem. Any idea of what's wrong here? Is the printer logic somehow losing track of the position of the print wheel? Are their speed/timing adjustments that can be made to the circuit? (The problem does seem to occur more often when the printing is fast, like in the case of the register listing.)

I've looked through the 9805 service manual (it's got a very similar printer), but it's no help at all.

Thanks,

Katie

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HP-41 vs "The First Handheld" - Just for fun
*Message #1 Posted by **Mike Davis** on 12 Nov 2000, 12:51 p.m.*

Don't be offended if the Sharp EL-8 is not really the first handheld. I have seen it referred to as such but don't know for sure.

I recently obtained one and thought the comparrison between the HP-41 and the Sharp EL-8 was interesting.

I took a few photos for those who would like to take a look.

http://www.halcyon.com/ipscone/el8/myel8.html

Sorry for being a bit off-topic

Re: HP-41 vs "The First Handheld" - Just for fun
*Message #2 Posted by **Ron Ross** on 12 Nov 2000, 5:51 p.m.,*
in response to message #1 by Mike Davis

So What? It allows us calc geeks to remember our other calcs. I own a casic Fx-10, perhaps casio's first trig function calc. No precidence and six digit accuracy and half zeros like the Sharp you mention. A good calc for its time but I like my older Hp's more(though it may be as or more difficult to find since it doesn't/didn't have the value associated with HP's). The very first handheld belongs to Ti (four function that is, but I could be mistaken.

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Question on HP41CV
*Message #1 Posted by **Iqbal** on 11 Nov 2000, 3:33 p.m.*

I recently purchased a HP41CV Blanknut from a guy who said it had been stored away for the last 15 years. The buttons have a nice feel to it, but I have a problem with the on/off switch. It is not as soft as the user/ alpha or program keys. Could I spray it with something? Or will it have to be opened? thanks, Iqbal

Re: Question on HP41CV
*Message #2 Posted by **John Robinson** on 13 Nov 2000, 12:15 a.m.,*
in response to message #1 by Iqbal

I have sprayed from behind the switch, through the tiny hole with a good quality circuit board cleaner with good success for this kind of problem.

Re: Question on HP41CV
*Message #3 Posted by **Iqbal** on 13 Nov 2000, 6:11 a.m.,*
in response to message #2 by John Robinson

Thanks John, So I would need to open the calculator or can I spray it from the outside? Thanks again, Iqbal

Re: Question on HP41CV
*Message #4 Posted by **Gianmaria (Italy)** on 13 Nov 2000, 12:25 p.m.,*
in response to message #3 by Iqbal

I opened one of my HP-41 series and I gained access behind the keyboard. All the keys are absolutely sealed (see this photo: http://utenti.tripod.it/gianmaria/hp41.JPG) and very different from the "Clasic" series keys, so in my opinion to spray anything should have no effect.

Re: Question on HP41CV
*Message #5 Posted by **db (martinez, california)** on 13 Nov 2000, 7:23 p.m.,*
in response to message #3 by Iqbal

from the inside with tv tuner cleaner. carbon tet works but it can bleach out the keyboard face.

Re: Question on HP41CV
*Message #6 Posted by **John Robinson** on 13 Nov 2000, 7:35 p.m.,*
in response to message #3 by Iqbal

Iqbal,

You need to open the calc, lay it face down, locate the small hole behind the "switch" if interest, and give it a squirt through the tube you get with spray pacs. It may not be immediately better, in fact it may be worse initially, but some "exercise" will make it as good if not better than before, hopefully better !!. Cheers - John

---

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An odd tag
*Message #1 Posted by **Matthew Riehl (U.S.A.)** on 10 Nov 2000, 11:39 p.m.*

I saw an HP-75 with a tag/plate on the front that says "HP 10833B". It looks like an offical Hewlett Packard metal plate (the HP is the standard HP logo). Anyone know what this means?

Matt Riehl

Re: An odd tag
*Message #2 Posted by **Glynn** on 11 Nov 2000, 1:00 a.m.,*
in response to message #1 by Matthew Riehl (U.S.A.)

Hmmm.... this doesn't seem to make sense.

I thought it might have had a plug-in module on the front, BUT the part number you say it says refers to a HP-IB (IEEE-488) cable, NOT a part that relates to the 75 computer.

Perhaps it is stuck on there by mistake, or to cover a scratch? :-)

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$1300! I've got a nice bridge for sale
*Message #1 Posted by **Steve (Australia)** on 10 Nov 2000, 7:39 p.m.*

Has anyone checked out the "HP41 Collection" on ebay at the moment with an opening bid price of $1300.

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=493332584

At those sort of prices I could retire...

If anyone thinks this is a good deal, then may I also suggest that I can take deposits on the Sydney Harbour Bridge. Now that the Olympics are over the structure is no longer needed and would be a good buy for an astute bidder.

Please be warned that shipping will be additional to the purchase price.

Re: $1300! I've got a nice bridge for sale
*Message #2 Posted by **Thibaut.be** on 13 Nov 2000, 12:51 p.m.,*
in response to message #1 by Steve (Australia)

Well, this is my collection you're talking about....

Sure, USD 1300 is a lot of money, but take all elements individually, estimate how much it would sell taking into account the latest ebay prices, and look at the figure you get...

I have decided to sell it as a whole, but it seems to be unsuccessful up to now... So rendez-vous in 2 days to see it sold splitted up !

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Copycat !
*Message #1 Posted by **thibaut.be** on 10 Nov 2000, 8:07 a.m.*

Have a look at this auction : http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=494884939 . The seller thought easy to copy the picture out of one of my listings... I'd like to play a gentle trick on him : does anyone have a picture of a really really bad looking 41 ?

Re: Copycat !
*Message #2 Posted by **Frank** on 10 Nov 2000, 9:30 a.m.,*
in response to message #1 by thibaut.be

Yes, we need one that's in pieces! ;+}

Re: Copycat !
*Message #3 Posted by **Steve (Australia)** on 10 Nov 2000, 5:36 p.m.,*
in response to message #2 by Frank

Find a suitable "adult" image and indert a caption over it saying "press my buttons"

:-)

Or

find a picture of bart simpson and the blackboard and change the writing to "I will not steal images".

or

Use a paint package to draw an HP41

or

Simply send him an email that says you charge $10 per day for authorised use of your images. For unauthorised use you charge triple this. Consequently you will be invoicing him for $210 for the use of the image, unless he pulls the auction early. In any case he already up for $30. If he can come to some arrangement, then he will only have to pay you $10 per day following the agreement. Tell him the fee is payable no matter what image he takes from you. Then update the image to say "Stolen from ..."

Re: Copycat !
*Message #4 Posted by **db (martinez, california)** on 11 Nov 2000, 12:30 a.m.,*
in response to message #3 by Steve (Australia)

so i finally looked at the devils tool: e-bay. forget the 41's, how 'bout thoes dukes 'o hazard calcers!! betcha them little hunnies come with a manual. course yall gotta move yer lips when ya read it.

Re: Copycat !
*Message #5 Posted by **Thibaut.be** on 13 Nov 2000, 4:52 p.m.,*
in response to message #4 by db (martinez, california)

So the guy copied the image on antoher source and pointed this source.

I sent him an email, asking him at least to get my authorization to proceed so, but no responde up to now...

Here is his email. Feel free to tell him what you think about that...

jnoteast@cs.com <jnoteast@cs.com>

Thibaut

Re: Copycat !
*Message #6 Posted by **Viktor Toth** on 13 Nov 2000, 10:08 p.m.,*
in response to message #5 by Thibaut.be

Thibaut,

May I suggest that if you cannot change the image yourself, you contact eBay's Safeharbor and explain to them that the seller is using an unauthorized image. I'm not always happy with Safeharbor, but they seem to be responsive to these kinds of complaints.

Viktor

Re: Copycat !
*Message #7 Posted by **Thibaut.be** on 14 Nov 2000, 6:39 a.m.,*
in response to message #6 by Viktor Toth

done...

Let's wait and see their reaction...

Re: Copycat !
*Message #8 Posted by **Gianmaria (Italy)** on 11 Nov 2000, 2:47 a.m.,*
in response to message #1 by thibaut.be

Hello Thibaut, first of all congratulations for your wonderful HP-41 collection!

About the stolen image, you could take a look here and use one of these image of a "naked" 41:

http://utenti.tripod.it/gianmaria/hp41.JPG

and

http://utenti.tripod.it/gianmaria/hp41.1.JPG

feel free to use them if you want... it will be very difficult for the seller to persuade the bidder about the NIB conditions of the 41 :-)

Best Regards! Gian

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Vertical Curves Program
*Message #1 Posted by **Joe Silvestro** on 10 Nov 2000, 1:33 a.m.*

Hello All, I need the program that will calculate vertical curve alignments for roads for the HP 41CV. Is this still available??

Re: Vertical Curves Program
*Message #2 Posted by **db (martinez, california)** on 11 Nov 2000, 12:46 a.m.,*
in response to message #1 by Joe Silvestro

the best v c program ever written for any calculator is the one in the hp survey pac. if you don't have it you can use someone elses and execute copy for it and all the subroutinesit uses, and pull it out. then change the exrom's to exq ____ comands everywhere that the program stops. if you need a program that will do unequal tangent v c 's send me your real world address and i'll look for a program someone at macay & somps wrote about 18 years ago and send you a photocopy. if you use d'zign software's slope stake program you can ask ted to give you the short program i gave him that does v c 's using his subroutines for that program. i dont have it any more.

Re: Vertical Curves Program
*Message #3 Posted by **Dave, the "lostrabbit"** on 13 Nov 2000, 5:30 p.m.,*
in response to message #1 by Joe Silvestro

Joe,

I have the vertical curve program from the survey pac on a magnetic card or two. If you have a card reader I'll send them or a copy to you. You do have a "working" card reader, don't you? If not I have a few of those also!

Best Regards, Dave Huff, RPLS MS,TN Brandon, MS the "lostrabbit"

Re: Vertical Curves Program

*Message #4 Posted by **Bill S.** on 14 Nov 2000, 12:40 p.m.,*

in response to message #1 by Joe Silvestro

it may not be convenient, but if you can wait for snail mail, i could loan you my survey pac (ROM and manual). then you could copy the relevant programs from the ROM into your 41CV. alternatively, i could make a stab at copying them myself, and emailing you the text, lif, whatever file. i've had good success archiving my own programs through HP-IL onto a PC.

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Digital Data Cassette Drive
*Message #1 Posted by **Mike Davis** on 9 Nov 2000, 7:37 p.m.*

Is it possible to get digital data cassettes for the Digital Data Cassette Drive 82161A?

Any substitute? Source?

Thanks

Re: Digital Data Cassette Drive
*Message #2 Posted by **db (martinez, california)** on 9 Nov 2000, 9:36 p.m.,*
in response to message #1 by Mike Davis

ask jim carter at jimeducalc@tio.com

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Small power sticker between foot pads
*Message #1 Posted by **Mike Davis** on 9 Nov 2000, 7:32 p.m.*

I have seen 3 HP-67s lately that have no sticker between the two foot pads at the bottom back of the calculator. This is the sticker that says Hewlett Packard 500mW, etc.

Is that a common thing to have NO sticker. These all three do not appear to be removed stickers. It looks like they were never put on the calculator.

All three were from very different sources.

Mike

Re: Small power sticker between foot pads
*Message #2 Posted by **Erik Wahlin** on 9 Nov 2000, 9:30 p.m.,*
in response to message #1 by Mike Davis

Mike, I bought my HP-67 new back in June '77 and I know that it never had that sticker. I think most HP-65's had the sticker however. Some (eary ones?) had the serial # between the pads. The HP-67 has the serial # engraved on the back instead of a sticker like the HP-65.

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HP 32E
*Message #1 Posted by **Alex** on 9 Nov 2000, 10:58 a.m.*

Hello all, I have an HP 32 E that displays a comma instead of a decimal point (I know how to change it on an HP15- but not on an older LED type calculator). Any ideas on how to change it? Thank you in advance.

Re: HP 32E
*Message #2 Posted by **ALBERT** on 9 Nov 2000, 11:25 a.m.,*
in response to message #1 by Alex

Hello Alex,

I found that in the "BUG" section of the museum : it seems there may be a jumper (inside the calc) to switch the mode .

Just have to try it.

(Et un petit mot en francais pour saluer tous les amoureux de ces merveilleuses petites machines que sont les calculatrices HP de nos jeunes années .... et de nos plus vieilles)

{I'm obliged to translate for english speaken people if i want to avoid the censors : and just some words to wave at all the lovers of these marvelous little machines that are the HP calculators of our youth .... and the others)

I hope that my english is not too bad ....

Comma and Dot Variations

Some HP calculators made for the European market had the commas and dots reversed as compared to their American counterparts. The 20 series used two different displays with the decimals being either square or triangular. The triangular decimals could be interpreted as either dots or commas and so were sold in both the US and Europe. The 30 series models had a

jumper change between European and U.S. comma/point formats. (Many later models can be switched by the user.)

Fred

Re: HP 32E
*Message #3 Posted by **Katie** on 10 Nov 2000, 12:21 a.m.,*
in response to message #2 by ALBERT

The jumper is on the power supply board on all the 3x series machines that I've seen. Looking at the component side of the board, it's right above where the flex circuit connects to the board. The jumper is present (i.e., shorted) for US and absent (i.e, open) for Europe.

-Katie

Re: HP 32E
*Message #4 Posted by **Alex** on 10 Nov 2000, 9:57 a.m.,*
in response to message #3 by Katie

Thanks to everyone for all the support and the quick responses to my question! :)

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HP34C chip placement
*Message #1 Posted by **David Dawson** on 9 Nov 2000, 4:18 a.m.*

(I'm kicking myself over this one) I have a 34C which I opened up and (stupidly) didn't note the chip placement....so now I need a diagram or instructions to place the chips in the proper places and orientation (or try the (2^4) *3! possible combinations! Could anybody supply the info for me? Thanks. ...Dave

Re: HP34C chip placement
*Message #2 Posted by **Wayne Brown (USA)** on 9 Nov 2000, 6:43 a.m.,*
in response to message #1 by David Dawson

There's a picture right here on the Museum, in the Technology and Packaging section under the 34C description page. It may not have enough detail to distinguish the chips from one another, although I think you can see the correct orientation. Perhaps someone with a 34C can give more details?

Anyway, the URL for the picture is: http://www.hpmuseum.org/30comp.jpg

Re: HP34C chip placement
*Message #3 Posted by **David Dawson** on 10 Nov 2000, 1:51 a.m.,*
in response to message #2 by Wayne Brown (USA)

Thanks, at least that will make it 16 times simpler! I'm rather worried about the static sensitivity, so if I can do it in one try I'd like to. ...Dave

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I Need User Manual For Hp 48G+
*Message #1 Posted by **Loopback** on 8 Nov 2000, 9:28 a.m.*

I Would Thnak If Somebody Could send me a manual for HP 48 G+ Calc. or Any Information where i can find it..

Re: I Need User Manual For Hp 48G+
*Message #2 Posted by **Jim L** on 8 Nov 2000, 11:47 a.m.,*
in response to message #1 by Loopback

You can get this from HP. In the US call Hewlett-Packard's Support Materials Organization at 800-227-8164 or see your local dealer.

If you want a used manual, try the classified ads page on this site and ebay.

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HP classics-screws
*Message #1 Posted by **Erik Wahlin** on 7 Nov 2000, 12:01 p.m.*

Has anyone ever been able to locate a supplier of the self tapping screws used in the classic, wood stock, spice etc.. calculators. They appear to be a #3 sheet metal screw with pan head. Most of the bolt/screw suppliers I have talked to say that #3's (except for maybe wood screws) are very uncommon. It may be that HP had these specially made for their use.

Re: HP classics-screws
*Message #2 Posted by **Joe R.** on 8 Nov 2000, 7:34 a.m.,*
in response to message #1 by Erik Wahlin

Erik,

I don't know if you're aware of it or not but HP used slightly longer screws in the later 41s. They also called out the longer screws in the service manual and suggested that they could be used to repair some problems in the 41s. I've done a lot of work on the 41s and I've been trying to find a source of both the standard screws and the longer ones for some time. I've visited a number of suppliers and none of them had that type screw. Several could order them for me but only in quantities of 100,000! And that's would only be one size! Needless to say the cost is prohibative, 100,000 x $.02 = $2,000 for each size!

Re: HP classics-screws
*Message #3 Posted by **Joe Panico** on 8 Nov 2000, 4:25 p.m.,*
in response to message #1 by Erik Wahlin

Um ... I never seem to pass-up a bad pun ....

HP Classic screws are available on Ebay!

(And BAD pun too!)

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71B Function Question
*Message #1 Posted by **Mike** on 7 Nov 2000, 10:32 a.m.*

Is there any APPT capability on the 71B like there is on the 75 series?

Re: 71B Function Question
*Message #2 Posted by **Reinhard Hawel** on 7 Nov 2000, 1:55 p.m.,*
in response to message #1 by Mike

nope

Re: 71B Function Question
Message #3 Posted by ------- on 8 Nov 2000, 7:37 a.m.,
in response to message #1 by Mike

Only if you write your own. There is no clock in the 71, only three countdown (or up) counters. You must write your own time entry and display functions, time keeping function, alarm setting and comparision, etc.

Re: Sure there is a clock
*Message #4 Posted by **Mike Davis** on 8 Nov 2000, 3:35 p.m.,*
in response to message #3 by -------

Why would they have SETTIME and SETDATE if there was not clock or time? They also have a Calendar section in the manual but I just did not find any mention of an alarm or appointment.

I also noticed that there is a ((*)) annunciator for alarm like there is on other calcualtors but it is marked as "future enhancement". I guess that function might have been planned but left off.

Oh well...

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Batteries for HP-75 / HP-110 / HP-9114A
*Message #1 Posted by **Kelvin Hales** on 7 Nov 2000, 6:42 a.m.*

Batteries for HP-75 / HP-110 / HP-9114A I've recently had to research (here and elsewhere) replacement batteries for all these machines. Here's a summary of what I've found, which might be especially useful for those outside the USA: HP-75C (& Classics) HP 82001A/B: AA NiCd with Tags are available as Cat No. VN39 from http://www.maplin.co.uk

HP-110 (Portable Plus): packs are available at URL: http://www.batteries.com/productprofile.asp?appid=186178&SID=NO0967628TY0593949

HP-9114A: I couldn't find a 6V 2.4Ah replacement for the Panasonic LC-R0624RPU (www.digikey.com, mentioned in this forum in March, seem to have sold all their stock). However, I found that the slightly smaller 6V 1.2Ah Cat No YJ67 from http://www.maplin.co.uk will fit neatly into the case with no or minimal soldering (it has push-on tags). Hope this helps someone.

Re: Batteries for HP-75 / HP-110 / HP-9114A
*Message #2 Posted by **Katie** on 7 Nov 2000, 11:35 p.m.,*
in response to message #1 by Kelvin Hales

Kevin,

Check out H&R, they're a surplus electronics dealer and sell a Panasonic 2.4A 6V battery for $14.95 (they don't state the model number, but do give the dimensions). Here's the URL: http://www.herbach.com/images/battery.pdf

-Katie

Re: Batteries for HP-75 / HP-110 / HP-9114A

*Message #3 Posted by **Kelvin Hales** on 8 Nov 2000, 4:43 a.m.,*

in response to message #2 by Katie

Thank you for the lead. (Unfortunately there is a $100 minimum order for international sales; but maybe in an emergency!)

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Teal-Green HP-10B availability
*Message #1 Posted by **Peter Khor** on 6 Nov 2000, 8:28 p.m.*

Call me an alarmist, but has anyone seen the newer teal/green 10B lately?!(not the 10BII) They were here locally on the shelves (in droves) at Wal-Marts, Office Depot, etc about 2 months back, and then they ALL dissapeared ~2 weeks ago - All that are left are the orange labeled 10B's. I did casually ask a store clerk, and he muttered something about sending the whole lot back to distribution. Just wondering ...

Re: Teal-Green HP-10B availability
*Message #2 Posted by **Tom (UK)** on 7 Nov 2000, 7:31 a.m.,*
in response to message #1 by Peter Khor

I think somewhere in HP there has been a mixup of serious proportions. The fact that the HP10Bii apeared as an official page on the HP web site (and has since disapeared without trace) has let the cat out of the bag (an English saying).

I don't think HP wanted the HP10Bii version advertised before they had sold off all the old HP10B calc's (in the new colors to help sales). This is a very old sales technique to get rid of stock - jazz up the last run of the product. (Does this mean the end of the HP32Sii??? - I hope not)

Perhaps HP could rebuild all those recalled HP10B's as HP42S..... You would only need a new display, new circuit board, reprint the keyboard etc. etc!

This is all just a conspiricy theory but the evidence so far does point this way.

Re: 10BII appeared again
*Message #3 Posted by **kynes** on 7 Nov 2000, 11:19 a.m.,*
in response to message #2 by Tom (UK)

The 10BII is back! Under

http://www.hp.com/calculators/go/10bii/

you can download an emulator, until November 15 or so. Probably HP starts selling the 10BII really the next weeks. And probably the next 32SII (32SIII ? - if it comes) got a design similar this 10BII.

Re: 10BII appeared again
*Message #4 Posted by **Frank Knight** on 7 Nov 2000, 2:24 p.m.,*
in response to message #3 by kynes

Case seems similar to that on the 30S, a cost (but perhaps not price?)reduction model for sure!

Re: 10BII appeared again
*Message #5 Posted by **GE (France)** on 9 Nov 2000, 3:30 a.m.,*
in response to message #3 by kynes

The 10BII is very different from the 30S, the latter having a lot more keys and a very cheap feel.

The physical layout of the keyboard differs from the 10B as it sports no double-sized [Enter] key. Also the display is 7-segment.

So all in all, a 32SIII is doable as HP did with the previous series, but with changes the order of magnitude of those between a 20S and a 32S.

I like the new hardware platform, apart from some fears regarding the keyboard reliability on the long run. We'll see.

P.S. : Why did you all drop the " (I'm from ZygwoLand)" postfix policy ?

Re: 10BII appeared again
*Message #6 Posted by **Frank Knight** on 9 Nov 2000, 10:47 a.m.,*
in response to message #5 by GE (France)

Having not held a 10BII (can't find yet?) but having a 30S, after loading the simulator, it strikes me that the cases are similar in design as one might expect for a product line migration.

Teal-Green HP-10B availability and Shelf Space
*Message #7 Posted by **Dan M (New England, USA)** on 9 Nov 2000, 6:23 p.m.,*
in response to message #1 by Peter Khor

I just spent an entertaining hour or so browsing a Staples store near me. They had several "teal/green" 10Bs, or so it appeared to my colour-blind eyes. I had no problems with the contrast, but am totally unfamiliar with the "old-style" colours, so can't really compare the two. They also had a few HP-30's. There was a spot on the display rack marked for the HP-12, but none were visible anywhere.

It was interesting to note that the 10B comes packaged with a booklet of sorts, possibly a "manual"(?) while the 30 only has some cool-coloured faceplates with it, and no instructions.

TI has the shelf space sewn up like crazy, including about 4' wide of pegboard with nothing but TI-82's from top to bottom, adjacent to 2' of other TI calcs. No sign of the HP-49 or anything else (except maybe the 6's, but I didn't sort through the mobs of $3.99 calcs to see if they were lurking there somewhere).

So... as far as shelf space and availability... it seems the battles are being/have been fought and the winner is obvious.

Good Luck for the future, HP, it seems you need a lot of it.

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9805A
*Message #1 Posted by **Karlheinz** on 5 Nov 2000, 12:09 p.m.*

Hi all, I found a 9805A, Serial#1304A00151. Is that calculator worht something ? Thank you Karlheinz Germany

Re: 9805A
*Message #2 Posted by **Viktor Toth** on 5 Nov 2000, 1:54 p.m.,*
in response to message #1 by Karlheinz

No, it's not worth a penny, but I have a friend in Germany, and I'm sure I can ask him to help free you from the burden of having it occupy too much space in your home :-)

Seriously, the 9805 is listed as "extremely difficult" to obtain here at the MoHPC Web site, so I am sure there are a few collectors out there who're willing to pay more than a pretty penny for it!

Viktor

Re: 9805A
*Message #3 Posted by **Karlheinz** on 5 Nov 2000, 3:08 p.m.,*
in response to message #2 by Viktor Toth

victor, I found that pricelist now also...AND I allready was in contact with someone who was interested. let's see what happens thanx anyway karlheinz

Re: 9805A - victor;
*Message #4 Posted by **db (martinez, california)** on 5 Nov 2000, 8:00 p.m.,*
in response to message #3 by Karlheinz

victor; did you ever get the idea that your subtle yet piquant humor was not being appreciated to it's fullest level?

Re: 9805A - victor;
*Message #5 Posted by **Viktor Toth** on 5 Nov 2000, 10:49 p.m.,*
in response to message #4 by db (martinez, california)

I'm the first to admit that my humor isn't great (hey, I'm just a programmer, not a presidential candidate or something), although I fail to see what was 'piquant' about it. But at least I was talking about the subject at hand, namely the value of an HP-9805A, not about other contributors' style. I'd like to respectfully request that you do the same and not turn this site into another Usenet newsgroup. If you wish to continue with a personal attack (it MUST be that election season in the US!) please use my e-mail: vttoth @ vttoth.com.

Viktor

Re: 9805A - victor;
*Message #6 Posted by **Reinhard Hawel (Austria)** on 5 Nov 2000, 11:40 p.m.,*
in response to message #5 by Viktor Toth

I like your sense of humor. Maybe it's because we both grew up in middle Europe :-)

Re: 9805A - viKtor;
*Message #7 Posted by **Nenad Vulic (Croatia)** on 6 Nov 2000, 3:14 a.m.,*
in response to message #6 by Reinhard Hawel (Austria)

I fully agree with Reinhard (maybe for the same reason).

Re: 9805A - viKtor;
*Message #8 Posted by **Viktor Toth** on 6 Nov 2000, 9:20 a.m.,*
in response to message #7 by Nenad Vulic (Croatia)

Hey, guys, thanks for the support! Yes, I agree, it must be that Middle Europe thing... one had to have a sense of humor to endure there. Then again, the fact that I left when I had the chance might indicate that my sense of humor is indeed underdeveloped... :-(

Viktor

Re: 9805A - viKtor;
*Message #9 Posted by **Reinhard Hawel (Austria)** on 6 Nov 2000, 4:33 p.m.,*
in response to message #8 by Viktor Toth

Seems that your intelligence is much higher than ours, just because you left Europe :-)

Re: 9805A - viKtor;
*Message #10 Posted by **Viktor Toth** on 7 Nov 2000, 1:30 a.m.,*
in response to message #9 by Reinhard Hawel (Austria)

Not sure if it's a matter of intelligence or sheer cowardice... I just ran away :-)

Viktor

Re: 9805A - victor;
*Message #11 Posted by **db** on 6 Nov 2000, 11:20 p.m.,*
in response to message #5 by Viktor Toth

piquant = spicy. that alone or combined with "subtle" in refrence to a sense of humor is almost always a compliment. i'd stake my reputation as a former pretend-english teacher on that. it's too bad that words arent as exact as numbers. i think i'll stick to arithmatic, i can usually do that.

Re: 9805A - victor;
*Message #12 Posted by **Viktor Toth** on 7 Nov 2000, 1:29 a.m.,*
in response to message #11 by db

db,

OK, I'll assume then that you paid my sense of humor a compliment (probably undeserved, I admit) and take everything back :-)

Viktor

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Gummy card reader wheels - again
*Message #1 Posted by **Peter** on 3 Nov 2000, 3:42 p.m.*

I was reading the Oct 8,2000 forum thread here about gummy 65, 97, and 67 (and even 41 I guess) card reader wheels and the oxidation problem that causes them to gum up.

Is there any evidence to show that perhaps this was a problem that was dependent on HP's supply of wheels from the manufacturer? In other words, were there some batches of wheels that oxidize in this manner and others that don't? I ask because I've seen a fair share of older and newer 65s, 67s, and 97s and you'd think that all the older calcs would have this problem but there are some older ones thats are just fine.

Maybe a environment issue? Perhaps ones in the southwest last longer in the same way that older cars don't rust out and deteriorate as fast in the SouthWest, USA?

Any ideas?

Re: Gummy card reader wheels - again
*Message #2 Posted by **Gianmaria (Italy)** on 4 Nov 2000, 2:48 a.m.,*
in response to message #1 by Peter

This is an intresting question, I saw some HP-67 with back label untouched and card reader fully functioning. May be also the card reader was serviced and then the back label could be replaced (I even have a factory new back instruction label).

The problem is concerning also to the material used, en fact HP-65 wheel is made with natural rubber but the TI SR-52 I have from the same era, has a green rubber wheel that's still in good order, the material is really different, the TI wheel seems to be a "modern" rubber insensitive to the environment.

However all my calculators "with wheels" are stored in a controlled environment show-case with many anti-moisture bags.

Re: Gummy card reader wheels - again
*Message #3 Posted by **Viktor Toth** on 4 Nov 2000, 7:55 a.m.,*
in response to message #2 by Gianmaria (Italy)

In my experience, HP card readers deteriorate fairly consistently, almost like clockwork (when you encounter a machine with a longer-living reader, don't be surprised if, when you finally open it, you find a late 1970s service sticker inside.)

Environmental conditions have little effect (although I did notice that the appearance of the deteriorated material is different in calculators also have other forms of corrosion.) TI on the other hand appears to have used a variety of materials, some of which deteriorates, some of which hardens, and yet other wheels still look like new after 25+ years.

Viktor

Re: Have not seen a lot but...
*Message #4 Posted by **Mike Davis** on 4 Nov 2000, 11:26 a.m.,*
in response to message #1 by Peter

I have only seen about 10 67s. I have seen a few that work just fine. There was no signs of gummy wheels at all. BUT, I took them apart to replace the wheel anyway and found that these working wheels were soft and appeared near to being a problem.

I even got one 41 (which is newer) card reader that was NIB and still in it's original packing. It was bad right out of the box.

I suspect they are either 1) Bad, 2) Bad but fixed or 3) soon to go bad.

Re: Gummy card reader wheels - again
*Message #5 Posted by **William L. Drylie** on 4 Nov 2000, 6:19 p.m.,*
in response to message #1 by Peter

Peter, This is an interesting subject. I have had my hp67 since my wife purchased it for me on Christmas of 1977. This calculator has never been serviced! I use it in coal fired power plants during outages to perform boiler service calculations. It goes with me when I crawl over boiler tubes covered in fly ash, also on my hands when I load a magnetic card. Fly ash is very corrosive, and abrasive. The very atmosphere is corrosive as evidenced by battery terminals in flashlights becoming corroded after a week or so. My hp67 has never failed me, and I have NEVER had a card read error. I use it to this day on a daily basis. I have never had the calculator open, so I can not tell you what type of wheel is in there, but if it ever goes down, I will take it apart. Bill.

Re: Gummy card reader wheels - again
*Message #6 Posted by **Mike** on 4 Nov 2000, 6:23 p.m.,*
in response to message #1 by Peter

If these wheels fail "like clockwork" as a previous poster has suggested and if even some HP 41 card readers have had this problem out of the box as another poster has said, then why would I have a mint HP 65 that I acquired from the original owner, with a serial number date code of 1333A i.e. made in '73, and that I know was never repaired or opened, and yet it has a card reader that works flawlessly with no evidence of residue on the cards that are passed through it??

Re: Gummy card reader wheels - again
*Message #7 Posted by **Mike Davis** on 7 Nov 2000, 10:31 a.m.,*
in response to message #6 by Mike

I may well be wrong on this. I am certainly NO expert on this subject. But I have done quite a few of these repairs on these recently.

But I took a working HP67 apart because I suspected that the card reader actaully needed repair. I had no evidence to justify this. Cards were pulled through the reader. Cards read and wrote properly. Cards had no signs of gummy substance. And no, I don't do that anymore, if it works and the label is undisturbed.

But what I found on the good working 67 card reader, was a very soft wheel. When I removed the wheel reisdue, it was all gummy underneath. There was a thin film of dried gum that let it work. BUT, it was all gummy underneath that surface.

I suppose it is also possible that different models had different substances. But the 67s and 41s that I have seen have all had the problem.

Re: Gummy card reader wheels - again
*Message #8 Posted by **Mike** on 7 Nov 2000, 11:37 a.m.,*
in response to message #7 by Mike Davis

Very interesting...some older reader have had the wheel go sticky and gummy and then get covered with some dried gum somehow? I wonder if these old wheel with the dried gum around the wheels will just continue to be fine indefinitly, like the dried gum is now acting as a proective surface or something.

I think we need to finance a study. :)

Re: I have to say...
*Message #9 Posted by **Mike Davis** on 10 Nov 2000, 2:15 p.m.,*
in response to message #6 by Mike

I have just received a nearly mint hp-67. It has a card reader that works just fine. There is no sign of any gumming. The reader reads and writes and is very quiet.

Because it is in such nice condition and the label has never been touched, I'm hoping that you are right and I might not ever have a problem.

Here's to being wrong:-)

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HP-97 printer noise
*Message #1 Posted by **Peter** on 3 Nov 2000, 3:25 p.m.*

I have recently acquired a HP 97 and am happy that the printer still works well. One thing though: the 97 printer head travels across the paper and on it's return to home mine makes a kind of a squeak/ screech sort of sound.

Does anyone know if this is something that can be corrected in any way?

Thanks,

Peter

Re: HP-97 printer noise
*Message #2 Posted by **Erik Wahlin** on 4 Nov 2000, 12:37 a.m.,*
in response to message #1 by Peter

Hi Peter, You might try applying a small amount of WD40 oil to the shaft the the print head slides on. Also the shaft that has a corkscrew thread on it. Also if there is a lot of dust in the printer, it is a good idea to blow it out. Another cause of this problem might be foreign debris in the motor gears.

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My old 12C'
*Message #1 Posted by **Mike Barlow** on 3 Nov 2000, 2:16 p.m.*

Not sure who gets this message, but a sad thing happened to me today. My HP12C finally quit. I kinda figured it was coming and was prepared. I had fresh batteries. The first set since it was new. The calculator was purchased in 1985 (Spring) and has never needed replacement batteries. WOW - over 15 ears of pretty heavy use on the same set. Truly amazing even for this great machine.

One of my favorite things about it is watching peers try & use it. Once they learn, they end up with an HP product, but the initial look on their faces is priceless.

Re: My old 12C'
*Message #2 Posted by **db** on 4 Nov 2000, 10:42 p.m.,*
in response to message #1 by Mike Barlow

mike; i assume that this is your first post here. welcome aboard. i think that your 15 years may be in a several way tie for the battery life record. and yes, we all love thoes "its broke / wheres the = key" lines. i'll share with you my favorite type of reaction to my old hp. im in a meeting with some clients engineer and or the (dim the lights) architect, and i pull out my 41 to numericly show someone why we can't build this object as the plans say (in three dimentional space anyway). someone invariably says something like "my professor had one of thoes" and i go from "that complaining bastard" to "the old sage" without having to give up any more than one or two hundredths of a foot, and no dollars. someone usually wants to put away his palm pilot and use the 41, so i take off the baggie and let him use it as long as he wants. why not. math, unlike autocad, will always give everyone the same answer.

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94 machines and what to do with them
*Message #1 Posted by **Katie** on 2 Nov 2000, 7:43 p.m.*

I've never seen the 94 (D,E,F) mentioned on this forum before so I'm not sure how many of us collect them and/or use them. However, I recently bought one (a 94F) that works fine, but of course it can't actually do much of anything because there's no software in it. (Well, the clock works great and I can turn the beeper on and off inside the resident debugger, but I'm looking for bigger thrills!)

I've read through everything that I can find on the web about it (Criag Finseth's stuff in particular) and all the zillions of manual pages on the CD ROM set, so I've got a pretty good idea of how it works and how to program it. But I don't have any of the development tools that HP sold for it. Does anyone know where I can get the HXBASIC compiler for it? Or even a simple demo program for it.

Thanks,

-Katie

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Display Power Up on a Classic
*Message #1 Posted by **Mike Davis** on 2 Nov 2000, 12:49 p.m.*

I think I read somewhere that when you turn on a classic that the display should "just" show 0.00 and not flash all the digits (as if running a program).

Is that true?

Does it apply to all of the 35, 45, 55, 65 and 67s or just some of these models?

If it does flash, does that point to any specific problem?

Can this happen and still mean there is nothing wrong with a calculator?

Re: Display Power Up on a Classic
*Message #2 Posted by **Viktor Toth** on 2 Nov 2000, 7:22 p.m.,*
in response to message #1 by Mike Davis

> when you turn on a classic that the display should "just" show 0.00

Correct.

> and not flash all the digits

Most certainly not.

> Does it apply to all of the 35, 45, 55, 65 and 67s

Yes, without exception (except that the HP-35 displays 0. because it has floating decimals.)

> If it does flash, does that point to any specific problem?

No, it can be anything.

> Can this happen and still mean there is nothing wrong with a calculator?

Yes, if something is wrong with the power. For instance, if the calculator gets unregulated DC from a power supply, it may display random digits. Mind you, if it is subjected to that power input for any length of time, chances are that it will develop a permanent problem even if it was working fine previously.

Viktor

Re: Display Power Up on a Classic
*Message #3 Posted by **Mike Davis** on 2 Nov 2000, 9:53 p.m.,*
in response to message #2 by Viktor Toth

Thanks,

I'm wondering if it has something to do with the power switch not making good contact.

I notice the following on a 45: 1) When the switch is switched on, the display looks like the display on a 67 when it executes a short program that returns 0.00. It seems to flash all digits (not random but similar to when a 67 runs.

2) I also notice that when everything is ok, just barely touching the power switch makes the display act a little odd. IF the switch is pressed in a little, the display becomes consistently good.

This second problem makes me think the calc needs to be opened up and the power switch cleaned. I wonder if this could also be the source of the display flashing. Like maybe the switch has some bounce that messes up the processor or something. Hmmm...

Re: Display Power Up on a Classic
*Message #4 Posted by **DaveJ** on 2 Nov 2000, 10:43 p.m.,*
in response to message #3 by Mike Davis

The switches can get dirty. HP used a conductive grease to improve contact and if this grease gets grimy it can cause switch problems. It is easy to clean once you get the calc open and past the issue of label removal risk...

Display Power Up --> Switches
*Message #5 Posted by **Katie** on 3 Nov 2000, 12:54 a.m.,*
in response to message #4 by DaveJ

I'm curious as to what other people here do to clean the switch contacts. I've simply been removing the gritty grease entirely and cleaning the contacts. I haven't found a grease to replace what HP was using and I don't think that it's really necessary for good contact (although the switch does have a better feel to it with the "clean" grease in there).

Re: Display Power Up --> Switches
*Message #6 Posted by **r. d. bärtschiger.** on 3 Nov 2000, 9:10 p.m.,*
in response to message #5 by Katie

I remove the old grease then apply a thin coating of 'gc 568', which I believe is a silicon grease. Gc is the brand. Should be available at electronics stores.

rdb.

Re: Display Power Up on a Classic
*Message #7 Posted by **Viktor Toth** on 3 Nov 2000, 12:58 p.m.,*
in response to message #3 by Mike Davis

> I wonder if this could also be the source of the display flashing

Yes, very likely so, if the calculator otherwise works correctly.

Viktor

Re: Display Power Up on a Classic
*Message #8 Posted by **M Currie** on 3 Nov 2000, 1:26 a.m.,*
in response to message #1 by Mike Davis

I have two 35's. One always flashes all the digits very briefly (a second or less) when it powers up, and the other generally does not when powered up after resting more than a minute or two, but if cycled, it flashes. One is a type 2, the other (flasher) a type 3, though they both have the same date code. They both work well.

Re: Display Power Up on a Classic
*Message #9 Posted by **Peter** on 3 Nov 2000, 9:40 a.m.,*
in response to message #1 by Mike Davis

My HP-35 shows just a 0 , not 0.00

Peter --

Re: Display Power Up on a Classic
*Message #10 Posted by **Tom (UK)** on 6 Nov 2000, 12:47 p.m.,*
in response to message #1 by Mike Davis

My '67 displays '0.00' 99 times out of 100. However in the 1/100 case it displays '-0.66_____---' (where '_' is a blank digit). It almost looks like it's in program mode (but the switch is in RUN). By pressing CLx all is OK.

My strange display also seems connected with the ON/OFF switch not comming on cleanly.

Tom.

Re: I guess the whole point of this question is...
*Message #11 Posted by **Mike Davis** on 7 Nov 2000, 10:36 a.m.,*
in response to message #10 by Tom (UK)

I guess the whole point of this question is, does this make a calculator not worth having as a collector item? Or, is this phenomena no big deal, for the most part?

Does a calculator that comes up immediately with "0.00" rather than flashing the digits before stabalizing at "0.00" have more value?

Re: I guess the whole point of this question is...

*Message #12 Posted by **Tom (UK)** on 8 Nov 2000, 1:15 p.m.,*

in response to message #11 by Mike Davis

With my HP67 I think the non '0.00' display appears because of switch bounce on power up. What the calculator's CPU does when the power goes on-off-on in a fraction of a second will be fairly random.

I guess what is happening is that the CPU gets confused and starts executing code at a random place until that routeen finishes. Depending on what's in the CPU's scratch registers at that time and the point in the code that the CPU starts to execute will dictate what appears in the display. In my case this is constant figures that are cleared with 'Clx', other calc's may look as though they are executing a program.

As the HP67/65 has a fair ammount of program memory, I wonder if this initialy powers up with a random sequence? Does anyone know what the HP65/67 does on power-up? i. e. does the CPU go through each program location and clear it or is the design of the memory such that the memory always powers up with 'R/S' commands???

More modern designs will have a power on reset that makes the CPU do nothing until the power stabalises. I guess the older classic models either don't have this or the switches get so 'noisey' on power-up that it can't cope.

The later calc's with constant memory have the voltage supplied to the CPU all the time so there is near zero risk of it powering up with a non '0.00' display - even if the switch bounces a great deal on power up.

Each calculator will have different parasitic (i.e. stray) capacitance on the circuit board and within each CPU (silicon devices - especially older types - can vary a great deal) and this may control what happens on power-up. i.e. this is why every model of the same calc may do different things on power-up.

I don't think this should change the value of the calculator as they will work perfectly after a very short power up time. However it may be an early indication that the power switch's silicone grease is getting a bit thin. In fact this behavior makes the classic series of calculators even more endearing to me as they seem to have much more of a personality than the more modern designs. Please note I am NOT a collector, just a avid user, I use my HP67 the most even though I have: HP32/48/49.

Tom (UK)

Re: I guess the whole point of this question is...
*Message #13 Posted by **Viktor Toth** on 8 Nov 2000, 10:27 p.m.,*
in response to message #12 by Tom (UK)

> modern designs will have a power on reset

So does the HP-67... or, I must correct myself since I never actually saw, or traced, the HP-67's circuit, what I know is that the HP-91 (a close relative) does have a 'power good' circuit.

> later calc's with constant memory have the voltage supplied to the CPU

Actually, that is not necessarily the case; if the C-MOS RAM is in a separate package, it is not necessary to keep the CPU powered. I believe that the CPU is in fact NOT powered in the C-MOS Woodstocks, and possibly other C-MOS HPs as well. (The cautious 'I believe' reflects the fact that although I did trace the part of the circuit that keeps the RAM chip powered in an HP-25C, I never actually double checked whether other components are completely powered down or not. One thing is sure; the switching power supply is off, so the CPU certainly doesn't receive its normal operating voltages.)

Viktor

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Just how "Limited" are the 50th Ann. 14B/32S's?
*Message #1 Posted by **mktoy** on 2 Nov 2000, 11:15 a.m.*

Just curious, because under the 14B 50th. Anniversary page, the Museum states the following:

"Price: Not sold to the public."

Also, Craig A. Finseth's HPDATABase says the following in both the 14B and 32S descriptions:

"There was a "59th Anniversary" version made of this machine and the 32S. (The anniversary was of HP.) The changes consisted of a modified bezel with insert and an extra logo imprinted on the case. The 14B version was oversubscribed and the 32S version had extras."

I believe "59th" is probably a typo. But what is meant by "oversubscribed" and "32S version had extras."??

Does anybody have any insight as to how many were made, how they were distributed (within HP) and how folks acquired them on the outside (token gifts to customers?) ?

Thanks, Matt

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HP48-help...
*Message #1 Posted by **Tal** on 2 Nov 2000, 7:27 a.m.*

Hi, HP48 users!

I tried to use Grab48 (Hewallet-pacard owner) program but I got: "Unexpected Error" message.

I appreciate any help.

Best regards,

Tal email: td@chem.ch.huji.ac.il

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The 5 ages of HP calculators...
*Message #1 Posted by **Ken** on 1 Nov 2000, 12:37 p.m.*

A bit simplistic but it's the way I feel about HP at the moment. I'm sure you all can think of some other words to describe HP over the years:

1 Foundation (late 60's)

2 Innovation (early to mid 70's)

3 Perfection (late 70's - mid 80's)

4 Stagnation (early 90's - late 90's)

5 Immitation (late 90's - now)

Ken :~)

Re: The 5 ages of HP calculators...
*Message #2 Posted by **rudi** on 1 Nov 2000, 3:10 p.m.,*
in response to message #1 by Ken

think there is another point:

6 quality:

recent i bought a hp 49g and was very disappointed. keyboard and display are not state of the art and not hp-like. in the past hp-calculators were shipped with phantastic manuals, the 49g, a very complex device, comes with a small booklett!

hp! were do you want to go today?

Re: The 5 ages of HP calculators...
*Message #3 Posted by **Ron Ross** on 1 Nov 2000, 4:09 p.m.,*
in response to message #2 by rudi

I believe their aim is for a lower point between two curved goal posts or oval target that we all occasionally have to park our backsides on. Correct me if I am wrong.

Re: The 5 ages of HP calculators...
*Message #4 Posted by **Frank Knight** on 1 Nov 2000, 9:20 p.m.,*
in response to message #1 by Ken

Another word ending in *ation* actually comes to mind for the current period, but I hope the sequence of calculator events does not end with starvation and deprivation!

Re: The 5 ages of HP calculators...
*Message #5 Posted by **Mike** on 2 Nov 2000, 11:23 a.m.,*
in response to message #1 by Ken

The 48SX and GX are great calculators. I suspect they will become known in the future as the last quality calculators that HP made, along with the HP 41C/CV/CX, 42S, 29C, 25, 25C, 67/97, and the great 65.

Notice how I left out the 34C, 38C, etc. The quality on those were just not up to par. Similar to the american cars of the early 80s.

Re: The 5 ages of HP calculators...
*Message #6 Posted by **ken** on 3 Dec 2000, 9:13 p.m.,*
in response to message #5 by Mike

It's a sad, sad fact that the 49G is nothing compared to my 10 year old beautiful 48SX, which has a display with a few missing lines. On being told by HP Melbourne this couldn't be fixed, I was "conned" into a 49G, my 5th and possibly last HP:<(

Re: The 5 ages of HP calculators...
*Message #7 Posted by **Tom (UK)** on 4 Dec 2000, 7:36 a.m.,*
in response to message #6 by ken

Why don't you ask for your money back or for them to swap it for an HP48GX? The more people tell HP about how they feel about the current HP calculator line up (both for and against) the better.

Tom.

Re: The 5 ages of HP calculators...
*Message #8 Posted by **bill duncan** on 5 Dec 2000, 11:50 a.m.,*
in response to message #5 by Mike

I agree with your lineup, and leaving out the 30 series. But you also left out the hp-11c, hp-15c and hp-16c which I think were very innovative and quality machines. The battery life is exceptional, and features, especially in the 15c and 16c were great for the time.

Cheers.

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HP 80 case
*Message #1 Posted by **Mike** on 1 Nov 2000, 10:15 a.m.*

Hi,

There is an HP 80 on eBay advertised as complete but it looks like it comes with the same molded plastic case that the HP 65 came in.

Did the HP 80 ALWAYS come with the fancy leatherette case when it was sold new by HP?

Re: HP 80 case
*Message #2 Posted by **Frank Knight** on 1 Nov 2000, 6:53 p.m.,*
in response to message #1 by Mike

I don't know for sure, perhaps some one else does. The molded case it is in appears to me (the current owner) to have either been with it as it was bought new or obtained concurrently with the purchase as it has an HP ID tag with the original owner's info on the top cover almost like it was a gift. I paid 208$ plus shipping last year on ebay for the set, and it did not come with a leather case, but it may not have been stored in the molded case with the manuals, or could have been an option since it was packed in the hard case. I wonder also how these may have been packaged/sold. I do have some leather cases on 35's-67's I am going to sell if you need one with it. BTW, reserve is set at 150$, less than my cost, so have at it!

Re: HP 80 case
*Message #3 Posted by **Tom Lianza** on 1 Nov 2000, 10:01 p.m.,*
in response to message #2 by Frank Knight

Frank,

I may be missing the point here, but the early 80's came in a case that resembled an electric razor. The outside of the case was a leatherette. I just put a bid on an 80 unit with a molded case. I'm assuming that it is a later HP80. The originals had quite a bit of class. Some one wrote me a few years ago saying he had picked it up a yard sale for 50 cents, thinking it was an old shaver. I explained the value to him, it was absolutely mint. I offered $150 but he decided to keep it.

Re: HP 80 case
*Message #4 Posted by **Frank knight** on 2 Nov 2000, 6:50 a.m.,*
in response to message #3 by Tom Lianza

Thanks for the bid on my unit, Tom, according to the date code, it is an early unit, in the first year (1972), so to the other writer's question, perhaps the case was bought concurrently as an accessory.

Re: HP 80 case
*Message #5 Posted by **Mike** on 2 Nov 2000, 11:14 a.m.,*
in response to message #3 by Tom Lianza

I was referring to the hard metal black leatherette case with the fuzzy lining in the interior. See the HP-80 pictures here on the hpmuseum. This case was meta with black leatherette on the outside with a HP logo on the front. The case was designed to hold the calc, soft leather carrying case, charger, and quick reference manual. Again the HP-80 pictures here on the hpmuseum are pretty clear.

So I guess my question still remains...did all the HP-80s sold new from HP come with the metal leatherette case or did later models ship with the molded plastic case too?

Re: HP 80 case
*Message #6 Posted by **Frank Knight** on 2 Nov 2000, 5:32 p.m.,*
in response to message #5 by Mike

Yes, I know what case you mean, I recently had an HP 45 that came in that black metal hp logo case, also bought used.

Re: HP 80 case
*Message #7 Posted by **Todd Garabedian** on 2 Nov 2000, 6:33 p.m.,*
in response to message #5 by Mike

Mike,

It's my understanding that later-produced HP-80s came in the same green hard case as the HP-45, 55, and 65. Additionally, as Frank K. points out, some HP-45 units came with the black leatherette case.

Todd

HP-80 leather case
*Message #8 Posted by **Erik Wahlin** on 3 Nov 2000, 1:41 a.m.,*
in response to message #1 by Mike

I was wondering if anybody knows if the HP-80 came with a black leather case that does not have a belt loop. I have this particular kind of black leather case and suspect that it was used with the HP-80. Maybe because a business man would not be walking around with one attached to his belt?

Re: HP-80 leather case
*Message #9 Posted by **Peter** on 3 Nov 2000, 9:42 a.m.,*
in response to message #8 by Erik Wahlin

Unless we're talking about a nerdy business man :)

Seriously though, I don't know.

Re: HP 80 case
*Message #10 Posted by **Joe R.** on 8 Nov 2000, 7:50 a.m.,*
in response to message #1 by Mike

Several of us including Dave Hicks hashed this out a couple of years ago. I contacted everyone that I could find that had original HP-80s and asked what kind of case their's came with. What we found was that the HP-80 came in both the black "electric razor" case and the standard molded plastic case. Then I learned that when HP was developing the HP-80 it was decided that since it would be sold to financal professional (bankers) they thought that it should have a nicer (less nerdy) case than the standard plastic one so they developed (or bought) the black metal cases. But somewhere in production the cases got mixed up and HP didn't seem to care so they

deleivered the HP-80s in both type cases. They also deleivered the HP-45 in both style cases.

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HP 86B
*Message #1 Posted by **Steve (Australia)** on 1 Nov 2000, 8:25 a.m.*

I just picked up one of these (along with 10 typewriters) at an auction for $5 (about $2.50 US).

It came with a 128K memory expansion, a ROM expansion (with IO ROM) and 2 serial port expansion modules as well as an HP-IB cable (I saw the disk drive at a previopus auction but didn't recognise it at the time DAMN!!!!)

Anyway, it came without any manuals or display.

Any idea if it needed a certain dedicated display, or whether something else could be pressed into service?

Re: HP 86B
*Message #2 Posted by **Bruce Cohen** on 1 Nov 2000, 7:39 p.m.,*
in response to message #1 by Steve (Australia)

The HP-86B used a composite video ouput that is NTSC compatable. You could try using a PAL TV that has an NTSC input option (I had one of these in my hotel room in Singapore this past July). The HP-86B had an 80 colume display and, if the TV is lacking the required bandwidth, the characters may be badly blurred. Good Luck!

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Sniping Theory and Practice.
*Message #1 Posted by **Glynn** on 1 Nov 2000, 12:52 a.m.*

I just watched an auction end on eBay for a VERY nice HP9100a, and yes, someday I hope my own 9100a will "benefit" from the price it sold for (though I guess I have my doubts right now about that... and my someday is probably a year or more away).

I've been keeping an eye on the auctioned one for the better part of a week, though, and sort of suspected I was going to have to "tune in" Oct-31-00 20:44:25 to find out what it would ultimately be like at the end of an auction like this.

Wow. I had my own guess on its worth. I figured the Stanford guy had it pegged at the top and thus sewn up... but the last four minutes astounded me. And it leaves me with a question or two about auctions and the tactics therein, which I hope are not totally out of place here.

I have been looking to get a good 67 or 97, and it finally occurred to me that eBay was going to be the place for finding that "fixer-upper" (my funds are variable to cloudy, more often than not). But I also have bid on some little parts like LED displays, etc. And the same always would happen: I would be high bidder for two whole weeks, with seemingly few others even caring to bid. Then, I would look a minute AFTER the auction, and someone had bid one dollar more than me, or such. Geez, it is so exhausting to lose in the space of a minute what you fretted over and bid on and watched for two weeks! It seems SNEAKY.

But I have come to understand that "sniping" is a practice you have to get used to on eBay. Some bidders just don't want to telegraph their intentions on an object and maybe drive the price up further, that I can understand.

But I sat back and wondered about a theoretical case and its possible implications. Let me ask whether it is a valid theory.

Say bidderX (273) is a prudent buyer, as is bidderY (122). They each know the market, the worth, and their own budgets, and decide they want a particular "widget". Starting bid on the widget is $5, and bidderX says to himself, 'I know that widget is worth $50 to me, so I will bid $51 to be sure.'

And he does, at the start of the auction.

And bidderY says, 'hmm, someone is getting that widget for only five bucks, I will wait until the last few minutes, and bid THIRTY, procuring the bargain of my life'.

And bidderZ (1) says, 'I have nothing to lose but one more dollar than the highest REAL VALUE as determined by ALL others, so I will wait until the very last minute, and bid $9999999.'

BidderZ is always the winner, and he got it for $51. His feedback is just (1) or at least fairly low, because he will occasionally run into more of his kind, playing the same game, and so will back out of a ridiculous price clash and simply change eBay logins and free email drops like last week's underwear. (Heck, the AOL account disks come in the mail every week, anyway)

Witness the number of seller complaints of bidders backing out of frivolous bids, the number of snipers who we see winning with practically NO feedback, but not strangers to the eBay ways, and the last-second ature of so much of the bidding. Aren't you just a bit curious what numbers they entered, not just what they ultimately got an item for?

I know this possibly doesn't matter. I know that I will continue to determine what I CAN pay, and what I want to pay, and *I* will bid only that way... but I can tell you, while I thought it was my dial-up connection holding me from getting the stuff on eBay I wanted, I now think that even with fiber-optic cables piping directly into an eBay server, my lack of willingness to "play high-stakes chicken" means I can forget bidding on anything that isn't of such obscure value that no one else CARES if I win it or not...

Thoughts?

Re: Sniping Theory and Practice.
*Message #2 Posted by **Viktor Toth** on 1 Nov 2000, 2:41 a.m.,*
in response to message #1 by Glynn

Glynn,

My advice is... don't play high stakes chicken. Just bid what YOU think the item is worth, but bid as late as possible, to avoid being outbid by someone who thinks you're an expert, and if you think the item is worth $X, it's probably worth $X+1.

But never, ever, bid _against_ others. It's not a race; it's a simple purchase. If someone wants to pay more money than you do (and consequently, by your own evaluation, pay more than what you think the item is worth) just sit back and enjoy the show. Unless it's a 95C, chances are that another item of the same kind will show up again next week...

Viktor

Re: Sniping Theory and Practice.
*Message #3 Posted by **Mike Sebastian (USA)** on 1 Nov 2000, 7:56 a.m.,*
in response to message #2 by Viktor Toth

I almost always bid snipe. I learned early on that if I bid early, whether my bid was reasonable or high, I would most likely be out bid. With bid sniping, I have had a much higher success rate on auctions. I further believe that bid sniping actually keeps the final auction price lower than it might otherwise be.

I bid because I want to purchase the item for a [usually] reasonable price. To that end, I employ techniques to improve to the probability of success. Bid sniping is one of those techniques.

Re: Sniping Theory - HP-65 Box
*Message #4 Posted by **Mike** on 2 Nov 2000, 11:38 a.m.,*
in response to message #3 by Mike Sebastian (USA)

A good, current illustration of this issue is the HP-65 that's currently on eBay ... with the box. The HP-65 card reader doesn't even work and the thing is already over $300 simply for the box. I wonder what the finaly price will be and if sniping will occur on this one?

Re: Sniping Theory and Practice.
*Message #5 Posted by **Todd Garabedian** on 1 Nov 2000, 1:51 p.m.,*
in response to message #2 by Viktor Toth

Viktor raises some very good points. I don't like to snipe, but if there is something on eBay that I REALLY want, I know I'll have to snipe it. It's just the way the system works. However, I never snipe friends, and generally ask before I put a bid on something where another collector friend is the high bidder.

I know many of the calculator collectors on eBay, this forum, and elsewhere. I don't collect calculators merely to collect small electronic devices. There is more to it than that. Sharing knowledge and experiences with other calculator collecting enthusiasts adds tremedously to the collecting hobby, but you don't make friends by sniping each other.

-Todd

Re: Sniping Theory and Practice.
*Message #6 Posted by **tomd** on 1 Nov 2000, 2:16 p.m.,*
in response to message #5 by Todd Garabedian

Good points, Todd. Good points

Re: Sniping Theory and Practice.
*Message #7 Posted by **Katie** on 1 Nov 2000, 2:59 p.m.,*
in response to message #6 by tomd

I agree with Victor, Todd and Tom. I try to never snipe collector friends, people that I know from this forum, private emails or otherwise. If I do by mistake (because I didn't pay attention to the bid history) I'll write to them and offer the item to that person (for what I paid) if they want it.

One thing that I do that hasn't been mentioned here, is to not advertise what I'm bidding on until the last minute by keeping it on my watch list. If it's a hard item to find (because of a bad description) and I've found it (because I've spent a lot of time searching ebay) then I don't necessarily want to advertise it by bidding on it early. It's not snipping, just keeping a low profile.

Re: How do you ever get to bid then...
*Message #8 Posted by **Mike Davis** on 1 Nov 2000, 4:07 p.m.,*
in response to message #7 by Katie

There are a few collectors who place early bids on virtually everything on EBay that is HP related. These bids are almost never successful. They only win when no one else wants the item.

How can you ever bid if you don't want to outbid them?

Re: How do you ever get to bid then...
*Message #9 Posted by **Fred** on 2 Nov 2000, 9:52 a.m.,*
in response to message #8 by Mike Davis

Following Tomd bids is pretty quick way to find HP items...People often place a small early bid to allow tracing an item quickly

Re: How do you ever get to bid then...
*Message #10 Posted by **tomd** on 2 Nov 2000, 11:20 a.m.,*
in response to message #9 by Fred

Time to change my bidding habits, I guess! ;-)

Re: Sniping Theory and Practice... and SnipeIt
*Message #11 Posted by **Gianmaria (Italy)** on 1 Nov 2000, 4:00 p.m.,*
in response to message #5 by Todd Garabedian

Does anyone experienced the Esnipe software? I am on eBay since 1997 and I am often outbid due to the disadvantage of my time zone, but I was also outbid during the last 2/5 seconds before the end of the auction... a perfect killer or high technology?

I agree with tomd and todd... you may have the best HP calculators collection with all the manuals, accessories and carton boxes (argh...), but if don't share your experience, trade your calculator with friends and talk with them about that hobby it's probably lost the 50% of the meaning of to be a collector.

Re: Sniping Theory and Practice... and SnipeIt
*Message #12 Posted by **Viktor Toth** on 1 Nov 2000, 9:12 p.m.,*
in response to message #11 by Gianmaria (Italy)

> if don't share your experience [...] it's probably lost the 50%

On that note... to those of you who haven't seen it yet, please feel free to pay a visit to http://www.rskey.org/. It's a work-in-progress of course but I hope you like it :-)

Viktor

Re: Sniping Theory and Practice.
*Message #13 Posted by **Mike** on 1 Nov 2000, 10:26 a.m.,*
in response to message #1 by Glynn

I also use bid sniping because it's often the only way of actually getting an item that you really want on eBay. If you bid what you are actually willing to pay too early, it really does drive up the price. I also find that the price I really think an item is worth is closer to what I WANT to pay for it and not what it is really worth. What is an item worth?....that is a debateble topic.

Unfortunately there are collectors who have a lot more desposable income than me and are willing to pay more than I think something is worth. That's why I didn't get that reddot HP 35 on eBay for $250.00 :)

Re: Sniping Theory and Practice.
*Message #14 Posted by **Reinhard Hawel (Austria)** on 4 Nov 2000, 6:04 p.m.,*
in response to message #13 by Mike

I sniped the second guy on this calculator, but I bid, what I wanted to bid anyway. In fact my bid was not a lot higher than the result of the auction.

My bid was a mean of getting this calculator in my country (Austria) in some way. I'm pretty sure, I'll be the only guy in Austria with a red dot HP-35 for the next time :-)

BTW: The bidders list for this auction seems like a Who's Who of the guys in this forum. It's surely a Who's Who of ebay bidders on HP calculators.

I also use the sniping procedure to keep the prices low and I never bid more than I want to pay for the item. Sometimes I regret that.

BTW sniping is rather hard for me, because most calculators go when it's between 2 a.m. and 5 a.m. in Austria, so I do it, when I really want something. In this special case it was even harder, because the auction ended at abt 3 a.m. and I had to catch a train at abt. 5 a.m.

I'm also into test equipment, where it's more important (and less expensive) to avoid false moves.

Re: What's the big deal.

*Message #15 Posted by **Mike Davis** on 1 Nov 2000, 12:16 p.m.,*
in response to message #1 by Glynn

Consider this: Supply and demand We all have an idea what these items are worth. This is or has been based on our idea of supply and demand (before the internet).

There is a fixed supply. There has, up to now, been a rather low demand. The demand was always there but we had no access to it.

Now with the internet, we have a new "demand" part of the equation. Our idea that item "x" was worth $y.yy was based on a false "demand" pool.

So what does that mean. It really means that the demand is higher than we thought. And with a fixed supply, the prices will go up.

Now to sniping: This does absolutely NOTHING to harm those who are bidding "their worth" of an item. If they get outbid, they would have been out bid, even if everyone placed their bids as soon as they saw the item.

For instance, say a 6100 was worth $1000 to you. And say you bid early. And further say that the guy who got it bid what it was worth to him. You would have still been outbid. So, you were not harmed.

All sniping does is prevent driving up the price.

Test you can do:

Go out and bid "on anything you actually have a need for". Figure out what you feel the item is really worth (to anyone). Then make that bid.

I guarantee you that you will be outbid. Someone out there will say, "if it is worth $x.00 to you, then it's worth $x.00+ "a measly $2.00". Thus, you are outbid.

So, what's the point of placing an early bit "that is flat guaranteed to be beat". None! It just drives up the cost.

What does sniping do: It prevents the guy who is sitting there saying "I'm going to bid $2.00 higher than the high bidder". He has no idea what the final bid will be. He has no chance to get in and steel (or be taken) the item for an additional $2.00.

What you MUST NOT DO: Never, never, never bid more than the item is worth to you. If you do, you will pay too much or force someone else to pay too much.

On the other hand…
*Message #16 Posted by **Jim L** on 1 Nov 2000, 1:02 p.m.,*
in response to message #15 by Mike Davis

Over the last few years, millions of people ignored the fact that dotcom stocks were ridiculously overpriced by any conventional measure. They kept buying knowing that there would always be a bigger fool who would pay even more. This made a lot of people money for awhile.

However, the last year has taught some of them that there isn't always a bigger fool and some of these stocks have fallen by more than 95%. I can't tell whether ebay HP pricing is "normal" supply and demand or a speculative bubble that is about to burst.

Re: I don't understand the analogy
*Message #17 Posted by **Mike Davis** on 1 Nov 2000, 1:11 p.m.,*
in response to message #16 by Jim L

We are NOT talking about investing... we (or at least I) am talking about collecting (you know, keeping what you collect).

If I want something for a collection, and if I get it at a price that is fair to me, it makes no difference what it does in the future. It is the item itself that is desired, not what someone else will pay or how much the price is depressed in the future.

If you want to invest, you should play the stock market, not EBay.

That may be how YOU collect but...
*Message #18 Posted by **Jim L** on 1 Nov 2000, 1:24 p.m.,*
in response to message #17 by Mike Davis

other people speculate in commodities and collectibles all the time - much to the annoyance of self-proclaimed "real collectors."

Even though I'm not a speculator, I would be annoyed to find that the collection I paid $X for this year could have been bought for $X/10 next year.

What's the "fair price" of a 9100? In a vacuum, I'd say maybe $100. However, the market forces me to pay much more if I want one any time soon so I adjust.

Re: That may be how YOU collect but...
*Message #19 Posted by **Mike Davis** on 1 Nov 2000, 2:29 p.m.,*
in response to message #18 by Jim L

"What's the "fair price" of a 9100?"

It is what someone is willing to pay. Nothing more, nothing less...

Re: That may be how YOU collect but...
*Message #20 Posted by **Jim L** on 1 Nov 2000, 2:56 p.m.,*
in response to message #19 by Mike Davis

So the fair price of a 9100 is $100 and $2500. OK. Not a real useful thing to know then.

Fair price?
*Message #21 Posted by **Dave Hicks** on 1 Nov 2000, 3:29 p.m.,*
in response to message #19 by Mike Davis

Several months ago I received an email from a recent immigrant to the US who had me confused with HP. He had just purchased an HP 10B in New York City and was complaining that a calculator this expensive should come with the manual included. He also wondered if there was an on-line manual.

After a round of emails, I learned that he bought it at one of those little "tourist trap" stores and paid:

```
HP 10B      $199
3 batteries  $27 (not included with calculator)
Slip case    $29 (again not included)
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They wanted $39 for the manual but he decided to try to figure it out himself first.

Fair price?

At one level I find these little shops highly amusing. You can spend an hour negotiating and still be at twice the MSRP and so you leave and they yell a lower price, only to tell you that you misheard them when you come back. When tourists are in, they somehow can never quote the price in the tourist's

local currency but they'll quickly rattle off options in five other currencies that the tourist also doesn't know.

Re: What's the big deal.
*Message #22 Posted by **mktoy** on 1 Nov 2000, 1:59 p.m.,*
in response to message #15 by Mike Davis

Mike Davis> "What you MUST NOT DO: Never, never, never bid more than the item is worth to you. If you do, you will pay too much or force someone else to pay too much."

For example: http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=473858214&ed=972868069 .

This person bought a used 32SII for $92!?!?! A new one can be ordered from Onvia for $49.95 including shipping. Granted, this *may* have been his first Ebay purchase (he has (1) feedback) and he *may* have been caught up in heat-of-the-auction sniping during last minutes. It's the only scenario I can speculate.

Matt

Re: What's the big deal.
*Message #23 Posted by **Mike** on 1 Nov 2000, 2:12 p.m.,*
in response to message #22 by mktoy

I have seen many, many instances of people paying higher than retail or mail order for items on eBay. This might be the Price Club/Costco phenomenon. Many people assume that prices at Costco are ALWAYS better than other sources. This is not always true.

With eBay, I think sometimes the bidding turns into a contest and prices go higher than they should. Other times I think people assume that eBay prices are better than other sources and of course this is not always true.

Re: What's the big deal.
*Message #24 Posted by **Steve (Australia)** on 1 Nov 2000, 5:42 p.m.,*
in response to message #23 by Mike

Another point worth considering is that somtimes things are rarer in other countries.

This means that I may be prepared to pay more for a relatively common item on ebay because it is hard to get here.

Also, lets not forget that the item may have a low serial number, or other somesuch that the buyer has determined from the seller.

or the guy who paid $104 for a card Reader!!
*Message #25 Posted by **Arty** on 1 Nov 2000, 2:22 p.m.,*
in response to message #22 by mktoy

wow!

Did you see the blank mag cards sell for $60?
*Message #26 Posted by **Joe B.** on 1 Nov 2000, 2:52 p.m.,*
in response to message #25 by Arty

!!!

Re: So what!
*Message #27 Posted by **Mike Davis** on 1 Nov 2000, 2:35 p.m.,*
in response to message #22 by mktoy

You, nor anyone else, was hurt by that. You can go down to any store and buy it for less. So, you were not hurt. The only person that was hurt was the person buying it. So, no matter what strategy he used, he only hurt himself.

The people that do the most complaining about sniping is because they feel that it hurt "them". I say it does not. Bid what something is worth to YOU. If you are outbid, you would have not gotten it anyway. If you win, you got it at a price that you are happy to pay.

Sniping cannot hurt someone who is only bidding what an item is worth "to them".

Re: Did you look at the history?
*Message #28 Posted by **Mike Davis** on 1 Nov 2000, 2:37 p.m.,*
in response to message #22 by mktoy

The winning bidder placed his bid 3 days before the auction ended. This is not a case of getting caught up in sniping.

No, I missed that part...
*Message #29 Posted by **mktoy** on 1 Nov 2000, 2:54 p.m.,*
in response to message #28 by Mike Davis

now I can't even feel any sympathy for the buyer! Can't say I've been there, done *that* (yet ;-) How come I couldn't have been the seller on that one?!?

Matt

Check the bidding history
*Message #30 Posted by **Jim L** on 1 Nov 2000, 2:52 p.m.,*
in response to message #22 by mktoy

The 2nd bidder at $90 has a feedback rating of 64. Several bidders bid twice in a row indicating that they didn't understand proxy bidding or instantly revised their idea of worth upward based on someone else's bid. (It does look like auction mania.)

Re: I don't think you can go by the number in a row
*Message #31 Posted by **Mike Davis** on 1 Nov 2000, 3:19 p.m.,*
in response to message #30 by Jim L

There is something screwy (or inconsistent) about how ebay logs things. This may just be a case of proxy bidding logging a 2nd bid and immediately being outbid.

I have even seen multiple of my ids listed and I have never bid against myself or revised a bid for which, I was the current high bid.

I had one auction where there were nine bids in a row for one individual. I know he did not bid against himself 8 times at the incremental increase.

I have for one reason or another knowingly bid more than I thought something was worth 1) because I knew I could take part and resell the remainder and get my money back or 2) because I knew it would go for more and just wanted it.

Manuals are a good example. I will sometimes bid more than an item is worth, to get a manual. I know full well the price is too high but also know that I can sell the other items as separate items and recoup my money.

There is one person who suggested that a 9100 was worth $100. Well I have a standing offer to give him, or anyone, $100 for any 9100 in working condition like the one offered:-) Any takers?

Prices
*Message #32 Posted by **Dave Hicks** on 1 Nov 2000, 3:52 p.m.,*
in response to message #31 by Mike Davis

"There is one person who suggested that a 9100 was worth $100. Well I have a standing offer to give him, or anyone, $100 for any 9100 in working condition like the one offered:-) Any takers?"

I've purchased several around this price point but they're not for sale.

There are takers, but you have to look well beyond ebay or the museum ads to find them. I believe that ebay is a wonderful place to sell things, but I avoid buying there for the most part. It really depends on whether you want something right now or don't mind hunting for it for awhile. In the meantime, while hunting for HPs I turn up other non-HP things that I buy and resell on eBay. My best single item so far was an item that I bought for $250 and ebayed for $4950. I don't know what that one was really "worth" either but I was so shocked that I threw in free shipping ;-)

Re: I don't think you can go by the number in a row
*Message #33 Posted by **Bob Henderson** on 1 Nov 2000, 4:38 p.m.,*
in response to message #31 by Mike Davis

I know that people revise their bids upwards after seeing others because I do it myself. I get all set to snipe with my maximum amount and I'm thinking "this is it! I've got it!" Only to see my self outbid by another sniper or the proxy.

So, with 2 seconds of serious throught, I bid a whole bunch more - usually with about 2 seconds to spare. The rush at the end really does distort my sense of reality. Sometimes I'm OK with what I've bought and sometimes I feel like an idiot.

On the other hand, I once placed the first bid on an item and the next morning

there were 33 bids on it and I wasn't the high bidder anymore - but only one more bidder was listed. I emailed him and he told me that he did make 32 bids and he thought that I was amazingly fast. I tried to explain proxy bidding to him twice but he claimed to "get it" the second time - but he told me I was amazingly fast again so I don't know what he thought was happening.

Re: I don't think you can go by the number in a row
*Message #34 Posted by **Viktor Toth** on 1 Nov 2000, 9:07 p.m.,*
in response to message #33 by Bob Henderson

> The rush at the end really does distort my sense of reality

Why do you care? You know what the item is worth... you go there in the last 20 seconds, if the current bid is still under your max, you submit your bid. (Otherwise, just sit back and watch the show. It's fun.) 20 seconds later, you know the result. As long as you don't bid against others, but against your own estimated as to the item's real value, you're okay.

Viktor

Re: I don't think you can go by the number in a row
*Message #35 Posted by **Mike Davis** on 1 Nov 2000, 3:52 p.m.,*
in response to message #30 by Jim L

There is something screwy (or inconsistent) about how ebay logs things. This may just be a case of proxy bidding logging a 2nd bid and immediately being outbid.

I have even seen multiple of my ids listed and I have never bid against myself or revised a bid for which, I was the current high bid.

I had one auction where there were nine bids in a row for one individual. I know he did not bid against himself 8 times at the incremental increase.

I have for one reason or another knowingly bid more than I thought something was worth 1) because I knew I could take part and resell the remainder and get my money back or 2) because I knew it would go for more and just wanted it.

Manuals are a good example. I will sometimes bid more than an item is worth, to get a manual. I know full well the price is too high but also know that I can sell the other items as separate items and recoup my money.

There is one person who suggested that a 9100 was worth $100. Well I have a standing offer to give him, or anyone, $100 for any 9100 in working condition like the one offered:-) Any takers?

Re: What's the big deal.
*Message #36 Posted by **peter** on 2 Nov 2000, 9:28 a.m.,*
in response to message #22 by mktoy

I was bidding on the 32SII, because it has a very early serial number, and was made in the US with the old-style keys. But I think at least one other bidder valued this higher, so he got it, where's the problem? If someone has to sell one like this for less, please contact me.

Re: What's the big deal.
*Message #37 Posted by **Bill Mason** on 2 Nov 2000, 1:05 p.m.,*
in response to message #36 by peter

If you get the chance, try the goodwill stores and flea markets. I've seen Pioneers in great shape selling for anywhere from $2 to $20. I never thought to pick them up because I stick to LEDs.

Here's the deal...
*Message #38 Posted by **Todd Garabedian** on 3 Nov 2000, 10:12 a.m.,*
in response to message #15 by Mike Davis

Mike,

You can make the supply/demand argument all day, and you'd be right. But you should know that sniping does have it's consequences. Keep in mind that many of the best transactions DON'T happen on eBay! They are trades or transactions done off-eBay and even off this site's classifieds, and the prices are far less than those for the same items on eBay.

I've observed that the people who regularly snipe eBay auctions are quickly identified by the handful of us long-term collectors, and quite frankly, we don't like to do business with them off eBay. Those snipers are basically ostracized from the group of us who trade and trasact in a friendly manner. And it's the long-term collectors who trade who usually have the best stuff! So I'd be careful about sniping. You don't want to burn all your bridges, especially when you need that obscure manual or part to make a calculator set complete.

-Todd

I have no respect for collectors who snipe other collectors
*Message #39 Posted by **Joe Barr** on 1 Nov 2000, 2:44 p.m.,*
in response to message #1 by Glynn

Re: I have no respect for collectors who snipe other collectors
*Message #40 Posted by **Viktor Toth** on 1 Nov 2000, 3:37 p.m.,*
in response to message #39 by Joe Barr

Joe,

I understand the emotion behind the subject of your message but I have to argue that it's illogical.

Let's say you bid $60 on an item three days before the close of the auction and I think it's worth $100. I have two choices; bid now, or bid moments before the auction close.

Either way, you will be outbid. However, if I outbid you now, I risk the chance that some clown comes by and outbids me, because he has no clue as to the real value of the item, so he uses my bid amount as his basis for bidding. By bidding at the last moment, I reduce the chances of that happening, and at the same time also help keep the final bid amount lower.

Why are you more offended, then, if I outbid you 5 seconds before the auction close instead of outbidding you three days earlier?

Viktor

PS: I know several people here whom I have a great deal of respect for, despite the fact that they outbid me numerous times in the last 20 seconds of the auction :-)

Re: I have no respect for collectors who snipe other collectors
*Message #41 Posted by **Joe B** on 1 Nov 2000, 4:16 p.m.,*
in response to message #40 by Viktor Toth

I know a good friend, and collector, who needed a 10A to complete his collection. As luck would have it, 3 of them showed up on Ebay all in a two day period. And he went after all of them, bidding a more than fair amount. Wouldn't you know it that the SAME guy sniped him for ALL 3 of them? Nice guy. A real Chip in, complete with sniping software and an alias account under his wife's name. What worse is that he probably had 6 of them already.

How can we gain respect?
*Message #42 Posted by **Steve (Australia)** on 1 Nov 2000, 5:58 p.m.,*
in response to message #41 by Joe B

And how do I know that the high bidder is a collector?

When should I bid against tomd?

At a real auction a bid tends to prolong the bidding (but not always - I have been at many an auction where the auctioneer accepted the first bid and sold the item).

Ebay is thus not a "real" auction and buyers and sellers really need to remember that. There are different rules, and even if we're all gentlemen, theres 100000 other people out there who aren't

Re: I have no respect for collectors who snipe other collectors
*Message #43 Posted by **Wayne Brown** on 2 Nov 2000, 8:24 a.m.,*
in response to message #41 by Joe B

But would it have been any better if the same guy had outbid your friend on all three items a couple of days earlier, instead of sniping at the end? He'd have lost to the other bidder either way. Or was your friend planning to raise his bid if he was outbid? That's the whole point of eBay's proxy bidding: You bid the ABSOLUTE MAXIMUM you're willing to pay, no matter when you make your bid. If someone bids higher than your maximum, then you lose; otherwise you win. The timing of the actual bidding process makes no difference if you only make one bid and stick to it. Sniping is only effective against people who want to wait and see what everyone else bids, then raise the price $1.00 or $2.00 at a time until he beats the high bidder by $1.00. That seems a lot sneakier to me than just making one best-guess bid, regardless of when the bidding takes place.

IMO, the real problem in your friend's case is that the other bidder should have been considerate enough to let your friend win one of the auctions, instead of outbidding him on all three. It's pretty selfish to grab the whole supply of an item. But that has nothing to do with the bidding procedures used, just with the ethics of the person using them.

Re: I have no respect for collectors who snipe other collectors
*Message #44 Posted by **Y K Wong (Singapore)** on 1 Nov 2000, 6:52 p.m.,*
in response to message #40 by Viktor Toth

I agreed with Viktor, I usually bid on the last 10 – 20 seconds with the intention to purchase and to avoid pushing up the price. Now, when you place your bid on the last seconds, essentially you are forcing yourself to place a maximum amount that you are willing to pay for the item, as you don't get a second chance to bid again! Therefore, if you are successful you get the item (or calc) at the maximum price that you are willing to pay; otherwise, it is just that someone out there willing to pay more for it. So… do you consider that as "snipping" as compared to those that just keep increasing their bid amount to outbid the highest bidder by a dollar?

Y K Wong.

Re: People who don't like sniping
*Message #45 Posted by **Mike Davis** on 1 Nov 2000, 8:28 p.m.,*
in response to message #44 by Y K Wong (Singapore)

1) Those who are trying to get something below market value (and you can't fault them for that).

AND

2) Those that pay too much because they overbid and were stuck at the overpriced bid, because of another sniper.

This may be a little oversimplified but...

nonsense
*Message #46 Posted by **Joe** on 1 Nov 2000, 8:44 p.m.,*
in response to message #45 by Mike Davis

Oversimplified approaches nonsense for large values of "over"
*Message #47 Posted by **Dave Hicks** on 1 Nov 2000, 10:15 p.m.,*
in response to message #46 by Joe

Joe,

I don't agree with Mike but I do believe that it is far better to be the ebay sniper than to try to defend against him. You may consider it impolite and sneaky but it's basically the way of ebay.

Ebay recommends behavior that is doomed to failure - bid your max at the beginning. I think they do this to drive up the prices and their fees. I look at auctions on the last day and almost always find that they are already way too high and waste no more time. On the rare occasion that they're not sky-high, I snipe.

It's not about winning, it's about keeping the price low...
*Message #48 Posted by **Wayne Brown** on 2 Nov 2000, 8:04 a.m.,*
in response to message #47 by Dave Hicks

Dave, your method is the same one I usually use. Once in a while, though (like this morning!), I get to the last day on an item in which I'm moderately interested and see that the price is still low, but either I won't be around when the auction closes or I think I might forget about it. In that case, I place a fairly low bid. Later, if I'm home and I remember in time, I may go back and snipe with a slightly higher maximum. If I forget, and get the item, fine; if I'm outbid, that's fine too.

Most of the time I just wait and snipe at the end if the price hasn't already gone beyond my range. I first started sniping after this sort of thing happened to me several times:

(1) I place a maximum bid of $100 on the first day of an auction with an opening price of $10.

(2) For several days there are no other bidders.

(3) In the last couple of hours of the auction, the price climbs to $70 or $80. No one outbids me, though, and I win the item.

(4) After the auction closes I check the bidding history and see that

though there were a dozen other bids, there were only one or two other bidders.

It's clear that the other bidders were bidding in small increments of $5 or $10 at a time, and finally gave up when they saw how high the price was getting. I still win, but the price I pay is pretty close to my maximum. After seeing the same thing happen several times, it occurred to me that if I had waited until near the end of the auction, I would have gotten the items at much lower prices because there wouldn't have been time for all those little bids that didn't change the outcome except to drive up the price. Of course, if someone had bid $110, it wouldn't matter when either he or I placed our bids. I would have been outbid in any case.

The bottom line for me is that sniping doesn't really increase my chances of winning, but it does make it more likely that if I do win, the final price will be further below my maximum than if I'd bid earlier in the auction.

Re: It's not about winning, it's about keeping the price low...
*Message #49 Posted by **Chris Catotti (Florida, USA)** on 2 Nov 2000, 2:42 p.m.,*
in response to message #48 by Wayne Brown

Let me reflect for a moment ... I bought several things from ebay, before I sold my first item. I was not running intenet at home back then, and my wife said it was time to have a garage sale. I had too many worthless computers stacked up in the garage. I had gotten them at garage sales with the thought that I would find time to play with them. I called my friend Joe and offered that if he wanted to put the junk on ebay, he could keep half. A Commodore PET computer that I got free at a garage sale (I was going to leave it but the guy said to take it free with the items I bought) sold for over $250. My wife couldn't believe it! Joe got $130, I got $130, and that sale alone almost was more than what my wife got for everything we sold at our own garage sale.

Having said that as a buyer, I find it most helpful to bid the "maximum + $2" as measured by what it's worth to me during the last 2 minutes. Sometimes I miss a bid, and wish I had bid the last 5 minutes. If I really like it I may bid real early, just so I can find it more easily later, or so I don't forget it. As a buyer I wanted a HEPAX module with 16K RAM. I wanted it more than any other HP-41 item, and positioned myself through promised sales to be able to

buy it. As bidding wars will be, I got it in a last one minute war, during which the price doubled. The sad part was I bid against my friend and "neighbor" Joe, also from Oviedo. Also sad, we have not seen a second one for sale since (it's been two years).

As a seller, I try and start items at the price of the model number, or perhaps $9.99 (still only $0.25 listing fee) and promise free shipping worldwide. Sometimes this has surprising results, like $60.00 magnetic cards, or software titles for a Sinclair ZX-81 software tapes that I bought for $1.00 fifteen years ago brand new, and close at the opening price of $0.81.

I will continue to sell on ebay, and ususally guarantee what I sell, and hope there is "crazy" bidding, except when I am bidding. However, I reseve the right to bid crazy, and rationalize that I can sell the part I don't need, or say to myself that I just sold something else to pay for this. Generally my goal is to build a library of HP-41 software and documentation through working with others. With luck, and the grace of God, I'll be 100 years old someday, and still playing Bill Wickes' 9-letter hangman on my HP-41CX. (Hey it just occurred to me that I am 41 years old, like the calculator module. Hmm ... maybe I'll start an auction at $0.41 tonight).

When is a bid a "snipe"?
*Message #50 Posted by **Todd Garabedian** on 2 Nov 2000, 1:27 p.m.,*
in response to message #44 by Y K Wong (Singapore)

On the philosophical side, when is a bid a "snipe"? In other words, how much time must there be remaining to call a bid a "snipe"? 1 minute? 30 seconds? 5 seconds?

I have ideas, but I'd like to hear from the group.

-Todd

Re: When is a bid a "snipe"?

*Message #51 Posted by **Glynn** on 2 Nov 2000, 3:15 p.m.,*

in response to message #50 by Todd Garabedian

Yay! Todd!

This is such a good opportunity for me to jump back in and answer all of you who have been feeling OVERLY SENSITIVE about what amounts to clever use of eBay...

If eBay were designed a different way, say to take your bid as the current price if higher than the standing price (the way an auction is usually held with auctioneers etc), then timing would not be so important a factor in determining the end price. But the fact is, early bidding IN THE eBAY SYSTEM can have an inflationary effect on the item's final price.

Further, the fact is, if you observe eBay for a while, you can see people who have habits of choice, and if they happen to be known as collectors with knowledge, then following THEIR bids is a strategy which eventually "robs" the collector of opportunities. Late Bidding however, restores to the collector his anonymity and loses the parasites (who may eventually have to learn something on their own).

So I do not criticize late bidding as such. The eBay way leads to no other conclusion-- ya gotta do it. Stop feeling guilty about it. Neither I nor anyone else has a natural right to acquire anything on eBay IF WE ARE NOT WILLING TO COMMIT to a higher price than someone, anyone else.

I appreciate the people who wrote me personally to say that they would hold back on their bid so I could get this or that. My, that is friendly, but it is not smart. When I bid early, I understand that others will have the opportunity to aim for the same gear as me; I would HOPE that IF I don't have the price it takes, that at least one of YOU on MoHPC, whom I respect, would go for it, NOT the real "snipers".

Which brings me to my original premise: that a flaw in the eBay system allows a select few to exploit it-- and THAT'S the "sniping" I believe we all have a right to hate.

Who is a sniper? In my mind, to qualify, you MUST both:

1. Follow an auction and not bid on it until the last TEN or so seconds. Note how long it takes to submit, and okay your submission, even on DSL or cable. You don't WANT anyone to have an opportunity to REACT to your bid.

2. Submit a bid which, by way of the eBay system, allows you to be the high bidder while limiting your liability below what you WOULD OTHERWISE COMMIT TO. If I submit a thousand-dollar bid for those $10 LED displays I want, but I do it in the last ten seconds, the eBay computer bids will rise to a level just one dollar above any of the OTHER bidders. I am assured a win, no question. This is an exploitation of an eBay flaw.

3. Should a "sniper" get CAUGHT, as when someone else has submitted a frivolous bid in a similar time-frame, there are a few options for getting out of your bid, none of which are options *I* would consider, and I suspect you, here at MoHPC would not consider, but which seem to be "stock-in-trade" for a "Sniper". I don't ever take back a bid. I don't ever refuse to pay my final price. I do not ever "negotiate" with the seller to take less than that final price. I do not risk negative feedback.

But it is a FURTHER flaw of the eBay system that the unscrupulous bidder can, with little trouble, SHED a skin, and be back on eBay the next week. And that is one reason why, looking at the feedbacks most all of you have, higher than mine and/or lasting as one name for over six months, I have no feeling that anyone HERE is a real "sniper". Of course, each of you could have two or three eBay accounts and be using your "respectable" account as cover for your unscrupulous alter-ego, but I kinda doubt it.

I DO see snipers on eBay. I do KNOW they exist. But late-bidding alone, in and of itself, is NOT a problem. I recently looked at all the auctions I suspected being "sniped" in-- where the last ten seconds jumped the price over any reasonable expectation I had about a market-value. I had deliberately priced MYSELF in advance over the market value on the objects, because I really wanted them NOW, and would pay the premium. (By the way, this is NOT how I shop for calculators... In calcs, I am looking ONLY for "bargains", and often bid late if I have an expectation that I will BE THERE for the close date). In each case, the bidders showed up in less time than eBay takes to refresh the screen on my dialup connection. In each case, of course, the winners went just one bid increment over me, wherever it took them. Meaning either an incredibly lucky guess, or a different magnitude to their bid.

And ALL had feedbacks of less than 10 at that time. I mentioned this whie musing a few weeks back, when the thread ("Crazy eBay") was talking about

prices, and I said: what I wonder about is why all these "newbies" would fight each other to pay much MORE for common items than what they could find in their hometown classified ads. I had nearly figured out the reason, but assumed the low feedback was low experience on eBay-- a correlation not quite substantiated by their sophisticated bidding BEHAVIOR.

So, Todd, a "sniper" to me is one who plays "high-stakes chicken", knowing that the eBay system can be exploited this way. It requires just enough time for eBay to respond by calculating your bid vs. others, but NOT ENOUGH time to have others REACT or even KNOW what you've done.

I believe this happens; I am not convinced I have seen it on a calculator yet, but then I am VERY picky on what I bid, when, and why. But I don't consider anyone HERE in this conversation a "sniper"... just late and clever bidders. I bid late when I see I can, and I do not assume that just ANYONE bidding late is trying to "snipe".

Re: When is a bid a "snipe"?

*Message #52 Posted by **Mike Sebastian (USA)** on 3 Nov 2000, 12:42 a.m., in response to message #51 by Glynn*

eBay defines bid sniping as "placing a bid in the closing minutes or seconds of an auction." However, eBay does not impute any inequitable conduct to the bid sniper. Neither do I consider bid sniping bad, althought it does annoy me when I loose to another bid sniper! As far as timing goes, a good bid snipe is one entered sufficiently near the close of the auction that others would not have time to react and place a higher bid.

Bid sniping is not unscrupulous. Unscrupulous bidders are an entirely different issue. Unscrupulous bidders exploit weaknesses in eBay to cheat sellers. This can be as simple as not paying, or as complicated as collusive action to drive up the high bid enough to drive away legitimate bidders, then withdrawing the high bids to allow a low-ball bid to win.

oh, okay, then, let's go for it!

*Message #53 Posted by **Glynn** on 3 Nov 2000, 4:29 a.m.,*

in response to message #52 by Mike Sebastian (USA)

Sigh.

Not having known what eBay itself defined as "sniping", I knew from context that it had to do with bidding in the last few moments.

THEN, I speculated on a SINGLE methodology for doing "high-stakes" sniping, and asked for your thoughts on the validity of the premise that it COULD be and probably IS done, within the set of all tactics used.

I look back at my first post and still don't see a way to have stated clearer that I was talking of one particular practice, A VARIANT, NOT LATE BIDDING in general.

I tried to make my case in post two on this thread that I do not consider LATE BIDDING a problem; indeed it is a perfectly good tactic considering eBay's system.

But, well, I can't ask anyone to differentiate between a normal behavior and a deviant one by appropriating terminology that everyone believes applies to both. Sorry for confusing anyone.

If eBay defines ALL late bidding as "sniping", then please allow me to redefine my terminology with a new word:

DYNAMITING: Theory and Practice

(hey, does that have a ring, or what?) ;-)

I looked forward to responses indicating whether the specific methodology of Dynamiting (now that we know what to call it) was in evidence. While many in the course of explaining what THEY believe is happening told stories of price-swings which would tend to support my theory, it seems everyone has a DIFFERENT explanation for what is REALLY going on (naivety, heat-of-the-moment, etc).

But almost everyone was willing to believe that "sniping" is what THEY do, as if LATE BIDDING were in and of itself a dirty little secret for

success (funny!).

Okay, all, "sniping" is what you do, and it works, and I do it too, and there is good reason to do it, and so the last one in is a rotten egg. Great, we should have a "Order of the Snipers" club, and award medals to those with ping/purchase ratios that most closely approach unity. ;-)

Pardon me, but I was ASKING something else: in that final few seconds, do you, would you, COULD you bid AN OUTRAGEOUS AMOUNT, knowing full well that, unless someone else is doing the same as you AT THE SAME MOMENT, you will never ACTUALLY pay more than "one bid-increment" more than the previous bidders who submitted logical and reasonable bids?

I am convinced that the REAL "bid out of all bounds at the last possible moment" sniping system, or Dynamiting as I now describe it, explains some of the anomalistic prices found on eBay.

("Dynamiting: When Good Sniping Goes Bad: A Fox Reality Special".) :-)

Whether by some automated software bidding script, or just nervy bidders caught in a clash by others using similar tactics, I think my theory is likely valid.

But, Mike:

I DO NOT AGREE that one bidder cannot, while submitting a bid that results in a valid auction result, be UNSCRUPULOUS to other bidders (the implication that the only unscrupulous behavior is the kind which is adverse to the seller kind of irks me).

Now, I suppose, Mike, I need to look up "unscrupulous". But before I check Webster's for the answer, let me say that I don't figure LEGALITY into my rough understanding of the concept. eBay has its set of laws, and it bans bidders and sellers which don't follow them. It also "punishes" behavior it does not approve of. But eBay may or may not approve of some behaviors *I* would call "unscrupulous". It may not have a law, nor a means to enforce, action against someone who is unscrupulous but who is not defrauding a seller or other bidders. In fact, if the behavior

benefits the client of eBay.com, SELLERS specifically, why WOULD eBay wish to legislate against a bidding behavior that say, merely annoys others by obviating their purchasing efforts?

I am not suggesting that Dynamiting is a good practice. It is NOT one I would engage in (I can't afford it should my timing be off by a second or two). I see NOTHING that violates the rules or even INTENTIONS of eBay, however, and the fact is, it would benefit the seller by the same degree as any other high bid. Is it a Scrupulous thing, then? Does it do anything beyond parasitically feasting at the valuation-table of other bidders? If eBay doesn't say any bad thing about a carefully-timed bid of intent to "pay whatever it takes to overcome the competition", is it therefore GOOD just because it is allowed?

eBay may settle this in its own way: by legitimizing a new way of ending the auction before one begins by allowing the seller to pick a "Buy it Now" price. Buyers could, prior to first bids, commit to purchase for the asking price, and no auction would then need to proceed. Whether that works is pretty much in the hands of the seller.

I think it will help. I myself would possibly pay more to get something RIGHT NOW, rather than wait for an auction with all its uncertainties and timing.

Regardless, Mike, let me tell you about my VERY FIRST eBay purchase. It was last February, and I cruised around, just marvelling at what you could find there. While using the search engine, I remembered that I once had a pair of stereo headphones I really loved-- made by a company called Stax. They were in a box the movers lost years ago, but I had never found any headphones I liked as much in the interval. I typed "Stax" and lo, there they were on eBay; in fact many pair... and I chose the ones like I had (a good model), and bid on them. Shortly after my bid, I get an email from "a friend" who said that what was being advertized on eBay as "electrostatic headphones" were NOT REALLY so, they were merely "electret", and that was VERY different and inferior, and I might not have known the difference, but I would likely be unhappy if I got the headphones. The post was from an anonymous server, so I did not respond to my "friend"... instead I upped my bid and got the headphones (oh the bliss of "electrets"!!).

Anyway, my first eBay experience clued me in to the fact that there are people out there who have little or no shame when it comes to acquiring

things, who would misdirect or take advantage of their fellow bidders' trusting natures. I call that "unscrupulous", and eBay may think it unscrupulous, too, but then, that's the place where my "friend" got my email address, and eBay could not stop or stifle this kind of behavior if they cared to try.

Incidentally, that incident also made my mind up that I was going to be suspicious of people that spout "official" definitions pedantically, using them to justify opinions or advice that may only apply given their denotated criteria, without regard to the intended message of the person first using the word. ;-) But I do agree: Bid Sniping is NOT, in and of itself, BAD.

A solution to prevent bid spining
*Message #54 Posted by **Hugo** on 3 Nov 2000, 9:08 a.m.,*
in response to message #50 by Todd Garabedian

One solution I can see to bid spining on Ebay will be to close the auction at a random closing time. For example: Let say the auction is supposed to close a 9:30am. The solution will be to close this auction at a random time between 9:15 and 9:30. So you have up to 9:15 to bid for sure on the item, but after that nobody know when it will close.

Re: A solution to prevent bid spining
*Message #55 Posted by **Erik Wahlin** on 3 Nov 2000, 10:37 a.m.,*
in response to message #54 by Hugo

That's an interesting suggestion. I wonder what it would do to the final bid price of an item as compared to the present system.

Re: A solution to prevent bid spining
*Message #56 Posted by **Jim L** on 3 Nov 2000, 1:09 p.m.,*
in response to message #55 by Erik Wahlin

I've seen two sellers do this. They announced their auctions that they would close at some random time before the ebay end to prevent sniping.

Well... It worked... It prevented sniping. It also prevented the price run up and gave bargains to early bidders.

Strangely enough, both sellers stopped doing this. It's funny because they

claimed that they were doing this to protect the early bidders and they seemed to be completely successful in this aspect :-)

Re: Sniping Theory and Practice.
*Message #57 Posted by **Thibaut.be** on 14 Nov 2000, 6:50 a.m.,*
in response to message #1 by Glynn

I took the time to read all the messages...

Well, I think we all agree that sniping is not very "fair", but that is a consequence of ebay's auction style.

I have to admit that I have sniped a few times for an item that I couldn't find locally and that did not present very often on ebay. And yes, it really played in the last seconds (I succeeded in sniping though there ws only 3 seconds left).

I have allways tought ebay was the worst place in the world to buy something, but I have often bought there as it is often the only place where I could find what I was looking for, and, we have to admit it, it is quite easy. On the other side, it means that ebay is really a good place to sell stuff.

I had a mail from one of you who refused to consider ebay's prices that are often far too high in comparison with what it is reasonnably worth... Of course, he's right, but the fact is that market price is what a seller and a buyer are ready to trade for... and if I want my collection to evaluate, I need to sell and buy, and it's a bit difficult to admit to sell at "normal, friendly" prices and to buy at ebay's prices...

So as far as I am concerned I don't feel that sorry if I snipe someone I don't know, but if I notice someone I know from this site bidding on an item, I would send him an email saying that I'm interested in the item too and what would be his last price...

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Trying to get a 38C repaired
*Message #1 Posted by **Byron Hinton** on 31 Oct 2000, 10:00 a.m.*

Can anyone tell me the best place to get a 38C repaired. I had used Calculators of Arkansas before, but they seem to be out of business now.

I also have a 19BII on the blink. I guess I could send that one back to HP but I would welcome other suggestions.

Thanks,

Byron.

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New 32SII
*Message #1 Posted by **Tom** on 31 Oct 2000, 1:05 a.m.*

Do anyone have the picture of the new design of HP 32SII?

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Another 75C question
*Message #1 Posted by **Mike Davis** on 30 Oct 2000, 10:36 p.m.*

I have a not-so-nice 75D and inside the battery compartment there is a module named Backup Module (I think that's what it was called). It plugs into the 75 circuit board in the battery compartment.

Anyway, what is that module for? How is it used? What's in it? Can it be used in my nicer 75C?

Thanks,

Re: Another 75C question
*Message #2 Posted by **Glynn** on 30 Oct 2000, 10:45 p.m.,*
in response to message #1 by Mike Davis

Hey Mike; I got a 75d on eBay and it came with the infamous "pod"... the first task was figuring out how to remove it. I just wanted the "naked" 75d.

But, yes, in the battery compartment of my 75d, is a little cartridge that you can only access THROUGH the battery compartment, and only if you push down the battery contact-springs. But mine has engraved on it "8K Memory module".

I don't know WHAT all HP might have made for that particular cartridge slot. It may be that a "Backup Module" is a neat little unique accessory (maybe a special ROM?) you have as a bonus. If you find out what exactly it is, let us know.

Re: Another 75C question

*Message #3 Posted by **Mike Davis** on 30 Oct 2000, 11:24 p.m.,*

in response to message #2 by Glynn

Yep! I took about every screw out of the "pod" before I realized that I just had to remove the end 3:-) Pays to look first, I guess.

I guess I really need the CD set to figure out how to use this thing. I got another 75C today. It's mint (the 75 I mean; not a scratch on it). Has a very nice hard leather case too. I took a chance when the seller did not know if it worked. It works 100%.

I had a 75 when they first came out but I don't remember much about how they worked.

The "pod" was one that had AT&T on it instead of the HP label. That sucks. So did the 75D but that paper label came off. The backup module might be some sort of non-volatile memory or just a ROM with some backup s/w maybe; who knows. Might have a battery don't know. The 75 and pod only cost $18 so I guess I can't complain.

I wish there was a command to dump everything known about the 75. Seems like some sort of catalog of all available commands known would be nice. I'd like to know what commands access the "Backup" or whatever that is.

I'll let you know if I figure it out.

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3421 Control Module 82500B-A24 Rev B ID 21/31
*Message #1 Posted by **Ty Rogers** on 30 Oct 2000, 7:06 p.m.*

I know it goes with the HP41. What does this module do?

Re: 3421 Control Module 82500B-A24 Rev B ID 21/31
*Message #2 Posted by **DaveJ** on 30 Oct 2000, 11:14 p.m.,*
in response to message #1 by Ty Rogers

It provides functions for controlling the 3421 data acquisition unit. data Logging functions and the like. Let me know if you want to sell it...

Re: 3421 Control Module 82500B-A24 Rev B ID 21/31
*Message #3 Posted by **Chris Catotti (Florida, USA)** on 1 Nov 2000, 12:38 a.m.,*
in response to message #2 by DaveJ

See pictures at:

http://images.honesty.com/imagedata/9/9/1/16796991.jpg

http://images.honesty.com/imagedata/9/9/2/16796992.jpg

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problem with HP29 display
*Message #1 Posted by **Norman Kong** on 30 Oct 2000, 10:53 a.m.*

Hi

please advise. My HP29C calculator display has flashing zero's when switch on. Can it be repaired??? Is it possible to replace the battery pack with regcargeables, recomendations please.

I also have a HP45 which requires a battery pack. can any provide the exact spec of rechargeables that I can buy to replace the origional batteries?

Your assistance, ideas will be highly appreciated.

Thanking You

Norman

Could someone confirm if alkalines are OK for a 29C?
*Message #2 Posted by **Andrés C. Rodríguez (Argentina)** on 30 Oct 2000, 12:42 p.m.,*
in response to message #1 by Norman Kong

Do NOT run your HP 29C with an AC adapter if rechargeable batteries IN GOOD WORKING CONDITION (including clean contacts) are not installed. DOING SO WILL DAMAGE YOUR MACHINE BEYOND REPAIR.

Rebuilt battery packs with NiCd AA batteries are OK. In the meantime, it is possible, at your own risk, to try with regular alkaline AA cells. The voltage will be somehow higher than NiCd, indeed, but the difference may be within tolerance.

(I have done it with a non-Continouos Memory HP25, I suggest you may check with someone who had operated HP25C or HP29C with alkalines before going ahead).

If you use alkalines, never use the AC adapter with them!

Glynn rants on batteries some mo'

*Message #3 Posted by **Glynn** on 30 Oct 2000, 9:47 p.m.,*

in response to message #2 by Andrés C. Rodríguez (Argentina)

You are absolutely right Andres.

I do not know what the "flashing display" indicates. Is it a flag on the 29c, or an error diagnostic?

Norman, I personally would recommend just replacing your old NiCad batteries with new NiCads-- it's a simple easy and cheap repair, sure-fire and guaranteed.

Alkalines could rupture if used in conjunction with a charger/power pack. So if you ever need to use alkalines in a calc, it is my habit to take a piece of cork and stopper the charge port. Just a way of reminding me not to be stupid.

Alkalines/dry cells/primary-type ZnCl batteries all put out 1.5v nominal PER CELL, while NiCads and NiMH are 1.2v/cell. Not a great deal of difference, but my personal rule is that you should not act as if alkalines and NiCads are equivalent if there will be more than 3 in series (an excess of > .9v). Most devices have regulation circuitry, true: but most regulation circuitry consists of converting excess voltage to heat, not great for reliable small devices.

Truthfully, I would be skittish about alkalines in the 25c in particular, mainly because this is VERY EARLY C-MOS, and I think it is more picky about the voltages it tolerates. I would try to keep it to NiCads.

I do not know about the 29c's circuitry, but would guess it is somewhat more robust and tolerant than the 25c. Just my personal impression. Nevertheless, Andres is right to warn you to NEVER run it from the power-pack without the rechargable batteries in place (they act as a "soft" buffer to the power from the pack).

There are many places that can rebuild a battery pack for you if you have a bad one. Luckily, you can even buy solder-tabbed AA cells on the Net, if you want to try it yourself. The packs are usually a combination of three or so AA NiCad cells, on most calcs. It is three on the 45, for instance. Opening up the battery pack carefully is probably the hardest part of the job. You can do it!

Don't solder directly onto a NiCad UNLESS it has solder tabs to solder to. If you ruin the venting system under the cap by melting it, the NiCad is never going to charge well, and might (if overcharged) burst. Katie Wasserman pointed out in an earlier post that Digi-Key sells some pretabbed NiCads, and I think that is likely an excellent and reliable source.

If you are wondering about NiMH, I have YET to see REAL decent data that NiMH, when charged by a NiCad-based charger with a NiCad based method, delivers more power overall or lasts more cycles. It has much less of a "memory" problem, as you have heard, but charging it is an exothermic process (produces heat) where NiCads are endothermic, and NiMH loses its charge as it sits idle at a 30-40% higher rate than NiCad will (all batteries lose charge when sitting, but NiCad is STILL better than NiMH in this regard, and I think this has some virtue in a calculator).

If NiMH is charged in a NiMH charger, you DO get more power capacity, and you DO get more cycles, but since HP chargers weren't originally designed for NiMH, the way to use them is to convert your calc battery pack to allow you to change batteries in it easily, then keepp a set of NiMH in your charger, and a set in the calc, and switch them out RATHER THAN trying to charge them IN THE CALC.

By "converting your pack to allow you to change batteries easily", I mean you can, for instance, use the NiMH cells with an industrial cap (a bit shorter than the button-topped consumer variety), and use a spring-metal contact in each side of the pack, and "seal" the pack after each change with scotch tape. It works, and even someday, can be easily reversed to a plain ol' NiCad pack again.

Be picky. Power is the only thing a calculator needs to do its work-- and on such a diet, the best you can do to keep your calculator healthy is provide it with the RIGHT stuff...

Re: problem with HP29 display

*Message #4 Posted by **Viktor Toth** on 31 Oct 2000, 4:32 a.m.,*

in response to message #1 by Norman Kong

Norman,

A flashing, abnormal display on an HP-29C most likely means a ruined chip. You may also see a flashing or abnormal display if you try to run the calculator from the wall adapter without a good battery pack installed and **making good contact** but in that case, you probably ruined a chip or two already, with the overvoltage. (The HP-29C is very fragile; I have several in my parts box with missing chips for which no replacements exist.)

Regarding alkalines, I've heard horror stories about the 3.2V output voltage of a pair of new alkalines being sufficient to ruin the early C-MOS circuitry. A pair of slightly used alkalines (<1.5V per cell) should not cause any problems, since fully charged NiCd cells can put out that kind of voltage as well.

As for the HP-45, if you have an old, dead battery pack, it is very easy to rebuild. If you're in

North America or other parts of the world where Radio Shack/Tandy stores exist, you can buy a battery pack (RS part number: 23-170) that consists of three "AA" NiCd cells already soldered together. You can open the plastic housing of the old battery pack, take out the dead cells, cut off the connector pads (and clean them if necessary). Next, remove the plastic outer wrapping from the new pack, and solder the connector pads onto its solder tabs (watch the polarity!) If you did everything right, you can easily insert the new cells into the old battery pack's plastic housing, and seal the housing with a small (so that you can open it again if you have to!) amount of glue.

Alternatively, there as businesses (e.g., Battery Plus here in Canada) that rebuild old battery packs for a modest fee.

Viktor

Re: problem with HP29 display
*Message #5 Posted by **Hugo (Montreal,Canada)** on 31 Oct 2000, 3:34 p.m.,*
in response to message #4 by Viktor Toth

Hi Victor,

Can you give some info on Battery Plus in Canada?

Thanks

Re: problem with HP29 display
*Message #6 Posted by **Viktor Toth** on 31 Oct 2000, 5:45 p.m.,*
in response to message #5 by Hugo (Montreal,Canada)

Hugo,

Other than the fact that there's an outlet here in Ottawa at the Carlingwood Shopping Centre, and that they have a really silly Web site (flashy Macromedia stuff, no substance), I can't give you much. In particular, I have no idea if they exist in Montreal or not, sorry.

Viktor

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HP-75 Card Reader Commands

*Message #1 Posted by **Mike Davis** on 30 Oct 2000, 2:43 a.m.*

I guess I need a couple more instructions before my CD comes.

What are the commands to read and write to a mag card?

Also, are there a few programs around somewhere that demonstrate using the periperials, like the card reader, expansion pod.

I have the basic commands but nothing that shows these.

Thanks

Re: HP-75 Card Reader Commands

*Message #2 Posted by **Gianmaria (Italy)** on 30 Oct 2000, 12:34 p.m.,*
in response to message #1 by Mike Davis

The COPY command allow you to copy the programs from the magnetic cards to the HP-75. The correct use for that command is:

COPY CARD TO 'the name of the program you want to copy'

the response of the 75 is:

Copy from card: Align & [RTN]

Now press the RTN key and the 75 says:

Pull card...

Now you have to pull the card not too fast and not too slow. If you want to copy a program

from the 75 to the card this is the command:

COPY 'name of the file' TO CARD

then press RTN and pull the card...

Hope all that help you.

Best Regards. Gian

http://welcome.to/gian

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Problem with display on HP41CX
*Message #1 Posted by **Iqbal** on 29 Oct 2000, 8:46 p.m.*

Just going through my small calculator collection and I noticed that the lower half of the display in my HP41CX, is dimmer than the top half. I am using a rechargeable battery pac and the battery signal is off. So I think I can safely eliminate the thought of low power. Any ideas as to what might be the problem. Is it possible that the display could dry up?

Re: Problem with display on HP41CX
*Message #2 Posted by **Viktor Toth** on 30 Oct 2000, 1:36 a.m.,*
in response to message #1 by Iqbal

Iqbal,

My first guess would be a flaky pressure contact between the top and bottom halves of your calculator. Try flexing, twisting it a little in your hands and see if it has any effect on the display.

Viktor

Re: Problem with display on HP41CX
*Message #3 Posted by **Iqbal** on 30 Oct 2000, 4:59 a.m.,*
in response to message #2 by Viktor Toth

I tried twisting it around and it does come on brighter. Thanks Viktor. Iqbal

Re: Problem with display on HP41CX
*Message #4 Posted by **John Robinson** on 30 Oct 2000, 7:45 a.m.,*
in response to message #3 by Iqbal

Iqbal, If you are seeing all segments on, but some are dimmer than others, then your problem is the contact strips between the display glass and the display circuit board. I take it we are talking about a halfnut ?. You need to unsolder the display, remove the black metal clips, clean the contacts on the circuit board, display glass, and contact strips. Reassemble, and that should fix it.

Re: Problem with display on HP41CX
*Message #5 Posted by **Iqbal** on 30 Oct 2000, 7:28 p.m.,*
in response to message #4 by John Robinson

Thanks Guys. I was worried that the display was going.

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HP42s ROMs
*Message #1 Posted by **Erik Ehrling** on 29 Oct 2000, 7:08 p.m.*

Does anybody have the HP42s ROM in file format? Also if anybody has the ROM for the HP41CV emulator card for the HP48SX that would be useful as well (would buy it if anybody against all odds would have it for sale...)

I would also find it interesting to hear how far people out there have progressed on emulating the HP42s...

Regards, Erik Ehrling <erik.ehrling@telia.com>

Copyright issues
*Message #2 Posted by **Dave Hicks** on 29 Oct 2000, 7:38 p.m.,*
in response to message #1 by Erik Ehrling

I would appreciate it if you wouldn't request copies of copyrighted materials on this forum. (Out of production doesn't mean no longer copyrighted.)

Re: Copyright issues (was HP42s ROMs)
*Message #3 Posted by **Erik Ehrling** on 30 Oct 2000, 9:13 a.m.,*
in response to message #2 by Dave Hicks

I apologise, it was not my intention to post an illegal request. However, my main question remains unanswered. I see a lack in emulation software in that there are full-fledged emulators for both the HP41, HP48 and HP49, but not any decent emulator for the HP42s. As a first step to understanding of the internal workings of the HP42s I would like to try to disassemble the ROM and therefore I would like to have a copy of it on my PC. If I am left with no other option I could always use the built-in monitor to browse it and type it in by hand, line by line, but I would prefer using the IR-port to transfer it either to a HP48GX or directly to an IRdA port.

I saw some postings about someone trying to disassemble the ROM and therefore assumed that someone had succeeded in transfering it.

I certainly understand if HP wants to retain the copyright for the HP42s. My personal hope is that they would put in full-scale production again. ("Do not change a winning concept")

Regards, Erik

Re: Copyright issues (was HP42s ROMs)
*Message #4 Posted by **j-f garnier** on 1 Nov 2000, 5:37 a.m.,*
in response to message #3 by Erik Ehrling

Yes, it is possible to download the HP42S ROM to PC, with the help of a HP48. (I did it twice, for two different versions of the HP42S). Of course, I can't post the ROMs (copyright issues), but I can expain how I did. I used the built-in monitor of the HP42S and the 'COS' key that send a line of codes to the IR that can be received by the HP48 with the HP INPRT utility. Of course, the process is quite long (a few hours). And yes, I'm thinking about writing a HP42S emulator! I already wrote emulators for the HP41 and HP71 (I think that it's the only HP71 emulator, except perhaps the one used by HP).

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Trans41 Software
*Message #1 Posted by **Murray Marien** on 29 Oct 2000, 12:02 a.m.*

Does anyone know where to get the following software:

"Trans41 - HP-IL Transfer utility by Eclipse Logic Inc and Tacit Logic Systems. Works fine on today's fast PCs"

Thanks

Re: Trans41 Software
*Message #2 Posted by **Kelvin Hales** on 8 Nov 2000, 4:58 a.m.,*
in response to message #1 by Murray Marien

I E-mailed Christoph Klug, and he very kindly gave me a lead: Christoph.Klug@de.bosch.com

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Corroded Battery Contact in HP 67
*Message #1 Posted by **John** on 28 Oct 2000, 10:13 p.m.*

I recently purchased an HP-67 on Ebay with a broken battery contact spring. The positive polarity contact spring broke approximately in the middle. I don't have the part that broke off. (The negative battery contact is fine.) Is there an easy way to replace or extend the broken contact? What is the best material? What is the best way to make the connection? Thanks for your help.

Re: Corroded Battery Contact in HP 67
*Message #2 Posted by **Erik Wahlin** on 28 Oct 2000, 11:40 p.m.,*
in response to message #1 by John

Hi John, Send me your address and I will stick one in the mail for you free of charge.I will also include a short note on how to replace it. Do you have access to a solder iron? Erik

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HP-71B charger voltage
*Message #1 Posted by **Matthew Riehl (U.S.A.)** on 28 Oct 2000, 7:32 p.m.*

I just acquired an HP-71B. It's charger says it's rated output is 8 volts AC but it is putting out 11.5 to 12 volts (unloaded and not plugged in).

Is this normal? I'd like to make sure before I plug it in. Thanks.

Matthew Riehl

Re: HP-71B charger voltage
*Message #2 Posted by **Glynn** on 28 Oct 2000, 10:53 p.m.,*
in response to message #1 by Matthew Riehl (U.S.A.)

Without a load, this is a normal reading... it's not really "regulated" as such-- it's just a transformer with an 8v secondary. I just have a 75d brick (82059D) in front of me... it is putting out 12.55vac with no load.

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HP75 Memory Exp. Pod

*Message #1 Posted by **Mike Davis** on 28 Oct 2000, 2:44 p.m.*

I have obtained an HP-75 Memory Expansion Pod with a working HP75 but I have no documetation on what the pod offers or how it works.

It has two phone jacks on the back.

Seems to have a modem connection as when it starts up it says "initializing modem" or something like that. Hard to catch that message.

The HP Museum says it is a 7271A but the photo shows more digits (hard to read) so I don't know the real part number. If it is a memory exp. pod, does it come with extra memory? How much and how does one access it?

The "Mem" function only returns about 22K, when executed.

Anyone know where I can get information on this?

Also, I notice that my 75 has some sort of internal module, in the battery compartment, that says backup. What is that and how is it used?

Re: HP75 Memory Exp. Pod

*Message #2 Posted by **Jim L** on 28 Oct 2000, 4:49 p.m.,*
in response to message #1 by Mike Davis

There's a manual for this on the HP Museum CDROMs. I just browsed it and it covers a modem, electronic disc, and some additional bar code software. I might be able to answer a specific question but it's a 123 page manual so it's hard to summarize in a post.

Re: HP75 Memory Exp. Pod
*Message #3 Posted by **Mike Davis** on 28 Oct 2000, 5:05 p.m.,*
in response to message #2 by Jim L

I'd be interested in commands to access or test the Modem, Electronic Disc (is this in all pods?) or see if it's even there.

Anything like that? Some basics to exercize and see if this works?

Thanks

Re: HP75 Memory Exp. Pod
*Message #4 Posted by **Jim L** on 28 Oct 2000, 11:09 p.m.,*
in response to message #3 by Mike Davis

To initialize the modem

MODEM OFF

MODEM ON

then wait about 5 seconds and

PRINT MODIN$

to display the result. If it's blank, wait a while longer and print again.

To initialize the electronic disc execute

INITIALIZE ":XMEM"

Re: So far so good

*Message #5 Posted by **Mike Davis** on 29 Oct 2000, 12:02 a.m.,*
in response to message #4 by Jim L

Modem On (seems to take) Print modin$ (returns OK; seems to work)

Modem Off (seems to take) Print modin$ (returns Error Modem Off; seems right)

Tried modout "test" (guessed at this; seem to take)

Initialize "XMEM" (seemed to work) Tried XMEM (returned 65xxx; seems like it has 64K)

Guess I'll have to try and find a manual for this expansion pod. Probably a million other commands.

Thanks,

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Overlays for 48 series calculators
*Message #1 Posted by **Bruce Riggins** on 28 Oct 2000, 11:49 a.m.*

Did HP ever make a set of the thin keyboard overlays for the 48 series calculators like they did for the 41 series? If so, where can I find them?

Thanks.

Bruce

Re: Overlays for 48 series calculators
*Message #2 Posted by **Tom(UK)** on 31 Oct 2000, 7:17 a.m.,*
in response to message #1 by Bruce Riggins

I posted a similar request some time ago. The response was that they were once available (educalc?) but those who still had them were going to hold onto them. I don't know if HP made any.

I think they could easily be made using the type of prototyping PCB tool my company has. This is like a mini milling machine with an x-y head. Once the 'layout' of the overlay is entered a sheet of plastic could be cut to the required shape. Our machine is used all the time so the chance of me getting to it are slim :-(

PS - can anyone think of the reason the hp49g has a USER function? (Appart from being a hang over from the HP48G) Without the ability to have keyboard overlays the owner has to remember what each USER key does!

Tom.

Re: Overlays for 48 series calculators
*Message #3 Posted by **db (martinez, california)** on 31 Oct 2000, 8:18 p.m.,*
in response to message #2 by Tom(UK)

one thing i can come up with is to contact tripod data systems (tds) in corvallis oregon u.s.a. and see if you can buy one of thiers. you will have to live with g - z, cont/off and the tds-48 symbol (a definate minus) and esc, note, print, & main, above the g,h,j, & l keys. the rest is just a real dark dark brown.

I still have some overlays for 48 series
*Message #4 Posted by **Menno** on 9 Nov 2000, 5:30 a.m.,*
in response to message #1 by Bruce Riggins

I've bought them from the late EduCalc in the previous century. I just wanted the transparant with the math/greek symbols on them. But it was a package of math/greek symbols, 3 creme and 3 transparent. One creme I did cut up so it would fit a 42. So I have 2 creme and 3 transparent for sale or trade (also a HP82143A printer). I would like someone to help me on a 32/128Kb ramcard for the 48. Menno

Re: I still have some overlays for 48 series
*Message #5 Posted by **db (martinez, california)** on 9 Nov 2000, 9:49 p.m.,*
in response to message #4 by Menno

does that mean that you want a 32kb ramcard?

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HP-41 or 45 Field Case
*Message #1 Posted by **Jorge** on 27 Oct 2000, 5:01 p.m.*

I found an almost new field case made of thick black leather.Does anybody know if there was one made for the HP-41(it fits well in it)or was it made for the HP-45?

Re: HP-41 or 45 Field Case
*Message #2 Posted by **Andrés C. Rodríguez (Argentina)** on 27 Oct 2000, 5:52 p.m.,*
in response to message #1 by Jorge

I think it is more likely to belong to the Classic family(HP35/45/55/65/80) than to the HP41.

Re: HP-41 or 45 Field Case
*Message #3 Posted by **db (martinez, california)** on 27 Oct 2000, 8:19 p.m.,*
in response to message #1 by Jorge

i have an old case that was made for the 45 but i used to use it for my 41, stopped because it is a bit tight and it tears the baggies off too quickly. its black with one of thoes little push button snaps on the flap. its made to use with a web belt (mabye to conform to military purchase specs) and has hp in a circle and a box stamped in the left side of the flap. a third party made a better one; it had side flaps to keep out the dust. that one was natural leather colored.

Re: HP-41 or 45 Field Case
*Message #4 Posted by **rick** on 4 Nov 2000, 5:25 a.m.,*
in response to message #3 by db (martinez, california)

HELLO,I HAVE FOUND AN HP45 THAT WORKS WITH THE POWER PAC AND THE LEATHER CASE,ANYONE NO WHAT IT MIGHT BE WORTH??? THANK YOU, RICK

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HP 19BII Faulty keyboard
*Message #1 Posted by **Jorge** on 27 Oct 2000, 4:10 p.m.*

I have a HP-19BII which is in mint condition,but the .,2,5,8,and RCL keys would work only if I fold the Alpha keyboard all the way.Does anybody know how to fix this problem,or can tell me how to open the calculator? I would appreciate your help.

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HP41 to PC
*Message #1 Posted by **François** on 27 Oct 2000, 4:06 p.m.*

I've recently found a interface (80164A) to connect to my HP41 HPIL loop. I'm interested to store and download data and programs to the PC. I'm interested to get programs to run on the PC. Any information about that subject is wellcome.

Thank you very much

François

Re: HP41 to PC
*Message #2 Posted by **Jim L** on 27 Oct 2000, 4:36 p.m.,*
in response to message #1 by François

There are a couple of articles about this in the articles forum and Leo's tool for converting HP41 file types in the software library. Also, Dave just uploaded a whole bunch of HP41 programs that you can download.

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HP 32SII faceplate change
*Message #1 Posted by **Richard George** on 27 Oct 2000, 11:42 a.m.*

I just purchased an HP 32SII directly from HP, for day-to-day work in lieu of my 48GX. I was surprised to find the faceplate had changed. The calculator is black, with a silver facing around the display window, and black lettering. Anyone know what gives with this?

Faceplate de jour - HP has gone nuts
*Message #2 Posted by **Jim Hofstra** on 27 Oct 2000, 1:29 p.m.,*
in response to message #1 by Richard George

No doubt, this is another example of HP's newfound stupidity. I'm still waiting until they come out with a black calculator that has black shifted functions.

Perhaps it's about time to buy a TI, since TI will rule the world with HP's give up attitude.

Jim

Re: Faceplate de jour - HP has gone nuts
*Message #3 Posted by **Jim L** on 27 Oct 2000, 4:38 p.m.,*
in response to message #2 by Jim Hofstra

What's so stupid about black on silver instead of silver on black?

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Added several hundred new HP-41C programs
*Message #1 Posted by **Dave Hicks (USA)** on 26 Oct 2000, 8:59 p.m.*

Tony Duell supplied a huge number of HP-41C binaries. With the help of Leo Duran's compiler/ decompiler, hex data files and listing files have been created for people who can't download the binaries. These have all been uploaded into the new HP-41C software library.

Re: Added several hundred new HP-41C programs
*Message #2 Posted by **db (martinez, california)** on 26 Oct 2000, 9:22 p.m.,*
in response to message #1 by Dave Hicks (USA)

yaba daba doo! good work tony leo and dave.

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Repairing HP67 Display
*Message #1 Posted by **Mike Davis** on 26 Oct 2000, 11:59 a.m.*

Just curious. One of my 67s has a single pixel out (not a segment but just a pixel). It's not a big deal but I'm wondering, if and when I decide to fix it, if I can use an LED display from a trashed HP-45.

Do these use the same LED display? I'm wondering from an originality point of view not just a functional point of view. I really don't want to open up the 67 just to take a look.

Thanks

Re: Repairing HP67 Display
*Message #2 Posted by ***** on 26 Oct 2000, 3:05 p.m.,*
in response to message #1 by Mike Davis

Yes, the display out of any of the classic HP calcs will work in your 67. HOWEVER they are matched for brightness so it might a job to find one with the same brightness. The brightness level is indicated by a letter on the back of the display IC.

Re: Repairing HP67 Display
*Message #3 Posted by **Mike Davis** on 26 Oct 2000, 5:44 p.m.,*
*in response to message #2 by *****

I suppose I could just change out all of the digits. Thanks

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Order CD's from Finland?
*Message #1 Posted by **Jan Kronlund** on 26 Oct 2000, 11:28 a.m.*

Is there anyone in Finland who is considering ordering these CD packs from HP Museum? If so send me mail and maybe we could combine order.

Thanks, Jan

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HP48 as a bar-code?
*Message #1 Posted by **Tal** on 26 Oct 2000, 7:06 a.m.*

Hi, HP48 users!

I wonder if one of you ever thought about using an HP48 as a bar-code reader like the HP41 WAND.

Best regards,

Tal email: td@chem.ch.huji.ac.il

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Calculators for Middle School Science/Math
*Message #1 Posted by **Paul Brogger** on 25 Oct 2000, 7:35 p.m.*

I've a teacher-friend who's trying to convince her school to buy calculators for the kids in her Middle School (7th & 8th grades) science and math courses. There are lots of lower-income kids, and they don't seem to be able to consistently show up with calculators, so the teacher is thinking maybe the school should have a supply on hand.

I don't want to beat the RPN-as-the-best-way-to-learn-math drum -- that issue is dead, unfortunately. I'm just trying to help get this cash-strapped school the best deal possible.

I found an HP-6S at Office Max for only $5.99. On the Web, they seem to cost somewhat more, but $9-$10 each is easy to find for the HP-6S Solar. Like it or not (and I don't), HP is actually competing on the basis of price . . . I don't think there's another scientific available for less.

I've noticed the HP web site shows only the -6S Solar -- has the -6S been discontinued? Might there be stocks of discontinued -6S models available at a "special" rate? Does anyone know where they (Solar or otherwise) might be bought with, say, an educational and/or volume discount? Does anyone know of any organization willing to "grant" (i.e., give) calculators to young students?

Any info or contacts you can provide will be helpful.

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HP-11C repair question
*Message #1 Posted by **John Purcell** on 25 Oct 2000, 12:37 a.m.*

I have a hardly used HP-11C. Good processor and display, however, I have two vertical rows of keys that do not function. Does anybody know who works on this unit or any hints for repair myself. Thanks in advance.

John

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What's the difference: HP 82059A/B/C/D
*Message #1 Posted by **Mike Davis** on 24 Oct 2000, 10:49 p.m.*

The HP-19C says to use 82059A/B and does not mention the C or C.

The HP-75D says to use 82059 B/C/D but not the A.

The HP-97 uses all four. All too confusing, since they all have the same connector (don't they).

What is the difference between all these various models and is there anything dangerous (to the device) that should be noted?

Not an answer - sorry
*Message #2 Posted by **Steve (Australia)** on 25 Oct 2000, 6:34 a.m.,*
in response to message #1 by Mike Davis

AFAIK They are all the same.

Well, they differ in the plug and mains voltage, but aside from that the output voltage and connector is the same and thus are interchangable.

My list is

82059B US (90 - 120 VAC) 82066B Europe (210 - 250 VAC) 82067B UK (210 - 250 VAC) 82067B Opt 001 Republic of South Africa (210 - 250 VAC) 82068B Oz (210 - 250 VAC) 82069B Europe (90 - 120 VAC)

But on reflection, these are all B variants and thus it doesn't answer the question -- sorry.

Re: What's the difference: HP 82059A/B/C/D
*Message #3 Posted by **DaveJ** on 25 Oct 2000, 10:26 a.m.,*
in response to message #1 by Mike Davis

There are some subtle mechanical differences in the plug. I am not sure of which model #'s are different but some adapters I have cannot be used interchangably due to differences in the rubber plug. Some have more rubber between the plugs which prevents plugging into some of the calcs or accessories they otherwise would work fine for. Of course you could cut out the excess rubber. There may be other subtle differences I have not looked for or found...

Re: What's the difference: HP 82059A/B/C/D
*Message #4 Posted by **Dave Hicks (USA)** on 26 Oct 2000, 9:16 p.m.,*
in response to message #1 by Mike Davis

In general, these came from HP manuals. If you find manuals which recommend other combinations, please let me know and I'll add them. In general, though, I don't think you have to worry too much as long as the connector fits.

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Battery
*Message #1 Posted by **Milan Radojevic** on 24 Oct 2000, 7:40 a.m.*

ware can i buy chargeable Battery for 41 cx ? in sweden pleas.

Re: Battery
*Message #2 Posted by **Steve (Australia)** on 25 Oct 2000, 7:17 a.m.,*
in response to message #1 by Milan Radojevic

You have several options.

1) get N size nicads and use an external charger. You'll need 2 sets, but this option gives you quite high capacity.

2) try to find the nicad pack and the appropriate charger. You could try ebay or the classifieds here. Be warned though, if you buy a secon hand nicad pack you're almost certain to have to have it rebuilt.

3) decide that alkaline cells are easier :-)

Re: Battery
*Message #3 Posted by **Kelvin Hales** on 7 Nov 2000, 6:21 a.m.,*
in response to message #2 by Steve (Australia)

Know of a source for N-cell NiCd's ?

Re: Battery

*Message #4 Posted by **Jan Kronlund** on 26 Oct 2000, 11:31 a.m.,*
in response to message #1 by Milan Radojevic

I would need one too, here in Finland.

Thanks, Jan

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Who's got a 65? I need to ask a question
*Message #1 Posted by **Mike Davis** on 23 Oct 2000, 6:21 p.m.*

I have a strange behavior, at least it seems strange, and I would like someone with a 65 to tell me how theirs acts, when the try something I am doing.

If you have a 65, and have the time to do a simple test, contact me off board at ipscone@halcyon.com

Thanks,

Mike

Re: Who's got a 65? I need to ask a question
*Message #2 Posted by **Matthew Riehl (U.S.A.)** on 24 Oct 2000, 10:05 a.m.,*
in response to message #1 by Mike Davis

I have one. What's your question?

Re: Who's got a 65? I need to ask a question
*Message #3 Posted by **Mike Davis** on 24 Oct 2000, 6:50 p.m.,*
in response to message #2 by Matthew Riehl (U.S.A.)

Question was already answered but what I was wondering was why, if I program only the LBL A key, that the program executes when any of the keys is pressed.

I have found that that is normal.

Thanks

Re: Who's got a 65? I need to ask a question

*Message #4 Posted by **Matthew Riehl** on 24 Oct 2000, 8:37 p.m.,*

in response to message #3 by Mike Davis

Yep, it's normal. But I have no idea why it was designed that way.

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ADCM48
*Message #1 Posted by **Jesús Tamez** on 23 Oct 2000, 5:49 p.m.*

Hi, I´s a 48gx´ programmer:

Somebody knows about programs, IC designs, sensors or any supply information for the interface ADCM 48 (for the hp48(S/G))

Thanks! ... JT

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HP12C Leather Case
*Message #1 Posted by **Bruce DeRoche** on 23 Oct 2000, 3:36 p.m.*

I have a folding, wallet style leather case for my old HP12C made by a company called Chary. Its great, and I get asked about it often. I'd like to purchase some for freinds and a replacement for myself but I can't find another one anywhere. Does anyone know where I can buy this product?

Re: HP12C Leather Case
*Message #2 Posted by **Peter Khor** on 25 Oct 2000, 5:17 a.m.,*
in response to message #1 by Bruce DeRoche

On an additional note, any other recomended 12C/Voyager case (hard/soft)?

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Did someone use Dave's HP-01 photo w/o permission?
*Message #1 Posted by **mktoy** on 23 Oct 2000, 1:26 p.m.*

This may be old news, but this photo certainly doesn't look like any HP-01 I've ever seen:

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=458955706&ed=970968031

Matt

Re: Did someone use Dave's HP-01 photo w/o permission?
*Message #2 Posted by **Dave Hicks** on 23 Oct 2000, 4:39 p.m.,*
in response to message #1 by mktoy

No - in this case it looks like auctioneer uploads pictures from his digital camera to his website without renaming them so new pictures overwrite old ones.

I knew it didn't point to any of your photo's, but..
*Message #3 Posted by **mktoy** on 23 Oct 2000, 5:19 p.m.,*
in response to message #2 by Dave Hicks

since I had never seen one with an alligator band before, I wasn't sure if it was a real HP-01 or not 8~). Seems this one is able to display text messages that can be superimposed onto graphic images. Those HP engineers were waaay ahead of the curve in 1977/78, weren't they? I've seen the gold and silver versions, but never a wood-grain version. This one even has backlighting and camouflaged keys!!

OK, I'll stop now :-) Matt

Re: Did someone use Dave's HP-01 photo w/o permission?
*Message #4 Posted by **Viktor Toth** on 24 Oct 2000, 4:51 a.m.,*
in response to message #1 by mktoy

I think I have your answer:

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=473158849

It appears that, as Dave suggested, this seller reuses file names.

Viktor

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Graphic time line (better this time!)
*Message #1 Posted by **Tom (UK)** on 23 Oct 2000, 12:38 p.m.*

All,

Here is my chart again with a better format. It does not look correct in this format, you must put in another editor - see below. The end of each line is marked by a ' char. The spaces are marked by a full stop. You MUST view the file in a font / editor that uses the same width for each character (otherwise the years don't line up)

To reconstruct put the text into notepad or similar, turn off word wrap and delete any extra 'new line' chars until the end of each line is terminated by '.

I have done some of the hard work, maybe someone could put more accurate release / termination dates in (to the nearest quarter). I have not included the desk top or palm top machines as they do not interest me.

The 'lost years' between 91 and 98 are very obvious.

Tom.

Scientific: .....\72/\73/\74/\75/\76/\77/\78/\79/\80/\81/\82/\83/\84/\85/\86/\87/\88/\89/\90/\91/\92/\93/\94/\95/\96/\97/\98\99/\00/' Graphic.....
HP28C<-----HP28S---->.....<Hp49G>>>' .....<--HP48S(X)-><---------HP48G(X)---------
>>>' .....<-------hp38g------->>>>' .....
<hp39g>' .....<hp40g>' ' High/prog.....<-------------HP67------------->' .....<---HP65--->.....
<---------HP41C-------->.....<----------HP42S---------->' .....<---------------HP41CV--------------->' .....<----------HP41CX----------
>' ' Med/prog.....<----------HP15C---------->' .....<-HP55-><-HP29C><-----HP34C---->.....<---HP32S--><-------------HP32Sii-------------
>>' .....<-----------HP11C------------>' .....<---HP25--><-------HP33E------>' .....<-HP25C>....<-----HP33C---->' ' Med.....<---
HP45--><-HP27-><-------HP32E------>.....<---HP27S-->' .....<----------HP16C---------->' .....<---hp22s--
>' .....<------------------hp20s------------------>>' ' Low.....<---HP35--><---HP21--><-HP31E>.....<-
HP10C>.....<hp30s>' ' Printing.....<---HP46--><---HP91--->' .....<-HP19C>' .....<-------------HP97-------------
>' .....HP97S' .....\72/\73/\74/\75/\76/\77/\78/\79/\80/\81/\82/\83/\84/\85/\86/\87/\88/\89/\90/\91/\92/\93/\94/\95/\96/\97/\98\99/\00/' ' ' Buisiness:
Graphic.....<-HP18C><-HP19B><------------Hp19Bii---------->>>>' ' High/Prog.....<---HP38E-->' .....<-----HP38C----
>' ' Med.....<------HP80-------><-------HP37E------>.....<-hp17B><------------HP17Bii----------->>>>' .....<---HP22--->.....<----------
HP12C---------->>>>' ' Low.....<HP70>.....<------------------hp10b---------------------><hp10bii>' ' Printing.....<-HP81-
>????????????' .....<---HP92--->' .....<-HP10->' .....\72/\73/\74/\75/\76/\77/\78/\79/\80/\81/\82/\83/\84/\85/\86/\87/\88/\89/\90/' ' Watch:.....
<---HP01--->'

Re: Graphic time line... - little error?
*Message #2 Posted by **kynes** on 23 Oct 2000, 3:55 p.m.,*
in response to message #1 by Tom (UK)

A cool thing, this overview! And a question: why do you put the HP-16C and the HP-20S into the 'Med'-section instead of the 'Med/Prog'-part? Both are programmable ones, as far as I know.

Re: Graphic time line... - little error?
*Message #3 Posted by **Tom (UK)** on 24 Oct 2000, 7:39 a.m.,*
in response to message #2 by kynes

Yes you are right. I have ammended my time line to put both the HP16C and hp20s in the med/prog section.

Tom

Is this what you had in mind?
*Message #4 Posted by **Dave Hicks** on 23 Oct 2000, 4:36 p.m.,*
in response to message #1 by Tom (UK)

```
Scientific: .............\72/\73/\74/\75/\76/\77/\78/\79/\80/\81/\82/\83/\84/\85/\86/\87/\88/\89/\90/\91/\92/\93/\94/\95/\96/
\97/\98\/99/\00/
Graphic.....................................................................HP28C<-----HP28S---->.........................
<Hp49G>>>
.....................................................................................<--HP48S(X)-><---------HP48G(X)---------
>>>
.....................................................................................................<-------hp38g-------
>>>>
.....................................................................................................................
<hp39g>
.....................................................................................................................
<hp40g>
High/prog.....................<-------------HP67------------->
.......................<---HP65--->........<---------HP41C-------->............<-----------HP42S---------->
................................................<----------------HP41CV---------------->
..........................................................<----------HP41CX---------->
Med/prog.....................................................<-----------HP15C---------->
.........................<-HP55-><-HP29C><-----HP34C---->.....................<---HP32S--><--------------HP32Sii--------------
>>
.....................................................<------------HP11C------------>
...........................<---HP25---><-------HP33E------>
.............................<-HP25C>....<-----HP33C---->
Med................<---HP45---><-HP27-><-------HP32E------>.....................<---HP27S-->
.....................................................<-----------HP16C---------->
.....................................................................<---hp22s-->
.....................................................................<--------------------hp20s-------------------
>>
Low............<---HP35---><---HP21---><-HP31E>........<-HP10C>.....................................................
<hp30s>
Printing...........<---HP46---><---HP91--->
.................................<-HP19C>
.............................<-------------HP97------------->
.................................HP97S
.............\72/\73/\74/\75/\76/\77/\78/\79/\80/\81/\82/\83/\84/\85/\86/\87/\88/\89/\90/\91/\92/\93/\94/\95/\96/\97/\98\/99/
\00/
Buisiness: Graphic.....................................................................<-HP18C><-HP19B><------------
Hp19Bii------------>>>>
High/Prog.............................<---HP38E-->
.........................................<-----HP38C---->
```

```
Med..............<------HP80-------><-------HP37E------>.....................<-hp17B><------------HP17Bii----------->>>>
.........................<---HP22--->...........<----------------------------HP12C---------------------------------->>>>
Low..................<HP70>.....................................................<------------------hp10b--------------------
><hp10bii>
Printing...........<-HP81->???????????
.................................<---HP92--->
.................................<-HP10->
............\72/\73/\74/\75/\76/\77/\78/\79/\80/\81/\82/\83/\84/\85/\86/\87/\88/\89/\90/
Watch:............................<---HP01--->
```

Yep

*Message #5 Posted by **Tom (UK)** on 24 Oct 2000, 7:24 a.m.,*
in response to message #4 by Dave Hicks

Dave,

Exactly, but with an extra new line after 'Scientific ' and 'Business '. I'm sure there are some calcs I may have put in slightly the wrong line, my detailed knowledge is limited to what I pick up from your pages.

The data below includes the hp06(s) and puts the hp30s in the 'medium' section of 'scientific'.

Thanks for formatting it. Could you put this info on a museum page (with any errors corrected and possibly with colored bars for each calc. - indicating rarity as per your prices page?)

Tom Peddle.

Key:

HPxx RPN

Hpxx Mixed

hpxx Non RPN

Scientific:' ' .....\72/\73/\74/\75/\76/\77/\78/\79/\80/\81/\82/\83/\84/\85/\86/\87/\88/\89/\90/\91/\92/\93/\94/\95/\96/\97/\98\/99/\00/' ' Graphic.....
HP28C<-----HP28S---->.....<Hp49G>>>' .....<--HP48S(X)-><---------HP48G(X)---------
>>>' .....<-------hp38g------>>>>' .....
<hp39g>' .....<hp40g>' ' High/prog.....<-------------HP67------------>' .....<---HP65---
>.....<---------HP41C-------->.....<----------HP42S---------->' .....<----------------HP41CV---------------->' .....<----------
HP41CX---------->' ' Med/prog.....<----------HP15C---------->' .....<-HP55-><-HP29C><-----HP34C---->.....<---HP32S--><--------------
HP32Sii-------------->>' .....<------------HP11C------------>' .....<---HP25--><-------HP33E------>' .....<-HP25C>....<-----
HP33C---->' ' Med.....<---HP45--><-HP27-><-------HP32E------>.....<---HP27S-->' .....<----------HP16C----------
>' .....<---hp22s-->.....<hp30s>' .....<--------------------
hp20s------------------>>' ' Low.....<---HP35--><---HP21--><-HP31E>.....<-HP10C>.....<-hp6(s)->' ' Printing.....<---HP46--><---HP91---
>' .....<-HP19C>' .....<-------------HP97------------>' .....HP97S' .....\72/\73/\74/\75/\76/\77/\78/\79/\80/\81/\82/\83/\84/\85/\86/\87/
\88/\89/\90/\91/\92/\93/\94/\95/\96/\97/\98\/99/\00/' ' ' Business:' ' Graphic.....<-HP18C><-HP19B><------------Hp19Bii------------>>>>' ' High/
Prog.....<---HP38E-->' .....<-----HP38C---->' ' Med.....<------HP80-------><-------HP37E------>.....<-hp17B><------------
HP17Bii------------>>>>' .....<---HP22--->.....<----------------------------HP12C---------------------------------->>>>' ' Low.....
<HP70>.....<------------------hp10b-------------------><hp10bii>' ' Printing.....<-HP81->???????????' .....<---HP92---
>' .....<-HP10->' .....\72/\73/\74/\75/\76/\77/\78/\79/\80/\81/\82/\83/\84/\85/\86/\87/\88/\89/\90/' ' Watch:.....<---HP01--->'

I've been thinking about a graphical timeline
*Message #6 Posted by **Dave Hicks** on 26 Oct 2000, 9:03 p.m.,*
in response to message #5 by Tom (UK)

for some time. It's been in the back of my mind pretty much from the start of the museum.

What's held me back is that I really wanted it to be graphical with colored lines and all that and I've never known of a truly efficient way to produce it. There's the obvious way of using a paint program but this is error-prone and really hard to update.

Does anyone know of a nice "time line producer?" Preferably a windows program that would take models, start date and end dates and produce a graph like this? I suspect that Excel can do this if I can just figure out how ;-)

What about Microsoft Project...
*Message #7 Posted by **Reinhard Hawel** on 26 Oct 2000, 11:38 p.m.,*
in response to message #6 by Dave Hicks

A couple of problems
*Message #8 Posted by **Dave Hicks** on 29 Oct 2000, 12:02 p.m.,*
in response to message #7 by Reinhard Hawel

It only accepts dates between 1984 and 2049. Also, while it has many formatting options, I couldn't find a way to get multiple non-overlapping calculators (tasks) on the same line so it would tend to get rather large vertically.

Re: I've been thinking about a graphical timeline
*Message #9 Posted by **Viktor Toth** on 27 Oct 2000, 2:03 a.m.,*
in response to message #6 by Dave Hicks

Dave,

If you don't mind ASCII art, Excel can do pretty good timelines with the REPT function. For something more elegant, try floating bars, but it's a pain to get the format right (using Excel 97; I've not upgraded to Office 2000 yet on my main machine.)

Viktor

Re: I've been thinking about a graphical timeline
*Message #10 Posted by **Dave Hicks** on 29 Oct 2000, 12:08 p.m.,*
in response to message #9 by Viktor Toth

Well I could probably do ASCII art by hand. With Excel's, charts, I'm lost as to how to produce this specific type of chart. It seems like I need a chart with a variable number of columns in each row.

Re: I've been thinking about a graphical timeline
*Message #11 Posted by **Stefan Vorkoetter** on 31 Oct 2000, 12:39 p.m.,*
in response to message #10 by Dave Hicks

What about using HTML tables, one row per calculator, one column per year, and using the colspan= attribute of the <td> tag to stretch things over the years?

Stefan

Re: I've been thinking about a graphical timeline
*Message #12 Posted by **Tom (UK)** on 31 Oct 2000, 7:23 a.m.,*
in response to message #6 by Dave Hicks

I use Excel all the time for work. I'll try to do an example of what may work and e-mail it to you.

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HP-01... how to open it?
*Message #1 Posted by **Gianmaria (Italy)** on 23 Oct 2000, 8:55 a.m.*

I bought a nice HP-01 gold version, it's a nice exemplar complete with stylus pen, presentation case and Owner's Manual. The watch is clean without major scratches but the keys are a little dirt, so numbers and symbols pictured inside aren't really bright and clear.

I am wondering if someone know the clue to disassemble it to have access to the keys and to clean them and may be to repaint the white symbols.

Thanks!

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Graphic time line
*Message #1 Posted by **Tom (UK)** on 23 Oct 2000, 7:59 a.m.*

All,

In idle moments after work I made up the following graphic time line. It has hleped me alot in understanding what HP were doing when.

If the word wrap destroys the chart I can send the text file to the museum if anyone is that bothered. I have marked the original end of each line with a 'q'.

Feedback welcomed.

Key: HPxx RPN calc

Hpxx Mixed

hpxx Non RPN :-(

\76/ Year (with 4 quarters)

Note: This may not be accurate, I obtained the dates from the museum pages for each calc. Someone could improve it I'm sure. Dave: Any space in the museum for such a chart?

Scientific: \72/\73/\74/\75/\76/\77/\78/\79/\80/\81/\82/\83/\84/\85/\86/\87/\88/\89/\90/\91/\92/\93/\94/\95/\96/\97/\98\/99/\00/q Graphic HP28C<-----HP28S----> <Hp49G>>q <--HP48S(X)-><---------HP48G(X)--------->>>>q <-------hp38g------->>>>q <hp39G>q <hp40G>q

<----------HP67---------->q High/prog <---HP65---> <---------HP41C--------> <----------HP42S---------->q <----------HP41CV---------->q <----------HP41CX---------->q

<----------HP15C---------->q Med/prog <-HP55-><-HP29C><-----HP34C----> <---HP32S--><----------HP32Sii---------->>>>q <----------HP11C---------->q <---HP25---><-------

HP33E------>q <-HP25C> <-----HP33C---->q

Med <---HP45---><-HP27-><-------HP32E------> <---HP27S-->q <-----------HP16C---------->q <---hp22s-->q <------------------hp20s------------------>>>>q

Low <---HP35---><---HP21---><-HP31E> <-HP10C>q

Printing <---HP46---><---HP91--->q <-HP19C>q <-------------HP97------------>q HP97Sq \72/\73/\74/\75/\76/\77/\78/\79/\80/\81/\82/\83/\84/\85/\86/\87/\88/\89/\90/q Buisiness: Graphic <-HP18C><-HP19B><-------Hp19Bii------->>>>q

High/Prog <---HP38E-->q <-----HP38C---->q

Med <------HP80-------><-------HP37E------> <-hp17B><-------HP17Bii------->>>>q <---HP22---><----------------------HP12C--------------------------->>>>q

Low <HP70> <----------hp10b---------->>>>q

Printing <-HP81->????????????q <---HP92--->q <-HP10->q \72/\73/\74/\75/\76/\77/\78/\79/\80/\81/\82/\83/\84/\85/\86/\87/\88/\89/\90/q

Watch <---HP01--->q

Re: Graphic time line - ERROR!
*Message #2 Posted by **Tom (UK)** on 23 Oct 2000, 8:03 a.m.,*
in response to message #1 by Tom (UK)

ooooops!

The 'remove unwanted spaces' function has totaly screwed up my chart. Dave - delete if you want. I could add '_' characters to stop it. Anyone interested in this file?

Tom (UK)

Re: Graphic time line
*Message #3 Posted by **Greg Harris** on 23 Oct 2000, 9:27 a.m.,*
in response to message #1 by Tom (UK)

Hey, I Like it, but the presentation could be better ;-) This is of value if it could be shown better.

Re: Graphic time line

*Message #4 Posted by **Viktor Toth** on 23 Oct 2000, 10:58 a.m.,*

in response to message #1 by Tom (UK)

Tom,

If you read the 'advanced formatting techniques' blurb here, you'll find that you'll be able to send preformatted text by enclosing it between a [pre: and a]. For instance:

```
[pre:This is a line...
       and another, indented with 8 spaces.]
```

(To include square brackets so that they actually appear, precede them with a backslash, like this: \[.)

Viktor

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Cleaning and Restoration: Good or Evil?
*Message #1 Posted by **Glynn** on 23 Oct 2000, 12:04 a.m.*

This may be a dumb question to most of you, but here goes:

Is restoration and cleaning a GOOD, or an EVIL thing to do?

I haven't really been COLLECTING, so much as using, and giving a home to, my calculators. But I have been exposed to you all for a while now, and becoming more interested in taking care of and having good examples of the calculator art, HP and others.

And it seems prudent to consider their worth to others in light of the collector market. I am starting to believe that, I too, am sort of a budding calculator collector.

So, anyway, a collector I know here in my town has a HP25c, and he loaned it to me for a day, and it was REALLY GRUNGY.

I had wanted to see a good example of the 25c for myself, and of course I fell in love with it, but wasn't pleased to see its state. It worked, it just looked very dirty and stained and hazy.

So that night, I "did him a favor": I, uh, well, I CLEANED it.

Okay, okay, I am a neatness freak, but I thought I was doing something nice. It is certainly a special calculator, very small and pretty and the "Continuous Memory" script on the front of the keypad, and so I was very careful and lightly went over and over it all completely with lots of cotton swabs and diluted Simple Green.

When I was done, I was proud: I hadn't messed up any of the painted legends, and it was much more readable, squeaky clean, and I thought it looked wonderful-- close to a "new" 25c. I KNEW my friend would be much pleased with the effort.

So, the next day. My collector friend acted a little nonplussed, like I had returned his calculator dead and smoking. He just grunted and looked mad, and left. Eek. And here I am, feeling really

embarrassed.

Really I don't understand-- but would guess that I have somehow dishonored a previously unmentioned collector's code of conduct. Have I possibly hurt his calc by cleaning it? Why?

This has thrown me for a bit of a loop, since I am in the process of restoring a desktop calc of my own, and now wonder if maybe my plans are misguided.

What do you collectors think? Maybe dirt makes it more "vintage"? Would any of you like a grungy calculator BETTER than a clean one?

Is there something about cleaning and restoration my momma didn't tell me? ;-(

Re: Cleaning and Restoration: Good or Evil?
*Message #2 Posted by **Tom Lianza** on 23 Oct 2000, 12:39 a.m.,*
in response to message #1 by Glynn

Your mother didn't restore calculators.

The HP25c machines are not noted for their robustness and I would be very reluctant to start putting dilute ANYTHING on them unless I had completely disassembled it.

These machines are an electrical nightmare and HP should have been ashamed about releasing them. When you look at the original classics, they were tough as nails. The woodstocks were not nearly the same quality.

I would certainly ask someone's permission before cleaning the machine. I certainly would not use simple green and water near anything electronic.....

Re: Cleaning and Restoration: Good or Evil?
*Message #3 Posted by **Glynn** on 23 Oct 2000, 3:04 a.m.,*
in response to message #2 by Tom Lianza

Hmm, yes, Tom, I deserve the criticism of my cleaning methods probably as much as the philosophical aim, I suppose....

Having cleaned some of my own calculators before with the same dilute Simple Green and q-tip method, and taking care in cleaning his HP-25c the way I would have if it had been my own, I was not particularly feeling I had taken any risks. If anything, I was confident that I knew HOW to do it well. (And I am certain, if you had watched me doing it, any fears you have regarding my use of water/SimpleGreen near electronics would have been allayed. I

used about 150 q-tips to do it, and nothing ever went where I did not specifically WANT it to go...)

But I certainly did not mean to vex my friend, either, and perhaps you have hit upon all or part of his anger; that it was a concern over HOW it was done, and that I might have ruined it FUNCTIONALLY.

And certainly, you are right that I SHOULD HAVE asked his permission to clean it. I know that now. I shall apologize to him for having messed with his machine in a way he hadn't supposed I would when he let me borrow it. I hope he can get over my insensitive error-- I like him as a knowledgeable fellow calculator enthusiast, and someday hope to make up to him for my blunderous ways.

I guess I wish further guidance about the very issue of calculator cleanliness, though, and what "the collector community" thinks is valuable aesthetically.

Vintage dirt and flaws, or a detailed return to former glory?

Did I ruin anything of the HP25c's APPEARANCE, from a collector's perspective, in cleaning it?

Let me mention that desktop calc I told you previously I was trying to 'restore'.

I happen to have, among other things, a very old and imperfect 9100A. It was stored for years in a closet, back when I didn't even know it was more than just a particularly bulky desk calculator that stored numbers and held them even unplugged. (It used to bow the top of my desk with its weight, so in the closet heap of equipment it went!)

Now I want my calculators to be "as new" and perfect as they can be-- and so I got some with power problems fixed, have been locating accessories and "doors" and such for others, and testing things out on them. And yes, I have been cleaning them. The one I have been trying the hardest to really get "perfect" has been the 9100a.

I have been going to the trouble, for instance, of contracting to have a "D"-shaped wheel cast in 70-hardness silicone rubber specially made for the card-reader to work again (I just found out the cost: will be nearly $100 by the time I get it); of locating some thin transparent green glass (from a stained-glass supplier) so I can silkscreen the X-Y-Z register legends slide that was scorched and melted... and trying to get a broken bakelite incandescent bulb sconce re-made (in ceramic, since no one seems to do bakelite anymore), and buffing small scratches out of the acrylic screen area, etc.

All this stuff is meticulous and time-consuming and a lot like restoration of an antique car to

showroom status. (A Deusenberg collector wants his pride to be correct, driveable AND shiny; but an antique furniture collector would be silly to refinish and reupholster that beat-up LouisXIV chaise, even by using antique materials and methods--- a philosophical difference in the collector value of "visible age" as a determinant of authenticity and collectability. I guess I am following the Deusenberg collector philosophy...)

And, believe it or not, I was actually debating whether to remove and sand-blast the 9100a's cast-aluminum cover and then give it a fresh coat of HP-beige enamel paint, to replace the yellowed, scarred, chipped, sticker-goo-marred surface I got it in.

I am trying to do this restoration first-class. I want it to be both AS FUNCTIONAL and AS BEAUTIFUL as the day it was delivered to the original owner.

But if any or all of this hurts the value of the calculator to the collector, I need to know this-- so I know at least whether I am actually "restoring" my baby, or merely "customizing" it.

(Maybe I should paint it metallic purple with orange flame-stripes down the body, if all I am doing is wasting the value anyway).

Any collectors here understand what I am talking about? Would any of you be doing the things I am to my 9100a, or do you think I'm foolish to try? The merits of the cleaning method being excluded for a moment, is it simply better to have, as my collector friend had, a scuzzy calc with its original dirt intact?

As a FUNCTIONAL issue, I believe that most of you would do at least some of what I am trying to do, even if it wasn't just "stock". If not, wrapping cracked posts in 41 bodies and looking for a replacement for Katie's printer gear and people using model-airplane tubing in a card-reader just wouldn't come up. You try to make it as good as new, FUNCTIONALLY. Do you collectors have a view, though, that painting the 9100a back to its original color would be a mistake?

Re: Cleaning and Restoration: Good or Evil?
*Message #4 Posted by **Katie** on 23 Oct 2000, 10:12 p.m.,*
in response to message #3 by Glynn

Glynn,

Being somewhat of a clean freak myself, I completely sympathize with your feelings. However, I've also been in the situation of borrowing other people's grungy calculators and have had to resist the temptation to clean them. It's not so much because of the potential of damaging them, it's just that some people like to keep them as is and some people just like them dirty. It's not too far a stretch, I think, to imagine that you sat at a messy co-worker's desk for a day and decided to do her a favor and clean it up!

Personally, I like to do whatever internal repairs are needed then carefully clean the outside of the cases. But I stop short of painting or otherwise retouching them, with one exception; I remove scratches on the lens and polish it. It's very easy to do, and goes a long way to improve the overall appearance of the calculator without much chance of damage.

-Katie

Re: How do you remove scratches
*Message #5 Posted by **Mike Davis** on 26 Oct 2000, 8:55 a.m.,*
in response to message #4 by Katie

You say you remove the scratches and polish the display. How do you remove scratches from the display?

Re: How do you remove scratches
*Message #6 Posted by **Todd Garabedian** on 26 Oct 2000, 1:17 p.m.,*
in response to message #5 by Mike Davis

I've had good results using plastic polish. This stuff is generally designed for automotive use, but works well on any plastic. I use the 3M brand that I buy at an auto specialty store.

Re: How do you remove scratches
*Message #7 Posted by **Katie** on 26 Oct 2000, 3:44 p.m.,*
in response to message #5 by Mike Davis

I haven't come up with a really good way to remove very deep scratches. Surface ones and those that are not too deep I remove by (don't cringe) sandpapering out the scratch using #1500 ultra-fine silicon carbide paper (most hardware stores sell this) then polish it with Novus #2 plastic scratch remover (someone on ebay has this out there perpetually, along with the #1 and #3 stuff). You can skip the sandpaper for extremely light scratches.

-Katie

Re: How do you remove scratches
*Message #8 Posted by **Jorge** on 27 Oct 2000, 4:36 p.m.,*
in response to message #7 by Katie

How do you remove scratches from the aluminum bezel of the HP-11? The scratches are light but many.

Re: How do you remove scratches
*Message #9 Posted by **Erik Wahlin** on 27 Oct 2000, 6:16 p.m.,*
in response to message #7 by Katie

I also use 1500 grit sand paper, and then I use SIMI chrome polishing compound. This stuff works great on plastic lens'.

Re: Cleaning and Restoration: Good or Evil?
*Message #10 Posted by **John Robinson** on 24 Oct 2000, 3:09 a.m.,*
in response to message #3 by Glynn

Personally, I like the "metallic purple with orange flame-stripes" paint scheme - go for it !!

Good and Evil and Life Everlasting

*Message #11 Posted by **Glynn** on 26 Oct 2000, 1:54 a.m.,*
in response to message #3 by Glynn

Thanks all for your considered responses. Tom, Katie, Jim, Todd, John; thanks for the guidance. No, the 9100a will NOT be metallic purple any time soon (but the "flame stripes" WOULD cover a nasty scratch... maybe-- naw). ;-)

Actually, instead of painting it, maybe I will check into the possibility of having that aluminum cover just professionally (steam?) cleaned. That way I could have a calculator that looks mostly new, but for standard wear/tear. I guess that is one sort of compromise that collectors make, mainly to preserve the value to other collectors.

But if you collectors and owners don't mind answering further probing questions:

If someone were to make NEW 41 or 71 or 75 port-covers for the ones you are missing, would you buy them? Or a new replacement red acrylic lens on your classic? Or a new integral battery pack/cover, for your woodstock with the missing one?

Or, if a small manufacturer could make replica Classic display-LED arrays, would you consider replacing non-functional digit elements with new but non-HP ones?

Would you consider it a fraud if you bought a 35 on eBay, and on opening it, found the display part was made in 2000 by Foobartronix Ltd.? Or would you rather have that than a calc whose third and seventh digits have missing bars?

If you had a box of three calculators of one model, all defective in different ways, who among you would take the good pieces from each to fashion one non-defective calculator? Should it wear the lowest serial number, or the one that matches the majority of the electronics, or does it even matter?

If someone showed you (with "Before" pictures) that they had repainted some faded legends on the face of their calc, and the job was so detailed and exact you could not differentiate between their restored legending and the best original, would you "count off" or refuse to buy that calc, or think they had done a Good thing?

If someone had invented a kit that "hot-rodded" a standard calc... let's say they invented a small internal board to connect into the guts of a Spice, allowing it to communicate with a serial-port-modified power pack, so it could upload/download programs from a pc via the charge-port connector (hmm, superimposed data on power, it would be possible, btw)-- so how many of you would modify a calc for a desirable quality like

intercommunicability? Or does anyone view that as a sacriledge?

If your calc could be fitted with a much more capable/longer use-time Lithium-Ion power pack instead of the old NiCads, but meant using a different power brick than the one that came with the machine, would you go for it, or prefer to stick with the NiCads?

I'm going to say, for myself, I STILL answer all the above questions pretty unilaterally: I want calculators that work and act and look as new as they can, even including upgrading and so on.

I suppose that means I am NOT a Collector, as such. I can guess most of you will be wary of my kind. ;-)

I'd always rather have had HP continuing to make my favorites, so I could pick up a brand-new 41CX (or its rightful successor) at my local dealer ad infinitum. I would always buy second-sourced but NEW media over ragged original tapes, if it were available. And any means to repair and restore functionality to my old machines would get a fair look-- I won't EVER care to own a machine that doesn't scan several of its keys or display its results adequately, except maybe as "fodder" for parting out and repairing other calcs.

So how far do all YOU "real" collectors go in defining yourselves? Could I get a poll here? (Confidential if you pseudonymize). I just want to know your gut feelings about what you consider valuable or "essential" about your collection and the way you approach it...

Re: Good and Evil and Life Everlasting
*Message #12 Posted by **Viktor Toth** on 26 Oct 2000, 9:00 a.m.,*
in response to message #11 by Glynn

> NEW 41 or 71 or 75 port-covers [...] would you buy them?

Yes.

> a new replacement red acrylic lens on your classic?

Yes.

> Or a new integral battery pack/cover [...]?

Yes.

> replica Classic display-LED arrays

Aren't those still available from HP? In any case, my answer is again Yes.

> Would you consider it a fraud if you [...] found the display part was made in 2000 by Foobartronix Ltd.?

No.

> who among you would take the good pieces from each to fashion one non-defective calculator?

I do that regularly. I consider it my sacred duty to bring machines back to life.

> serial number [...] does it even matter?

Not much; I try not to mix invalid serial numbers, e.g., I won't put a Woodstock back with a 1975 label on an HP-29C. Or, I won't but a 1979 back on an HP-97 that has the early version's SIN bug.

> repainted some faded legends [...] they had done a Good thing?

Yes.

> If someone had invented a kit that "hot-rodded" a standard calc...

Not for me, thanks. I'm after these calculators the way they were. By way of analogy, if you have a vintage Ford Model-T, there's a huge difference between putting new sparkplugs in, or replacing the engine with a computered, fuel-injected modern unit.

Note that I am not against modifications that are of the same vintage as the calculator itself. E.g., an HP-45 modified with a quartz crystal is okay with me. In fact, I even have the right HP-45 (somewhat battered, but working fine) for this purpose, I just can't find a darn crystal with the right frequency.

> fitted with a much more capable/longer use-time Lithium-Ion power pack

Fine with me, since batteries are consumables anyway.

Viktor

Re: Good and Evil and Life Everlasting
*Message #13 Posted by **db (martinez, california)** on 26 Oct 2000, 11:29 a.m.,*
in response to message #11 by Glynn

glynn; sorry, but i'm too lazy to itemize my answers. i also believe that calculators should operate, whatever has to be done to them (or be used for parts). so i guess my answers would all be the same as yours. my 21 looks like its got a frankenstien bolt in it's neck thats a new plug for a 220 source (when in la paz, do as the paceneos), but it works fine. im glad there are collectors but to me; my 41's are the best tool for the job, no more. whatever works...

Re: Good and Evil and Life Everlasting
*Message #14 Posted by **Rich Murphy** on 26 Oct 2000, 12:06 p.m.,*
in response to message #11 by Glynn

"I'm going to say, for myself, I STILL answer all the above questions pretty unilaterally: I want calculators that work and act and look as new as they can, even including upgrading and so on."

I would not want most of the modifications you mentioned. The exception might be the "hot rodded" calc that I might want IN ADDITION to a real unmodified sample if I wanted to use its new functionality. (I wouldn't mess up a calc like that myself though unless it was a very common model.)

100% functional all original, good looking calculators are not that hard to find. If I get stuck with one that isn't, I can always sell it at a profit on ebay.

Re: Good and Evil and Life Everlasting
*Message #15 Posted by **Dave Hicks** on 26 Oct 2000, 9:51 p.m.,*
in response to message #11 by Glynn

My solution to all your questions is to concentrate on working, all original mint to near-mint calculators. When I acquired anything else I always wanted to replace it with something better anyway. I would consider it fraud if someone was knowingly selling calculators with new LEDs on eBay without revealing this in the auction listing. (Same thing goes for an expensive Swiss or vintage American watch with a quartz movement inside.)

However, you should approach this in whatever way makes you happy. I have purchased some old plastic kits from the 1970s and… **gasp!**… built them. For those

that don't know, building a kit lowers its collecting value immensely. However, I wanted built kits - not an investment in plastic parts. Likewise, some people have their watchmakers install quartz movements in their old wristwatches to make them more reliable and accurate. This can change the value of a watch from thousands to tens of dollars but some folks just want to know the time.

Re: Good and Evil and Life Everlasting

*Message #16 Posted by **Stefan Vorkoetter** on 30 Oct 2000, 2:16 p.m.,*
in response to message #11 by Glynn

I started "collecting" HP calculators when my trusty HP-42S started having an intermittent "9" key. The 42S wasn't my first HP (I used to have a 41CV, which for some inexplicable reason, I sold when I was in grad school). Anyway, I e-mailed all my co-workers to see if anyone had any old HPs lying around, and got a reply from the company president (who was also my grad supervisor years ago) that he had not one, but three HP calculators that (a) he no longer used, and (b) didn't work: an HP-19C, an HP-21, and an HP-41CX. He wanted to keep the 21 for nostalgia reasons, but _gave_ me the other two.

The 19C required a bit of work to get working again: new battery pack, cleaning of contacts, fixing some broken wires, repairing the battery hatch (someone had broken off the tabs). After that, everything worked except two pixels of the print-head don't work. I attempted to repair that with conductive paint under a microscope, but was unsuccessful. Other than that, the calculator is in good working condition. I didn't do much cleaning because it wasn't really all that dirty.

The 41CX required more work. If you search the Museum, you'll find my article on repairing it. I think the work I did on it would definitely be considered blasphemy by some of the more picky collectors. But it is now in perfect working order, and looks nearly new.

Since then, I've bought a few HP's on eBay too: a 32E and a 34C. The 32E was working, but EXTREMELY filthy and smelly. I completely disassembled it, washed all the plastic parts in soapy water, cleaned the corroded contacts, made up a new battery pack, and put it all back together. I did not fix a missing bit of plastic along the bottom edge of the case, and I did not touch up the lettering around the on-off switch. It is now in perfect working order.

The 34C required more work. It was one of the ones where the chips were held against a flexible circuit board by a plastic frame, and like many of that construction, it wasn't working. It was also filthy, and the internal mounting posts were cracked. I completely disassembled it, cleaned all the plastic, repaired the cracked posts, and

then (gasp) ... carved away plastic from the chip-frame to allow more room where each pin contacts the circuit board and surface-mount-soldered all the chips to the flexible board. The result is a nearly-new looking, perfectly working HP-34C.

You may notice a common trend in all my calculator restorations: "perfect working order". My collection doesn't sit in a drawer. At any given time, at least two or three of the calculators are in circulation. The HP-34C is on my desk (I do a lot of model airplane and electronics design work). The 32E is on my workbench where I use it when calculating things on the spot when building airplanes and circuits.

The 19C gets used the least, because it's so large, and doesn't do anything one of the others can't do. The 41CX gets used a fair bit to do more complex things the 34C can't do. I still use the 42S occasionally simply because I have some programs in it that I haven't bothered translating to one of the other machines.

I would say my most-used calculator is the 34C. It certainly isn't mint, and if I were ever to sell it (or any of my collection), I would disclose all work I'd done on it. But if I hadn't done the work, the calculator would be grungy and non-working, and I don't see the point of having it then.

Stefan

Re: Good and Evil and Life Everlasting
*Message #17 Posted by **db (martinez, california)** on 30 Oct 2000, 11:20 p.m., in response to message #16 by Stefan Vorkoetter*

stefan; i think i know what you mean. when i was a kid i once asked my dad where he got the old worn-almost-out 3 blade pocket knife that he always carried. he told me that my grandpaw sturm (moms dad) had given it to him. i said that he should probably put it away and keep it safe because it was soooo old (mabye 20 years!). he told me that it wouldnt mean much to him if he couldn't use it. thats how i feel now about using his old plumb wrenches and my 41. he eventually wore out that knife and i've split a couple of sockets (and dinged up the hp). it's that some tools just work better...

Re: Good and Evil and Life Everlasting
*Message #18 Posted by **Andrés C. Rodríguez (Argentina)** on 31 Oct 2000, 7:56 a.m.,*
in response to message #17 by db (martinez, california)

db:

I could not agree more. When I attended college (circa 1878), some classmates treasured their HP25, only bringing them to class for final exams (sort of a magic token, since they were not familiar enough with them, they hardly know how to program them).

As per myself, I literally used my HP25 always, risking it to fall over a flight of stairs (once, it survived), wearing off some of the lettering and, finally, lending it to a friend from whom it was stolen. I miss it a lot, but while I had it, it was used 110% !

I was a little more cautious with my HP41C, always used it with an overlay to protect keyboard legends, but otherwise opened it, studied it, interfaced it... When battery contacts corroded, I soldered (very carefully) two wire wrap wires to secure power from the batteries, and when the card reader failed, I replaced the roller and soldered loose magnetic heads wires. It is preferrable to have and use these useful tools than just to adore them. And careful use is not incompatible with good cosmetic state.

Now, if some of my '78 classmates still have one of those mint, never programmed HP25...

Re: Good and Evil and Life Everlasting
*Message #19 Posted by **Glynn** on 1 Nov 2000, 1:34 a.m.,*
in response to message #18 by Andrés C. Rodríguez (Argentina)

Thanks all who responded. I have to admit I am both surprised and pleased. I thought I might get a lot of responses which, without so much saying it, might have suggested my approach to calculators was way out of line.

Now as I see it, there ARE, as Jim stated, a few different philosophies, and yet I am seeing they co-exist pretty well. Even my own attitude is getting more "moderate" now that I see that "too much cleaning" and "too much restoring" are possible, too.

I apologized to my collector buddy for attempting to clean his calculator... and he agrees totally with Katie, too, that some folks just prefer them dirty, and that I returned to him a calculator he could not even be sure was HIS. Ooops. I now see where my thinking I was doing a cool thing was just not thinking of him.

I will always like my own calcs clean, but I will keep those activities strictly to my own collection... ;-)

Re: Cleaning and Restoration: Good or Evil?
*Message #20 Posted by **Jim** on 23 Oct 2000, 1:29 p.m.,*
in response to message #1 by Glynn

It's a personal thing.

In all collecting fields I know, there are people who want the item "as found", others who want it "clean but all original" and others who want it to be "as new even if that requires modifications, unoriginal parts, paint etc.".

The middle group seems to be most common, but the first group is very firm in their beliefs. The last group breaks down into people willing to make repairs for cosmetic vs functionality reasons but both seem to bug people in the first groups.

A lot of the HP's I've seen have become shiny from too much cleaning so be careful.

Re: Cleaning and Restoration: Good or Evil?
*Message #21 Posted by **Todd Garabedian** on 24 Oct 2000, 9:37 a.m.,*
in response to message #20 by Jim

Since we've broached the topic, does anyone know how to get rid of smoker's smell in a calculator? Some calculators I've acquired were previously owned by smokers, and the ciggy stench has permeated the calculator leaving it with a pungent aroma! I've had fairly good results with smelly manuals just letting them "air out", but is there a faster way to "de-smoke" a calculator?

-Todd

Re: Cleaning and Restoration: Good or Evil?

*Message #22 Posted by **Katie** on 24 Oct 2000, 11:38 a.m.,*

in response to message #21 by Todd Garabedian

Hi Todd,

I use some stuff called Citra-Solv that I found at the local Food Emporium. It works great for getting rid of tar and most glue residues. I've cleaned the cases of several smokers' calculators with this and it's totally amazing how much tar comes off! It'll get rid of the smell completely, but it leaves its own orange peel smell behind. That'll dissipate in a couple of days or you can clean it off with whatever you normally use to clean calcs with.

-Katie

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HP48gx to computer connection problem

*Message #1 Posted by **r. d. bärtschiger.** on 22 Oct 2000, 7:58 p.m.*

I have recently experienced an intermittent problem connecting my HP-48gx to my computer. When I run Kermit on the computer I receive an error message '?Warning: unknown hardware for port. Using the Bios as BIOS1'. At this point it becomes impossible to execute a transfer between the two devices. Usually simply re-booting would solve this problem, or on occasion it might be necessary to shut down the computer then turn it on again and reboot. Lately, however, it has become necessary to remove 'com1' from 'system properties, device manager' and then re-install 'com1' by re-booting the computer. After this procedure all is again well. I am using MS-DOS Kermit: 3.15 15 Sept 1997 patch level 0, downloaded from the kermit site. After receiving the above error message, although I can not transfer any files, I am still within Kermit. At this point if I execute 'test com1', another error message is returned, 'Not an 8250 UART at this COM port'. After re-installing the com port, entering Kermit and again executing 'test com1', the response is 'UART tests ok'. So far I have been unable to isolate whatever it is that triggers this error condition.

Does anyone have any idea about what the problem might be? Thank you for your time.

rdb.

Re: HP48gx to computer connection problem

*Message #2 Posted by **Iqbal Mohammed** on 23 Oct 2000, 3:33 p.m.,*
in response to message #1 by r. d. bärtschiger.

You should use a Windows based Kermit program like Hyperterminal as I did. I am not sure your MSDOS kermit program can support windows.

Good luck.

Re: HP48gx to computer connection problem
*Message #3 Posted by **r. d. bärtschiger.** on 23 Oct 2000, 7:26 p.m.,*
in response to message #2 by Iqbal Mohammed

Thank you for your response.

I have been using this method for over five years, under w95 and now w98. This problem has only recently occured. I don't think hyperterminal or other such programs would work in my situation. I need to execute the transfer program from within a batch file so that it will execute automatically.

rdb.

Re: HP48gx to computer connection problem
*Message #4 Posted by **Iqbal** on 25 Oct 2000, 5:56 a.m.,*
in response to message #3 by r. d. bärtschiger.

It is possible that you may have an IRQ or memory address conflict. That is usually the case when dealing with serial devices. 1. Ensure that your BIOS is set to "Plug and Play OS" 2. Set the IRQ and memory address for your serial ports to be autodetected and remove all of your serial ports from the system applet of control panel. 3. Reboot and Windows will automatically detect your new settings and reinstall the serial ports.

This problem usually manifests itself when you add a modem or some other piece of internal hardware.

Hope this helps. Iqbal

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Odd 12C Variation

*Message #1 Posted by **Mike Davis** on 22 Oct 2000, 7:51 p.m.*

I have read on the HP Museum site that 11C, 15C and 16C used 12C keys that were repainted. Presumably because they have so many parts for the 12C. But I have a different variation.

I have a 12C that has the entire 15C key layout that has been painted to be a 12C. All of the 15C keys that are different from the 12C can be seen under the 12C layout. They are in their 15C positions..

I don't see that variation mentioned on the HP Museum site. Just curious how unusual that combination is?

Re: Still wondering...

*Message #2 Posted by **Mike Davis** on 24 Oct 2000, 6:52 p.m.,*
in response to message #1 by Mike Davis

How common it is to have a 12C that has a repainted 15C keyboard? Don't see that variation on the HP Museum site.

It's hard to say

*Message #3 Posted by **Dave Hicks** on 29 Oct 2000, 12:12 p.m.,*
in response to message #2 by Mike Davis

I assume most are bought and sold without either party noticing this.

Re: I'm sure that's the case but...

*Message #4 Posted by **Mike Davis** on 30 Oct 2000, 2:40 a.m.,*
in response to message #3 by Dave Hicks

This is a subject that collectors are aware of. There is mention of it on the HP Museum site. But there is no mention of the full 15C keyset under a 12C.

Check the collector's corner page
*Message #5 Posted by **Jim L** on 30 Oct 2000, 12:15 p.m.,*
in response to message #4 by Mike Davis

There's all sorts of stuff including repainted 12Cs there.

Re: I already did but there is no mention
*Message #6 Posted by **Mike Davis** on 30 Oct 2000, 1:51 p.m.,*
in response to message #5 by Jim L

I already did before posting this thread. There is mention of 12C keys being used on other models but there is no mention of 12C key legends being painted over a 15C keyboard.

That is why I posted the question.

I guess I'm not getting the distinction
*Message #7 Posted by **Jim L** on 30 Oct 2000, 3:43 p.m.,*
in response to message #6 by Mike Davis

Between what you're saying and what the collector's corner is saying. Sorry.

Re: I guess I'm not getting the distinction
*Message #8 Posted by **Mike Davis** on 30 Oct 2000, 8:23 p.m.,*
in response to message #7 by Jim L

The collector corner says that 12c keys were painted over to make 11, 15 and 16 models.

But it does not say that other models being painted over to make the 12C.

That's not the way I read it
*Message #9 Posted by **Jim L** on 30 Oct 2000, 9:30 p.m.,*
in response to message #8 by Mike Davis

It seems to me to mention both.

Read this and let's talk about something else!
*Message #10 Posted by **Jim Hofstra** on 31 Oct 2000, 9:46 a.m., in response to message #9 by Jim L*

Late versions of the HP-11C, 15C and 16C were made with HP-12C keys that were repainted. Some HP-16Cs had HP-12C keys that were first repainted to be HP-15C keys and then repainted to be HP-16C keys. The picture below shows an HP-16C "F" key over an HP-12C "CHS" key. NOTE: Some HP-12Cs also had keys that were repainted.

That last sentence should end the matter. 12C's are mentioned as having repainted keys. I have several. They are not hard to find.

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free to a good home
*Message #1 Posted by **db (martinez, california)** on 22 Oct 2000, 2:02 p.m.*

i remember a few people here have asked about disks for the IL disk drive. i found a dozen of what i think are the 3.5" 720 type disks (sony mfd-2dd / one hole on the left) at a charity junk sale for a buck. they are like new and had been used in a mac. if someone(s) thinks these will work and wants them; e-mail me and we'll figure out how to send them to you.

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What manuals came with 41CV
*Message #1 Posted by **Mike Davis** on 22 Oct 2000, 1:47 a.m.*

I know the HP-41CV Owner's Manual, Basic Operations came with it but I have also seen:

1) HP-41CV Operations in Detail which is listed as an option

2) HP-41C Owners Handbook and Programming Guide

I don't find any mention of the Progrmming guide listed as an option. Was that included with all 41s?

What is the original documentation set for a 41CV?

Thanks

Re: What manuals came with 41CV
*Message #2 Posted by **Wayne Brown** on 23 Oct 2000, 8:04 a.m.,*
in response to message #1 by Mike Davis

My 41CV came with the following:

"HP-41C/41CV Operating Manual: A guide for the Experienced User"

"HP-41C/41CV Owner's Handbook and Programming Guide"

"HP-41C/41CV Standard Applications"

"HP-41C/41CV Quick Reference Guide"

My 41CX came with:

"HP-41CX Owner's Manual Volume 1: Basic Operation"

"HP-41CX Owner's Manual Volume 2: Operation in Detail"

"HP-41CX Quick Reference Guide"

I'm guessing that the 41CV "Basic Operations" and "Operations in Detail" that you mentioned were for later CV models that were introduced after the CX was in production.

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Solver advice needed
*Message #1 Posted by **Tom** on 20 Oct 2000, 8:29 p.m.*

I want to chose a calculator witha powerful solver. Can you give me some advice?

Re: Solver advice needed
*Message #2 Posted by **Todd G.** on 20 Oct 2000, 10:33 p.m.,*
in response to message #1 by Tom

Well, firstly, are you doing business calculations or science calculations? Also, do you prefer algebraic-type entry, or RPN?

Re: Solver advice needed
*Message #3 Posted by **Tom** on 22 Oct 2000, 6:00 a.m.,*
in response to message #2 by Todd G.

Any. I just want to select a calculator with a very good solver.

Re: Solver advice needed
*Message #4 Posted by **kynes** on 22 Oct 2000, 10:21 a.m.,*
in response to message #3 by Tom

In my opinion the HP-17BII/19BII have a very good solver inside with some useful things. Both are financial calculators, but the 19BII has also a rich set of scientific functions. But both are not 'real' programmable, and they are not the cheapest. For a description and an example of the solver look at www.rskey.org . The HP-32SII also contains a solver, it's a scientific calculator, with the ability for real programming. The solver is a more simplified version, but it is possible to define a programm as a function (the [FN=] - key). And the 32SII is not so expensive. And at last I know the solver of the HP-49G, there are some powerful tools for solving equations numeric and symbolic, solving equation systems, differential equations etc... - the highest power for the highest price ;-) Hope you find the right tool, with best regards

kynes

Re: Solver advice needed
*Message #5 Posted by **Todd** on 22 Oct 2000, 3:59 p.m.,*
in response to message #3 by Tom

OK, well you should know that the calculators have different functions, so if you need those functions, you have to get that calculator. I agree with Kynes that the 19BII is a slick unit if you want a good solver AND both financial and math functions. Keep in mind, the 19BII is a financial calculator and does many things, but it does not do super heavy duty math or statistics. That solver is probably one of the best and easiest to use.

Todd

Re: Solver advice needed
*Message #6 Posted by **Katie** on 22 Oct 2000, 4:08 p.m.,*
in response to message #3 by Tom

I think that the solver on the 100LX/200LX is the best one that HP has ever come up with. It has many of the scientific function, all the financial ones and integrates with the built-in Lotus 1-2-3 program. It's also extremely fast, has built-in help and is simple to use. It's too bad that they stopped making the 200LX, but they're easy to find on ebay.

-Katie

Re: Solver advice needed
*Message #7 Posted by **Ron Ross** on 22 Oct 2000, 7:11 p.m.,*
in response to message #6 by Katie

The Solver on the HP200 is the same as the HP19bII with the addition of the Lotus 123 interface. Just extra info.

Re: Solver advice needed
*Message #8 Posted by **bill** on 23 Oct 2000, 2:33 p.m.,*
in response to message #6 by Katie

i will second the 200LX as an excellent solver. most of the basic data reduction and design programs of my 41CV have been ported to the 200LX solver.

i know this is primarily a vintage calculator site, but is there any interest in adding a 200LX equation library to the software archives? there is a collection at palmtop.net, but there's always room for a new one if it will attract useful/interesting programs.

LX 100 / 200 ...
*Message #9 Posted by **Andrés C. Rodríguez (Argentina)** on 23 Oct 2000, 6:52 p.m.,*
in response to message #6 by Katie

The LX-100 / LX-200 are fine machines indeed. I had a LX-100 which somebody took from my car two years ago. Now I just bought a mint condition LX-200 from a friend, it is almost new!

Its calculator application is very good. I remember I could not believe it when HP announced the LX-300 series (Windows CE instead of DOS) and DIDN'T included any reasonable calculator application!

Re: Solver advice needed
*Message #10 Posted by **Brendon Nafziger** on 23 Oct 2000, 9:34 p.m.,*
in response to message #3 by Tom

Although many folks seem to not like the hp48 series, I have found the Solver application on my SX to be very simple to operate and use it frequently at the office. The number of equations that can be stored for later use is almost limitless and the menu-driven subdirectory memory system makes finding what you want easy. In addition, there are many shareware programs out there that can add additional functions. The best part for a potential buyer of a 48 series is that they have not achieved "collector" status on eBay yet and can be purchased quite reasonably, especially the older S and SX models.

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Ebay seller using MoHPC 12c picture...suggestions?
*Message #1 Posted by **Gene Wright** on 20 Oct 2000, 4:50 p.m.*

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=471255650

Re: Solution
*Message #2 Posted by **Anonymous** on 20 Oct 2000, 4:52 p.m.,*
in response to message #1 by Gene Wright

Post a bid; Become the high bidder; Cancel the bid; State that it was because of deception.

Re: Ebay seller using MoHPC 12c picture...suggestions?
*Message #3 Posted by **Dave Hicks** on 20 Oct 2000, 8:40 p.m.,*
in response to message #1 by Gene Wright

Thanks Gene! I sent him a note and he has clarified the source of the picture.

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HP Forum Archive 04

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HP-35 Red Dot - Is this authentic?
*Message #1 Posted by **Anonymous** on 20 Oct 2000, 3:58 p.m.*

There is a photo of an HP35 Red Dot on EBay. I know there is text about the serial number matching but what I wonder about is:

1) The picture on the HP Museum site shows the Red Dot hole about the same size as the "ON" text and centered. The one on EBay is about 50% larger and is not centered on the "ON" (offset low).

2) The switch is in the "ON" position and the dot is not visible, yet in the original photo, it is visible.

Is there a specified serial number range that positively identifies a Red Dot?

Does the 2501 positively mean it is a Red Dot?

Were there hole size variations?

Why would the dot not be visible in the ON position?

I do know of one person who made a fake one
*Message #2 Posted by **Another anonymous** on 20 Oct 2000, 4:25 p.m.,*
in response to message #1 by Anonymous

It was not me, but a one-time friend made a fake red-dot HP35 by carefully drilling a hole into the keyboard and monkeying around with the on/off switch.

he said it would be impossible to tell the difference.

However, he was in a different part of the country than the seller on ebay right now, so I have no knowledge that this is false in this instance.

There is, though, one fake HP-35 red dot out there...

So do I
*Message #3 Posted by **Jim** on 20 Oct 2000, 4:59 p.m.,*
in response to message #2 by Another anonymous

But I don't know if the ebay one is one of these.

Re: HP-35 Red Dot - Is this authentic?
*Message #4 Posted by **Peter** on 21 Oct 2000, 12:59 a.m.,*
in response to message #1 by Anonymous

I am looking at a red dot HP35 right now that I know to be authentic. The seller on eBay has posted a lot of additional extreme close-up photos on the auction. It is very difficult to see much difference from the hole of the eBay 35 and the one I am holding. It looks to me like the OFF and ON letters are a little higher than the one on eBay, but the difference seems extremely minor.

I will say that the serial number tag on the eBay 35 matches pretty close to the red dot 35 I am holding. I have a second edition 35 with the red dot missing but that still has the raised bump on the '5' key. The serial number on the red dot 35 I have has smaller serial number sizes than the second edition model, just like the one on eBay. My second edition 35 has smaller text size for the 3.75V, Hewlett-Packard, Made in USA, patent pending than my red dot 35 tag text and the one on eBay.

HP 35 almost a red dot
*Message #5 Posted by **Erik Wahlin** on 21 Oct 2000, 1:28 a.m.,*
in response to message #1 by Anonymous

I am working on a very old HP-35 for a friend. This calculator has a similar serial number decal as the one on ebay. The # is 1143A 27162.(Ebay calc has serial # 1143A 02501). The interesting thing about this calculator is that, although it is not a HP red dot, the on/off slider switch has a red dot on one side of it! Of course the calculator must be taken apart to see this. The cpu board connection is also different than the standard classic boards. The cpu board (date code 3-72)on this calculator has sockets instead of holes for the keyboard pcb pins. Also the black backbone is in three parts/pieces, instead of one like all the other classics.

HP 35 red dot and bug CPU

*Message #6 Posted by **Erik Wahlin** on 21 Oct 2000, 1:44 a.m.,*

in response to message #5 by Erik Wahlin

One curious thing I noticed between the calculator that I am working on and the HP-35 red dot on ebay is that the back label on the calculator I am working on ser. # 1143A 27162 has HP-35 INSTRUCTIONS at the top of the label. The red dot calculator on ebay has HEWLETT PACKARD HP-35 INSTRUCTIONS, like the later HP-35's. This makes me wonder if the calculator was serviced by HP maybe to replace the CPU board that had the ln (2.02) bug. It might be worth asking the red dot owner to check for the bug. Take the natural log of 2.02 and then press e^x and you get 2. instead of 2.02.

I have another older HP-35 w/o red dot but with raised nipple on the 5 key. It also has the bug and the HP-35 INSTRUCTIONS label. Unfortunately, it is missing the serial#.

Re: HP 35 red dot and bug CPU

*Message #7 Posted by **tomd** on 21 Oct 2000, 1:16 p.m.,*

in response to message #6 by Erik Wahlin

On the subject of serial numbers, I'm not sure how reliable they are to help determine if an HP35 is a red dot or not. I've had 3 red dots with the following S/Ns

1143A00957 1143A01279 1143A02852

(none have signs of entry)

But I also have these S/Ns for two of my HP35v2 calcs:

1143A00944 1143A03102

(both have been opened)

And further, I have an unopened HP35v3 with the following S/N:

1143A02373

Re: Brief Working Summary
*Message #8 Posted by **Anonymous** on 21 Oct 2000, 6:11 p.m.,*
in response to message #7 by tomd

1) It appears that the serial number alone cannot be used to identify the calc as a Red Dot. Tom has newer models that span that number.

2) The Red Dot switch is available on other models. All that is missing is a hole.

3) The label is one that shows up in later models.

4) The "N" on the one on EBay can entirely fit within the red dot hole area without touching the edge of the hole. The one on the HP site cannot come close. Use Image Processing s/w and see for yourself. Both photos are good enough to use for sizing purposes with the s/w. Clear size difference.

5) The hole does look larger, offset and closer to the "N" than the one on EBay.

The price is rising on that one on EBay. It would be nice if there was a way to positively identify it as a legitimate Red Dot.

Re: Brief Working Summary
*Message #9 Posted by **tomd** on 21 Oct 2000, 6:32 p.m.,*
in response to message #8 by Anonymous

Well, the internals are a bit different for the red dots (and maybe the early v2s?) if the seller wants to post a picture of the insides. Looks like the calc had been opened a number of times anyway.

Re: Brief Working Summary
*Message #10 Posted by **peter** on 21 Oct 2000, 9:05 p.m.,*
in response to message #8 by Anonymous

anonymous states: "4) The "N" on the one on EBay can entirely fit within the red dot hole area without touching the edge of the hole. The one on the HP site cannot come close. Use Image Processing s/w and see for yourself. Both photos are good enough to use for sizing purposes with the s/w. Clear size difference."

I think this is a very questionable claim. For one thing a good portion of the 'N' is worn away and they only thing you are going on is the pictures that are provided. Did you correct for the angle that the image was captured at? I think a much

better test would be to compare the hole with the size of the 'O' from 'OFF' or 'ON'. If you do this, I suspect you'll find a much closer match to the red dot on hpmuseum.

Re: Correction
*Message #11 Posted by **Anonymous** on 21 Oct 2000, 9:47 p.m.,*
in response to message #10 by peter

I don't want to start an argument here. But let me tell you something about physics (or optics). If you have two objects on the same plane then their relative distortions are the same as something is tilted. You don't get one distorting more than another.

I think you are looking at the wrong photo. The "Photo 2" is virtually straight on. If you look at that photo, you can hardly question that the hole is larger than ANY of the OFF or ON letters.

There is no angle to correct for, in this photo. In fact, you can draw a line from the bottom of the 'O' in OFF across to the ON and see that the hole is clearly larger than it should be.

You say you have a Red Dot. Does the top of the hole align with the top of the characters and have the bottom of the hole about 30 to 50% below the bottom of the characters?

In fact, you can take a straigh edge and line it up with the slot that the switch is in and see that the hole is way below the letters.

Re: Correction
*Message #12 Posted by **peter** on 22 Oct 2000, 1:32 a.m.,*
in response to message #11 by Anonymous

You just can't make the kind of comparisons you are attempting to make between the photos of the eBay 35 and the on on the hpmuseum. Look at the drastic difference in lightning source location. The eBay 35 has huge shadows cast by the 35's keys. The lighting source is clearly coming from above the 35's display. The hpmuseum image has virtually no shadows at all. I can play around with lighting source location quite a bit and cause perceived differences in the way the red dot hole looks (including minor changes in where the hole edges appear to be) in the resulting image. In fact, the red dot in the hpmuseum image looks strange cause it doesn't look all that much like a hole.

Re: Correction

*Message #13 Posted by **Anonymous** on 22 Oct 2000, 2:07 a.m.,*
in response to message #12 by peter

You can vouche for the 35 as being legit and maybe it is. I'm just trying to get to the bottom of this.

But I can tell you with absolute certainty that the lighting , in this case, does not detract one little bit, in the ability to see the hole size comparred to the lettering.

It's plain as day. It's also plain as day that the hole extends far below the bottom of the lettering.

It's very easy to see the bottom edge of the on/off slot. This is NOT affected by lighting.

It's very easy to line up a straight edge and make these comparrisons. There are no distortions in these photos that preclude that. These points of interest are flat and have no shadows. They are NOT affected by lighting.

Does your legit 35 have a hole that is aligned at the top with the text and extends far below the lettering?

Yes or No.

Because it does in the Photo 2, shown on EBay.

Let's hear from other on the alignment and the size of the Red Dot hole, as shown in Photo 2, and see if they agree with you.

Re: HP 35 red dot and bug CPU
*Message #14 Posted by **peter** on 21 Oct 2000, 8:51 p.m.,*
in response to message #6 by Erik Wahlin

The red dot HP 35 that I have also has a back label title that says "HEWLETT-PACKARD HP-35 INSTRUCTIONS"

I know that my red dot hp 35 is an authentic red dot cause I know it's complete history.

Re: HP 35 red dot and bug CPU
*Message #15 Posted by **Erik Wahlin** on 22 Oct 2000, 11:16 a.m.,*
in response to message #14 by peter

Does anybody know why there are two versions of this back label? Were the early calculators built at two different sites? My guess was the HEWLETT PACKARD HP-35 INSTRUCTIONS label was maybe a later type and replaced the HP-35 INSTRUCTIONS type when the calcular was serviced at HP (probably to replace the bug ROM). Does your red dot have the bug?

Re: HP 35 red dot and bug CPU
*Message #16 Posted by **peter** on 22 Oct 2000, 3:41 p.m.,*
in response to message #15 by Erik Wahlin

you are probably right that 35s sent back for ROM bug fixes had their labels replaced. I know for a fact that the red dot I have was indeed sent in and it does NOT have the ROM bugs. The label that is titled "HEWLETT-PACKARD HP-35 INSTRUCTIONS" probably replaced the original label at the factory.

Another thing to check!!
*Message #17 Posted by **peter** on 22 Oct 2000, 3:59 p.m.,*
in response to message #14 by peter

One other thing that could be very enlightning to check is the piece of metal that makes a connection to the two outer pins of the charger socket. Both the red dot that I have and the very early second edition have metal pieces that do NOT over lap the plastic edge directly under the charger socket and that is mostly covered by the battery compartment door. Later models have metal pieces that actually overlap this edge and fit into a slot in the same plastic surface that the two case screws under the battery cover go into. The very early models don't have a slot in this part of the case for the metal piece at all.

Hope this explanation is clear. If you look at the metal piece that connects to the two outer charger socket posts I think you'll see what I mean.

Re: Another thing to check!!
*Message #18 Posted by **peter** on 22 Oct 2000, 4:18 p.m.,*
in response to message #17 by peter

slight correction on this. The metal piece does overlap but the part of the metal that overlaps is black. But there still is NO slot in the plastic that the two case screws go into. The later revs have a slot that the metal piece fits into.

Re: Another thing to check!!
*Message #19 Posted by **peter** on 22 Oct 2000, 4:39 p.m.,*
in response to message #17 by peter

It looks like photo 23 on the eBay red dot 35 auction shows that at least the charger socket metal piece conforms to the very early HP 35 revs. Notice how the metal piece that overlaps the plastic edge is black and does NOT fit into a slot in the case. Newer revs definitely had bare metal overlapping the edge and fit into a slot in the case. At least all the later 35s and 45s (and 80s) that I have seen conform to this.

Re: Another thing to check!!
*Message #20 Posted by **Erik Wahlin** on 22 Oct 2000, 7:36 p.m.,*
in response to message #17 by peter

Yes, the older HP-35 I am working on has this same type connection scheme. It is a very early model, but not a red dot. The black back bone piece is also in two parts, instead of one like later classics. This is the black plastic piece that you see when you open up the battery door.

Re: Possible solution
*Message #21 Posted by **Mike Davis** on 22 Oct 2000, 1:42 p.m.,*
in response to message #1 by Anonymous

Turns out that I live near the seller. I am not an expert on the red dot but I have used virtually every HP calculator that has come down the pike. I have even opened quite a few.

If we could devise some test or come up with some inspection criteria, maybe the seller would let me stop by and take a look at the 35. I could then report back what I found.

Just a thought...

 # in the US? Re: Possible solution
Message #22 Posted by ------- on 22 Oct 2000, 8:54 p.m.,
in response to message #21 by Mike Davis

How about the seller's claim that there are only 12 of these in the US? Personally, I own 4 and 1/2 red dots (yes, a 1/2. I have a half finished one that came from the estate of a HP engineer that worked on these. It has defective electronics and doesn't appear that the back was ever installed.) I know know of at least five others in the US including one guy that has 3 and I suspect that there are a lot more than that. I read somewhere that a LOT of the red dots still survive. The author stated that the people that had them knew they had something special so they took care of them and many original owners still have them.

Re: # in the US? Re: Possible solution
*Message #23 Posted by **John** on 22 Oct 2000, 10:39 p.m.,*
in response to message #22 by -------

So he's off by 3 orders of magnitude. That's a relatively small exaggeration for ebay :-)

Re: # in the US? Re: Possible solution
*Message #24 Posted by **peter** on 22 Oct 2000, 11:52 p.m.,*
in response to message #22 by -------

Personally I think the eBay seller deserves a bit of a break. He didn't even know he had a red dot till Dan B... sent him mail. It was Dan B. that made the claim about possibly only 12 in the U.S. I wonder who Dan B... is?

Re: # in the US? Re: Possible solution
*Message #25 Posted by **tomd** on 23 Oct 2000, 7:58 a.m.,*
in response to message #24 by peter

Since one of my red dots has a S/N of 1143A02852, one might assume that HP made at least 2,852 of them. But as to how many survive, that's anybody's guess.

Re: # in the US? Re: Possible solution
*Message #26 Posted by **Katie** on 23 Oct 2000, 10:23 p.m.,*
in response to message #25 by tomd

Tom,

>But as to how many survive, that's anybody's guess.

My guess would be to count the number of 35 red-dots that you own and add 1 of the one on ebay and 1 for ever other collector on this site that claims to have one.

:-)

-An envious red-dot-want-to-be-owner

Re: # in the US? Re: Possible solution
*Message #27 Posted by **tomd** on 24 Oct 2000, 6:05 p.m.,*
in response to message #26 by Katie

They certainly aren't common, but in my personal experience, I've found that the 10A, 70 and 28S-100th are harder to locate. Good luck!

Re: # in the US? Re: Possible solution
*Message #28 Posted by **Reinhard Hawel** on 25 Oct 2000, 11:18 p.m.,*
in response to message #27 by tomd

I just bought it and will report more, when I've received the calc and somebody's interested.

There aren't too much other red dots here in my surrounding (At least I don't know of an European collector owning one). I'm pretty sure, there are way more red dots in the surrounding, but lots of them have surely been thrown away.

Can anybody confirm the 3000 produced units ?

I spoke with some people, who threw their calcs away just half a year ago. One of them was a HP35v2 with plastic box and some other goodies.

I fear, that this is not the right device for an ebay auction somehow (just like valuable pictures and other artwork).

I wouldn't take the hole as a measure (at least not from a photo).

The seller has a feedback rating of more than 3100 with only 2 negatives and I'm pretty sure such a guy wouldn't ruin his reputation that way.

Unfortunately, eBay is the only way for getting such a device in Europe.

Re: # in the US? Re: Possible solution
*Message #29 Posted by **Katie** on 26 Oct 2000, 12:05 a.m.,*
in response to message #28 by Reinhard Hawel

I noticed in the pictures that the seller put out there, that the cover of the manual shows a RED DOT 35. From what I've seen, the later models came with a manual that showed a caclulator without the red dot. Of course the manual could have come from another calculator, but I took that as good evidence that this is a real RED DOT 35. (And hence bid high on the auction too.)

Manual picture
*Message #30 Posted by **M Currie** on 26 Oct 2000, 12:47 a.m.,*
in response to message #29 by Katie

The manual that came with my late version 2 (says Hewlett Packard 35 on front edge) shows an early version 2 (says just Hewlett Packard). Definitely no red dot.

Re: # in the US? Re: Possible solution
*Message #31 Posted by **tomd** on 26 Oct 2000, 7:51 a.m.,*
in response to message #29 by Katie

Good eye, Katie! 95%+ of the HP35 manuals I've seen have the standard v2 image on the cover, but I do have 3 with the Red Dot on the cover. The insides are quite a bit different, as well. I also have an early HP35 sales brochure that has pictures of the red dot throughout, so one may wonder if the Red Dot was only intended for internal HP use, as some claim.

Re: My opinion on why red dot discontinued
*Message #32 Posted by **Mike davis** on 26 Oct 2000, 9:02 a.m.,*
in response to message #31 by tomd

My gut feel as to why the red dot was discontinued is that when you turn it on, you will see 3 fairly bright red LEDs that are turned on.

If you can't see the LEDs, you can't see the dot:-)

Re: # in the US? Re: Possible solution
*Message #33 Posted by **####** on 26 Oct 2000, 3:12 p.m.,*
in response to message #29 by Katie

Katie said "I noticed in the pictures that the seller put out there, that the cover of the manual shows a RED DOT 35. From what I've seen, the later models came with a manual that showed a caclulator without the red dot. Of course the manual could have come from another calculator, but I took that as good evidence that this is a real RED DOT 35. (And hence bid high on the auction too.) "

ALL of the early 35 manuals and possible ALL of them period showed the red dot in the picture on the manual so that's not a reliable indication.

This is just plain incorrect informtion
Message #34 Posted by ===== on 27 Oct 2000, 7:05 a.m.,
in response to message #33 by ####

Congrats Reinhard
*Message #35 Posted by **Glynn** on 26 Oct 2000, 2:02 a.m.,*
in response to message #28 by Reinhard Hawel

There was a LOT of interest in that calc. I'm hoping you are able to positively verify its authenticity as a red-dot; I am pleased someone in our board's "family", with a lot of HP knowledge and experience has it. Congratulations and best wishes, RH.

Re: Congrats Reinhard
*Message #36 Posted by **Reinhard Hawel** on 26 Oct 2000, 5:00 p. m.,*
in response to message #35 by Glynn

Thanks. I noticed some people I didn't really know emailing me with congretulations.

I'm pretty sure, there's a lot of guys with more experience, but I simply had to have it. In Europe, there's no chance finding such a device, so eBay's the only way.

I'll take some holidays now and will use them to think about how I will re-fill my account (Donations welcome --- just kidding :-)

I'll be back wednesday and I hope, that the calculator arrives late next week. The seller agreed taking my payment with bidpay ($500 max.) and taking the rest in another way. He said, with my feedback, he'd mail it out as soon as he has the bidpay confirmation. Getting postal money orders from Austria -> U.S. is a real pain in another way (6 weeks).

Might be, that I'll answer him some questions about the calculator

to recover it's history (at least the last owner), but I'm pretty sure I won't tell this info on the internet without an important reason.

A way to pay for it
*Message #37 Posted by **Greg Harris** on 26 Oct 2000, 8:55 p. m.,*
in response to message #36 by Reinhard Hawel

Just an idea for you...

I just purchased an HP80 from Germany. And had similar problem doing the payment (but in reverse). The solution was to bank the funds directly in the account using a telegraphic transfer. I have used this many times and it has worked well for me. The payment gets there overnight as well. The fee was $25 (Australian dollars).

Re: A way to pay for it - some methods compared
*Message #38 Posted by **Reinhard Hawel** on 26 Oct 2000, 11:18 p.m.,*
in response to message #37 by Greg Harris

My method was paying the majority with bidpay (which seems to be a very easy method) and sending the rest with the postal method. Normally this works well. Bidpay seems to be the fastest method, especially for international transfers. Fortunately you can pay with bidpay, even when the items price is larger than $500 (You can pay $500, but not more).

International bank transfers are really expensive from Austria (seems, there's much more competition needed).

I've tried Western Union once and the agent was unable to say, how much the receiver would have to pay for getting the money. Finally, my seller ended up with $6 less than I expected and I had to send $6 in an envelope - a disaster. The agent couldn't state, how much the receivers cost would be and so I couldn't pay these fees on my part. Additionally, Western Union is not cheap for international money transfers.

Money orders from Austria to U.S. take 6 (!!!) weeks. I asked at the main post office in Vienna and they described it: The money order is written on a list and this list is put into a letter. For some strange reason, the letter is sent SURFACE instead of air, which leads to the large delay. Emperor Franz Joseph (1848 - 1916) couldn't have done better. I wouldn't even try to force a seller accepting this . I needed a money order Austria -> U.S. for another reason abt 10 years ago and it took 6 weeks (!!!). A research for a lost money order took half a year.

Paypal isn't for non-U.S. citicens, so I'm not allowed using it. In fact it seems to be some kind of a bank, but without earning something, if you leave your money lying on their accounts.

Re: A way to pay for it - some methods compared

*Message #39 Posted by **Viktor Toth** on 27 Oct 2000, 2:00 a.m.,*

in response to message #38 by Reinhard Hawel

Reinhard,

Western Union usually doesn't cost anything to the recipient; I certainly never had to pay anything when I received a Western Union transfer. Just make sure that the amount is specified in the desired currency (e.g., even though I send sums from Canada, I do so in US dollars) otherwise the actual amount paid out may be less than expected due to their miserable exchange rates.

PAYPAL is supposed to become international real soon now. (Not sure if Austria is on the list of countries that they plan to show up in.) For now, I'm able to use it because I have a US bank account and a US mailing address.

Lastly, I believe what you call a money order in Austria is really a postal money transfer. A money order here is something you buy at your bank and then

put in an envelope and mail yourself. The recipient takes it to his bank and deposits it, just like he'd deposit a personal check. I have not seen this form of payment when I was living in Europe.

Viktor

Re: I Got To Look at it....
*Message #40 Posted by **Mike Davis** on 26 Oct 2000, 9:34 p.m., in response to message #35 by Glynn*

I bought the HP-65 that the seller also had on EBay. Turns out that I live just a few miles from him. So, I decided to drive by and pick up the 65.

He still had the 35 so I asked to see it. Well, I was quite surprised. It looks better in person than it did in the photos.

The dot hole is offset, BUT it is centered on the slot as you would expect, since the red dot is also centered in the switch. The ON/OFF labels are slightly offset making it look odd.

The hole is also NOT oversized as was speculated in the photos.

I'm not an expert on these but it looks like it is a real red dot. I can't say this, as one who has seen these before, but nothing about the hole and the red dot look unusual. The hole looks manufacturered rather than added later.

The HP-35 looks good... The seller was a really nice guy also. If I had seen it before the auction ended, I probably would have bid on it myself.

Re: I Got To Look at it....
*Message #41 Posted by **Reinhard Hawel** on 26 Oct 2000, 11:34 p.m.,*
in response to message #40 by Mike Davis

I'm pretty sure, that it's a real 35 red dot after reading through this thread. I think there's hardly someone with another red dot machine in my surrounding, but I guess, that the effort falsifying a red dot machine is much larger than the earnings you can expect.

Just think, what you should have before even trying (the correct manual version, serial number, the red dot switch itself or a very early HP-35, ...).

The risk is rather high. If you fail, you have a v2 calculator with a hole in the front. Not, what I would wish, not to mention the time effort to make the machine look authentic.

It had also a very very good description. I've never seen anything that well-described on eBay. If one of the abt 30 photos would have shown a real hint to falsification, I'm sure two or three of the experts would have found it. Additionally, I guess, a false calculator would have had better cleaning (the falsifier would have wanted to make more money by making the calc look "sexy").

A guy, who wants to make money, wouldn't risk putting too much photos on the web. (he'd email some to a potential buyer, but posting them on a web, can open a broad discussion in the collectors community, which has already happened with this thread).

This together with the huge feedback, the seller owns, and now with Mikes statements, makes the machine and the seller very trustworthy...

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hp28s infrared connection
*Message #1 Posted by **luca** on 20 Oct 2000, 10:43 a.m.*

I'm looking for a sw that enables my pc win2k to communicate with my hp28s via infrared ports. Does anyone have any suggestion or link or program?

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Quality...
*Message #1 Posted by **Viktor Toth** on 20 Oct 2000, 4:07 a.m.*

Today, I received an HP-39G that I purchased through eBay.

The machine was in its factory sealed packaging. However, I noticed a slight discoloration near its bottom. When I opened the package, the reason became obvious: two of the three batteries rotted inside. The probable reason: one of the batteries was installed the wrong way! The battery juice actually dissolved one of the rubber battery posts, and the battery compartment was just one unholy mess as a result.

I was able to clean it and improvise a battery post, and the machine now works fine. Even so...

Assuming that I wasn't a victim of an unscrupulous eBay seller who got his hands on a shipment of rejects, this kind of quality problem is something HP ought to be ashamed of. (Energizer, too. The batteries in question are Chinese-labeled Energizer alkalines. The machine is also labeled 'Made in China'.)

Otherwise, my first impression about this machine is favorable (inasmuch as you can like 'Aplets' and algebraic machines, on which computing the square root of the displayed number takes FIVE keystrokes - Shift Sqrt Shift Ans Enter.) The rubber keyboard isn't great, but not as bad as I feared. (It does appear, however, that it is not fully debounced; I occasionally get double entries, which is not something I'm used to, not even with my 25+ year old HP-65s.)

Although this is clearly not going to be my favorite calculator, I sincerely hope that it'll be a commercial success for HP. Then, perhaps, we'll see some new, decent engineering calculators, too! Perhaps even an RPN one without a rubber keyboard :-)

Viktor

Re: Quality...Return it Viktor!
*Message #2 Posted by **Gene Wright** on 20 Oct 2000, 7:28 a.m.,*
in response to message #1 by Viktor Toth

I would return it to HP, regardless of whether you bought it from ebay or not.

It was factory-sealed and the problem was caused by HP.

Give them a call. Let's hold HP accountable.

Gene

Re: Quality...Return it Viktor!
*Message #3 Posted by **Tom Lianza** on 23 Oct 2000, 12:27 a.m.,*
in response to message #2 by Gene Wright

I had the same problem! I sent an email to the seller, they sent UPS pickup and they replaced the item! The sellers name was something like BestPrices4. I tried finding the transaction # to leave them GREAT feedback, but the transaction was over thirty days and I can't find a record of it. As far as the quality issues go...well, HP is just out of control. They are shooting themselves in the foot. The 39 is a nice machine with a real manual. It's ashame that they don't seem to be able to get it together in China. That problem is REAL serious.

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back label languages
*Message #1 Posted by **A. Stockburger (Germany)** on 20 Oct 2000, 3:48 a.m.*

Hi,

Yesterday I received a hp-calculator with english (US) back label. All my other calculators have german back labels. I want to know how many other langages where made by hp? Is there a difference in units produced for a specific language ? Is there a difference in the price ?

Andreas

Re: back label languages
*Message #2 Posted by **Gianmaria (Italy)** on 21 Oct 2000, 3:33 a.m.,*
in response to message #1 by A. Stockburger (Germany)

Hello Andreas, I saw even an HP-80 with back label instruction in Italian... I believe it's not very common because all the classic calculators I have (some of them was originally bought in Italy from my father) are in English language. However I have also an HP-45 with German back label, see: http://members.it.tripod.de/gianmaria/index-3.html

If you have other HP calculators with German label I'd be interested to trade or to buy them.

Best Regards! Gian

Re: back label languages

*Message #3 Posted by **A Stockburger (Germany)** on 23 Oct 2000, 4:31 a.m.,*
in response to message #2 by Gianmaria (Italy)

Hi Gian,

All my classic calculators (35, 45, 55, 70, 80) and ALL others I own(for example my 19C or my 10C) are calcs with hgerman back-labels. Gian we know now that there are english, itlian and german labels. Are there french or japanese labels also ?

Best regards

Andreas

BTW: I have a HP35 with german back label where I am willing to trade ...

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Are you in Albuquerque, NM?
*Message #1 Posted by **Peter** on 19 Oct 2000, 12:06 p.m.*

Hi. Are you in the Albuquerque, NM area? Do you like to collect calculators. Would you like to see a calculator collectors club, newsletter, or e-mail list for the Albuquerque area? Let me know and let's find a way to communicate and maybe have some swap meets or meetings once in a while. Maybe I'm the only one in Albuquerque, maybe not. e-mail me.

Peter --

Re: Are you in Albuquerque, NM?
*Message #2 Posted by **Ion Abraham (New Mexico)** on 20 Oct 2000, 9:23 a.m.,*
in response to message #1 by Peter

Dear Peter,

Yes, I too live in Albuquerque, and would be interested in seeing some of the things you mention happen. I am not really a collector (yet), more of a long time user of HP-41CX calculators. I started visiting this site when the rechargeable battery pack died on my calculator, and I now enjoy reading the forum and classifieds daily. I think this site is really well done. I don't really have a lot of time, but I would come to a swap meet, or an informal club meeting, say once a month.

Best regards,

Ion Abraham Albuquerque, New Mexico icabraham@worldnet.att.net

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HP 41c base
*Message #1 Posted by **Gary Lee** on 18 Oct 2000, 2:53 p.m.*

The base or bottom half of my HP41c is broken through at one of the screw mounting points. I would like to replace it and I am looking for anyone who might have a replacement part.

Re: HP 41c base
*Message #2 Posted by **Thibaut.be** on 19 Oct 2000, 8:25 a.m.,*
in response to message #1 by Gary Lee

This problems has occured many times on 41's !

Now it is still possible to repair it with polymere glue. I've done this several times succesfully.

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Is it possible to remove a classic calc's label intact?
*Message #1 Posted by **Peter** on 18 Oct 2000, 1:05 p.m.*

Hi,

I have disassembled several HP 35s, 55s, 65s etc. that have already had their back labels peeled back to get to the chassis screws. I would like to try and do a minor repair to a nice condition 35 and a 55 that have their back labels intact and in good condition.

Has anyone ever been successful at actually removing one of the classic family calculator's back labels intact so that it can be replaced in good condition with no wrinkles, folds, tears or holes?

You experience or comments with this would be greatly appreciated.

Re: Is it possible to remove a classic calc's label intact?
*Message #2 Posted by **John Robinson** on 18 Oct 2000, 9:25 p.m.,*
in response to message #1 by Peter

See my post http://www.hpmuseum.org/cgi-sys/cgiwrap/hpmuseum/archv003.cgi?read=5640

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Broken LCD on 48GX
*Message #1 Posted by **Vaidy Sunderam** on 17 Oct 2000, 7:52 a.m.*

Somehow, my LCD display on my HP48GX broke (possibly some kind of impact).

Is it worthwhile to try and get it repaired?

Or can I extract the extra memory from it and upgrade my 48 to a 48gx?

Any advice would be appreciated

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HP110 Battery (OK, it's not a calculator)
*Message #1 Posted by **Steve (Australia)** on 17 Oct 2000, 5:58 a.m.*

The HP110 may not be a calculator, but maybe someone can answer a dumb question or two...

1) The keyboard on mine is a bit dicky. Sometimes keys need to be pressed twice, sometimes they bounce and I get 2 or more characters. Is the keyboard accessable in a way that I can clean it? Any suggestions as to how?

2) The battery is (probably) completely dead. The 110 dies if left unplugged for more than about the blink of an eye. The battery appears to be held in with screws and a strap (with 3 connectors??). What is the battery (nicad, Lead acid, mice and wheel, other)? Any precautions on taking it out? Repair/Replace options?

The 110 is a personal favorite of mine. I used one *many* years ago, and I had to get one again. This is the first series with the 16x80 screen.

Interestingly (for us Australians) it has the inbuild modem that was not available in Australia (at least initially).

Re: HP110 Battery (OK, it's not a calculator)
*Message #2 Posted by **Steve (Australia)** on 28 Oct 2000, 7:18 a.m.,*
in response to message #1 by Steve (Australia)

The battery is three D size lead acid cells (6V). It's not too hard to remove, but you've got to be careful about the earthing straps which are a little fragile (one of mine was torn).

Speaking of the earthing straps, they almost look like lead, but they're soft copper. I soldered a wire to the broken one after peeling the plastic back and scraping the coating.

However I still have problems with the keyboard.

Anyone opened one of these and cleaned the keyboard? Is it possible?

Re: HP110 Battery (OK, it's not a calculator)
*Message #3 Posted by **Steve (Australia)** on 28 Oct 2000, 11:58 p.m.,*
in response to message #2 by Steve (Australia)

I might be talking to myself, but maybe someone will want to do this too some day...

Remove the battery first.

There are 10 screws holding the bottom cover of the HP110 on.

2 are shorter than the rest and are under the feet closest to the front.

The others are under the rear feet (2) under the plastic strips between the feet (closest to the front) (2) and under the large model number sticker (4).

Once you find them, the bottom comes off. There are 2 leads that must be removed. The HP-IL connectors can stay connected, they will come away from the top half.

4 screws (same as the long ones holding the cover) are removed to free the panel between the LCD supports. Removing this reveals that the hinges that an HP person told me were the result of much HP engineering effort are actually made by a third party. It also reveals 4 recessed nuts that must be removed to get the keyboard out.

I havn't yet got myself a small enough nut driver to do this, so the next episode will have to wait.

Questions: can I upgrade the RAM by piggy backing other chips?

Will I be able to clean the keys after I get the keyboard out?

Re: HP110 Battery (OK, it's not a calculator)

*Message #4 Posted by **Steve (Australia)** on 29 Oct 2000, 8:02 a.m.,*
in response to message #3 by Steve (Australia)

Actually there's 11 screws (10 are hidden under things though)

The keyboard is labelled as being manufactured by Cherry. This is interesting because the PCB has an HP part number.

Even more interesting (once you get the keyboard out) is that the keycaps are easily removable, so you don't need to take the whole damn thing apart :-)

Oh well...

Anyway, with the key up, a sprung plastic cam holds a sprung contact apart. When you press the key the cam moves out of the way allowing the contacts to close. So pressing the key harder achieves nothing!

Possibly after so long, some of the sprung bits have become a little weak, so I removed the keycap, pressed the plastic post down, and gently pressed the contacts together with a screwdriver to sort of bend the spring into a more springy position. Voila! key works perfectly. No bouncing or failure to make contact.

As for adding more RAM. Well, maybe I'll persue this for interest in the future. I don't think I'll do it, but it would be interesting to see if it's possible.

When the unit is opened, you can see one part of the motherboard, but there is another layer of it under a shield. I didn't look in there, but maybe the board even has pads to place more RAM?

I like the 110 almost as much as I like my HP41's :-)

But I wish David Chambers didn't mislead me as to the manufacture of parts of the HP110 those many years ago when he was demonstrating it to me.

Anyone else (in Australia) remember David Chambers? Nice guy, but a bit fond of Safari Suits for my liking. :-)

Re: HP110 Battery (OK, it's not a calculator)
*Message #5 Posted by **Kelvin Hales** on 7 Nov 2000, 6:27 a.m.,*
in response to message #4 by Steve (Australia)

Steve,

Replacement HP-110 batteries are available (apparently, I mean to order one) from http://www.batteries.com. Use this URL to go straight there:

http://www.batteries.com/productprofile.asp?appid=186178&SID=NO0967628TY0593949

Re: HP110 Battery (OK, it's not a calculator)
*Message #6 Posted by **Kelvin Hales** on 7 Nov 2000, 10:00 a.m.,*
in response to message #5 by Kelvin Hales

I've just been told by batteries.com they won't ship outside the USA, so one would need an agent in the US to forward the mail on.

Re: HP110 Battery (OK, it's not a calculator)
*Message #7 Posted by **Steve (Australia)** on 8 Nov 2000, 4:59 a.m.,*
in response to message #6 by Kelvin Hales

Where are you? The cells that make up the HP110 battery are easily available in Australia.

Probably the same wherever you are.

Re: HP110 Battery (OK, it's not a calculator)
*Message #8 Posted by **Kelvin Hales** on 20 Nov 2000, 8:37 a.m.,*
in response to message #7 by Steve (Australia)

I'm in the UK. I've not identified a UK source yet.

Re: HP110 Battery (OK, it's not a calculator)
*Message #9 Posted by **Steve (Australia)** on 21 Nov 2000, 4:28 a.m., in response to message #8 by Kelvin Hales*

Check this link out:

http://www.eBatts.com/browse-product.asp?manufacturer=Hewlett+Packard&modelName=&modelNumber=110&es=hewlett+packard&u=1458195692120806523 0&ms=110

A bit (I jest - A LOT) expensive, but a solution.

Do you have an old battery pack? The top detaches from spade connectors at the top of the batteries. The top bit is REQUIRED (so don't lose it).

The battery is simply 3 D size 2V lead acid cells. I'm still searching for a reference to them on the net.

Amazing... Here's a reference to a UK supplier with a picture of them on their web page.

(picture unavailable)

http://www.strikalite.co.uk/sealed.htm

Described as "2 volt 2.5 Ah Cyclon 180g £5.30" (and you need 3 built up into a pack). So that would be at least £19.90 (as they charge a minimum of £4.00 for postage).

Strikalite
Laurel Drive,
Rugeley Road,
Burntwood,
Staffordshire, WS7 9BL
England

Telephone (+44) (0) 1543 683122

Ain't the web wonderful :-)

Re: HP110 Battery (OK, it's not a calculator)
*Message #10 Posted by **Kelvin Hales** on 21 Nov 2000, 6:45 a.m., in response to message #9 by Steve (Australia)*

Excellent. Thanks very much. For some reason my own web searches didn't reveal what your's did.

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Re: Red Dot HP 35
*Message #1 Posted by **thibaut.be** on 16 Oct 2000, 4:34 p.m.*

Well... is he aware of the value of a 35 RD ?

If yes, I would give USD 250 on top of what he asks for the 35... mainly because of the 29C...

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Help repairing HP67 (gummy card reader) in Sydney Australia
*Message #1 Posted by **Greg Harris** on 15 Oct 2000, 1:51 a.m.*

Hi,

I have an HP-67 that has the "gummy" card reader problem. Being a computer programmer by trade, I am very dangerous with a soldering iron! (just using that as an example) I was wondering if any of you knew of anyone down under who could repair this fine old machine, or help me repair it?

Greg Harris Sydney Australia

Re: Help repairing HP67 (gummy card reader) in Sydney Australia
*Message #2 Posted by **Iqbal** on 15 Oct 2000, 5:27 a.m.,*
in response to message #1 by Greg Harris

You can probably ask John Robinson. Email :

john_a_robinson@hotmail.com

He might be able to help.

Re: Help repairing HP67 (gummy card reader) in Sydney Australia
*Message #3 Posted by **John Garza** on 26 Oct 2000, 4:08 p.m.,*
in response to message #2 by Iqbal

The best solution I've found is to disassemble the card reader, remove the drive wheel (with attached gear) and scrape off all the gunk that used to be the rubber drive roller. Then use an xacto knife to slice off a replacement roller from a length of rubber tubing used for model airplane fuel line. This new roller then press fits onto the now clean axle. Reassemble, and voila!. I've done this successfuly on 4 HP67s, 2 HP65s, and 3 HP97s.

-John

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Re: HP42S
*Message #1 Posted by **Paul Brogger** on 12 Oct 2000, 11:26 a.m.*

Re: HP Police -- yeah, I suppose they could. I didn't mean to make this sound like a major operation, though. I've done it twice, and the two "HP-142BS" (-14B/-42S) models are so inconvenient to use, I'm not sure the result was worth it. (I should have kept one of the replacements rather than sell them both!) The intent of the story was to emphasize how serviceable the Pioneers really are. Even the mechanical parts of the keypad may be renewed, assuming the keys are still attached to the calculator front.

Re: the meltdown option, I think the serial number would give that one away, and without a proper serial number for the damaged unit, I doubt I'd get a replacement.

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IL Thermal Printer (82162A) Paper Advance problems

*Message #1 Posted by **Peter Khor** on 11 Oct 2000, 6:12 p.m.*

My 82162A IL Printer has problems advancing the paper roll; printing seems to work okay. When you press the paper advance key, or print something on the IL loop, it looks like the paper is only advanced half the intended height. ie, the next line with over print current line.

I've checked the side cam mechanism that advances the paper, and it seems to work fine. Is it suppose to be spring loaded?

The other option is that I have a spare 82143A that I can cannibalize the parts out of. It is difficult? I thot initially I would just swap out the entire print mechanism, but they are different. The IL printer has an optical encoder wheel on the shaft. I will probably have to disassemble part of the print mechanism and replace as needed?

Re: IL Thermal Printer (82162A) Paper Advance problems

*Message #2 Posted by **Viktor Toth** on 11 Oct 2000, 7:56 p.m.,*
in response to message #1 by Peter Khor

Are you talking about those optical sensors and wheel that detect motor speed and head position?

I've seen two variants of the HP82143A mechanism; one has those optical sensors, the other doesn't. The two mechanisms do not appear to be interchangeable, either electronically or mechanically. From your description, it appears that your HP82162A is one variant, and your HP82143A is the other.

Viktor

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32SII Programming Help Needed
*Message #1 Posted by **Bill Pickering** on 11 Oct 2000, 1:26 p.m.*

I recently had to replace the battery on my 32SII and lost an equation I had programmed into memory when I bought it long ago. Problem is I've lost the programming manual and the engineering solutions books I bought. I'd just like to get a copy of the programming instructions for the payment/ future value equation that I believe was published in the engineering or main manuals. Can someone who has it please pass them along? Thanks for any help...I'll admit that it's not worth buying the manuals for that one formula!!!

Re: 32SII Programming Help Needed
*Message #2 Posted by **kynes** on 11 Oct 2000, 3:09 p.m.,*
in response to message #1 by Bill Pickering

Hello, here is the 'Time-Value of Money' - equation from the 32sii-users guide:

P*100*(1-(1+I/100)^-N)/I+F*(1+I/100)^-N+B

where P are the payment values I the interest rate (no '0'!) N the number of payments F the future value and B the present value

Hope it is useful for you!

Re: 32SII Programming Help Needed
*Message #3 Posted by **Bill Pickering** on 11 Oct 2000, 4:06 p.m.,*
in response to message #2 by kynes

Wow - Great! Thanks so much!

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printer and hp series 80
*Message #1 Posted by **Ulisse Quadri** on 11 Oct 2000, 9:26 a.m.*

I have a problem: connectind a standard printer (Epson stylus color 500) with my HP86, the printer blok and rumble,also if the computer is off. I think are a cable problem but don't have a solution. Please help me. Thanks

Ulisse Quadri

Re: printer and hp series 80
*Message #2 Posted by **Dave** on 11 Oct 2000, 10:33 a.m.,*
in response to message #1 by Ulisse Quadri

The HP-86 and Epson Printers are not compatable. You need to utilize an HP-IB dot matrix printer for the HP-86 computer (it predates the centronics parallel interface) There may be ways around this but they do not connect directly

Re: printer and hp series 80
*Message #3 Posted by **Jan Bos** on 19 Oct 2000, 6:15 p.m.,*
in response to message #2 by Dave

This is partly true. The needle printers solde by HP for the 80'series were actually made by Epson. The one I still have has a centronics connector and a HP IB port. The printer works with both! Regards, Jan

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Packaging of HP Calculators
*Message #1 Posted by **Tom** on 11 Oct 2000, 6:22 a.m.*

Is HP now packaging their Calc with plastic instead of carton boxes?

Re: Packaging of HP Calculators
*Message #2 Posted by **Todd Garabedian** on 11 Oct 2000, 3:36 p.m.,*
in response to message #1 by Tom

Yes, it appears so. I've noticed HP calculators sold at Staples in "blister packs" hanging on peg-board. No more boxes, or so it would seem. Although my 17BII was purchased two years ago in a box.

Does that makes the old calculator boxes even more valuable than they were already?

Todd

Re: Packaging of HP Calculators
*Message #3 Posted by **Thibaut.be** on 12 Oct 2000, 5:16 a.m.,*
in response to message #2 by Todd Garabedian

I confirm... All HP I see in Belgium are now for sale at large department stores on blisters, near the peeled tomatoes can...

They appear on folders close to steacks and pork ribs...

Though I recently bought a 19BII in a carton box...

But my last 49G was delivered under blister... small manuals, really I had not the impression of buying a wonderful tool, but a useful gadget...

Re: Packaging of HP Calculators
*Message #4 Posted by **Tom** on 13 Oct 2000, 7:27 a.m.,*
in response to message #1 by Tom

A box is quite important. It certainly can give a better protection to a calculator than blister packs.

Re: Packaging of HP Calculators
*Message #5 Posted by **Todd** on 14 Oct 2000, 6:51 a.m.,*
in response to message #4 by Tom

Yes, you are right. However, calculators are not the prized possessions they once were. They have moved into the cateorgy of "disposible goods", due mainly to their low price. Just like the disposible pen, lighter, razor, etc. We've turned into a throw-away society.

In addition, I would say that there is a very small profit margin in calculators, particularly today with chip prices so low. So manufacturers must cut costs where they can to make a buck on each unit. No box (or manual for that matter) is one way to do it.

Todd

Re: Packaging of HP Calculators
*Message #6 Posted by **Tom** on 15 Oct 2000, 12:08 a.m.,*
in response to message #5 by Todd

But how could powerful calculators like HP48GX, HP49G shipped without manuals. (they are shipping these in blister pack too), these have lots of fuctions and tend to be more profitable so HP should provide a manual, at least. DO you agree?

Re: Packaging of HP Calculators
*Message #7 Posted by **Todd** on 15 Oct 2000, 7:59 a.m.,*
in response to message #6 by Tom

Of course, I agree. A manual is nearly indispensible for a complex device like a 49G, 48GX, or even the 19BII. But printing and distributing the manuals is costly, so manufacturers have to think up other ways to do this.

I've noticed some manufacturers (including HP) have their manuals available for download from their web site. The manuals are usually a PDF formatted document, so the user can print his own.

For example:

http://www.hp.com/calculators/techsupport/graphing/49g_userguide/

Todd

Re: Packaging of HP Calculators
*Message #8 Posted by **Frank Balzer (Germany)** on 15 Oct 2000, 7:23 p.m.,*
in response to message #7 by Todd

Hi,

by the way: does anybody know what the difference is between the black leather case for the HP-45 and the grey plastic case? Did one or both of them come together with the calculator, or did you have to buy them seperately?

Thanks, Frank.

Re: Packaging of HP Calculators
*Message #9 Posted by **Todd** on 16 Oct 2000, 6:51 a.m.,*
in response to message #8 by Frank Balzer (Germany)

How did we get on this topic? Weren't we talking about manuals?

Anyway, the leather case for the HP-45 fits the calculator itself. The plastic case is really a box designed to house the calculator, the black leather case, and charger. I think you got both cases when one purchased the calculator.

Todd

Re: Packaging of HP Calculators
*Message #10 Posted by **Frank Balzer (Germany)** on 16 Oct 2000, 10:34 a.m.,*
in response to message #9 by Todd

No, I'm not speaking about the leather case which just fits the calculator and which you get with every(?) HP, in various designs. I'm speaking about the case which holds the calculator and the accessoires (look for example at http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=464141389)

Frank.

Re: Packaging of HP Calculators
*Message #11 Posted by **Tom** on 16 Oct 2000, 7:17 a.m.,*
in response to message #7 by Todd

But they havent made a PDF format of HP48G and HP10B when they are distributing the calcs without manuals. I think HP should put the manuals on line before they ship them without manual, to make sure that customers can get a copy of the manual. And how about customers without a computer or printer or internet access at home? Should HP allow them to go to their office and get a copy when they bring along with their calculator and proof of purchase? So to make sure all customers are able to access to at least one copy? Do you agree? When they stopped using boxes they dont provide at lot of things they used to provide, for example, HP 48G and HP 10B is no longer shipped with leather case and manual. what can you figure about this?

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Ok, Repair Question Again - 41 Card Readers
*Message #1 Posted by **Mike Davis** on 11 Oct 2000, 12:55 a.m.*

I was quite successful in getting my 67 card reader working.

I then attempted to replace the drive wheel on my 41 card reader. Everything went smooth but after I got it back together, I get "Card Err" and "No Room" and sometimes "Malfunction", when I try to read cards. Most of the time it is "Card Err".

I cleaned the head before I assembled it and I double checked that the copper shim is in. Anyone have any know of something that I might have overlooked that can lead to this symptom.

The card go through the reader very smoothly but just can't be read. When I do a write, the reader prompts me for cards and does not give any errors. So, it looks like a read problem only.

There are no broken wires. Any ideas?

Mike

Re: Repair - Followup - Mechanical ?
*Message #2 Posted by **Mike Davis** on 11 Oct 2000, 8:45 a.m.,*
in response to message #1 by Mike Davis

In trying to figure out what might be wrong, I first am concentrating on some sort of mechanical thing. Two areas that I wonder about are the:

LED switch and the Mechanical switches.

First the mechanical switch. There are two switch contacts on the back of the card reader. Both of these switches appear to be activated as the card passes through the reader.

One switch is activated by the card striking a small tab on a rocker that stick out into the path of the card. As the card passes this rocker, it strikes the small tab and rotates the rocker which

causes the switch to snap up and contact the circuit board. This appears to function ok.

The second switch contact is essentially the same design. But there is no tab and there does not appear to be anything missing or broken on the rocker. My confusion on this switch is that I don't see any way that this switch contact can be thrown. Nothing sticks out into the path of the card so this switch does not appear to be functional.

The only other thing that I can see that could go wrong mechanically, is the LED light beam (IR ?) switch. Not sure what the purpose of this is and if it is out, I wonder if that could be the source of the problem.

So here are my questions: 1) Are both of these switches functional in the 41? 2) I see only 2 switch contacts but there are 3 slots. Is this 3rd slot just unused with no switch contact? 3) What is the purpose of the LED?

If the reason that I cannot read cards is not mechanical, then I'll have to concentrate on the electrical side.

Re: Repair - Followup - Mechanical ?
*Message #3 Posted by **Andrés C. Rodríguez (Argentina)** on 11 Oct 2000, 2:40 p.m.,*
in response to message #2 by Mike Davis

Not 100% sure, but the second leaf switch may have to do with the detection of the corner (write protect) tab on the cards. The time interval between the detection of the card at the two switches will differ depending on the shape of the card corner. I think the LED detector senses the END of the card, so to stop the motor.

Re: Repair - Followup - Mechanical ?
*Message #4 Posted by **Mike Davis** on 11 Oct 2000, 3:47 p.m.,*
in response to message #3 by Andrés C. Rodríguez (Argentina)

As best as I can tell by watching from the end, as the card goes through, is that this switch detects when the card it removed.

The first one is actuated when the card is pressed in. As the card moves through the reader, the 2nd one is actuated.

It remains actuated, until the card is removed. As I physically remove the card, the switch is opened.

Re: Ok, I have the solution
*Message #5 Posted by **Mike Davis** on 11 Oct 2000, 3:50 p.m.,*
in response to message #1 by Mike Davis

Ok, for anyone else that runs into this problem, the problem was becaused the 2nd leaf spring was malformed, either by me or before I got the reader.

This copper strip is right over the heads and it presses the card against the head. The only thing now is knowing how much spring there should be.

I have the reader working now but a faint line is drawn on the front of the card when the card passes over this piece of copper. Don't remember if that is normal or not. Seems to me that a perfect adjustment should not put a line on the mag card.

Re: Yep, ok.....
*Message #6 Posted by **Dave the "lostrabbit"** on 12 Oct 2000, 5:24 p.m.,*
in response to message #5 by Mike Davis

Hey Mike,

I told you to be careful with the leaf springs! Glad to see you got her going again, I'm out to check my mailbox for the postcard. You did send me one right? :)

Re: Yes and No...
*Message #7 Posted by **Mike Davis** on 15 Oct 2000, 11:49 a.m.,*
in response to message #6 by Dave the "lostrabbit"

Yes, I am sending a post card. No, I have not sent it yet. You'd be surprised at how hard they are to find in Renton.

I'm going to take a trip out to the airport later today to get one.

I also have not received the tube or O rings. However, I found both at a local hobby shop. I bought 3 feet of silicone 1/4" tubind for about $3 and got 4 very small O rings for about the same. I went with the tubing.

I will try and get the post card out today. It's just a matter of finding one, in a non-tourist area.

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Old-style vs. new 12C
*Message #1 Posted by **Andy Fusco** on 10 Oct 2000, 11:39 p.m.*

After 18 years, 1 month and 7 days of regular use my 12C died today and I couldn't bring it back - display went crazy, keys wouldn't work, display went blank, etc. With prices as they are at the office supply stores, it made more sense to just buy a new one rather than try to get the old one fixed. However, the one I bought (for about half of what I paid on Sept. 3, 1982) is a bit of a disappointment. The blue labels on the keys are almost illegible because they are painted on a dull surface -- the old unit keys had a shiny plastic surface and the labels stood out sharply. Also, the vinyl case is flimsy and lacks shape -- the old one was almost like leather and fit snugly and uniformly. Old one was made in USA, new one in Malaysia. When did these design changes come about. By the way -- functions (and handbook)seem identical. Is it possible to find new old stock of the old model? Are there variations of current models available? Anyone else have the same complaints I have?

Re: Old-style vs. new 12C
*Message #2 Posted by **Ron Ross** on 11 Oct 2000, 8:27 a.m.,*
in response to message #1 by Andy Fusco

The HP12c production has moved at least three times, maybe more. My original was made in USA, but my second was made in Brazil (actually seems a bit better), but new ones are made in asia(which country I don't know). However buying a used one or looking to a store that may have older inventory is probably your best bet. Finding a good ole USA calc will be very difficult or you will be very lucky. I do like the layout of the 10c series and bought the 12c to save my 15c from abuse.

You might consider upgrading (functions not style) to the hp17b. It has much more capability than the 12c. Just a thought.

Re: Old-style vs. new 12C
*Message #3 Posted by **Ignacio Moratinos** on 11 Oct 2000, 3:20 p.m.,*
in response to message #2 by Ron Ross

Have you tried to touch both battery terminals with a metallic object to discharge the capacitor. Some old HP that seemed to be dead or crazy, went back to life with this method.

Re: Old-style vs. new 12C
*Message #4 Posted by **Andrés C. Rodríguez (Argentina)** on 11 Oct 2000, 4:48 p.m.,*
in response to message #3 by Ignacio Moratinos

Remove the batteries.

Short-circuit the calculator terminals to discharge internal capacitors.

Press the ON key several times without batteries.

Wait some time (quantity not defined).

Reinstall batteries and see if the calculator works.

If not, repeat with a longer wait in step 4

Good luck!

Re: Old-style vs. new 12C
*Message #5 Posted by **Andy Fusco** on 13 Oct 2000, 2:33 p.m.,*
in response to message #4 by Andrés C. Rodríguez (Argentina)

Tried it -- still no luck. I am afraid it's a goner. Thanks anyhow.

Re: Old-style vs. new 12C
*Message #6 Posted by **Andy Fusco** on 13 Oct 2000, 2:05 p.m.,*
in response to message #3 by Ignacio Moratinos

Tried shorting it out, to no avail.

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Kilby's Nobel Prize
*Message #1 Posted by **Todd Garabedian** on 10 Oct 2000, 2:43 p.m.*

It was announced today that Jack Kilby of Texas Instruments will share the 2000 Nobel Prize in Physics. For those of you that don't know, Kilby was one of the pioneers of the integrated circuit, and a co-inventor of the pocket calculator!!

The TI website has a good biography of this influential man: http://www.ti.com/corp/docs/kilbyctr/jackstclair.shtml

The Nobel website has the press release: http://www.nobel.se/announcement/2000/physics.html

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Tape for 19C
*Message #1 Posted by **Mike Davis** on 10 Oct 2000, 2:30 p.m.*

Is thermal printing paper available for the 19C? Where? How much?

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Are CPU boards for 41C / CV / CX interchangable
*Message #1 Posted by **David F.** on 10 Oct 2000, 7:26 a.m.*

I have a 41CX with a perfect CPU board, but all other components suffer from corrosion or broken plastic. Can I transplant the 41CX CPU board into a 41C or 41CV?

Re: Are CPU boards for 41C / CV / CX interchangable
*Message #2 Posted by **John Robinson** on 10 Oct 2000, 7:20 p.m.,*
in response to message #1 by David F.

David,

I have done this several times and had no problems what so ever. There are differences in both CPU boards and keyboard PCBs, but they all seem compatible. - John

Re: Are CPU boards for 41C / CV / CX interchangable (more)
*Message #3 Posted by **John Robinson (Australia)** on 10 Oct 2000, 11:24 p.m.,*
in response to message #1 by David F.

But ... something to keep in mind if your transplanting across different age machines : The CPU boards can vary in thickness depending on their age, the older ones being thicker than the newer ones. Also, the case backs vary as well, some press against the CPU board, and some don't. You may need to use the spacer washers (those white nylon things) depending on the CPU board thickness and type of case back. - John

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HP42S
*Message #1 Posted by **daveT (Australia)** on 9 Oct 2000, 6:13 p.m.*

I've had a 42S for 10 years but it has finally kicked the bucket (died). The keys lock up and it starts doing random calculations on its own! It has been a great machine and workhorse over these years and I would love to get another one. However this model has been superseded by the 48G+ and is no longer in production.

If anyone knows where i could get a 42S (pref. in Australia), I would appreciate hearing from you.

Thanks

Dave T

Re: HP42S
*Message #2 Posted by **Dave Hicks** on 9 Oct 2000, 7:48 p.m.,*
in response to message #1 by daveT (Australia)

There are a few for sale (including NIB samples) in the classifieds section right now.

Re: HP42S
*Message #3 Posted by **Richard Anderson** on 10 Oct 2000, 9:04 a.m.,*
in response to message #1 by daveT (Australia)

Two of my three 42s's have done odd things that made me think they had gone seriously kaput. One started singing ...well beeping any time any button was presse, then crashed. I think it is prone to happen on the "C" machines when the batteries are low. I called HP in England and a wise person suggested that I take the batteries out for a few minutes, then replace them. I saw the sad sight "memory clear" but, at least for me, the machine has worked properly ever since. I now replace the batteries every year (or so) whether they need it or not. My "A" machine has never misbehaved like this and I used to let it continue to function for a long time with the low battery indicator on. They are strange and wonderful things, these little computerakis. Richard

Re: HP42S

*Message #4 Posted by **Paul Brogger** on 11 Oct 2000, 12:06 p.m.,*
in response to message #1 by daveT (Australia)

For a while, I was obtaining HP-42S calculators via the following subterfuge: I bought any "broken" HP-42S I could find. I'd also obtain another relatively new Pioneer (usually a business model) at a bargain-basement price. (Nobody wants an algebraic HP . . .)

Using the techniques detailed in "Pioneer Repairs" (under "Repairs & Batteries" on the MoHPC main page -- http://www.hpmuseum.org/guest/brogpion.htm), I swapped the guts of the two calculators. (You might need to cut a hole for the infrared LED.)

I then sent in the "broken" 42S case (with algebraic guts, and maybe even a 7-segment LCD from a -20S!) to HP, got a new HP-42S service replacement for $70, and auctioned that "Mint In Plastic" on Ebay for (typically) $270. (But this is all moot, as HP's service of the -42S is presumably no longer available.)

However, the -42S guts usually worked with the newer (not worn out) case & keys. (If you need a new LCD, use an HP-17B or BII for replacement.) I spray-painted the keyboards a nice, designer-ish flat black, and taped a flip-out, laminated color print of the MoHPC image of the HP-42S to help with the keyboard recognition. (Another form of creative use of MoHPC imagery -- thanks again, Dave!)

The point being: believe it or not, repair or replacement of the keyboard and/or display components of a much-loved Pioneer is not impossible. If it's the mechanical or display parts that are broken, your HP-42S is not beyond hope.

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HP41C query
*Message #1 Posted by **Iqbal** on 9 Oct 2000, 6:13 a.m.*

There is a photo of an HP41C going on on ebay:

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=462914185

But I have never seen a display [rounded at corners, instead of square] like this on an HP41C. Would this be a CX? Or could it be the display was changed. Thanks, Iqbal

Re: HP41C query
*Message #2 Posted by **kynes** on 9 Oct 2000, 7:36 a.m.,*
in response to message #1 by Iqbal

It's a 'Halfnut'-model with redesigned electronics, a description here: http://www.hpmuseum.org/collect.htm#variations

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Fluff
*Message #1 Posted by **Katie Wasserman** on 9 Oct 2000, 12:07 a.m.*

Has anyone else noticed that the HP family picture <http://www.hpmuseum.org/gallery/family.jpg> provided by HP on this site doesn't have the correct Woodstock series calculators. It shows 7 of them, shouldn't there be just 6 of them. As far as I can tell, it duplicates the 25C and the 21 and leaves out the 25. I know that this is total fluff, but they seem to have the rest of the family correct.

BTW, Dave, is there a way to include a hot http link in your recently upgraded formatting language?

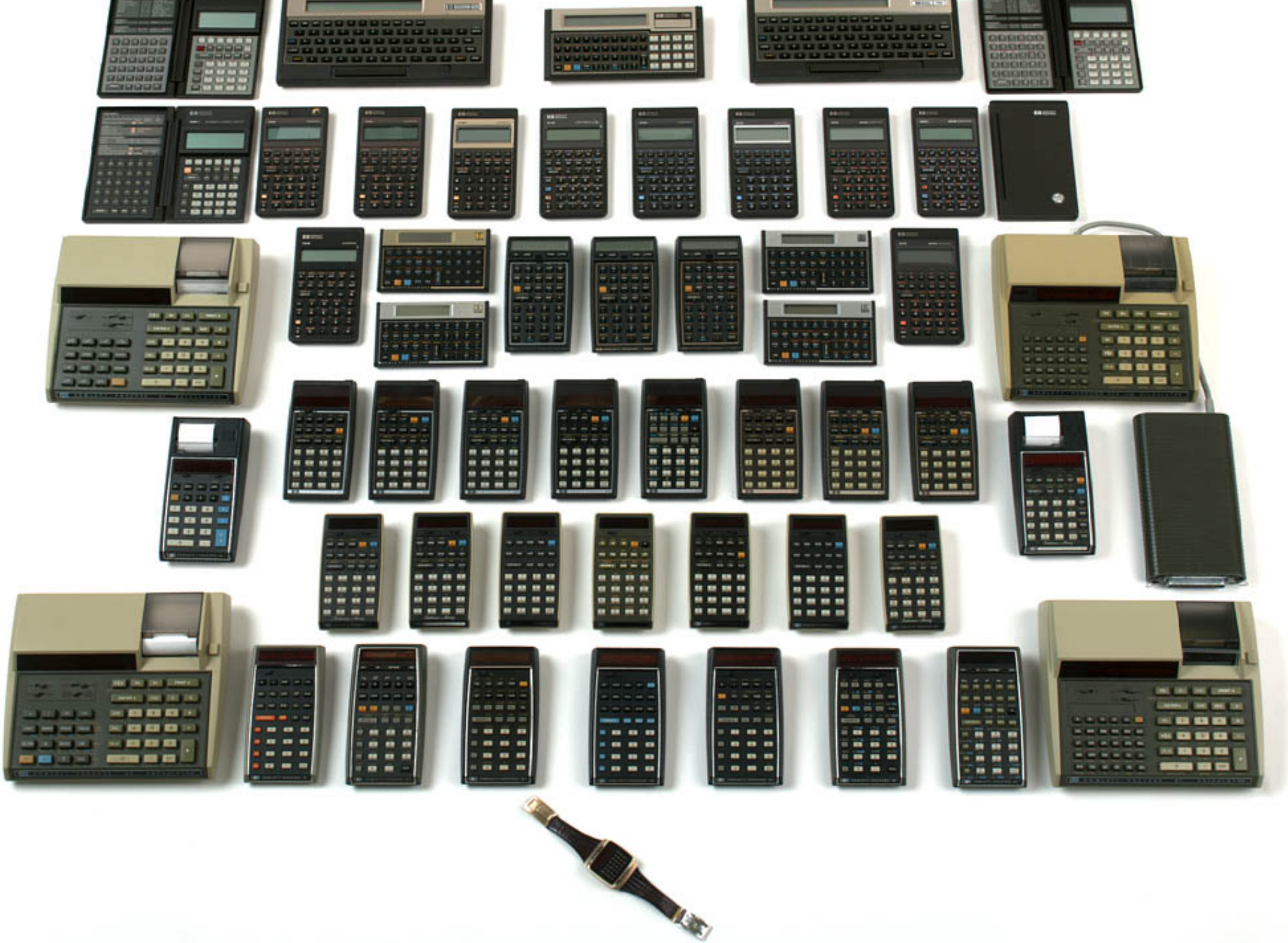
Re: Fluff
*Message #2 Posted by **Viktor Toth** on 9 Oct 2000, 8:39 a.m.,*
in response to message #1 by Katie Wasserman

Actually, it seems that the HP-25 isn't the only one missing from the picture. I can't see the HP-10C anywhere either, and it's hard to tell, but there appear to be some anomalies with the Pioneers (either the II models are not included and there's an extra machine there, or some models are missing.) Lastly, I see only one machine that looks like the 18C/19B/19BII (although there's one closed Champion, one of the anniversary specials I presume?)

Viktor

Re: Fluff
*Message #3 Posted by **Dave Hicks** on 9 Oct 2000, 10:24 a.m.,*
in response to message #1 by Katie Wasserman

You can include images like:



that... Just enter [http://www.hpmuseum.org/gallery/family.jpg]

Re: Fluff
*Message #4 Posted by **Peter Khor** on 9 Oct 2000, 3:14 p.m.,*
in response to message #3 by Dave Hicks

Show-off; I'm really drooling now ;-) (I presume it's from you collection, rather than a HP publicity shot)

Made it as my new desktop wallpaper even as I type ... which btw does bring up a question, are they any HP 'Collectors' Calc desktop theme/screen saver/wallpaper? Is that a little too obsessive to ask for?

Re: Fluff
*Message #5 Posted by **Dave Hicks** on 9 Oct 2000, 3:54 p.m.,*
in response to message #4 by Peter Khor

No this is an HP shot that was provided for use here. I don't know if my "studio space" is big enough to get a shot like that. I'd have to hang the camera from the ceiling or something.

I've been working on taking some additional shots of calculators - mostly three quarter views to show the overall shape and compliment the straight-on views that I already have. None of these are up yet.

Re: Fluff
*Message #6 Posted by **Reinhard Hawel** on 9 Oct 2000, 7:06 p.m.,*
in response to message #5 by Dave Hicks

Do you have the photo or a better scan?

I have access to a Mutoh large format plotter and printed it at 36" paper. It's nice, bot 1000 * 1000 pixels on 36" isn't that great... I made a test print some hours ago. The poster could get even larger, if I'd change the paper roll...

2000*2000 or even 3000*3000 would be o.k. :-)

I have a negative scanner (Canon something, I don't know the exact number, but it's the expensive model) at work, so I could provide the file, if you trust me so far and send me a photo or negative or whatever you have.

Re: Fluff
*Message #7 Posted by **Dave Hicks** on 9 Oct 2000, 8:40 p.m.,*
in response to message #6 by Reinhard Hawel

I believe the original TIFF from HP was in the 10s of megabytes but I think it was rather soft and may not have much more detail than the scaled down version.

Re: Fluff
*Message #8 Posted by **Reinhard Hawel** on 9 Oct 2000, 10:09 p.m.,*
in response to message #7 by Dave Hicks

I can see the single pixels in my plotted poster.

Re: Fluff
*Message #9 Posted by **Katie Wasserman** on 9 Oct 2000, 4:14 p.m.,*
in response to message #3 by Dave Hicks

Dave,

I read in your instructions that I could included images as you just demonstrated. But for those of us who are "bandwidth challenged" a pointer is nicer to have so that you can view a picture or (more importantly) a web page at your leisure.

-Katie

Re: Fluff
*Message #10 Posted by **Dave Hicks** on 9 Oct 2000, 7:49 p.m.,*
in response to message #9 by Katie Wasserman

That you can't do yet - perhaps in a future update.

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HP 15C
*Message #1 Posted by **Lisa** on 8 Oct 2000, 7:35 p.m.*

I need help using the matrix function of my hp 15c. Any instruction would be much appreciated.

Re: HP 15C
*Message #2 Posted by **William L. Drylie** on 9 Oct 2000, 10:07 p.m.,*
in response to message #1 by Lisa

Lisa. The section in the manual for Calculating With Matrices is about 41 pages. If you e-mail your address to me, I would send you a reprint. For now, I will get you started with an example from the manual. The 15c can work with up to 5 matrices which are named A through E using the 15's corresponding A through E keys. You can specify the size of each matrix, store and recall values of matrix elements and perform matrix operations with complex and real elements. Consider the example.

3.8x1 + 7.2x2 = 16.5 1.3x1 - 0.9x2 = -22.1 determine the values of x1 and x2. Keystrokes: g CF 8 deactivates complex mode. 2 Enter f DIM A dimensions matrix A to be 2X2 f Matrix 1 prepares for automatic entry of matrix elements in user mode. f USER turns on user annunciator 3.8 STO A Denotes Matrix A row 1 column 1 7.2 STO A 1.3 STO A .9 CHS STO A 2 ENTER 1 f DIM B Dimensions matrix B to be 2X1 16.5 STO B 22.1 CHS STO B f RESULT C designates matrix C storing the result. RCL MATRIX B RCL MATRIX A / press divide key RCL C displays 1, 1 (row 1, column 1) -11.2887 (value of (X1)) RCL C 8.2496 (value of (X2)) f USER deactivates user mode f MATRIX 0 Clears all matrices.

The solution to the system is X1 = -11.2887 ans X2 = 8.2496. Up to 64 matrix elements can be stored in memory. Use all 64 in one matrix or distribute them among up to 5 matrices. Matrix inversion can be performed on an 8X8 with real elements or a 4X4 with complex elements. If you have need of further help, I suggest you e-mail me directly at wldrylie@702com.net. I will help more. Or e-mail mailing address, I will send you 15C reprint of matrix section of manual. Good luck. I still have fun using my 15C at work. I can also provide many an engineering example from my daily work and programs. Let me know. Bill.

Re: HP 15C
*Message #3 Posted by **Tom Liang** on 16 Oct 2000, 5:12 p.m.,*
in response to message #1 by Lisa

I have an out-of-production HP15C, but I have misplaced the basic user's manual, although I have the advanced manual. There is an annoying "c" indicator on the lower level of the window and slightly more than three-quaters to the right. I have a guess as to think that it indicates "complex" mode. But when I when I hit the "Re><Im" button, nothing happens to the "c." Can someone help me? Thanks.

Re: HP 15C
*Message #4 Posted by **Bill Smith (oregon)** on 16 Oct 2000, 7:12 p.m.,*
in response to message #3 by Tom Liang

you're right, it is in complex mode.

to deactivate complex mode, clear flag 8 (g CF 8).

Re: HP 15C
*Message #5 Posted by **Thibaut.be** on 17 Oct 2000, 9:23 a.m.,*
in response to message #4 by Bill Smith (oregon)

Yes, SF 8 activates complex mode and CG 8 desactivates it.

Another amazing sutff with the flags is SF 9 activates flashing display and CF 9 desactivates it...

Re: HP 15C
*Message #6 Posted by **tom drewski** on 17 Oct 2000, 1:04 p.m.,*
in response to message #5 by Thibaut.be

Hi Thibaut. Still busy?

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Oops! Power wiring question on 67
*Message #1 Posted by **Mike Davis** on 8 Oct 2000, 4:32 p.m.*

I was carefully disassembling the card drive and I did not realize that the power in from the 3 pin connection, was friction fit.

The wires popped out of their connections and I'm not sure which goes to which contact. There is a red/white and a black/white. Which of these goes to the back contact (toward the back of 67) and which goes to the front (toward the front of the 67)?

Thanks

Re: Oops! Power wiring question on 67
*Message #2 Posted by **Katie Wasserman** on 8 Oct 2000, 5:07 p.m.,*
in response to message #1 by Mike Davis

Mike,

On the 67 card reader interface board:

The red power lead goes furthest back, the black power lead is in front of that. After that (going back to front) is the black motor wire then the red motor wire. Further forward are the leads from the tape head in the following order:

Blue (off to the side), black, yellow, red and orange off to the other side of the red lead.

-Katie

Re: Oops! Wrong wires
*Message #3 Posted by **Mike Davis** on 8 Oct 2000, 7:38 p.m.,*
in response to message #2 by Katie Wasserman

Thanks but the wires I am talking about are not on the interface board.

They are the two wires that come from the charger connector.

There is a white-red wire connected to the third terminal on the charger connector (opposite from the Red wire).

There is a white-black that is connected to the center pin on that same connector.

These two wires go to the board that the LED display is mounted on. There are two small pin connectors in the corner, right next to a transistor. Both connections are friction fit.

Which goes to which?

Mike

Re: Problem solved
*Message #4 Posted by **Mike Davis** on 8 Oct 2000, 9:11 p.m.,*
in response to message #3 by Mike Davis

I figured out which went to which. Thanks

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Ok someone explain this gummy wheel problem
*Message #1 Posted by **Mike Davis** on 8 Oct 2000, 1:54 a.m.*

with card readers on HP67s.

Do these wheels just disolve or what?

What makes them gummy?

Where does one get replacement wheels?

If one had an unopened package card reader can it go bad just sitting there, without ever having been used?

Re: Ok someone explain this gummy wheel problem
*Message #2 Posted by **Steve (Australia)** on 8 Oct 2000, 2:05 a.m.,*
in response to message #1 by Mike Davis

1) yes (disolve) -- well sort of. The rubber used is not particularly stable (did HP expect them to have to last 20+ years???)

2) see above

3) See article by Dave (The lost rabbit) at...

http://www.hpmuseum.org/cgi-sys/cgiwrap/hpmuseum/articles.cgi?read=57

4) yes

Re: Ok someone explain this gummy wheel problem
*Message #3 Posted by **Todd Garabedian (USA)** on 8 Oct 2000, 7:24 a.m.,*
in response to message #1 by Mike Davis

Mike,

My understanding is that when HP developed their card reader back in the mid 1970s, the best material for use in the drive wheels of the card reader motor was a rubber derivative. Well, that rubber will oxidize over time and turn to a gummy mess. So, it's quite possible (and probably very likely) that an unused card reader would have it's drive wheels deteriorate. Oxidation is a process that doesn't discriminate between used and unused card readers!

Materials technology has progressed since then. As mentioned, Dave and a few others on this forum have described replacing those wheels with silicone-based materials that are much less prone to oxidation. Replacement wheels per se cannot be purchased anymore, but several ingenious collectors have found that certain O-rings, tubings, etc., match the required size quite well. Replacing the wheels is apparently a fairly straightforward process, although I've never done it myself.

Best of luck,

Todd Garabedian, Glastonbury, CT

Re: Ok someone explain this gummy wheel problem
*Message #4 Posted by **Katie Wasserman** on 8 Oct 2000, 8:56 a.m.,*
in response to message #3 by Todd Garabedian (USA)

I've done about 10 card reader repairs trying various materials (o-rings, rubber feet, tubing). I've made all of these work, but by far the best one and the one probably closest to the original that I've found is silicone rubber tubing 1/4" OD x 1/8" ID. It fits on the gear shaft perfectly without the need to glue it on and provides plenty of contact area with the card (unlike the o-rings).

This is readily available from Small Parts Inc. (www.smallparts.com) (800) 220-4242. They sell 10 feet of this (enough to repair 1000 card readers!) for $24 (part # 210005). BTW, they also sell the 1/8" Delrin balls (4 of them) used in the card reader in case you loose them while doing the repair (10 for $2, part # BDLR-2) -- I've never seen these disintegrate, however.

Also, they have .005" beryllium copper sheet (part # BCS-005) that can be used to make card contact springs used inside the reader. (These springs do corrode over time.) And this

same material (or the ticker stock BCS-006 or BCS-010)) can also be used to make replacement battery contact springs for the Spice series calculators. (Just cut to size, shape it like the original contact, drill a 1/16" hole in it, drill out the rivet holding the broken contact and secure the new contact with an 0-80 screw and nut. Takes about 5 minutes and looks and works great!)

Re: Ok someone explain this gummy wheel problem
*Message #5 Posted by **Erik Wahlin** on 8 Oct 2000, 12:21 p.m.,*
in response to message #4 by Katie Wasserman

Katie, Is that tubing from small parts the same as "Tygon" hose. I do have their catalog and will look up that hose you specified. Too bad they don't sell the correct spurr gear for HP-97 printers! I looked into that once. Even though the Tygon hose is 1/4"OD x 1/8 ID, it always seems to have a little bit larger OD when slipped on the gear. My remedy has been to chuck the hose in a lathe with drill on the ID and machine off a little of the OD.

Re: Ok someone explain this gummy wheel problem
*Message #6 Posted by **Katie Wasserman** on 8 Oct 2000, 5:17 p.m.,*
in response to message #5 by Erik Wahlin

Erik,

The silicone rubber tubing is much more flexible and softer than Tygon. It's about the consistency of silicone bathtub caulk and can stretch up to three times its original length. (Not that you'd want to do that in this case!). It doesn't need to be turned down at all probably because it's soft enough.

I checked with Small Parts on the 97 printer spur gear too. They don't carry any 24 pitch gears but said that they might be able to special order some. I'm going to get a price quote from them and see if it makes sense (i.e., it's cheaper than buying old 97's on ebay just for the gear). I'll assume that if I have to buy 10 or so, to get a decent price that I'll have no problem finding people on this list to share the order with. (Otherwise, I'll have to go into business repairing them, I suppose!)

-Katie

Re: Ok someone explain this gummy wheel problem
*Message #7 Posted by **Viktor Toth** on 9 Oct 2000, 12:09 a.m.,*
in response to message #6 by Katie Wasserman

Katie,

I'll gladly "pitch in" and purchase a few spare gears if that helps to keep the price down.

Viktor

Re: Ok someone explain this gummy wheel problem
*Message #8 Posted by **Randy Smith** on 10 Oct 2000, 4:00 a.m.,*
in response to message #4 by Katie Wasserman

Hey Katie, How about posting this info to the articles forum? It would be a good place for this info. Randy

Re: Ok someone explain this gummy wheel problem
*Message #9 Posted by **Katie Wasserman** on 10 Oct 2000, 8:56 p.m.,*
in response to message #8 by Randy Smith

Randy,

I was planning on writing up an article on several repairs that I have some experience doing. I've just got to find some time to work on it. I'd like to put some pictures in with the write ups. It's very hard to understand what's being talked about until you have the calculator in pieces and many people are reluctant to go that far without a really good description of what to expect.

-Katie

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Coca-Cola Patented an HP-71B system?
*Message #1 Posted by **Hugo** on 7 Oct 2000, 2:01 p.m.*

I found this link by accident today :

http://164.195.100.11/netacgi/nph-Parser?Sect1=PTO1&Sect2=HITOFF&d=PALL&p=1&u=/netahtml/srchnum.htm&r=1&f=G&l=50&s1='4,800,492'.WKU.&OS=PN/4,800,492&RS=PN/4,800,492

This Patent was registered by Coca-Cola in 1989. They use a HP-71B with the HP-IL 82165A GP-IO interface as a Data Logger for Post Mix Beverage Dispensing System. Does anobody here ever heard of this system??

BTW, when you're on the page, click on the Image icon in the bottom of the page. You'll be able to see the content of the Patent. If you can't see it, click on Help on top of the screen and install the plug-in called AlternaTIFF.

No they didn't!
*Message #2 Posted by **Todd Garabedian (USA)** on 8 Oct 2000, 7:33 a.m.,*
in response to message #1 by Hugo

Hugo,

Coca-Cola did not patent an HP-71B system. They patented an apparatus and system that logs how much of various beverages are dispensed (in a restaurant, for example) during a day. The system happens to USE an HP-71B and a GP-IO interface in one embodiment, but the claimed invention is not to the HP-71B system itself.

For HP collectors and enthusiasts, this patent is another example of the use of the HP-71B as a controller.

Todd Garabedian Glastonbury, CT USA

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41CV Overlay Templates
*Message #1 Posted by **Mike Davis** on 7 Oct 2000, 11:20 a.m.*

Did HP ever make an overlay template, that was identical to the keyboard backing, without an overlay?

This could come in handy when you needed to carry around an extra template for some other functions and did not want to have to remove and store the other template. You could just swap their order on the 41CV and both could always be with the 41.

If they were made, anyone know where to get one?

Re: 41CV Overlay Templates
*Message #2 Posted by **Steve (Australia)** on 7 Oct 2000, 7:31 p.m.,*
in response to message #1 by Mike Davis

Yeah, I think what you're talking about are the two that came with every HP41. One beige, the other black (just like the calculator).

Ask in the classifieds, or keep an eye out on ebay.

Re: 41CV Overlay Templates
*Message #3 Posted by **Jerry Doctor** on 7 Oct 2000, 7:58 p.m.,*
in response to message #1 by Mike Davis

Mine came with one that has the printing in black on a grey background. I've always used it on the calculator since the improved contrast makes it easier (at least for me) to read than the actual keyboard.

Re: 41CV Overlay Templates

*Message #4 Posted by **Iqbal** on 8 Oct 2000, 11:04 p.m.,*

in response to message #1 by Mike Davis

There is one on ebay up for auction.

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=462583733

Good Luck, Iqbal

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Help - printer and hp86
*Message #1 Posted by **Ulisse Quadri** on 6 Oct 2000, 3:48 p.m.*

I have a problem: connectind a standard printer (Epson stylus color 500) with my HP86, the printer blok and rumble,also if the computer is off. I think are a cable problem but don't have a solution. Please help me. Thanks

Ulisse Quadri

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New HP32SII
*Message #1 Posted by **Ignacio Moratinos** on 6 Oct 2000, 2:44 p.m.*

Today I saw one of the "newer" HP 32SII at my local store. I saw it from a very close distance, but I didn't have it in my hands. It's only a restyling: green and blue shift keys like the 48G series and the faceplate around the screen in silver (unpainted).

I don't have an older 32SII, but I do have a 42S, that uses a very similar case.

My concern it's that seemed to have a more crude finishing. Keys are made from plastic, but the graphics in them looked a little bit blurry. They key itself seemed not so well finished. May be the symbols are painted on the keys, not moulded?

I know I can look very subjective, but taking in consideration the drop in manufacturing quality that HP has experimented in the last years.

Anyone has other opinions?

Best Regards

Ignacio

Re: New HP32SII
*Message #2 Posted by **Bert K (the Netherlands)** on 7 Oct 2000, 5:34 a.m.,*
in response to message #1 by Ignacio Moratinos

Is the calculator shell brown as in the original 32SII? Or does the entire calculator have the HP48 styling?

I hope to get a close look myself of this new style 32SII so I can see the differences with an original 32SII (I have one).

I have also got a 20S lying around and the keys on that one are different from the 32SII, they have a to me cheap glossy look to them. I hope HP didn't "go cheap" on the new 32SII.

Bert

Re: New HP32SII
*Message #3 Posted by **Ignacio Moratinos** on 7 Oct 2000, 9:24 a.m.,*
in response to message #2 by Bert K (the Netherlands)

The calculator shell is dark grey as on the 48G, with the protruding part around the screen polished and unpainted. It definitely looks "cheaper". I don't have any photo. I expect HP will soon provide one as with the new HP10BII (beautiful)

Re: New HP32SII
*Message #4 Posted by **Tom** on 7 Oct 2000, 7:07 a.m.,*
in response to message #1 by Ignacio Moratinos

Can you post a picture of this "new" calculator?

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New HP line ? HP-10BII
*Message #1 Posted by **GE** on 6 Oct 2000, 9:22 a.m.*

I just stumbled into a completely redesigned HP-10BII today. It has an acceptable keyboard, is algebraic, numeric range to 10^500, not programmable, the works. At about $30, this seems to be a very nice machine, a lot more convincing than the pathetic HP6 or HP30. Are they designing a new range from the bottom up ? We'll see.

Link to new HP10BII
*Message #2 Posted by **Gene Wright** on 6 Oct 2000, 9:52 a.m.,*
in response to message #1 by GE

http://www.hp.com/calculators/business/10bii_info.html

But not available yet - hp shopping.com does not have them
*Message #3 Posted by **Gene** on 6 Oct 2000, 2:21 p.m.,*
in response to message #2 by Gene Wright

Called to get one and no dice. Dang!

Re: But not available yet - hp shopping.com does not have them
*Message #4 Posted by **GE** on 9 Oct 2000, 11:56 a.m.,*
in response to message #3 by Gene

Sorry, I should have checked HP's site before posting. And correction, the keyboard LOOKS good with the nice slanted faces like the CX, but at times it takes three REAL pushes on the ON key to power the beast up. The functionality is nice anyway, at a quite lower price than the original 10B.

On HP shopping : don't use it ! (recall the problems faced by regular dealers ?)

if anyone finds a 10BII in stock, please let me know
*Message #5 Posted by **Gene** on 9 Oct 2000, 2:04 p.m.,*
in response to message #4 by GE

I need one quick to become familiar with them, since we use these in our business classes at the University where I teach. Wish I could call someone at HP and say "Hey! Send me, an educator, one of those so I can get familiar with it!".

Gene

Re: 10BII in classes
*Message #6 Posted by **Andrés C. Rodríguez (Argentina)** on 9 Oct 2000, 4:02 p. m.,*
in response to message #5 by Gene

Do visit http://www.hp.com/calculators. There is a specific link for high education, http://www.hpineducation.hp.com/hied/hied_home.html and they should be glad about your interest!

HP knows and has agreed to list my textbook in HP^c
*Message #7 Posted by **Gene** on 11 Oct 2000, 3:51 p.m.,*
in response to message #6 by Andrés C. Rodríguez (Argentina)

Thanks for the note. HP knows that we use HP business calculators at my university.

They have also agreed to list my business math textbook in the next HP^c (assuming that they have a supplemental texts page next time).

Gene http://members.aol.com/hpgene/book.html

Re: Link to new HP10BII
*Message #8 Posted by **Tom (UK)** on 12 Oct 2000, 7:27 a.m.,*
in response to message #2 by Gene Wright

The page at:

http://www.hp.com/calculators/business/10bii_info.html

seems to have been removed (I did see it a few days ago). A search of HP's site for '10bii' finds nothing.

Was someone 'jumping the gun' i.e. calculator exists but HP have not launched it yet?

When will HP launch this machine?

Is this an insider hoax? (unlikely)

The styling (as I remember when I looked at the page) reminds me a bit of the '41 series.

Re: Link to new HP10BII
*Message #9 Posted by **Ignacio Moratinos** on 12 Oct 2000, 9:48 a.m.,*
in response to message #8 by Tom (UK)

It really exists. I saw it at a store here in Spain. Looks really good and doesn't give the cheap impression that the "new" HP32SII does.

Staples
*Message #10 Posted by **M. Hyche** on 13 Oct 2000, 9:44 a.m.,*
in response to message #8 by Tom (UK)

A new Staples mega store was just opened in my humble town, and they have the new model as of about a week ago. I pawed it, and it feels fine. The label printing is OK. All in all, a decent machine. I do like the black/48G green color combination.

You saw the wrong version of 10B, I think
*Message #11 Posted by **Gene** on 14 Oct 2000, 7:26 a.m.,*
in response to message #10 by M. Hyche

There is a change HP has made to the long-standing HP10B by printing the shifted functions in teal-green now instead of the easily readable yellow.

The HP10BII were discussing is a brand new design, with 2 shift keys, one yellow the other purple. It looks nothing like the old one.

:-)

Gene

Contraire
*Message #12 Posted by **M. Hyche** on 14 Oct 2000, 5:31 p.m.,*
in response to message #11 by Gene

I saw the correct version (BII). It is at Staples in McAllen, TX. If you would like, I will buy them out for anyone who is interested.

Re: Contraire
*Message #13 Posted by **tomd** on 16 Oct 2000, 1:06 p.m.,*
in response to message #12 by M. Hyche

Hey Mike! How much were they asking for them?

Re: Contraire
*Message #14 Posted by **M. Hyche** on 16 Oct 2000, 1:37 p.m.,*
in response to message #13 by tomd

Tom,

I don't recall off-hand. I'll see if I can run by there tonight and check for you all.

None at my Staples
*Message #15 Posted by **Gene Wright** on 16 Oct 2000, 3:15 p.m.,*
in response to message #14 by M. Hyche

Looked today at lunch. None around.

They did have the very ugly looking "teal green" HP-10B's in stock.

What on earth is HP thinking?

They change the yellow shift function color for one with MUCH less contrast. They do this on a calculator they are replacing within 3 months. Stupid!

Does anyone at ACO/HP think about things like this?

Gene

Re: None at my Staples
*Message #16 Posted by **db (martinez, california)** on 16 Oct 2000, 8:13 p.m.,*
in response to message #15 by Gene Wright

what is the "ACO"?

Re: What is ACO
*Message #17 Posted by **Glynn** on 17 Oct 2000, 12:35 a.m.,*
in response to message #16 by db (martinez, california)

ACO...

It used to be a name: The Australian Calculator Organization. Now I think it is just a loose office-moniker: not really an official name as such. Maybe it is still used within HP, or by ACO itself, I am not sure.

In the collectibles era, you know the divisions that the various products came from primarily by their geographic locations: Palo Alto CA, Loveland CO, Corvallis OR, etc. Each was responsible for some calc development at one point or

another, and each had their own "personality"-- which was reflected in the products.

In the nineties, however, HP was about to go out of the calculator biz altogether. Divisions handling this were cut WAAY back, and some reorganization plans were drawn up that saw HP exiting this market altogether. Calculators got a back seat in the early nineties and from about 1990-1995 were being fitted with cement shoes, ready for the last ride. But a few sensible folk inside HP still saw a potential for calculators.

There was an HP office located in Australia, supervising design and production of some of the HP products in the Malaysian, Australian, Thailand/Singapore factories. They either lobbied for, or got stuck with, the calculator operations. I like to think they lobbied for it. They took on the name Australian Calculator Organization, or ACO, and took all responsibilities for the existing lines and new product development of HP calculators. I believe this happened around 1995(?).

The ACO's home-developed product is out there to be seen, a la the 6s Solar, (I think) the 39's, the Xpander and so on. They have had only a meager development budget, I am told, and have since been sort of lumped under the supervision of a new "Mobile Computing" division within HP.

So "ACO", if that name still applies, is where, from our standpoint, the "action" is, or rather, where it should be.

After the new administration split HP and Agilent, the ACO is on the HP half (in my opinion, a mistake). Fiorina's dedication of the HP company to internet-based customer contact and services (she came originally from Lucent) likely means that she/the company sees dedicated calculators as sort of a waning subset of the "REAL star", the PDA.

If the ACO is to continue to deliver professional numeric/ dedicated tools, they'll have to prove that theirs is not just a legacy product. They've survived, in part, on the long runs of the 12c, 10b, and such for a while now...

But I have to admit, they've got a tough row to hoe... the HP that spawned the calculators is now becoming an integrated, consolidated monolith, not the same corporate culture that saw internecene wranglings over "turf" every few years. So the goals they set will be mass-market ones, not the narrowly-focused vision of isolated engineering departments.

Such an "assimilated" company would probably have kept Wozniak on, developing an Apple in-house, instead of saying "this does not fit our market needs". On the other hand, such a company would probably not have been as fully instrumental and involved as HP really WAS in developing C-MOS processes and memory and display technologies just to realize the needs and goals of "thin" markets such as test instrumentation, terminals and calculators.

Well, Cheers! to the "ACO"-- I wish it good health and prosperity, and maybe a touch of that old HP spirit and magic...

Re: What is ACO

*Message #18 Posted by **db (martinez, california)** on 17 Oct 2000, 10:31 p.m.,*

in response to message #17 by Glynn

glynn; .....and thoes other historic hp atributes like the guts to stick thier neck out, understanding what is needed by people who make thier living doing math: not just running canned programs, and a willingness to make the best. and thanks for the history lesson. not being a collector i didn't know thoes tidbits at all.

Re: None at my Staples
*Message #19 Posted by **Todd Garabedian** on 17 Oct 2000, 9:13 a.m.,*
in response to message #15 by Gene Wright

Gene,

They probably did some market research and found that the teal colors were more attractive to the kids that buy that calculator. It's the same principle with the 38G and it's funky color scheme.

Todd

Appealing but unreadable?
*Message #20 Posted by **Gene Wright** on 17 Oct 2000, 9:50 a.m.,*
in response to message #19 by Todd Garabedian

Oh, my daughter likes teal-green, but that doesn't mean she should use it to print her book reports on dark brown paper!

Make the stinking case teal-green if you like, but provide contrast!

The decisions are just nuts! Ok, so my calculator know looks like a Star Trek Voyager Prop Reject. Big deal (I guess). But if I can't READ the labels on it, it does no good!

Gene

Re: Appealing but unreadable?
*Message #21 Posted by **Todd** on 17 Oct 2000, 3:20 p.m.,*
in response to message #20 by Gene Wright

Indeed!

You may not be able to read the keyboard, but the calculator looks good! Stylish to the other 15 year olds!

;-)

TEG

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71B user keys question
*Message #1 Posted by **Angus Macleod** on 5 Oct 2000, 7:06 p.m.*

I was wondering if it's possible to assign a key like the backspace ([f][<]) to a key for user mode, or is there any other way to get a 1-key backspace - especially for using in calc mode.

Thanks.

Re: 71B user keys question
*Message #2 Posted by **Reinhard Hawel** on 6 Oct 2000, 5:01 a.m.,*
in response to message #1 by Angus Macleod

Yes, I believe it is possible and I'll look into my manuals and post a solution, when I'm back in my home.

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HP71b Barcode reader
*Message #1 Posted by **Mark Beazley** on 5 Oct 2000, 2:48 p.m.*

Any one know where i can get hold of the Barcodes that come with the barcode reader.

Re: HP71b Barcode reader
*Message #2 Posted by **Reinhard Hawel** on 6 Oct 2000, 5:25 a.m.,*
in response to message #1 by Mark Beazley

The barcode reader was an industrial produkt by Zengrange, UK and didn't come with any labels like the 41 Bar code reader.

I do have scanned copies of the manual, but I couldn't reach Zengrange til now (does somebody know, if they still exist ?) for getting the rights putting it onto the HPmuseums CD.

Re: HP71b Barcode reader
*Message #3 Posted by **Angus Macleod** on 11 Oct 2000, 5:47 p.m.,*
in response to message #2 by Reinhard Hawel

Zengrange are still on the go (+44 (0)113 259 7555) but they do not do the barcode stuff any more. That part of the company was spun off and is now a company called something like 'Bar Tech Auto ID' - their phone no is +44 (0)1226 770 581.

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HP-12C operation
*Message #1 Posted by **Ralph Hollis** on 5 Oct 2000, 11:17 a.m.*

I have an HP-12C that has gone into a weird mode. The decimal point and comma are inverted. A comma will show where the decimal point should be and a decimal point shows where the comma should be for thousands separation. I am told that this is European mode. That's fine, but how do I get back to standard mode??

Can anyone help?

Re: HP-12C operation
*Message #2 Posted by **kynes** on 5 Oct 2000, 11:34 a.m.,*
in response to message #1 by Ralph Hollis

No Panic! Turn off the 12c, press and hold the [.]Key (decimal point) and then press [ON], now it will be correct.

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HELP!
*Message #1 Posted by **EmpPhreak!** on 5 Oct 2000, 11:01 a.m.*

i recently got a HP-32SII for use in a UIL competition. i didn't receive a user manual with it, can someone please show me how to program it?

Re: HELP!
*Message #2 Posted by **Dave Hicks** on 5 Oct 2000, 4:49 p.m.,*
in response to message #1 by EmpPhreak!

To get a new manual, call HP at 800-227-8164 or visit a dealer. The part number for the English manual is 00032-90068.

For a used one, you could try the classified ads section and/or eBay.

You can also order a museum CD which has the manual for the HP-32S (not II) which is similar.

Or, if you're just looking for a basic idea, look at some of the programming guides at http://www.hpmuseum.org/prog/program.htm as well as the HP-32S page.

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How to remove the Classic back label
*Message #1 Posted by **Hugo** on 4 Oct 2000, 10:03 p.m.*

I want to know what are the best way you have found to remove the back label without damage.

Thanks

Re: How to remove the Classic back label
*Message #2 Posted by **Gianmaria (Italy)** on 5 Oct 2000, 3:10 a.m.,*
in response to message #1 by Hugo

You could start to take a look at following John Robinson's message: Classic series back label removal, John Robinson - 14 Aug 2000, 8:01 p.m. However you can use an hair-dryer until the upper corner of back label is quite hot, then you can carefully lift it. You have to repeat that step also with other corner. Let me know how do do you think. Greetings! Gian

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HP-12C User manual
*Message #1 Posted by **Ralph Hollis** on 4 Oct 2000, 9:37 p.m.*

Any way to get a user's manual on an HP-12C?

Re: HP-12C User manual
*Message #2 Posted by **Dave Hicks** on 5 Oct 2000, 4:40 p.m.,*
in response to message #1 by Ralph Hollis

To get a new one, call HP at 800-227-8164 or visit a dealer. The part number for the English manual is 00012-90001.

For a used one, you could try the classified ads section and/or eBay.

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Using AC Adapter/Charger with 67 or 97
*Message #1 Posted by **Mike Davis** on 4 Oct 2000, 2:56 p.m.*

Does a battery have to be installed to use the 67 and/or 97 on the AC Adapter? Someone told me that they could not test a calculator because they only had an adapter and did not have the battery.

How useable are either of these models with only an AC Adapter and no battery?

Re: Using AC Adapter/Charger with 67 or 97
*Message #2 Posted by **Rupert (European Union)** on 4 Oct 2000, 3:35 p.m.,*
in response to message #1 by Mike Davis

> Does a battery have to be installed to use the 67 and/or > 97 on the AC Adapter? Someone > told me that they could not test a calculator because they > only had an adapter and did not > have the battery. > > How useable are either of these models with only an AC > Adapter and no battery?

Here is a post from comp.sys.hp48:

****

From: John H Meyers <jhmeyers@miu.edu> Newsgroups: comp.sys.hp48 Subject: Care of old HP calcs and chargers Date: Thu, 21 Sep 2000 07:30:21 GMT Organization: Deja.com - Before you buy. Lines: 56 Message-ID: <8qcddluuj1@nnrp1.deja.com> NNTP-Posting-Host: 208.145.207.60 X-Article-Creation-Date: Thu Sep 21 07:30:21 2000 GMT X-Http-User-Agent: Mozilla/4.73 [en] (WinNT; U) X-Http-Proxy: 1.0 x57.deja.com:80 (Squid/1.1.22) for client 208.145.205.253, 208.145.207.60 X-MyDeja-Info: XMYDJUIDjhmeyers

I'm prompted to post this by seeing old HP calcs offered for sale with notices such as this:

"HP25C: Includes charger and battery pack, which looks fairly clean. Compartment is clean. When I plugged it in, I got a flashing display, then nothing."

Plugging that calc in without a good battery pack in place would probably have destroyed it, unfortunately.

Practically all HP "LED" calculators whose charger has only two pins depend upon a fully functional battery pack to absorb and filter the output of the charger, which has no internal filter or voltage regulator itself (it is often just a transformer, no power supply electronics in it at all).

Without the battery pack, the transformer delivers too much voltage to the calculator; I destroyed one or two myself before I learned better.

Three-pin chargers (HP35, HP80, etc.) are okay (they deliver a filtered steady voltage supply for the calc, plus another separate charging voltage to the batteries only), but two-pin chargers are life-threatening to old HP calcs without fresh, chargeable batteries securely in place.

Radio Shack (USA) may still be selling "Replace-a-cell" NiCd AA-size batteries; these have the "flat tops" exactly like the original HP-supplied cells ("button-top" cells are slightly longer, and will flatten and damage battery contacts if inserted into some calc models); cells removed from cordless phone battery packs (often on sale at Wal-Mart etc.) are usually similarly without the "button tops" and if so will also work fine.

In a pinch, you can, believe it or not, bang down the "button-top" of a couple of AA-size alkaline cells with a hammer, to make cells which will fit and properly operate an HP calc (but you should not then use the charger at all, because it would overcharge and possibly cause ordinary batteries to burst).

Knowing these facts will help to preserve and increase the value of any old HP calcs still circulating in the market, and I hope that any sellers who read this will profit by this information (and "save the skeets," as Tom and Ray say :)

---------- With best wishes from: John H Meyers <jhmeyers@mum.edu>

Sent via Deja.com http://www.deja.com/ Before you buy.

****

The HP-67 is not mentioned above but its charger has three pins too. I tested my HP-67 purchased from eBay some months ago, without the accu-pack, at my own risk. It seems to work.

--

Re: Using AC Adapter/Charger with 67 or 97
*Message #3 Posted by **Viktor Toth** on 4 Oct 2000, 9:19 p.m.,*
in response to message #1 by Mike Davis

HP-67: the calculator works with no battery pack installed, receiving regulated voltage from the charger, but there's not enough current to drive the card reader.

HP-97: the calculator does NOT work with no battery pack installed, but according to HP docs, it is not damaged either in this configuration. (This is in contrast with Woodstocks, especially 'C' Woodstocks, that can die a quick and ugly death this way.)

Viktor

Re: Using AC Adapter/Charger with 67 or 97
*Message #4 Posted by **DaveJ** on 5 Oct 2000, 10:04 a.m.,*
in response to message #3 by Viktor Toth

The HP-97, 91, 92 printers will instantly be destroyed if printing is attempted without a battery pack installed (or some other means to achieve proper electrical conditions) The card readers may not suffer as catostrophic damage but it will not be good for their operation.

Re: Using AC Adapter/Charger with 67 or 97
*Message #5 Posted by **Viktor Toth** on 5 Oct 2000, 6:53 p.m.,*
in response to message #4 by DaveJ

Hmmm, what is the nature of the damage to the printer? I'm asking because I don't think I ever tried doing this (nor do I plan to, for all the obvious reasons); in fact, I recall only one time when I ignorantly attempted to operate an HP-97 without a battery pack many years ago, but I learned quickly that it isn't a good idea.

The HP-97 service manual, however, does state on page 2-5, that "with batteries removed, the calculator will not be damaged by connecting the ac adapter/recharger to the input terminals; however, it will not operate correctly until the batteries have been reinstalled."

Viktor

Re: Using AC Adapter/Charger with 67 or 97
*Message #6 Posted by **DaveJ** on 6 Oct 2000, 10:19 a.m.,*
in response to message #5 by Viktor Toth

The nature of the damage is the printer motor gets too much juice and the gears on the drive mechanism (nylon) get stripped and are virtually irreplacable outside scavanging from another HP calc.

This only occurs if you attempt to print while no battery is present and I suppose it may not occur every time but I would hate to do a statistical study....

Re: Using AC Adapter/Charger with 67 or 97
*Message #7 Posted by **Viktor Toth** on 6 Oct 2000, 11:56 a.m.,*
in response to message #6 by DaveJ

Gotcha, so the problem is not electronic in nature. This may also explain the relatively frequent reports I heard about broken nylon gears in Topcats.

Viktor

Re: Using AC Adapter/Charger with 67 or 97
*Message #8 Posted by **Katie wasserman** on 7 Oct 2000, 12:01 a.m.,*
in response to message #7 by Viktor Toth

The yellowish gear may indeed have its teeth stripped by running it on the AC power supply only. However, the gear itself does decay over time. I've got a few 97's and they all have spur gears that are very brittle and starting to fall apart. So I think that it's both a nylon decay problem and a motor force problem. I'm very actively looking for a source of replacement gears. If anyone can help, I believe the specs are as follows:

24 pitch - 32 teeth total (about 3/8" diameter) - 3/32" face

3/32" bore

1/4" hub diameter - 3/32" hub projection

A spur gear with the above specs made from Delrin would be ideal.

Re: Using AC Adapter/Charger with 67 or 97
*Message #9 Posted by **Glynn** on 7 Oct 2000, 3:16 a.m.,*
in response to message #8 by Katie wasserman

Just checking Katie; Would that outer diameter be 1-3/8"?

Re: Using AC Adapter/Charger with 67 or 97
*Message #10 Posted by **Katie Wasserman** on 7 Oct 2000, 12:41 p.m.,*
in response to message #9 by Glynn

Glynn,

Nope. 3/8" is approximately correct. 32 teeth at 24 pitch is all you really need to know to determine the diamter of the gear.

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HP's new? web pages.
*Message #1 Posted by **Tom (UK)** on 4 Oct 2000, 1:28 p.m.*

This may be old news but have you looked at HP's calculator web pages recently?

Appart from the missing links and typo errors (see if you can find the HP 9g!) the impresion is HP are trying harder to sell their goods, is this evidence of cange from HP or have they just spruced up their public relations a bit? Has HP reacted to the advice from

http://www.hpcalc.org/hp48/docs/misc/hpmarket.zip (worth reading if you get the chance)

and putting more effort in trying to sell to their traditional markets?

The HP32Sii described: 'it's a sort of super calculator:..'.

The HP32Sii is OK but I think HP is going a bit over the top. HP used to make much better pocket calcs (HP41/42)

The HP49g has far more emphasis on it's RPN ability and is promoted at the top as a calculator suitable for 'professionals in math, science and engineering'. No more reference to students - have HP given top honours in this field to the TI89/92? I can't find any links to the HP49G documentation though (does this mean they are writing some new 'guides'? - please!)

Tom.

Re: HP's new? web pages.
*Message #2 Posted by **kynes** on 4 Oct 2000, 4:52 p.m.,*
in response to message #1 by Tom (UK)

I've seen the new website, hmm... at least it looks like a new cover for the same stuff. But Carly's picture on the title page is cool... ;-)

Re: HP's new? web pages.
*Message #3 Posted by **Erwin** on 4 Oct 2000, 5:39 p.m.,*
in response to message #1 by Tom (UK)

I want large pictures of the calculators, so i know how the new one's look like. Like TI has on there webside. When you click on the picture you'll get to see the larger picture. Thus, you know how it looks like.

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Mag Cards and Card Reader Repair

*Message #1 Posted by **Mike Davis** on 4 Oct 2000, 11:25 a.m.*

1) Is there a source for obtaining magnetic cards for the 71, 75, 67 or 41?

2) Are cards for 67 and 41 interchangeable?

3) I'm sure anything is possible, but is it likely that a card reader for the 67 can be repaired?

Re: Mag Cards and Card Reader Repair

*Message #2 Posted by **DaveJ** on 4 Oct 2000, 12:32 p.m.,*
in response to message #1 by Mike Davis

1) From other collectors either here (preferable) or EBay 2) Yes 3) Usually if it is just a mechanical problem like a gummy roller replacement or worm gear attachment issue. Electrical issues are more difficult

Re: Replacement wheels

*Message #3 Posted by **Mike Davis** on 8 Oct 2000, 12:10 a.m.,*
in response to message #2 by DaveJ

I have a 41CV reader that will not pull the card through. When I removed the card, it had some substance on the outer tracks (gum I guess). After a couple of tries, the cards were not coated with that gum but they still would not go through the reader.

If a card is not being pulled through the reader and the tracks indicate some gumming or whatever, can these wheels be found anywhere?

Where can they be found?

Is there any cleaning technique, to make these work without replacement? I mean is that the only non-electrical failure mode?

Or does one have to take one from another reader?

Check out Dave's article
*Message #4 Posted by **Steve (Australia)** on 8 Oct 2000, 2:01 a.m.,*
in response to message #3 by Mike Davis

Dave the lost sheep wrote an excellent article (it's in the articles forum).

Here is a direct link to it...

http://www.hpmuseum.org/cgi-sys/cgiwrap/hpmuseum/articles.cgi?read=57

Re: Replacement wheels
*Message #5 Posted by **Viktor Toth** on 8 Oct 2000, 2:34 a.m.,*
in response to message #3 by Mike Davis

Short answers:

The issue is not one of cleaning; it is a rubber wheel inside the card reader that chemically disintegrates (liquefies) due to age.

There are other non-electrical failure modes, but the symptoms you describe make it clear that in your case, it's the roller wheel that is the (only, one hopes) problem.

Taking a wheel from another reader is only a temporary solution, since your "new" reader is probably also a dozen or more years old. You need to build a new wheel.

Various techniques for doing so are described here at the MoHPC Web site and elsewhere. My preference is to use a silicon model airplane fuel line; a while back, I happened upon a specific type that serves as a perfect replacement (you just cut a slice and fit it on the gear shaft after removing the deposits left by the disintegrating rubber wheel.) Others swear by small rubber "O" rings that can apparently found in hardware stores (I never found any in Canadian hardware stores that are of the right size.)

Viktor

Re: Mag Cards and Card Reader Repair
*Message #6 Posted by **Andrés C. Rodríguez (Argentina)** on 4 Oct 2000, 1:26 p.m.,*
in response to message #1 by Mike Davis

The HP 41 Card Reader has functions that "translate" 67/97 opcodes into specific, XROM based functions. So the 41 + card reader combo is compatible with 67/97 cards. I don't think the 67/97 are backwards compatible with cards written in a 41. The 41/67/97 cards are physically the same, and the recording method and format are the same too; but the opcodes are different between 67/97 and 41.

Re: Mag Cards and Card Reader Repair
*Message #7 Posted by **Mike DAvis** on 4 Oct 2000, 2:53 p.m.,*
in response to message #6 by Andrés C. Rodríguez (Argentina)

I guess what I meant to ask is can a 41 card be reformatted to be read in the 67? So, if I had a 41 card could it be made to work with the 67 or are the cards preformatted and cannot be changed?

Re: Mag Cards and Card Reader Repair
*Message #8 Posted by **Chris Catotti (Florida, USA)** on 4 Oct 2000, 5:54 p.m.,*
in response to message #7 by Mike DAvis

Yes they are interchangeable. No they are not preformatted. Please send me your mailing address and I'll send you some (from an opened pac, free).

Re: Mag Cards and Card Reader Repair
*Message #9 Posted by **Viktor Toth** on 4 Oct 2000, 9:26 p.m.,*
in response to message #7 by Mike DAvis

Physically, the HP-41/65/67/97 cards are the same. There is no formatting required. No matter what calculator a card was used in, it can be reused in another calculator afterwards just like a blank card.

As for the logical format...

HP-65 format cards can only be written and read by the HP-65.

HP-67 and HP-97 cards are identical, and fully interchangeable.

The HP-41 can read (but not write) HP-67/97 style program and data cards (minor

compatibility issues apply.)

Finally, only the HP-41 can write HP-41 style cards.

Viktor

Re: Mag Cards and Card Reader Repair
*Message #10 Posted by **Reinhard Hawel** on 6 Oct 2000, 6:37 a.m.,*
in response to message #7 by Mike DAvis

I guess there are better experts on the 41 and 65/67 calculators, but the 71 and 75 cards are physically the same.

They have a timing track preformatted by HP. The 7x card readers have no possibility to format this track. The logical format is the same and if you saved your HP-75 BASIC programs as LIF (Text) files chances are, that you can read them into the 71 and transform them into 71 BASIC programs. Might be, that you have to change some commands slightly...

The hand-pulled concept with timing track had the advantage of higher bit density on the cards.

41 cards had to write the timing signals too, which generally leads to a higher redundancy level.

I'll have to search for the hpjournals describing the card reader technologies for getting the bit densities...

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NEW design 32SII / 48G serie no longer available?
*Message #1 Posted by **Erwin (the Netherlands)** on 3 Oct 2000, 10:11 a.m.*

Today, i went to my local book/office supply store that carries HP calc. in there assortment. There i've seen a HP32SII with the following color scheme. The inner surrounding of the display is black, and the outer surrounding is silver with black lettering "32SII RPN scientific" . (i hope you can follow it) The left shift key and related key's lettering are green and the right shift key with related lettering are purple. Anyone seen this before ? It looked very stylish, and i nearly bought it. I went inside to see if they had the new HP's allready, but they did not even get any information about the knew calculators. Not even about the 49G. But the salesman i spoke told me that the HP48G serie is no longer available ! Is that true?

Re: NEW design 32SII / 48G serie no longer available?
*Message #2 Posted by **Gil Petri (Brasil)** on 4 Oct 2000, 1:09 a.m.,*
in response to message #1 by Erwin (the Netherlands)

Yes, Erwin. It is true. The HP-48G is discontinued.

Re: NEW design 32SII / 48G series no longer available?
*Message #3 Posted by **Tom (UK)** on 4 Oct 2000, 3:32 a.m.,*
in response to message #2 by Gil Petri (Brasil)

The HP48G is discontinued but the HP48 series (G+ and GX) is still going, or have these been stopped?!? (HP49G a poor substitute).

The HP32SII seems to have the same colour scheme as the HP48 series, is this a limited end of line 'one off' (in which case buy and keep as a minter) or are HP relaunching this RPN calc ready for a new series of RPN calculators (we all live in hope :-).

Tom.

Re: NEW design 32SII / 48G series no longer available?
*Message #4 Posted by **Gil Petri (Brasil)** on 4 Oct 2000, 7:47 a.m.,*
in response to message #3 by Tom (UK)

G+ and GX will continue for the time being. I can only speculate and wish about a new RPN series. A new color scheme would (maybe) indicate the 32SII will continue...

Re: NEW design 32SII / 48G serie no longer available?
*Message #5 Posted by **Matt (US)** on 4 Oct 2000, 11:05 a.m.,*
in response to message #1 by Erwin (the Netherlands)

I haven't seen the new 32SII color scheme, but I have seen that the 10B's (shifted functions) colors have been changed.

In late August, I noticed an Office Depot advertisement that even showed a new 39G with new colors. The case itself was grey, instead of dark blue. The four-arrow navigation keys were teal, instead of black. And the HP and 39G logos were in the top corners of the acrylic LCD cover instead of centered at the top and bottom of the LCD cover.

Finally, the same ad showed a 6S Solar with the metallic blue body, like the standard 6S. Until then, I had only seen the 6S Solar in a metallic silver body.

In any case, I haven't yet seen the 39G or the 6S Solar with these new color schemes in person, but only in their "original" colors.

Matt

Re: NEW design 32SII / 48G serie no longer available?
*Message #6 Posted by **Erwin (Neth.)** on 4 Oct 2000, 11:30 a.m.,*
in response to message #5 by Matt (US)

At least you have seen HP's new calculators. I've only seen the HP49G, and have one myself. I finaly start to appriciate the 49G. Thank's to the manuals of the 48 series i learn more and more how to operate it. And now after ten months of use i feel that the key's are getting better and more comfortble.

Re: NEW design 32SII

*Message #7 Posted by **Bert K (the Netherlands)** on 5 Oct 2000, 2:54 p.m.,*
in response to message #1 by Erwin (the Netherlands)

A new colour-scheme for the 32SII? Have to go and see for myself, an interesting variation. May be worth buying it before it will be discontinued... Would make a nice addition to the very few HP's I own. I have a 32SII at work and a 10C at home.

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HP41 display problem
*Message #1 Posted by **Andreas Schultze** on 3 Oct 2000, 4:41 a.m.*

I've got a display problem with my 1980-HP41C. After a battery leakage, I opened the Calculator and cleaned it very carefully. Now it looks like new, but when I turn it on, the display shows only the lower part of the characters for 1 second, the the display fades away. As long I have a key pressed, the display is OK, when I release the key, it fades. It is only a display problem, all calculator functions are OK. I already re-soldered the display-contacts, which were etched by the battery acid, but it didn't help. As far as I know, LC-displays need an AC voltage at the backplane to operate. Maybe this is a hint? (please excuse my /&$"%/$§/%$-English...)

Re: HP41 display problem
*Message #2 Posted by **Gianmaria (Italy)** on 3 Oct 2000, 4:58 a.m.,*
in response to message #1 by Andreas Schultze

Hello Andreas, I experienced the same problem. In my opinion the problem could be the unstable contacts between the keyboard and the CPU board. You could polish that contacts and replace the lower screws with others bigger (not too big!) to assure firm contacts. Let me know how happened... Greetings. Gianmaria Porrini (ITALY)

Re: HP41 display problem
*Message #3 Posted by **John Robinson (Australia)** on 3 Oct 2000, 8:14 p.m.,*
in response to message #2 by Gianmaria (Italy)

Hi Andreas,

I agree with Gianmaria on this one, it's not a problem with the display, but rather poor contact between the CPU board and the ketboard PCB. Just clean all contacts with a good circuit board cleaner. Make sure the lower two screw posts are not cracked/broken, and when you assemble the case, make sure the screws are good and tight.

Cheers, John

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97 Card Reader Problem (NOT gummy problem)
*Message #1 Posted by **Peter Khor** on 3 Oct 2000, 3:28 a.m.*

I got around replace the gummed-up roller on my HP97 back in ~93' with silicon fuel tubing, read/write worked great! I used the HP97 on and off for the next couple of years, and then it sat as a display piece from 96 till beginning of this year. Now, I keep getting an ERROR msg when loading a card. I can write to a card a short program, and I don't get any problems at all (ie, display goes back to normal), but the same card that had been written on can't be read! I've tried a dozen or so new cards to no avail. Battery pack is new rebuilt, and I have adapter on when write/read.

The only clue I've had is: on writing, I can hear the motor go Wrr-Wrr-Wrr-Wrr, about 4 oscillating cycles. When I read ANY card, I notice that the motor goes Wrr-Wrr-Wrr-Wrrrrrrr, spits the card out then gives me the ERROR message.

Any clue what's going on? HELP!!

Re: 97 Card Reader Problem (NOT gummy problem)
*Message #2 Posted by **Viktor Toth** on 3 Oct 2000, 3:58 a.m.,*
in response to message #1 by Peter Khor

Uneven sound means uneven transport speed, which can be the cause behind the symptoms you see.

The uneven sound from the card reader can be a result of two factors (or a combination of them): a deformed transport wheel, or a defective "clutch" mechanism.

Since you used silicon fuel tubing (my favorite) I suspect that your transport wheel is okay, but the clutch mechanism is shot. In my experience, it is okay to permanently attach the worm gear to the motor shaft, which will probably solve the problem.

Viktor

Re: 97 Card Reader Problem (NOT gummy problem)
*Message #3 Posted by **DaveJ** on 3 Oct 2000, 10:15 a.m.,*
in response to message #2 by Viktor Toth

Some silicon tubing can leach silicones which could affect transport of the card through the machine. Might want to try surgical tubing which grips well and has a good surface texture. A tiny dab of epoxy to permanently attach the worm gear shaft to the motor shaft has worked for my repairs on a 67. just dip the shapt into the epoxy, a very small amount goes a long way! I feel in your case the tubing you used may need replacing.

Good Luck!

Re: 97 Card Reader Problem (NOT gummy problem)
*Message #4 Posted by ***%^!@** on 3 Oct 2000, 2:53 p.m.,*
in response to message #1 by Peter Khor

It sounds like your home made roller is out of round. You should get a smooth whirring sound and not a whir-whir-whir sound.

Re: 97 Card Reader Problem (NOT gummy problem)
*Message #5 Posted by **Peter Khor** on 4 Oct 2000, 3:46 a.m.,*
in response to message #1 by Peter Khor

Many thanks for the numerous suggestions! I will try and find sometime this weekend to open up the 97 and probably do the following:

* Check integrity of roller, approximate roundness (micrometered). * CA or epoxy worm gear onto motor shaft.

I have been thinking that it might be related to off-round roller, since the 4 cycle wrrr's would seem to coincide with the circumference of the roller (will have to measure out when it's opened).

I did suddenly realise that replacing the roller back in 93 looks more complicating that I'd imagine/worked it to be! Esp after reading the 41 card reader restoration article - I have 2 41 card reader that require new rollers also.

Anyways, will get back to this forum as to my results.

Re: 97 Card Reader Problem (NOT gummy problem)

*Message #6 Posted by **ErikWahlin** on 4 Oct 2000, 11:03 a.m.,*

in response to message #1 by Peter Khor

I would also make sure that there is no residue on the small nylon idler roller. This can cause the irregular motor motion.

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HP Solve
*Message #1 Posted by **Tom** on 2 Oct 2000, 10:15 a.m.*

How does HP Solve works in HP 32SII? Thanks

Meaning ....
*Message #2 Posted by **Joe Panico** on 2 Oct 2000, 4:07 p.m.,*
in response to message #1 by Tom

Tom, Do you mean it's internal code, relative performance, it's general mechanics, or how the user sets-up their own examples. I have some idea about the latter two.

Joe

Re: HP Solve
*Message #3 Posted by **Tom** on 3 Oct 2000, 1:06 a.m.,*
in response to message #1 by Tom

I meant how to operate it.

All in the manual
*Message #4 Posted by **Joe Panico** on 3 Oct 2000, 11:46 a.m.,*
in response to message #3 by Tom

Tom, The details are in the owners manual. If you do not own a manual, I have several. (Children, backpacks, high school, HP32SII don't mix. Each repair included a manual). If you have a manual but still have some trouble, email me directly. I'll try to help. Joe

Re: All in the manual
*Message #5 Posted by **Tom** on 4 Oct 2000, 7:23 a.m.,*
in response to message #4 by Joe Panico

I don't really have a manual, actually I don't have this calculator. I have seen this calculator at HP website. They said that it can be used to solve for any variables, I what to know to use this feature and decide if I am going to buy this calculator or not. Another than this, I have to check if it could be used in exaninations in secondary schools in Hong Kong. Thanks

It's good, but others are better
*Message #6 Posted by **Joe Panico** on 5 Oct 2000, 9:02 a.m.,*
in response to message #5 by Tom

Tom, The solver in the 32 is useful, but the solvers in other HP's are better. Some problems will error in a 32, for example, any expression that includes a division by one of the variables. I believe this is due to the solving technique. Entering the equation is also somewhat more work. So, check out the other models if you plan to use an solver regularly.

Joe

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38G and bloody Algebraic mode!!!
*Message #1 Posted by **Steve (Australia)** on 30 Sept 2000, 9:41 a.m.*

I just picked up an HP38G for a reasonable price and I find the thing uses that silly, unituitive, absurd, NON-RPN way of doing things.

Since there's a big key called ENTER I suppose there's some way of changing a mode on this calculator to make it work like a real one.

What is it?

Re: 38G and bloody Algebraic mode!!!
*Message #2 Posted by **Erwin** on 1 Oct 2000, 4:39 a.m.,*
in response to message #1 by Steve (Australia)

There is no way to change the input logic. The HP38G is an Algebraic calculator only.

Sorry

Re: 38G and bloody Algebraic mode!!!
*Message #3 Posted by **Steve (Australia)** on 1 Oct 2000, 12:25 p.m.,*
in response to message #2 by Erwin

I was afraid someone was going to say that. :-(

It's actually not so bad once you've got your head around it. But having an ENTER key there is a bit of a distraction :-)

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38e diagnostic error codes?
*Message #1 Posted by **Katie Wasserman** on 30 Sept 2000, 2:34 a.m.*

I have a 38E that fails the self-test (i.e., gives an Error 9 when you hit STO - ENTER). From what I can tell the only problem is with the delta-DAYS calculation, it gives ridiculously large numbers. So I assume that the ROM is wacked out in the area of that routine.

What's interesting about this is that when you get the Error 9 and then clear it by hitting the CLX button, you can then investigate what's in the registers. The diagnostic routine leaves several strange looking codes in there. Here are the values:

(mem) P -99 r - 7 (all of program memory is filled with GOTO 00, the default)

X - 1 Y - 0 Z - 0 T - 0 LAST X - 0

n - 1 i - 10 pv - 100 pmt - 1,000 fv - 10,000

R0 - 1,000,000,000

Now for the interesting stuff:

R1 - 1.000000 0r (that's right "r") R2 - 1.000000 0F R3 - 1.000000 0o R4 - 1.000000 0P R5 - 1.000000 0E R6 - 1.000000 0(blank)

All of these values can mathematically manipulated to get equally strange results.

I assume that what's going on here is that normally illegal BCD values are being used in by the diagnostic routines and just left around in the registers. Does anyone know how the diagnostic routines in the 30 series work? If they don't bomb with an Error 9, memory is preserved so they're not normally doing destructive memory writes. Do these register codes indicate what exactly the problem is that caused the Error 9?

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gold f and blue g
*Message #1 Posted by **jb** on 30 Sept 2000, 12:30 a.m.*

Didn't see this in the FAQ's, what does the f on the gold key and the g on the blue key mean?

Re: gold f and blue g
*Message #2 Posted by **Victor** on 30 Sept 2000, 1:34 a.m.,*
in response to message #1 by jb

As I understand it, the 'f' stands for "function", since the 'f' key makes the next key you press execute one of its alternate functions. The blue 'g' (and black 'h' on the HP-67) also make the next key execute an alternate function, and are just the next two letters in the alphabet.

Re: gold f and blue g
*Message #3 Posted by **Thibaut.be** on 1 Oct 2000, 5:10 p.m.,*
in response to message #2 by Victor

Yes, it has happened that some calculators even got a "h" function key !

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HP41 Feet and Inch Program
*Message #1 Posted by **Ty Rogers** on 29 Sept 2000, 10:32 p.m.*

Who has a good HP41 feet and inch program?

Re: HP41 Feet and Inch Program
*Message #2 Posted by **William L. Drylie** on 30 Sept 2000, 3:51 p.m.,*
in response to message #1 by Ty Rogers

I do. I have to find it first. I have a mountain of programs I'm going to contribute to this website. I just started sorting through them a couple of days ago.It works in feet, inches, and sixteenths, adds, subtracts, multiplys, divides, and works with triangle programs in feet, inches and sixteenths. I will send it to you. I also have this program for hp25, 67, and 41 and 32SII.

Re: HP41 Feet and Inch Program
*Message #3 Posted by **Ty Rogers** on 1 Oct 2000, 12:34 p.m.,*
in response to message #2 by William L. Drylie

Thanks William. I have a program but it does not multiply or divide unless I convert it to decimals.

Re: HP41 Feet and Inch Program
*Message #4 Posted by **Fred Lusk (CA)** on 12 Oct 2000, 9:12 p.m.,*
in response to message #3 by Ty Rogers

Ty...

I wrote a program (FEET) at least 15 years ago that sets up a two register RPN stack to handle feet-inch-fraction (f-i-f) calcuations. I have never posted it anywhere, because, well, I'm LAZY. But, e-mail me directly and I will put it together for you. I may even get it in shape to post. Even though I use a 42S day-to-day, I still use my 41CX for the FEET program (there's an error in my 42S version that I STILL haven't had time to track down...I tried to improve it and did something wrong).

The program will handle addition and subtraction of two f-i-f numbers (as long as the subtraction won't result in a negative number), multiplication and division of an f-i-f number by a contstant (e.g. diameter in f-i-f * pi to get circumference in f-i-f), f-i-f to decimal and decimal to f-i-f conversions. The program also provides one storage register.

One interesting feature of the program is that you are not limited to 16ths of an inch, though that is the default. The program can work with ANY fraction you choose...not just the binary ones like 1/2, 1/4, 1/8, etc., but also 1/10, 1/21, 1/123, etc. Also, if you give it a fraction of 0 or 1, you can work in feet and inches and not have to bother with fractions. If you are working in 8ths of an inch and enter a number in 20ths of an inch, the program will round off the "offending" entry to the nearest 8th of an inch. You can also enter 1'15-25/8" and the program will correct your entry to 2'6-1/8".

The program uses the X<>F, XTOA, and REGMOVE commands from the 41-CX, but there are workarounds. The heart of the program, the part that reduces the fractions, is based on the fraction reduction routine in the PPC ROM. You don't need the PPC ROM, however.

BTW, the program takes 438 bytes of program space and requires something like 12 data registers.

Fred

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Feet and inches program for 20S
*Message #1 Posted by **Jim copeland** on 29 Sept 2000, 11:41 a.m.*

I have successfully written programs for the conversion of feet and inches, and fractions to base ten for addition, multiplication, subtraction, and division and back again, in the past for a 25C and 19C. Both of these have since conked out. I have a 30C which should accept the same program, but am not able to get it to run. If someone has a program that works, I would like to be in touch.

Thanks,

'Cope'

Which calculator? 20S or 30C?
*Message #2 Posted by **Jim Hofsta** on 29 Sept 2000, 12:18 p.m.,*
in response to message #1 by Jim copeland

Your post was inconsistent. Which calculator are you seeking a program for?

Jim

Re: Which calculator? 20S or 30C?
*Message #3 Posted by **db** on 29 Sept 2000, 8:04 p.m.,*
in response to message #2 by Jim Hofsta

just an aside, not an answer to your question: every so often i break a 25 foot tape measure that has inches on one side and tenths & hundredths of a foot on the other. i cut the remains into 24 one foot pieces and give them out to carpenters and other fraction lovers as solar powered inch to decimal foot converters. if theres enough light to read the tape, theres enough light to do the conversion. among the rpn chalenged, these are quite popular.

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HP 42S, variations?
*Message #1 Posted by **Slim** on 29 Sept 2000, 11:26 a.m.*

Other than country of manufacture, are there any different ROM versions or other important variations in the history of the famous 42S?

Re: HP 42S, variations?
*Message #2 Posted by **Randy Smith (American in Germany)** on 29 Sept 2000, 1:34 p.m.,*
in response to message #1 by Slim

There is a speed up routine that is programmable on early units that is not programmable on later units. In the later units you have to manually change the speed. I'm sure if you searched the forum archive you could find the routine. Randy

Re: HP 42S, variations?
*Message #3 Posted by **j-f garnier** on 1 Oct 2000, 3:19 a.m.,*
in response to message #1 by Slim

Yes, there are 3 versions of the HP42S: A, B and C. To find out the version of your HP42S do: EXIT-LOG, then back-arrow, then decimal-point. You will see a letter at the left of screen (the version) and a number a the right (kind of self-test result, like WSLOG for HP48 serie). To recover, do EXIT-SQRT.

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HP15C Calculator
*Message #1 Posted by **Tom Steemson** on 29 Sept 2000, 10:30 a.m.*

I nearly fell off my chair. I've been using my HP-15C calculator since I was a college student. My parents bought it for me as a Christmas present after a considerable period of pestering on my part. Being state of the art at the time, it cost them what seemed like a fortune. It's given me years of faithful service without the slightest glitch. I've just been trying to find out how to get the Matrix functions to work (I rarely use it these days and I've left the manuals at home) only to discover that my prised possession has become a museum piece!

Re: HP15C Calculator
*Message #2 Posted by **Randy Smith** on 29 Sept 2000, 1:35 p.m.,*
in response to message #1 by Tom Steemson

If you think it's bad you have a museum piece, take a look at eBay and see what your museum piece can fetch at auction!

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HP-9100 printer...
*Message #1 Posted by **Gianmaria (ITALY)** on 29 Sept 2000, 9:23 a.m.*

That printer don't want to print the X, Y, Z, register. When I press the buttons on front of it nothing happened also if I place numbers into the stack using the keyboard. The printer is fully functioning only when I press the LIST key, then it became to print all the listing program. The printer prints really like new (only with LIST key...) thanks to new roll of paper. Any suggestion? Does anyone has the service manual for it? Thanks.

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Re: Does HP still have these?
*Message #1 Posted by **Todd Garabedian** on 29 Sept 2000, 8:46 a.m.*

Iqbal,

I don't think HP stocks those cases anymore. The case on the auction looks like a case for the "Spice" series of calculators, which were discontinued in the early 1980s.

You may be able to find one of the Spice cases by placing a Wanted ad on the classifieds.

Best of luck,

Dr. Todd

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batteries
*Message #1 Posted by **db (martinez,california)** on 28 Sept 2000, 8:52 p.m.*

what with all the talk lately about batteries i was wondering which usually give good service. i've only had stand out service (both plus and minus) from two brands. i once got about 11 years from some union carbide button cells, and i've had some real short lifespans with radio shack n cells. does anyone have a favorite?

Re: batteries
*Message #2 Posted by **Glynn** on 29 Sept 2000, 12:19 a.m.,*
in response to message #1 by db (martinez,california)

db-- Union Carbide sold/spun-off their battery division, it is now a part of Energizer Holdings Inc.

My prejudices:

N style: these are all alkaline, no rechargables on market yet (darn). 1.) Kodak KN; 2.) Duracell MN9100; 3.) Rayovac 810; 4.) Eveready (now Energizer) E90; 5.) Varta 4001; 6.) Toshiba LR1; 7.) Panasonic AM5. The first two are all I would really care to look for--- they are not all that much more expensive than the rest.

AA, AAA, C or D: get the NIMH and a NIMH charger, you'll never regret it-- 1.) Kodak NIMH Rechargable; 2.) Energizer "e2"; 3.) Rayovac Accu; 4.) Maha or Quest Gold or Nexcell (all in this category are pretty good).

If you don't yet have a NIMH charger, but you have an alkaline charging system-- 5.) Rayovac Renewal. This was the first alkaline rechargable, and they still make it seven years later, and they keep on making the batteries even better.

If you don't yet use rechargables: (plain alkalines) 6.) Energizer; 7.) Duracell; 8.) Kodak. These are all, in my opinion, fairly comparable, with Energizer just a tiny bit ahead, but Duracell and Kodak so close behind, it doesn't really seem right to rank them behind in any way.

Not recommended under Any but Dire circumstances: KMart, Walmart, Albertsons, Target, Sears branded alkalines. These are usually made by the larger companies like Energizer and Rayovac for the chains, BUT freshness is no longer the responsibility of the jobber; just the inventory practices of the chain or, in most cases, the store.

When I worked at a Sears store a decade ago, one of my weekly duties in my department was to dust the batteries. It hasn't changed all that much since.

On a side note, I've always thought someone should market a "battery condom": a thin sealable vinyl jacket with two tiny metallic discs/rivets built in to make the contacts... so that if a battery fails and oozes out of its casing, your precious camera or calculator or whatever is never exposed or damaged. Maybe the jacket would be clear and have a neutralizing chemical coating inside it which would turn red or something if exposed to electrolyte.

I can see the advertising copy now: "A Durex for your Duracells! Don't let a burst do the worst!"

...Oh well; maybe not. :-)

Re: batteries
*Message #3 Posted by **cjd** on 29 Sept 2000, 8:25 a.m.,*
in response to message #2 by Glynn

Aren't the Energizer "e2" batteries alkalines, and not NiMH?

Re: batteries
*Message #4 Posted by **Glynn** on 29 Sept 2000, 2:07 p.m.,*
in response to message #3 by cjd

Doh!! Take a battery out and LOOK, Glynn...

You are right. The Rayovac NiMH is called the Ultra, not Accu. The name of the Energizer NiMH product is Accu, not "e2". And the "e2" is a premium priced non-rechargeable-- I've never had one of them here... anyone ever try some of these?

Re: batteries
*Message #5 Posted by **r. d. bärtschiger.** on 29 Sept 2000, 2:04 p.m.,*
in response to message #2 by Glynn

I would like to make a correction to this post;

N cell rechargeables were available some years back. They were sold by Edu-calc. The charger was capable of charging AA, AAA, 9 volt snap on batteries & N cells via an adapter. The charger label reads, excell plug-in Ni-Cd Battery Charger Model: EX-04. It came with four N cell adapters, two of which have red LEDs and two of which don't. The label on the adapter reads; EX-04, 'N' Cell Adapter. The N cells themselves read; P/N 1-150, JaBro the house of batteries, 1.3V, Rechargeable, Lisle, Il 60532. They are an exact fit in the battery holder of an HP-41 series calculator. A full charge takes overnight, as I recall and they last a few hours in the calculator. I hope this information proves useful.

rdb.

Re: batteries
*Message #6 Posted by **Glynn** on 29 Sept 2000, 2:20 p.m.,*
in response to message #5 by r. d. bärtschiger.

Great! I'll try to track some of these down. "N" size NiCads would be a wonderful thing to have!

Re: batteries
*Message #7 Posted by **Peter (Germany)** on 29 Sept 2000, 4:07 p.m.,*
in response to message #6 by Glynn

N cell NiCd batteries are available from Varta (AccuPlus) and from Panasonic (P18N) in Germany. Price is around DM 5,- (~$2.2) for one. Look at www.conrad.de, part numbers are 255238-08 and 254673-08. I do not know if they will ship international.

Re: batteries
*Message #8 Posted by **Wayne Brown (USA)** on 29 Sept 2000, 7:24 p.m.,*
in response to message #7 by Peter (Germany)

I saw some NiCd "N" cells in a Radio Shack store about a year ago. I'll check again Monday and see if they still have them and what the price is.

Re: batteries
*Message #9 Posted by **db (martinez, california)** on 29 Sept 2000, 8:30 p.m.,*
in response to message #8 by Wayne Brown (USA)

i too have seen rechargable n cells at radio shack. hope they are better than thier alkalines. duracell and energizer have worked ok for me but next time i guess i'll look for kodak just to experiment. glynn: if you were to emboss thoes battery covers with a non skid pattern would it be for the benifit of the calculator or the battery?

Re: batteries
*Message #10 Posted by **Katie Wasserman** on 29 Sept 2000, 11:59 p.m.,*
in response to message #9 by db (martinez, california)

Digikey sells N-cell nicads too. Here's the page:

http://www.digikey.com/scripts/US/DKSUS.dll?Detail?Ref=33471&Row=102655

They're an excellent company to deal with, incredible stock, super fast shipping and superb customer service. I buy all my nicads from them for rebuilding HP battery packs since they sell virtually any arrangement that you want with the cells pre-welded into the proper configurations to fit the HP plastic holders. In addition, they offer a wide range of capacities/cell, rapid or regular charging and even nimh cells. And they're pretty resonable price-wise!

Re: batteries
*Message #11 Posted by **Peter Khor** on 30 Sept 2000, 11:12 p.m.,*
in response to message #5 by r. d. bärtschiger.

An obtuse way of obtaining N cells easily is to scavenge from *new* cordless phone batteries. Lookout especially for on sale items. eg, about a month ago the local Target was clearing out Sony battery packs, 3x N cells from $10 down to $4 and finally down to $2! It's rated @ 270mAh I've also seen NiMH N cell packs for cordless phone. To charge you can get a N cell to AA cell charging adapter (RS has 'em). Likewise I lookout for 5x AA cordless phone battery packs (~$3, generic ~700mAH)with solder tabs to re-build 3xAA and 4xSub-C packs. Oh, and finally there are some cordless tools and emergency lighting equipment that use Sub-C cells, Home Depot clears out these once in a while.

You can obviously get higher capacity tab cells at a price, but it's worked out great for me for all my older calcs.

So much for scavenging ;-)

Re: batteries

*Message #12 Posted by **Chris Morris** on 10 Oct 2000, 1:29 p.m.,*

in response to message #2 by Glynn

Beware of those rechargeable alkalines (AA & AAA sizes). I have had bad luck with the 'Pure Energy' brand made in Canada (no direct experience of the Ray-O-Vac Renewable design - which may be better?). On two separate occasions, usng their own recommended charger, I have had oozing of chemical from the battery top, the chemical is severely corrosive to battery terminal strips. The last one was bad enough that I sent the mess to the factory in Nova Scotia - no reply yet. This is a problem almost never encountered with ordinary alkalines, unless you leave them in something for 5 years.

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HP 71B question
*Message #1 Posted by **Carlos Frutos** on 27 Sept 2000, 3:57 p.m.*

Hi! I've owned an HP 71B for almos 15 years now. I don't have any accesories except for the card reader. The thing is I think there's something wrong with it because it drains the batteries too often (4 or 5 days), and it seems to be independent of usage time. Everything works fine, the only suspicious evidence is that it seems to be beeping continously (barely audibly though), kind of a buzzing-heartbeat (it's hard to explain). I will appreciate any comments that leads me in the right direction. Thanks, Carlos Frutos.

Re: HP 71B question
*Message #2 Posted by **Reinhard Hawel (Austria)** on 27 Sept 2000, 7:17 p.m.,*
in response to message #1 by Carlos Frutos

I can't da a complete diagnosis. Did you remove the card reader and check thid? There's surely something wrong, a working 71B doesn't produce such a sound.

It might be a failure in the power supply (not the transformer, the internal power supply part in the 71B). Does the LCD display work? Maybe the DC/AC converter has a problem. This should be fixable.

Re: HP 71B question
*Message #3 Posted by **Carlos Frutos (Mexico)** on 29 Sept 2000, 12:45 p.m.,*
in response to message #2 by Reinhard Hawel (Austria)

Reinhard: I will check it again after I remove the card reader, the funny thing is everything works perfectly, no other symtpoms whatsover. With the AC adaptor connected, there's no problem. I just recently pulled it out after about 3 years (I stopped using it because of the battery problem), and I just installed fresh batteries yesterday. I will keep an eye on it and tell you what happened.

Cheers!

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HP48 case
*Message #1 Posted by **Bill** on 27 Sept 2000, 8:28 a.m.*

What are the dimensions of the HP48 case? Don't shoot me, but the slide cover on my TI-83 (required for class, not my choice) doesn't stay on any more, poor design. I want to buy a case from HP if it will work.

Thank you

Bill

Re: HP48 case
*Message #2 Posted by **john (Norway)** on 27 Sept 2000, 9:23 a.m.,*
in response to message #1 by Bill

The 48 has dimensions 3-1/8 x 7 and fits rather tightly in its case. A good alternative would be a 41 case, which takes up to a 3-1/4 x 7-3/8 calculator, depending on its thickness. I prefer the 41 case for my 48 (zipper and belt loop for field use...).

John

Re: HP48 case
*Message #3 Posted by **kynes** on 27 Sept 2000, 10:12 a.m.,*
in response to message #1 by Bill

A TI in an HP-case? What a sinful idea... ;-)

Re: HP48 case
*Message #4 Posted by **Steve (Australia)** on 27 Sept 2000, 11:10 a.m.,*
in response to message #3 by kynes

I understand in increaces the value of the TI calculator :-)

Re: HP48 case
*Message #5 Posted by **td** on 27 Sept 2000, 3:48 p.m.,*
in response to message #4 by Steve (Australia)

It doubles it! At least. ;-)

Re: HP48 case
*Message #6 Posted by **db** on 27 Sept 2000, 9:20 p.m.,*
in response to message #5 by td

and what wouldn't?

Re: HP48 case
*Message #7 Posted by **Chan Tran** on 27 Sept 2000, 10:45 p.m.,*
in response to message #6 by db

TI calcs didn't come with cases for quite some time. Now the HP calcs don't come with cases either. The cases must be worth more than the calcs

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HP Part Numbering and the HP-41
*Message #1 Posted by **Chris Catotti (Florida, USA)** on 26 Sept 2000, 9:29 p.m.*

I am trying to build a library of HP-41 software application pacs, manuals, quick reference cards, and such in English and all other languages available. I have lists of application pacs, and extra manuals, but not what came with an application pac. As an example: The STATISTICS PAC for the HP-41.

The Statistics Pac (English) included parts 00041-14001 (module); Quick Reference Card (I don't have the number), and Manual 00041-90030.

The Statistics Pac (Spanish) included parts 00041-14001 (module); Quick Reference Card (0004-90159), and Manual 00041-90158.

I am building a Lotus 123 spreadsheet of part number to share with all. Does this list or database already exist?

Re: HP Part Numbering and the HP-41
*Message #2 Posted by **Steve (Australia)** on 27 Sept 2000, 7:06 p.m.,*
in response to message #1 by Chris Catotti (Florida, USA)

Is this the sort of thing you're after?

```
HP 82104A Card Reader  (HP41)
HP 00097-13143 Blank Card Pac 80 (x 12 sealed)
HP 9282-0596 Card Wallet (x 4)
HP 82153A Bar Code Wand (HP41)
HP 82153-90008 Wand Paper Keyboard (June 80)
HP 82143A Peripheral Printer (hp41)
HP 2225B Thinkjet Printer (HPIL)
HP 82242A IR Printer Module (HP41)
HP 82162A Thermal Printer (HP41)
HP 82160A HP-IL Module (hp41)
HP 9114A Disc Drive (HPil)
HP 9114B Disc Drive (hpil)
HP 82973-60001 Rev A PC HP-IL Interface Card
HP 82161A Digital Cassette Drive (hpil)
HP82161A Digital Cassette Drive (hpil)
HP 82182A Time Module (hp41)
HP 5061-7285 HP-41 Advantage Module (hp41)
HP 5061-5261 Math I (hp41)
HP 5061-7287 Math/Stat (hp41)
HP 00041-14013 Home Mgmt (hp41)
HP 00041-14026 Financial 1 (hp41)
HP 00041-14029 Securities X (hp41)
HP 82183A Extended I/O (hp41)
HP 82181 X Memory (hp41)
HP 82170A Quad Memory Module (hp41)
HP 5061-5256 X Functions (hp41)
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HP 82106A Memory Module (hp41)
HP 82508A S07 Astro*ROM2 (hp41)
HP 82500B-A07 PPC ROM (hp41)
HP 82500B-A38 Del. Serv. 1 (hp41)
HP 82500A-E36 ZenROM 1 (hp41)
HP 00041-90367 The HP-41C/41CV Quick Reference Guide (Singapore)
HP 00041-90475 HP-41CX Quick Reference Guide (Singapore 8/83)
HP 82182A Time Module Quick Reference Card
HP 82160A HP=IL Module Quick Reference Card
HP 82104A Card Reader Quick Reference Card
HP 82413A Printer Quick Reference Card
HP 82106A Memory Module for the HP-41C
HP-41C Math Pac I Quick Reference Card
HP-41C Securities Pac I Quick Reference Card
PPC ROM Pocket Guide
HP-41C Combined Hex/Decimal Byte Table
HP 82401-90010 Rev B HP 82410A HP-IL Interface Quick Reference Quide (Singapore 1/84)
HP 00087-90122 I/O ROM and Interface Pocket Guide Series 80 (Singapore 11/83)
HP 00071-90019 HP-71 Quick Reference Guide (USA 10/83)
HP 82180-90002 HP82180A Extended Functions/Memory Module Quick Reference Card (Singapore Mar 82)
HP 5955-8720 Hewlett Packard: A Wealth of Accessories (June 87)
HP 5955-8720 Hewlett Packard: A Wealth of Accessories (July 87)
HP 5955-8720 Hewlett Packard: A Wealth of Accessories (Singapore July 87)
HP 5953-1958 Rev B HP-41C/CV: A Calculator. A System. A Standard For Professionals (Jan 81)
HP 5953-5500 Hewlett Packard Professional Calculators (Mar 82)
HP 5953-1983D Hewlett Packard Calculators and Accessories Price List (Oct 81)
HP 5957-8160 Rev C Help Us Help You (Canada 9/86) reply paid Survey card
HP 5955-3096 Rev D Series 40 Software and Accessories (USA undated) (2 copies)
HP 5955-6789 Service card (Singapore undated)
HP 82068B 240v 50Hz 7W (Aus) (HP41, 71, 97...)
HP 82058D 80-120VAC 50-60Hz 7VA (US) (HP41, 71, 97...)
HP 82033A Nicad Pack for HP97 etc.
HP 82120A Nicad pack for HP41
HP 82104-90019 HP 82104A Card Reader Owner's Handbook
HP 82104-90001 Rev B 11/79 82104A Card Reader Owner's Handbook (Nov 79)
HP 82242A Infrared Printer Module - Owners Manual (Photocopy)
HP 00041-90546 Rev B HP 41 Advantage Advanced Solutions Pac (July 86)
HP 82104-90001 Rev B 11/79 82104A Card Reader Owner's Handbook (Nov 79)
HP 00041-90366 HP-41C Standard Applications Handbook (May 81)
HP 00041-90018 HP-41C Standard Applications Handbook (Apr 79)
HP 00041-90129 Rev C HP-41C Securities Pac (Aug 84)
HP 00041-90354 Rev C Financial Decisions Pac (Aug 84)
HP 00041-90474 HP-41CX Owners Manual - Volume 1: Basic Operation (Singapore Aug 83)
HP 00041-90474 HP-41CX Owners Manual - Volume 1: Basic Operation (Aug 83)
HP 00041-90492 HP-41CX Owners Manual - Volume 2: Operation In Detail (Aug 83)
HP 00041-90001 Rev B HP Owners Handbook And Operating Guide HP-41C (Aug 79)
HP 00041-90001 HP Owners Handbook And Programming Guide HP-41C (Jan 79)
HP 00041-90328 Rev B HP-41C/41CV POperating Manual (A Guide for the Experienced User) (May 81)
HP 00041-90526 HP-41CV Owners Manual: Basic Operation (May 84)
HP 82160-90001 HP 82160A HP-IL Module Owners Manual (Feb 81)
HP 82183-90001 Rev B HP 82183A Extended I/O Module Owner's Manual (Nov 84)
HP 82182-90001 HP 82182A Time Module Owners Manual (Jan 82)

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HP 82153-90019 Creating your own HP-41 Bar Code manual (Mar 81)
HP 82401-90001 HP82401A HP-IL Interface Owners Manual for the HP71 (Jan 85)
HP 00071-90001 Rev E HP-71 Owner's Manual (Mar 87)
HP 00071-90010 HP-71 Reference Manual (Oct 87)
HP 82120-90001 HP 82120A Rechargable Battery Pack Instruction Card (Singapore Mar
82) i
HP 00041-90445 Rev B HP-41 System Demo (USA undated)
HP 62162-90001 Rev B HP 82162A Thermal Printer Owner's Manual (Singapore Aug 83)
HP 82183-90001 HP 82183A Extended I/O Module Owner's Manual (USA 12/82)
HP 82160-90001 HP 82160A HP-IL Module Owner's Manual (Singapore Feb 81)
HP 82161-90002 HP 82161A Digital Cassette Drive Owner's Manual (USA Feb 81)
HP 82161-90016 Addendum to 82161-9002 Feb 81 and 82162-90001 Apr 81 (Singapore May
82)
HP 82161-90016 Addendum to 82161-9002 Feb 81 and 82162-90001 Apr 81 (USA Mar 82)
HP 82161-90017 Caution sheet (do not operate near TV set...) (USA Apr 83)
HP 5953-1933 Rev B Users' Library Contributor's Guide (For the HP-41 HP-67 and HP-97)
HP 5955-8606 Users' Library Programmer's Reference Guide (For the HP-41 HP-67 and HP-
97) (Aug 82)
HP 5851-1001 Rev B User's Library Catalog of Contributed Programs (For the HP-41C HP-
67 and HP-97) (Jan 81)
HP 5955-9422 User's Library Catalog of Contributed Programs (For the HP-41C HP-67
and HP-97) (Jan 82)
HP 5955-8603 Addendum User's Library Catalog of Contributed Programs (For the HP-41C
HP-67 and HP-97) (July 81)
HP 5957-8158 HP-41 HP-71 HP-75 Users' Library Software Catalog (Feb 85)
HP 5957-8186 HP-41 HP-71 HP-75 Users' Library Software Catalog (Oct 85)
HP 00041-90541 Users' Library Series 40 Software Catalog (Aug 84)
HP 00097-13154 Hewlett Packard Programming Pad (Loose Leaf)
HP 82120A Rechargable Battery Pac (Including Quick Reference Card)
HP 82183A Extended I/O Module
HP 00041-15002 Statistics Pac
HP 00041-15049 Math/Stat Pac
HP 82033A Battery Pack (for 97 etc)
HP 82120A Rechargable Battery Pac (for hp41)
HP 82160A HP-IL Module
HP 82164A HP-IL/RS-232C Interface
HP 00041-15027 Stress Analysis Pac
HP 00041-15021 Structural Analysis Pac
HP 00041-15023 Home Management Pac
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Considering the things that do have part numbers, it's often strange the things that don't.

Re: HP Part Numbering and the HP-41

*Message #3 Posted by **Ion Abraham (New Mexico)** on 28 Sept 2000, 9:11 a.m.,*
in response to message #2 by Steve (Australia)

Steve,

This is a really nice list for reference. Does it exist anywhere on this site? I think it would be really nice if you could get Dave to post it, perhaps associated with the HP41 section.

Best regards, Ion Abraham Albuquerque, New Mexico

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HP-41C printer
*Message #1 Posted by **Joe** on 26 Sept 2000, 9:28 p.m.*

The battery pack for my 82143A printer will no longer hold a charge. I've tried using the printer with the AC adapter plugged in, but that does not help. So, for now my printer is dead in the water. Does anyone have an idea that can help me?

Re: HP-41C printer
*Message #2 Posted by **Viktor Toth** on 26 Sept 2000, 10:35 p.m.,*
in response to message #1 by Joe

Joe,

If you have a soldering iron and a little bit of skill with tools, you can fix the battery pack easily yourself. In North America and elsewhere, Radio Shack/Tandy sells NiCd battery cells that are the right size ("Sub-C") and already have solder tabs spotwelded to them (Radio Shack part number is 23-190; you need two packages, each with two battery cells inside). You can pry apart the old battery pack with a sharp knife, remove the old cells, note their position and the order in which they're connected, and then cut off the old battery terminals. Don't throw the old cells in the garbage (they're poisonous; Radio Shack does, at least here in Canada, accept them free of charge for recycling.) Solder the new cells together at the tabs, and solder the old terminals onto them, and reassemble the pack. Just make sure that a) you never heat the cells themselves (they may explode), and b) you never short the cells (even a partially discharged "Sub-C" NiCd cell can deliver many amps of current, causing burns, overheating/damage to the cell itself, and worse.)

And if you don't like to do this yourself, there are stores that'll do it for you. I once had this type of a battery pack rebuilt by a Canadian "Battery Plus" store, which may or may not be related to the "Batteries Plus" stores in the US.

Viktor

Re: HP-41C printer
*Message #3 Posted by **Jerry Doctor (US)** on 27 Sept 2000, 5:40 p.m.,*
in response to message #2 by Viktor Toth

I had the battery pack for my printer rebuilt at a Battery Patrol store in Nebraska. $15 and 2 days.

Re: HP-41C printer
*Message #4 Posted by **Steve (Australia)** on 27 Sept 2000, 8:17 a.m.,*
in response to message #1 by Joe

Also check out the articles forum for a way to rejuvinate nicad packs.

It really does work, and if you're looking at having to replace the cells anyway, you've got not much to lose.

Re: HP-41C printer
*Message #5 Posted by **Joe** on 27 Sept 2000, 4:31 p.m.,*
in response to message #1 by Joe

Thanks for all the help. If I can manage to get the printer working again, my 41's will also thank you. This is a terrific site! Thanks again. Joe DeShon

Re: HP-41C printer
*Message #6 Posted by **Chan Tran (US)** on 27 Sept 2000, 10:42 p.m.,*
in response to message #5 by Joe

After rebuilding several battery packs I was tired of doing that again. I now run my printer with a 5V/5A regulated power supply

Re: HP-41C printer
*Message #7 Posted by **Joe** on 28 Sept 2000, 11:20 p.m.,*
in response to message #6 by Chan Tran (US)

What does it take to do something like that? I'm not educated at all in electronics. I'm just a humble machinist. Any help is appreciated.

AC Adapter as replacement of NiCd Batteries

*Message #8 Posted by **Andrés C. Rodríguez (Argentina)** on 30 Sept 2000, 4:21 p.m., in response to message #7 by Joe*

In any case you use an AC power supply to replace NiCd batteries, please be sure that such power supply is REGULATED. That means it has an electronic circuit that will deliver always the same voltage, regardless of actual load. Simple AC adapters (transformer+diodes+capacitor) are not regulated and may damage your printer.

I don't know how to tell you how could you verify this, at least ask at the shop where you are buying the AC adapter, and be sure about:

- DC output (not AC, rather obvious but ...)

- Output voltage (Should match the battery pack you are replacing, each series-connected NiCd battery adds 1.25 V to the pack. For instance, 4 batteries = 4 x 1.25 V = 5 Volt)

- Regulator circuit (Has or has not? MUST have!)

- Polarity (Identify the positive and negative leads)

- Maximum output current (Must be enough for the load)

Other convenient features include:

- Short circuit protection

- Thermal protection (For overload conditions)

I hope this list may help you, at least to ask the right questions to the salesperson!

Re: AC Adapter as replacement of NiCd Batteries

*Message #9 Posted by **Steve (Australia)** on 30 Sept 2000, 6:27 p.m.,*

in response to message #8 by Andrés C. Rodríguez (Argentina)

Yoou can find some quite cheap switch-mode plug packs that have outputs rated at (say) 5V 2.5A.

These are a good option because they are well regulated, have high current output (NiCad can deliver several amps -- even the lowly card reader for the HP41 needs 250mA, with peaks up to 1A).

Also note that 4 well charged nicads can deliver in excess of 6V, so a 6V power supply is not too much.

Oh, and when I say "quite cheap" I mean quite cheap in comparison with transformer based regulated supplies of similar rated output.

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Calculators Storage
*Message #1 Posted by **Y K Wong (Singapore)** on 26 Sept 2000, 8:35 p.m.*

Hi,

While it sound strange to store a calculator instead of using it, but most of us that visit this Forum probably have one too many calculator than we need and yet cannot bare to dispose them (or rather some of us keeping them as a collection!). So what is the best way of storing a brand new and a used/ classic calculator? Should the battery be removed while storing, however, will the calculator still be able to power up say years later? I tend to keep my calculators with their respective batteries and keep a check on a regular basis to ensure functionality and leakage, however, due to the weather here (hot and high humidity), I am thinking of sealing them in individual airtight bag with silica gel. Thank you.

Re: Calculators Storage
*Message #2 Posted by **Viktor Toth** on 26 Sept 2000, 10:25 p.m.,*
in response to message #1 by Y K Wong (Singapore)

Should a battery pack be removed from the calculator in storage? Yes, absolutely, at least when it comes to vintage calculators and rechargeable packs.

One of the problems with old(er) NiCd battery packs is outgassing; specifically, slow outgassing of KOH gas. This gas can cause problems in a variety of ways.

First, KOH usually reacts with CO2 from air, forming potassium carbonate (white crystalline stuff near the battery terminals.) This stuff is fairly harmless, but the by-product of this reaction is water. The resulting dampness, in the presence of the battery voltage, can cause an electrolytic reaction (blue-green stuff appearing on copper surfaces, for instance.)

Worse yet, in storage it is possible that there's insufficient ventilation, especially inside a calculator. The CO2 content of air is low enough to begin with, and when it's exhausted, any more corrosive KOH gas will start to directly attack metal and plastic parts (black corrosion.)

An airtight bag makes this problem worse. Silica gel helps a little since it may absorb some of the moisture, but unless you put it inside the calculator, it'll only be good for absorbing environmental moisture, not moisture generated inside the machine. Lastly, I don't think it absorbs KOH, which can cause far more damage.

So the bottom line is that unless you use a calculator regularly, it's probably a good idea not to store it with a NiCd battery pack inside. (It *is* probably okay if the machine is taken out and used once or twice a month, and when that happens, you also remove the battery pack, "airing" the battery compartment while at the same time checking for the presence of early signs of outgassing.)

Alkaline and other non-rechargeables do not have this problem but they can still release an ugly goo that can damage a calculator. The release can be fairly sudden; one week, you see no signs of leakage, the next week goo is already present in the battery compartment. The good news is that, although I have no idea what it's made of, the goo from modern alkalines appears relatively harmless, and it can often be wiped from a battery compartment with virtually no residue and no damage done.

I have not yet seen leakage from 3V lithium and 1.5V silver-oxide batteries. Since there are HP Voyagers out there that reportedly still have their original set of silver-oxide batteries after 12 years or more, I think it's safe to say that those batteries present almost no danger of leakage.

Viktor

Re: Calculators Storage
*Message #3 Posted by **Y K Wong (Singapore)** on 26 Sept 2000, 11:39 p.m.,*
in response to message #2 by Viktor Toth

Thanks Viktor,

I have a 16C that I bought 15 years ago that I kept brand new in the box, the original set of batteries lasted till recently (in fact last month) before I have them replaced – 15 years! Yes, no problem at all, no leakage and the contact is as nice as new! However, my concern is with those older models such as Classic, Woodstock, Spice and perhaps including Coconut (i.e. 41C's), if I would to remove the battery now – after they have being running for so many years, what would the possibility that they may not be able to fire-up again years later? My bad experience was with my PC where I run it for years without any problem, however, once I have shut it down for a few months, it just don't wake up anymore!

Thank you.

Y K Wong.

Re: Calculators Storage
*Message #4 Posted by **M Currie** on 27 Sept 2000, 12:34 a.m.,*
in response to message #3 by Y K Wong (Singapore)

I can't see where leaving the batteries out would harm a calculator or keep it from restarting. A computer is a little different, since it has a backup battery that can go dead after long inactivity, and occasionally a hard drive can fail to spin up after a long rest, but assuming a calculator has neither of these, it shouldn't be an issue.

Re: Calculators Storage
*Message #5 Posted by **Viktor Toth** on 27 Sept 2000, 12:43 a.m.,*
in response to message #3 by Y K Wong (Singapore)

I'd say that the presence or absence of batteries has little or no effect on your ability to power it back up at a later time. On all but the continuous memory models, no part of the calculator is powered when the power switch is in the OFF position, so the battery might as well just not be there. On continuous memory models like the 25C, the RAM is powered at all times, but this will actually drain your NiCd battery pack, possibly contributing to the outgassing if any of the cells in the pack are deep discharged and then reverse charged. In any case, whether or not the RAM is powered has no effect on the calculator's ability to "wake up".

Viktor

Re: Calculators Storage
*Message #6 Posted by **Y K Wong** on 27 Sept 2000, 1:29 a.m.,*
in response to message #5 by Viktor Toth

Thanks.... I understand now!

Cheers,

Y K Wong.

Re: Calculators Storage
*Message #7 Posted by **Chan Tran (US)** on 27 Sept 2000, 10:49 p.m.,*
in response to message #6 by Y K Wong

The batteries should be removed. If you are going to store your calculator away for a long time. When you power up your calculator the battery is bad any way

Re: Calculators Storage
*Message #8 Posted by **Mike Sebastian (US)** on 28 Sept 2000, 12:26 a.m.,*
in response to message #7 by Chan Tran (US)

A few personal observations:

I have purchased several old calculators that had been stored for a significant period of time and had their ni-cad batteries leak. The damage is usually significant, and often fatal to the calculator.

The so-called environmentally friendly alkaline batteries that have been marketed since the mid-90s have a relatively short shelf life. And, like Victor mentioned previously, they can leak suddenly. While the damage isn't as severe as that caused by ni-cads, they can still cause irreparable damage to a calculator or other electronic device.

While silver oxide button cells have excellent storage characteristics, many calculators now only come with alkaline button cells. All the caveats above regarding alkaline batteries still apply, although the damage us usually not as severe simply because the volume of material which leaks is slight.

I've never seen a lithium coin cell leak.

Bottom line: except for silver oxide and lithium cells, I would not recommend leaving batteries in a calculator stored for any significant length of time.

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Speaking of Steve Loboyko...
*Message #1 Posted by **Jim Hofstra** on 26 Sept 2000, 4:03 p.m.*

Whatever happened to him. Seems like he fell off the face of the earth!

Re: Speaking of Steve Loboyko...
*Message #2 Posted by **Tom Lake** on 28 Sept 2000, 1:39 p.m.,*
in response to message #1 by Jim Hofstra

Wasn't Steve the person who lived in Georgia who used to repair calculators?

Tom

Yes, Steve Loboyko used to repair HPs
*Message #3 Posted by **Gene** on 30 Sept 2000, 7:33 a.m.,*
in response to message #2 by Tom Lake

He did some repair work for both myself and Wlodek among others. Then he dropped out of sight. Never found out what happened to him (or the last few HP65s he was working on).

Anyone at all know?

Gene

Re: Yes, Steve Loboyko used to repair HPs
*Message #4 Posted by **Jim Hofstra** on 3 Oct 2000, 3:02 p.m.,*
in response to message #3 by Gene

That is a shame. Someone implied Joe Rigdon here did that but it was quickly denied and apparently untrue.

I consider it a great shame if we're using a document written by Steve Loboyko while he actually DID ripoff some equipment, and from Wlodek himself no less.

Perhaps a yahoo people search?

Jim

Does no one really know anything about Loboyko?
*Message #5 Posted by **Jim Hofstra** on 2 Oct 2000, 7:26 a.m.,*
in response to message #2 by Tom Lake

It's been a couple of days now...doesn't anyone know where he's gone off to?

Jim

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[Restoration] Buffing with Armor All?
*Message #1 Posted by **Peter Khor** on 26 Sept 2000, 5:45 a.m.*

I've *heard* from somewhere (UL?) that protectant sprays such as Armor All will actually accelerate plastic/vinyl/rubber deterioration. Any truth to the matter?

I'm thinking of using STP's Son of a Gun (funny name, eh? it's a US product) Protectant spray to give a little spiff to plastic/vinyl/rubber parts of a calc (on the bottle it says: Reduces UV that cause fading and cracking, restores luster, non toxic, no alcohol or solvents).

Thots? Comments? Experience?

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hp 49g SBS
*Message #1 Posted by **John** on 25 Sept 2000, 8:31 p.m.*

I am having some difficulties doing sbs for indefinate integrals, and does anyone know if the 49g will do partial derivitives?

Thanx.....

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Re: HP65 card reader problem

*Message #1 Posted by **John Robinson (Australia)** on 24 Sept 2000, 10:06 p.m.*

My switch now turns the motor on OK when I insert a card, but I am having problems getting the card to feed properly. I either have a situation where the motor works hard,a passes the card slowly, in which case I think my roller is too big, or the motor runs unevenly, in which case I think the roller is too small and is slipping. I noticed that the nylon part of the motor clutch is broken in two, so I am not sure if the motor clutch is slipping, but when I take the motor out, and run it, and hold the worm gear, it doesn't seem to slip.

Is there any way I can eliminate all other causes and convince myself that it's just me roller making skills need honing ?. Can anyone sell/give me a roller that is known to work fine ?

I am yet to try the "fall through" test, perhaps someone can explain it to me ??

Thanks - John

Re: HP65 card reader problem

*Message #2 Posted by **Katie Wasserman** on 25 Sept 2000, 12:35 a.m.,*
in response to message #1 by John Robinson (Australia)

ohn,

Your 65 card read problems are not uncommon in my experience. If you read the repair manual on them (see the 97 repair manual) you'll get a better understanding of how they're suppose to work.

Briefly, what's going on here is that the spiral gear on the motor shaft should never, ever slip. It should stop the motor if you hold it. The gear it drives should also never, ever slip and the pinch roller should never slip either.

So when you run a card through the machine it's going to put a load on the motor. In fact, it's a pretty significant load depending on how hard the pinch roller rubs against the card and the hard

nylon roller underneath the card. The manual notes this and tells you to adjust the system for a specific current draw. It's not at all obvious, but the way you adjust this is by turning the nylon shaft that holds the drive gear and pinch roller. It's actually not a symmetric shaft in fact it's called the "eccentric cam" in the manual. The screwdriver slot in the end of this shaft is for adjusting this cam through 360 degrees.

It's been my experience that some card readers are much more sensitive to this adjustment than others. Most don't care at all how the eccentric cam is turned, but others will give radically different card speeds based on the cam position.

I'm not quite sure what you mean by the "nylon part of the motor clutch". However, I would consider using a soft rubber pinch roller that's a tiny bit more than 1/4" O.D.. I've found that the O-rings are very hard, much harder than the original pinch roller and therefore, generally mean that the drive speed is more sensitive to the cam position.

-Katie

Re: HP65 card reader problem

*Message #3 Posted by **John Robinson (Australia)** on 25 Sept 2000, 2:18 a.m.,*
in response to message #2 by Katie Wasserman

Hi Katie,

The nylon part of the motor clutch is referred to in Steve Loboyko's repair document. It's on the motor shaft, and goes into a metal sleeve before the worm gear.

I'll try rotating the nylon shaft as you suggest to see what difference that makes. I'll also take a look at the 97 repair manual.

Cheers, John

Re: HP65 card reader problem
*Message #4 Posted by **Katie @wasserman** on 25 Sept 2000, 11:49 p.m.,*
in response to message #3 by John Robinson (Australia)

John,

I understand what you're talking about now. The "clutch" is really the coupling between the motor shaft and the worm gear. It's a nylon bushing inside of a metal cup and supposely allows the motor shaft to slip if the worm gear becomes jammed.

I've fixed a couple of these (before I even read Steve Loboyko's article) in a manner similar to what he describes. However I found that the best glue was quick setting epoxy (crazy-glue and the like just didn't work for me). Just a tiny drop of it is all you should use or you run the risk of getting it inside the motor. The motor shaft will not slip with the expoxy in there, but I've never found that to be a problem.

-Katie

Re: HP65 card reader problem
*Message #5 Posted by **Matthew Riehl (U.S.A)** on 25 Sept 2000, 5:53 p.m.,*
in response to message #2 by Katie Wasserman

Katie,

You refer to the HP-97 repair manual (. . . If you read the repair manual on them (see the 97 repair manual) . . .) in your post.

Where might I find this manual? Is it available online or possibly on the museum's CD set? It sounds like a great reference to have. Thanks for mentioning it.

Matt Riehl

Re: HP65 card reader problem

*Message #6 Posted by **Katie Wasserman** on 25 Sept 2000, 11:09 p.m.,*
in response to message #5 by Matthew Riehl (U.S.A)

Matt,

Yes, the HP-97 repair manual is on the CD set available for purchase here. I don't know of an on-line copy of it.

-Katie

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Query about HP 32S
*Message #1 Posted by **Iqbal** on 24 Sept 2000, 2:26 a.m.*

Did the HP32S come with a slipcase like the HP32SII, or did it come with a zippered softcase, with the HP logo. I met a guy with a HP32S with a zippered softcase and HP's logo and he says it came with that softcase.

Re: Query about HP 32S
*Message #2 Posted by **Todd Garabedian** on 24 Sept 2000, 7:17 a.m.,*
in response to message #1 by Iqbal

I'm certain the 32S came with a vinyl slip case like the 32SII. Note both of these models are "Pioneers", and have the same physical size. The 32E, on the other hand, came with a zippered case. It's a "Spice" model.

Can some of the collectors who collect boxed specimens confirm this? You know who you are!

Todd

Re: Query about HP 32S
*Message #3 Posted by **Jerry Doctor** on 24 Sept 2000, 6:02 p.m.,*
in response to message #1 by Iqbal

Todd is correct. However, MY 32S is in a lovely brown leather case, similar in style to the leather cases that came with the HP-65 although obviously without the card "pouch."

The case carries the HP logo and was available as an "accessory."

Re: Query about HP 32S

*Message #4 Posted by **Menno** on 5 Oct 2000, 9:39 a.m.,*

in response to message #3 by Jerry Doctor

The 32S came with a soft vinyl case which was "melted" together. The 32SII and later versions of 42S came with a (fake) leather case which was sewn.

Menno

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Kitty Hawk 20meg HD Data?
*Message #1 Posted by **Jerry Scheltgen** on 23 Sept 2000, 11:38 p.m.*

I did not know there was such a fan club of HP calculators and watches.

Does any one know how many cyl, hds and sectors the Kitty Hawk 20 meg Hard Drive has. Would like to test one that I have.

Want to make a data transfer unit with one.

Thx

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49G: Cable question: Overhead display cable to PC/Mac?
*Message #1 Posted by **Gene Wright** on 23 Sept 2000, 6:08 p.m.*

Hi. Just got in my 49G and the overhead display unit to use in class.

I noticed that it comes with a cable to connect the 49G to the Overhead display.

This cable has the proper 10 pin connector to plug into the 49G and appears to have what looks like a macintosh standard serial connector on the other.

Does anyone know if this cable will work to hook up the 49G to a Mac?

(I'm assuming, of course, that the 49G and the mac can/will talk to each other...I remember early on many had lots of problems with that!).

Gene

Re: 49G: Cable question: Overhead display cable to PC/Mac?
*Message #2 Posted by **Thibaut** on 24 Sept 2000, 2:21 a.m.,*
in response to message #1 by Gene Wright

As far as I know, the cable delivered with the 49 G is to communicate only with another 49G. If you want to talk to a mac or a PC with your 49G, you'll need to buy the spcial cable and software.

Wrong cable...I meant the cable included with the Overhead Display, not the 49G
*Message #3 Posted by **Gene Wright** on 24 Sept 2000, 7:23 a.m.,*
in response to message #2 by Thibaut

:-)

Gene

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Anyone here likes HP Calc emulators?
*Message #1 Posted by **Gil Petri (Brasil)** on 23 Sept 2000, 12:54 a.m.*

I liked to see and try the HP-49G BEFORE I bought mine. Then I saw the EMU48 emulator and loved it, not to mention the great V41 (HP-41CX emulator). I wanted more (<greed>), the DOS-Based HP-71B Emulator requires a ROM image also, but I don't have IL for my HP-71B... Does anybody know where I can find one? And what other ROMs are released as NOMAS (like the HP-41)?

I suppose everyone here knows what I'm talking about but if anybody does not understand something I said, feel free to ask!

Cheers, Gil Petri.

Re: Anyone here likes HP Calc emulators?
*Message #2 Posted by **Paul Brogger** on 2 Oct 2000, 11:08 p.m.,*
in response to message #1 by Gil Petri (Brasil)

Gil:

I think I get some of what you're talking about. I must say, the sim/emulator that most impresses me is Larry Leinweber's Java HP-25 simulation that's posted under "Calculator Simulations" here in the MoHPC.

It is simply a beatifully-realized homage to Woodstock design and functionality. I've recompiled the Java code and am looking at making it handle base conversions (hexadecimal arithmetic) and perhaps some other features for my own use.

It sure beats the heck out of Microsoft Calculator!

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41 Series PACs
*Message #1 Posted by **Ron** on 22 Sept 2000, 12:44 a.m.*

Do all the application/memory extension pacs work with all the 41's, or are some of them only usable with a particular calc? If the pacs are picky about the calcs, is there a place I can find out what pacs work with what calcs?

Thanx. Ron

Re: 41 Series PACs
*Message #2 Posted by **Randy Smith (American in Germany)** on 22 Sept 2000, 2:28 a.m., in response to message #1 by Ron*

There are certain pacs you don't need to use with certain calcs such as memory or quad memory modules with the CV or CX as they already have the max memory internal. Also, you don't use the extended functions module or the timer module with the CX as it already has the functions internal. There are certain modules that need to have other items to be of any use. The HPIL module is one of those. It is of very limited use without any IL accessories such as the 82162 thermal printer or the 82161 cassette drive. There are others as well that are of only limited use. There are also labeling conflicts within the pacs themselves where some pacs won't work right if you have other pacs or peripherals attached. For example, if you have the HPIL module attached and the print function is not defeated and you also have an 82143 thermal printer attached your calc will most likely lock up if you try to print. This is by no means an exhaustive list just some examples but I hope it helps. Randy

Re: 41 Series PACs
*Message #3 Posted by **Thibaut** on 22 Sept 2000, 6:11 a.m.,*
in response to message #2 by Randy Smith (American in Germany)

Well, I can only confirm what you said, but to focus on Ron's question, you have to know that there are 2 main kinds of extensions you can add on a 41 series :

- application pacs, which are software developed by HP that can be used on any 41 (provided for some applications you have enough memory on a C, one ore more memory module smight be needed to run certain application) - what I call hardware, are extension pacs such as memory modules, xfunction modules, IL modules, that can be plugged harmless to all 41 series, but won't function with all of these are some are redundant (xfuctions for a CX, memories for CV and CX, ...)

Re: 41 Series PACs
*Message #4 Posted by **Ion Abraham (New Mexico)** on 22 Sept 2000, 9:16 a.m.,*
in response to message #3 by Thibaut

Hello,

I just wanted to make sure I understand a part of your answer to the PACs question. So the memory modules (single or quad) will not increase the available program memory on the HP-41CV and CX? Also, while I'm at it, I thought I would add that the Math/Stat combination PAC is very similar to the Advantage PAC. I have found the Math/Stat PAC to be the more useful, though I have both PACs plugged into a CX, and have never encountered conflicts.

Ion Abraham Albuquerque, New Mexico

Re: 41 Series PACs
*Message #5 Posted by **Andrés C. Rodríguez (Argentina)** on 22 Sept 2000, 9:29 a.m.,*
in response to message #4 by Ion Abraham (New Mexico)

Memory modules (single, quad, and even the elusive "double" which was not an HP product) are only useable on a HP41C. The -CV and -CX have the maximum RAM on-board already.

Extended Functions (X Functions) module is useable on a -41C and -CV, not in a -CX, which has the extended functions on-board already. The X Functions module also adds some "extended memory"; which is CMOS memory but is addressed not as RAM but more like a "solid state floppy disk", so to speak.

Extended Memory (X Mem) modules are useable on a -41C or -CV with the previous existence of a Extended Functions module; or in a -CX. They add more extended memory registers.

Re: 41 Series PACs
*Message #6 Posted by **Thibaut.be** on 22 Sept 2000, 11:15 a.m.,*
in response to message #4 by Ion Abraham (New Mexico)

You're right, no conflict happens between the advantage pac and th ememory module. While the adv. pac present basically a lot of maths programs, quite similar to the math pac, the math pac is more detailed. In addition, th advantage pac show other application.

They can be used together wihtout any problem, provided that if you're working with a C they are installed in the next high position after the last memory module.

Re: 41 Series PACs
*Message #7 Posted by **Randy Smith** on 1 Oct 2000, 9:58 p.m.,*
in response to message #4 by Ion Abraham (New Mexico)

If there are any potential conflicts between pacs they are listed in the user's manual for the pac. Such as routines with the same name in different pacs. Randy

Re: 41 Series PACs
*Message #8 Posted by **db (la tierra prometeda)** on 2 Oct 2000, 8:21 p.m.,*
in response to message #4 by Ion Abraham (New Mexico)

yes, the quad is contained in the cv, just as the cx is a c with a quad and an extended functions rom (and a time chip). niether a second quad or a second ex. fnc. mod will do you any good. i know at least one program (the matrix one) is different in the math pac from the adventage rom but they have different names so there is no problem there. if you discover that you can't access a program in one module because you get sent to another module that has a different program with the same name then switch thier order. ie. chip in port 1 goes in port 2 and chip in port 2 goes in port 1. that will fix 99% of that kind of problem. i have a couple of roms that have to be in a certain order but thats another problem but you just have to keep the ducks in a row, so it's no problem. isn't 1979 technology wonderful? i've used mine daily for 18 years and although it's still the best there is, it still looses me sometimes.

Re: 41 Series PACs

*Message #9 Posted by **db** on 22 Sept 2000, 11:44 p.m.,*

in response to message #1 by Ron

ron; to answer your question, the ones by hp were intended to. now the addendums: there are weird bugs like one of the ones that Jedrzejowicz describes as the "fading crash" that "is due to the interaction of the printer with the time module and the extended functions." if you execute "FMT" without having the printer attached and enabled, the display fades out temporarily. both d'zign software and tds produced ROM's for surveying that needed a cx or at least an extended functions chip. i assume "ramss" has the same needs but i dont know. another thing you have to watch out for is rom numbers. if you have two that are the same, the second one (in the 41's order of access) won't be found. this happens when the tds rom and the optical wand are combined; in this case the wand dosn't function. so don't assume that a rom dosn't work with your calcer until you try it alone. there is a list of rom numbers somewhere but i dont remember where. about the list you were asking about; if you make one we will read it.

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What do you think about it?
*Message #1 Posted by **Victor Carreon** on 20 Sept 2000, 11:08 p.m.*

This is a comment from a TI discussion group supported by TI

---The document in my topic line is found here: http://www.hpcalc.org/hp48/docs/misc/hpmarket.zip This is a big PDF file - 66 pages. If you have any interest at all in high-end graphing calculators, HP, and TI, this is definitely worth reading.

After reading this, my first thought was 'why, in the world, would anyone want to buy an HP calculator any more?---'

What do you think about the file? I have an HP42S, HP28S, HP49G, TI92Plus, and I had been planning to buy the New HP Expander, but know I'm very disappointed. Victor Carreon

Re: What do you think about it?
*Message #2 Posted by **Glynn** on 21 Sept 2000, 6:25 a.m.,*
in response to message #1 by Victor Carreon

Victor, I have read it, and agree with much of it.

Still, you gotta know what you can change, and what you can't. Then, you need to make the changes you can, and face the changes as they come from elsewhere.

In saying this, I know I'll step on a few toes I should much like to spare. I should like VERY much for the campaign as expressed in that Plan to be the catalyst for some real changes that would awaken the sleeping giant that is HP, and set them about making calculator products we all could BELIEVE in again, stake our futures on.

But I feel that, as a user, I am better off sticking with the tools I have, taking good care of them, and not relying on HP to gain the good sense that report is striving to impart to them.

And keeping on the lookout, by the way, for the new products, from whatever source, that meet

MY specific needs and desires.

HP's ACO is going about doing what they believe is in their best interests, as Chris Wallin's reply indicates. Richard Nelson et al (some stellar folk in there) are being very helpful in looking to redirect HP strategy for HP's own good. But HP alone has to determine if it meets their own corporate goals and vision.

We, as consumers of new calc products, must go to whomever has the tool that fits us and our jobs. No matter how good HP was in the past, no one can rest on cushy laurels forever.

If HP loses us in the process of learning this lesson, it may well be that the calc division will die, or be subsumed into the Mobile Computing division, or whatever. Or it may play second-fiddle and catch-up to TI and Casio forever. But everyone has the right to be wrong, even HP.

I was at my local grocery-chain today, where they have a stack of new boxed HP ink-jet printers in the middle of the front aisle. They are throw-away ($79) translucent-blue and beige consumer impulse-purchase items at this Albertson's. Obviously, you go to the store to pick up your milk, bread, some lunch-meat, and oh yes, a spiffy new printer.

You think the current HP corporate culture emphasizes growth in innovation, reputation and prestige, or growth in sheer quantity sold?

I can tell you stories I hear of HP's latest Vectra PC offerings, and they aren't terribly different than the support, expansion and compatibility woes you hear from Compaq or Dell customers. So are HP defining themselves in the market by being superior, or by being mainly price "competitive" and brand-brazen? The latter, I find.

(Okay, plus the Vectras are reeeally plug-UGLY; there, I feel better now).

R Nelson's original premise that says (translating loosely) that HP's ACO would be better off sticking to a niche it can secure firmly and with passion, rather than releasing products to "cover" all the perceived competition at every price-point, in my opinion, hits the nail precisely on the head.

Good advice for a lover to give his errant wandering spouse. But the lessons of fidelity are hard to teach a roamer engaged in seeking satisfactions from all quarters.

So much for HP and their business practices and market strategies. They will do what they will do.

What about the loyal customers? Don't we have a say? YES-- we say it when we buy a product that suits us better than whatever some one company is willing to offer. That's it: our total

recourse.

No matter how loyal we have been, no matter how well the company USED to be run, back in the days when engineers had the helm: the only sound a company as large as HP ever HEARS is the roar within.

If it is from accountants, or stock-holders, or managers with tenure, the sound can be quite breathtaking. A cash-register can jingle pretty enough to catch someone's attention-- a Wal-Mart or Sears can give management a start... but a set of letters of complaint from a small cadre of dedicated company followers, explaining the marketing mis-cues and product and support deficiencies of the division, is a whisper that does not come close to rising above the din.

Companies are NOT democracies, and will NEVER be run from without. It might well be wise sometimes if they WERE, but then they would not be a company, but a collective.

Sometimes a company expresses a willingness to listen to its base of consumers, as HP has on occasion. But ultimately, market surveys of quantitative satisfaction are all that matter; and "you can file that strategic plan of yours for us into that receptacle on your way out, thank you very much. We have our own."

I think the world of Richard Nelson, of Jake Schwartz, Joseph Horn and Jim Carter and all that crew, though I know them only by their solid reputations and some website views into their thoughts and activities. They are, without doubt, the lifeblood of an active user and developer community, something essential to us all and well worth listening to, whatever they are saying.

What they ARE saying is so profound, it seems impossible to some that HP would not listen and HEED it. I do not mock or wish to belittle the tremendous efforts they are making. I hope HP management is not nearly so thick-walled that a germ of their ideas cannot penetrate into HP's thinking.

But there must be some point at which the jilted look at all the evidence, after waiting for so long now, and say: "I must move on and find my own fulfillment, for no amount of wishing, hoping, lecturing or patience is going to make my mate appreciate me, or care". And I am afraid we HP-lovers are reaching that point; I think the rather unusual effort put into the report only reflects that roiling disappointment and despair.

Part of the sense of loss we are feeling is the notion that as HP goes, so goes RPN and professional hand-calculator (button-function correlated) tools in general. God knows I have no clue what is solely the property of HP and no one else, but those two particulars seem safely public-domain anyway. If the case can be made that HP could profit by staying in that business, and HP does not choose to, there is room for competition. That may develop, in time.

Meanwhile, I am always on the lookout for used HPs that can satisfy my needs. That is why I am here at MoHPC-- to learn and to love what I know is worthy of the emotional investment.

Ummm, "what do you think about it" was sort of an incitement. Sorry for the rant.

Re: What do you think about it?

*Message #3 Posted by **Wayne Brown** on 21 Sept 2000, 9:33 p.m.,*

in response to message #2 by Glynn

I, for one, agree with you 100%. As much as I want to see HP return to its glory days of caring more about quality than profits, I'm beginning to think those days are gone forever. Joe Horn posted a message on comp.sys.hp48 recently about the HHC2000 conference that was held a couple of weeks ago. He said that at last year's conference, HP insisted that the users be brutally honest about anything that bothered them. The document you cited was one of the results of that. And at this year's conference, HP didn't show up. They didn't even bother to offer an explanation for their absence. Joe thinks the "Marketing Plan" may have been the reason (or at least, one of the reasons) for this. Apparently when HP said, "Be honest with us," they really meant, "Tell us what a great job we're doing." It's a real shame when people like Richard, Joe, and the other people involved with HHC2000 get that kind of treatment from a company for which they've done so much.

BTW, I think Richard would be absolutely perfect for the "technical support czar" job that he proposed in his plan. But somehow I doubt we'll ever again see that level of support from HP for any of their products.

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Re: Just noticed: Museum CD's don't have 19c/29c Finance solutions book...
*Message #1 Posted by **Dave Hicks** on 20 Sept 2000, 8:19 p.m.*

I received your order a week and a half ago so it should be going out next week. (I'm hoping you noticed the three-week delay statements when you ordered.)

29c finance - I'll loan it...
*Message #2 Posted by **Gene Wright** on 22 Sept 2000, 8:04 p.m.,*
in response to message #1 by Dave Hicks

Dave, please email me your mailing address and I'll get this off to you as a loaner.

Gene Wright

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Just noticed: Museum CD's don't have 19c/29c Finance solutions book...
*Message #1 Posted by **Gene Wright** on 20 Sept 2000, 2:44 p.m.*

Is this just a slip or has no one scanned this?

Gene

Re: Just noticed: Museum CD's don't have 19c/29c Finance solutions book...
*Message #2 Posted by **Dave Hicks** on 20 Sept 2000, 7:12 p.m.,*
in response to message #1 by Gene Wright

It hasn't been scanned yet. If you could scan it or loan it out for scanning, that would be appreciated.

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How can I get DC-100 tapes used in the 9815A ?
*Message #1 Posted by **Reinhard Hawel (Austria)** on 20 Sept 2000, 9:51 a.m.*

Does anybody know something about that ? (possibly new tapes). The tapes were an industry standard long ago, so maybe somebody has a lot of then lying around...

I'd also be interested in the software tapes that were present for this machine.

Re: How can I get DC-100 tapes used in the 9815A ?
*Message #2 Posted by **Steve (Australia)** on 20 Sept 2000, 7:27 p.m.,*
in response to message #1 by Reinhard Hawel (Austria)

These are like normal cassettes with a large slice out of the back of them?

I saw a whole heap of them at an auction viewing here recently.

Unfortunatly I didn't buy them. I wasn't at the auction, and I didn't think them worth putting in an absentee bid.

A company I was working for 15 years ago was disposing of theirs back then.

But if I see any again... What would you (or anyone) be prepared to pay for them? If I know that I will know what to bid for them. I have no use for them, but I'd be prepared to pass them on to anyone who does.

Re: How can I get DC-100 tapes used in the 9815A ?
*Message #3 Posted by **Katie Wasserman** on 20 Sept 2000, 11:49 p.m.,*
in response to message #2 by Steve (Australia)

I just bought some of these for my 9815s. They're still made by Imation. The proper deisignation is: DC100A - Imation part #46154-9. Here are a couple places that sell them on-line.

http://www.intimecatalog.com/supplies/Tape_IMATION.phtml

http://www.codemicro.com/hl/IMATON6178.html

They go for $25 to $35 each depending on who you buy from how fast you need them and how many you get. The people at the company in the first URL are really, really nice to deal with! Expensive, but free next-day delivery! (I love (nearly) instant gratification!)

-Katie

Re: How can I get DC-100 tapes used in the 9815A ?
*Message #4 Posted by **Reinhard Hawel (Austria)** on 21 Sept 2000, 3:00 a.m.,*
in response to message #3 by Katie Wasserman

Great! Thanks. I'll try to find a European seller for the tapes. The first company ships only items for $200 or more overseas and I have yet to try out my 9815 (quality of tape drive) . I found, that these tapes also fit for the HP-80 series and the 9825 and 9845 series.

I've found the second supplier with a serarch on Altavista, but I wasn't sure, if these were the correct tapes...

The imation number is the important point. Guess, I can order it here in Austria without the hassles of international shipping.

Re: How can I get DC-100 tapes used in the 9815A ?

*Message #5 Posted by **Steve (Australia)** on 21 Sept 2000, 5:55 a.m.,*

in response to message #3 by Katie Wasserman

> They go for $25 to $35 each depending

Wow!!! I should have put in a bid for them. I was wondering if I should risk shelling out $20 for 40 or 50 of these tapes.

Oh well, next time...

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crazy ebay
*Message #1 Posted by **Thibaut.be** on 20 Sept 2000, 7:21 a.m.*

Have you seen these prices ? I can't beleive it !

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=437328581

Re: crazy ebay
*Message #2 Posted by **Glynn** on 20 Sept 2000, 8:02 a.m.,*
in response to message #1 by Thibaut.be

Thibaut, that IS crazy... but that is not the auction I am MOST worried about...

Check out the one for the HP15c Manual, currently at $52 and not yet done.

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=438169150

Wonder if the companion Advanced Functions book will go on a separate auction next week.

Re: crazy ebay
*Message #3 Posted by **Rupert** on 20 Sept 2000, 4:07 p.m.,*
in response to message #2 by Glynn

Who is willing to feel sick should read the post concerning eBay and an HP 71 on

http://cgi.peak.org/~dvtg/Ultimate.cgi (Calculators bulletin board:)

in the Collecting forum.

I cannot believe it.

--

Re: crazy ebay

*Message #4 Posted by **Glynn** on 20 Sept 2000, 7:36 p.m.,*

in response to message #3 by Rupert

For those not willing to run to a different bbs to see what Rupert has referred to, the story, by "dburkett", is called "a 71b for .99" and tells of his find:

He noticed a listing for an "electronic abacus", and saw that the seller was not really aware of what he was selling-- an HP 71b (as identified by the keyboard).

It was indeed a 71b, plus 4 32K modules, plus an HP-IL interface-- all housed in an aluminum box with templates, one template saying "Abacus by Calculus Inc."

"dburkett" was the only bidder on the item, and it is apparently in great condition. Obviously, "dburkett" is one lucky dude with open eyes and a willingness to go at least a dollar for a "pig in a poke"... and this time, it paid off.

I have heard in the past of people actually giving away calculators; I have heard of the occasional dustbin find. We all hope to stumble in on that one yard-sale where the red-dot HP-35 sits next to the rubber-ducky on the ten-cent table. It happens.

"dburkett"'s moral is: ya gotta look, and that is true. eBay is a nice place to look, for sure: some of its charm is the convenience of visiting HUNDREDS of garage-sales from the comfort of your computer.

It is mostly always going to cost you more on eBay: lots of buyer competition results in the seller's market we see there. Only the most common things give us a vendor competition-- and only as long as oversupply to the market exists (and the market on eBay is huge).

But as the story Rupert pointed us to proves, IF you are expert enough to see what others don't, and willing to place your bet on a potential "hidden treasure", you CAN be a "winner".

What I don't "get" about eBay is this: what drives a BUYER to bid prices up on items that appear there at least every other week?

The psychology of the auction notwithstanding, it is a constant inflationary pressure that makes effective buying on eBay a long, slow and iterative task-- being second or third or fourth place on many auctions while the newbies fight for the right to pay lots more

than an item can be had in the local classifieds.

Re: crazy ebay
*Message #5 Posted by **Dave Hicks** on 20 Sept 2000, 8:26 p.m.,*
in response to message #4 by Glynn

"I have heard in the past of people actually giving away calculators; I have heard of the occasional dustbin find. We all hope to stumble in on that one yard-sale where the red-dot HP-35 sits next to the rubber-ducky on the ten-cent table. It happens."

A few years ago I started calling surplus/liquidation equipment dealers to ask about calculators. The typical answer was that when they got them, they threw them away "along with the half used pads of paper and broken pencils."

I managed to convince one of them to throw all the calculators in a box for me to come look at now and then and I bought HPs at a buck a piece from him. Recently, the price changed to $100. He discovered a new thing called "eBay". I have to find a new surplus dealer.

When I shop on eBay, I look for misspelled/miscategorized items. Like the "Digicom" (Digi-Comp 1) which sold for $27 instead of the usual $200-$400 and the "Interesting Tool" which was sold under the watches classification for $22 but which would have fetched $600 if it was properly identified as a "curta calculator." (One of my other Curtas came from a watch show where the seller knew it was a calculator but was surprised that I was willing to pay his full $50 asking price.)

Oh and I still receive give-away HPs from coworkers.

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Ebay and this site
*Message #1 Posted by **Katie Wasserman** on 19 Sept 2000, 8:09 p.m.*

Dave,

I like the way that you handled the person on ebay using the museum's picture of the 22s for their auction without permission.

(For those of you who missed it, Dave changed the URL to point to a picture of a TI Datamath with a piece of masking tape on it labeling it as an HP22s!)

It's a funny and effective way to deal with those sorts of things. But it also probably puts a scare into the current high bidder. I was one of the bidder's on that auction and felt a sense of relief that I was no longer the high bidder when the picture changed and there was no explanation as to why.

-Katie

Re: Ebay and this site
*Message #2 Posted by **Glynn** on 19 Sept 2000, 9:03 p.m.,*
in response to message #1 by Katie Wasserman

That is TOO FUNNY! I read Katie's message and rolled on the floor laughing... (High Fives, Dave).

Katie, this ALERTS the high bidder.

I had to go by eBay and look: "tmcmullin" has definitely learned a lesson. (By the way, as I write, less than 2 hours left, 65 bucks... hey...)

In this case, its likely a perfectly good calc. But in general, if a vendor is willing to use somebody else's work WITHOUT PERMISSION (and Dave is not that hard to reach), you can practically count on the 22s being less than advertised.

Picture hosting costs money. Either people have to point to their own sites, or they use services that run banners, or they pay eBay a small fee for picture-hosting. So "borrowing" a picture on another site is likely an everyday occurrence.

But the site they point to gets not even a nod? Not even the opportunity to say, "hey, visit this place for good info?" All the extra server traffic of eBay's picture-loading, but no traffic into the site itself by people interested in that calculator?

The reason some vendor would not give this nod willingly is that he/she DOES NOT WANT the buyer informed. The vendor who borrows without reference or permission is probably hoping someone will come along who has no reference-point to its value, and so will bid much higher.

I'm fairly sure Dave has often given permission to people who asked, with the reasonable qualifiers any copyright holder is entitled to.

If vendors do not SEEK permission, you might as well presume that the calc IS a TI DATAMATH with a masking-tape label.

Hmmm.... less than an hour and 45 mins.... hmmm.... (no, not me this time; good luck Katie if ya go for it)

Re: Ebay and this site
*Message #3 Posted by **Viktor Toth** on 19 Sept 2000, 9:40 p.m.,*
in response to message #2 by Glynn

LOL! Pity I missed the Datamath image, Dave has a much more polite version up now.

I was also a victim of 'image borrowing' in recent months on more than one occasion. I now routinely scan my Web server's logs, and when I see a referring page that's an eBay ad, I check. If it turns out to be a borrowed image, I replace it, like I did for this seller:

http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=431429342

Some never say a word. Some change the image URL. Once, the seller actually wrote to me and apologized. Wow!

Viktor

Re: Ebay and this site
*Message #4 Posted by **Glynn** on 19 Sept 2000, 11:27 p.m.,*
in response to message #3 by Viktor Toth

Heehehee, that is a good warning post, Viktor. That would make me, as a buyer, jump off that page like I could catch a virus from it.

The Datamath idea was just so funny! I can just imagine the seller checking up on his own page, and turning pale...

Perhaps we should find a picture somewhere of a dirty, warped calculator with springs and wires hanging out, smoke curling up from the display, digits that are missing a few bars, and a few of the buttons installed upside-down. A few flies buzzing around it might not hurt, either.

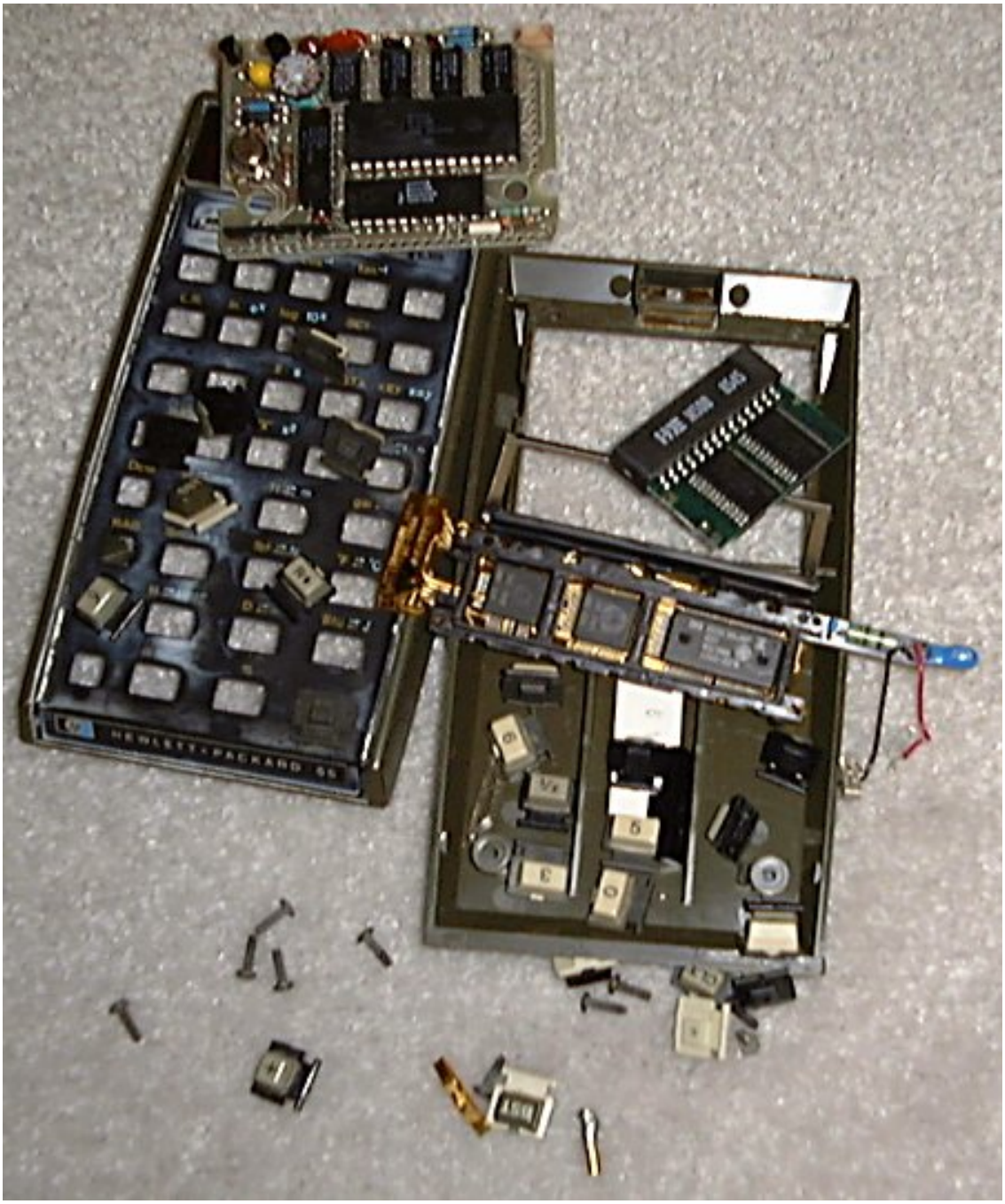
Or, maybe, a picture of a perfectly good calculator, but obviously torn from a magazine ad and scanned, with ragged edges and lithographic print moire-patterns and all. A K-Mart or Target department store or Office-Max flyer, that would do. Maybe with a crease down the middle...

Has anyone ever had a contest to find the "world's ugliest calculator?"

My niece (five at the time) had a cheap toy one with big buttons in the shape of the numbers and operators. It was fun, because it was "solar", and the mere shadow of a hand coming toward the calc would make it clear to zero.

Funny you should mention that
*Message #5 Posted by **Dave Hicks** on 19 Sept 2000, 11:42 p.m.,*
in response to message #4 by Glynn

This was the runner-up idea:



Eeeek!

*Message #6 Posted by **Glynn** on 20 Sept 2000, 12:15 a.m.,*
in response to message #5 by Dave Hicks

Destroyed by fire and then pit-bulls?

That is truly a sad pic. I'm glad you chose to use the Datamath one instead.

Re: Funny you should mention that
*Message #7 Posted by **Bert K** on 20 Sept 2000, 11:34 a.m.,*
in response to message #5 by Dave Hicks

LOL Great way of handling Dave!

Re: Ebay and this site
*Message #8 Posted by **Dave Hicks** on 19 Sept 2000, 11:33 p.m.,*
in response to message #3 by Viktor Toth

Thanks for the comments everyone!

Katie, I'm sure I did cause some nervousness but I think it was called for. Bidders should be nervous if they thought they could determine the condition of the item from the old picture and the seller should be nervous that he wasn't going to get as much money. Some sellers are more sophisticated about this. I've seen some cut my calculators out and place them on different colored backgrounds and then resize the image to obscure its source.

Most sellers claim that the items they're selling look **exactly** like the item pictured but, in my experience, many ebay sellers seem to have poor eyesight.

Re: Ebay and this site

*Message #9 Posted by **Glynn** on 20 Sept 2000, 12:04 a.m.,*
in response to message #8 by Dave Hicks

LOL, that pic kills me every time I look at it!!!

Thanks for posting it here. That label just makes it...!!! BTW, when are you eBaying that Datamath, Dave? :-)

Re: Ebay and this site
*Message #10 Posted by **Todd Garabedian** on 20 Sept 2000, 9:24 a.m.,*
in response to message #8 by Dave Hicks

I recall a couple of years ago, I was selling an HP calculator on eBay (an HP 41 I think).

Before I posted the item on eBay, I wrote to Dave Hicks and ASKED him if I could use one of the Museum's scans (since I didn't have a camera or scanner at the time). He said yes, provided credit was given to the Museum for the source of the scan. I had no problem with that, and was happy to advertise for the HP Museum.

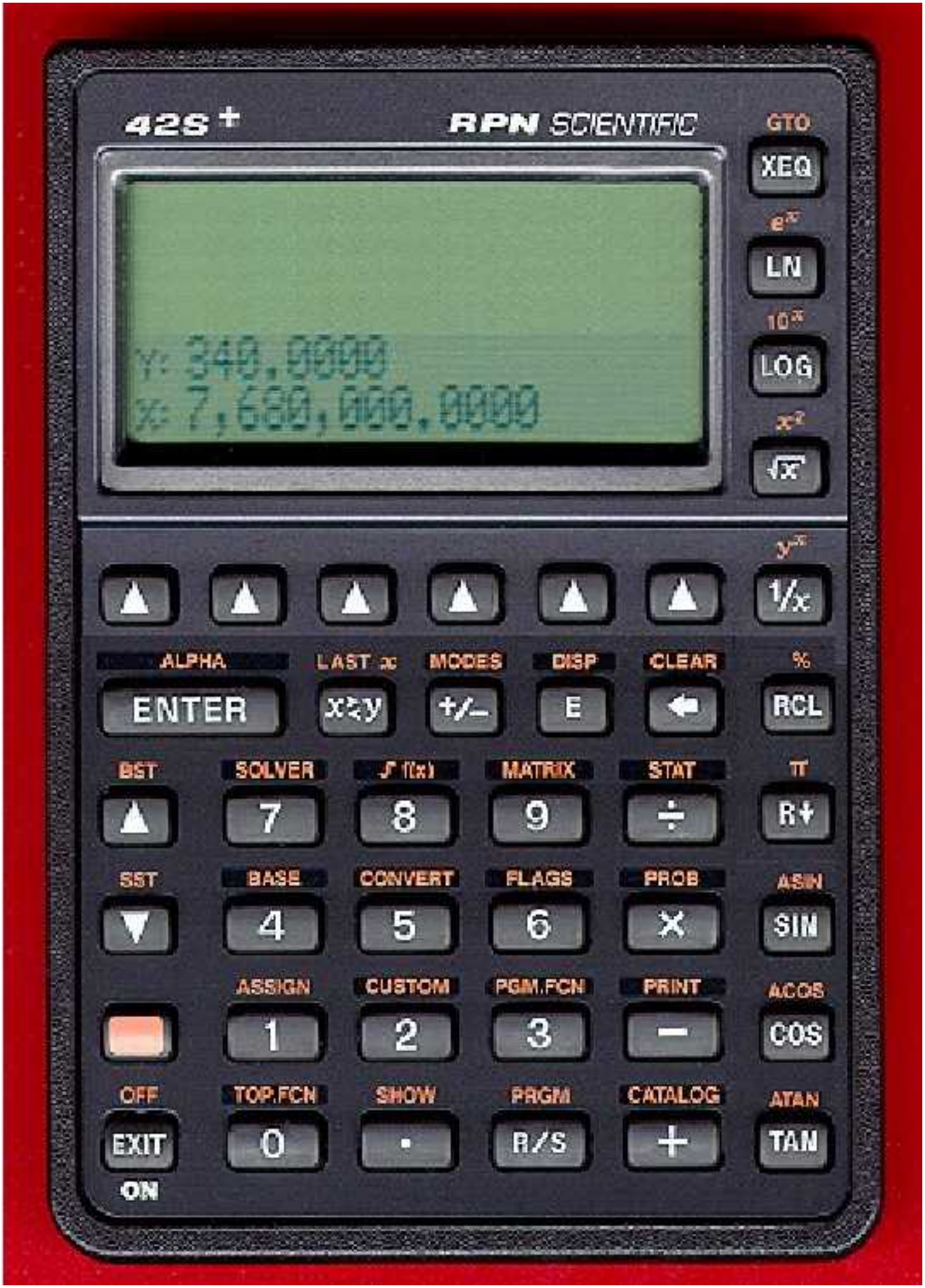
Getting permission to use an existing image is simply good manners.

Todd Garabedian Glastonbury, CT

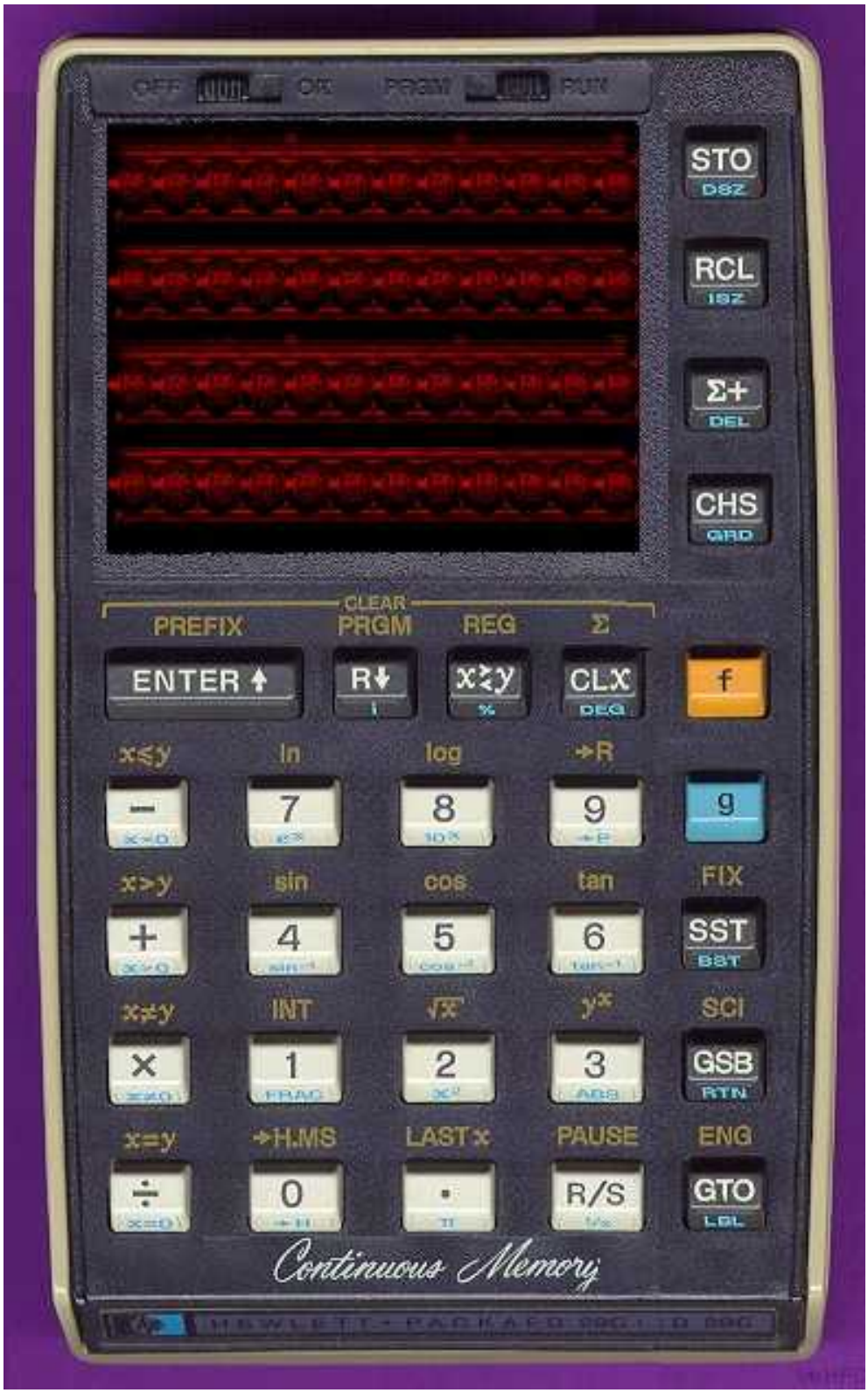
Re: Ebay and this site
*Message #11 Posted by **Paul Brogger** on 2 Oct 2000, 11:00 p.m.,*
in response to message #3 by Viktor Toth

While e-mailing back & forth with Glynn Harris about the calculator we wished we could have, I too "misused" a couple of Dave's images, but in a different manner.

I used MS Photo Editor to help realize some of Glynn's ideas, such as an enhanced, four-line version of the HP-42S:


42S+
RPN SCIENTIFIC
GTO
XEQ
LN
LOG
LAST x
MODES
DISP
CLEAR
ENTER
RCL
SOLVER
MATRIX
STAT
BASE
CONVERT
FLAGS
PROB
ASSIGN
CUSTOM
PGM.FCN
PRINT
TOP.FCN
SHOW
PRGM
CATALOG
OFF
EXIT
ON

and then a four-line LED model:



Dave was very gracious in allowing us to "stretch" his pix, and even had a suggestion on functionality (something like, "Where the hell's the STO key on the -42S+???")

Thanks, Dave!

Re: Ebay and this site
*Message #12 Posted by **db (martinez, california)** on 2 Oct 2000, 11:21 p.m.,*
in response to message #11 by Paul Brogger

foxy

Re: Ebay and this site
*Message #13 Posted by **Viktor Toth** on 3 Oct 2000, 3:54 a.m.,*
in response to message #11 by Paul Brogger

I can live without an STO key I guess (only lamers use registers when there's an RPN stack anyway), but a 4-line LED model? What will it run off, a car battery? :-)

Viktor

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HP-34C charger question
*Message #1 Posted by **Matthew Riehl** on 19 Sept 2000, 3:20 p.m.*

There has been some posts lately that concern using chargers on HP-20 series calculator with bad (or no batteries) and how this can cause damage to these calculators.

Is this also true of the HP-34C and it's charger?

Matthew Riehl

Re: HP-34C charger question
*Message #2 Posted by **Viktor Toth** on 19 Sept 2000, 4:20 p.m.,*
in response to message #1 by Matthew Riehl

In my experience, 30-series (Spice) calculators are somewhat less likely to die due to overvoltage, but it is still definitely a VERY BAD idea to use them with the charger without good batteries inside.

Viktor

Re: HP-34C charger question
*Message #3 Posted by **Matthew Riehl** on 19 Sept 2000, 9:32 p.m.,*
in response to message #2 by Viktor Toth

Thanks Vitkor, I have one coming and wanted to make sure. I guess that if the batteries are bad I'll wait to use it until I replace them.

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HP-12C Rule of 78s Program enclosed
*Message #1 Posted by **Gene Wright** on 18 Sept 2000, 4:25 p.m.*

Somewhere down below in the lists of posts to this messageboard, a request is made for a rule of 78s interest rebate program for the HP12C. The Rule of 78s is a method used by finance companies to determine the amount of unearned interest that is rebateable to a customer if they pay off a loan before its maturity. It is somewhat disadvantageous to the customer, as it is an accelerated method of recognizing interest earnings and hence lowers the rebate amount if a payoff occurs quite quickly.

Here is one that will run on it. It can easily be modified to run on any HP RPN programmable. Hope it helps.

```
Registers:
0 - Original Unearned Interest Amount (INPUT)
1 - Original Term of Loan (INPUT)
2 - Remaining Term of Loan (Program Calculated)
3 - Current Earned Interest Amount (Program Calculated)
4 - Remaining Unearned Interest Amount (Program Calculated)


Instructions:
1) Enter Program
2) Press GTO 00
3) Enter original unearned interest amount and press STO 0
4) Enter original term of loan and press STO 1
5) Press R/S to display first months remaining unearned interest
6) Continue pressing R/S to display each consecutive month's unearned interest.


Example: John is paying for a car with a 36 month loan. The car costs $10,000 and
his monthly payment is $313.36.


Step 1: The original unearned interest is ($313.36 x 36) - $10,000 or $1,281.09
Step 2: 1281.09 STO 0
Step 3: 36 STO 1
Step 4: Press R/S --> See 1142.79 displayed.
Step 5: Press R/S --> See 1079.30 displayed.
Step 6: Press R/S --> See 1017.63 displayed.
```

If the John pays off the car balance after the third payment, he will need to pay the original amount of the loan ($10,000) + the original interest charges ($1,281.09) less his payments (3 x 313.36 or $940.08) less a rebate of $1,017.63. His payoff total is $9,323.38.

Program Listing: Notes: 1) the divide key is listed as DIVIDE. 2) If instead of seeing the remaining unearned interest each time you want to see the amount of interest earned each period, replace step 27 with RCL 3. 3) When the calculator stops to display a result, you may do any calculation you wish as long as you do not change memories 0-5 or move the program's location. The stack is ignored on each loop.

```
01  RCL 1
02  RCL 1
03  1
04  +
05  x
06  STO 5
07  RCL 1
08  1
09  -
10  STO 2
11  RCL 2
12  RCL 2
13  1
14  +
15  x
16  RCL 5
17  DIVIDE
18  RCL 0
19  x
20  RCL 4
21  X<>Y
22  STO 4
23  -
24  STO 3
25  1
26  STO - 2
27  RCL 4
28  R/S
29  GTO 11
```

Addendum: Rule of 78s Program enclosed

*Message #2 Posted by **Gene Wright** on 19 Sept 2000, 12:08 p.m.,*

in response to message #1 by Gene Wright

It should have been noted that the quick and dirty way I wrote this program means that when you get to the last period of the loan, the program does not stop - it does not detect that all of the interest has been earned.

It could be done by changing the program to stop when the remaining term equals zero, but it's hard to imagine anyone really cares THAT much. :-)

When the output from the program makes the remaining unearned interest go below zero, you're done!

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Dave's Numeric Series
*Message #1 Posted by **Glynn** on 17 Sept 2000, 2:42 a.m.*

This is to ask Master Curator Hicks what may be a dumb question, but I thought I'd ask:

I really like the Articles Forum and the Memories Forum, but I fear I must have missed out on some of the articles/postings... because the numbers corresponding to these show some gaps.

What did I miss? :-) And what happened to them?

The more that gets put up here, the more I want to read... (A selfish and greedy attitude on my part, but there is a lot of valuable information here, and I hope none of it is susceptible to "disappearance".

So what's the story on the numbering? :-)

Re: Dave's Numeric Series
*Message #2 Posted by **Steve (Australia)** on 17 Sept 2000, 11:33 a.m.,*
in response to message #1 by Glynn

I think you'll find that articles that are deleted and re-entered (I've done that myself to revise one or two of mine) result in numbers being lost.

Also, occasionally innapropriate things are posted there and Dave (Oh mighty webmaster -- may all his links remain umbroken) removed them.

Also, I think that the articles and the memories share a common numbering (but I may be wrong)

Re: Dave's Numeric Series

*Message #3 Posted by **Dave Hicks** on 17 Sept 2000, 6:46 p.m.,*

in response to message #1 by Glynn

Steve's answer mostly covers it except that the numbers in the two forums are not mutually exclusive.

The numbers are simply meant to provide a shorthand so you can refer to "Articles forum #71" instead of "Some information on the CCD-Rom -W&W CCD A or -W&W CCD B in the Articles forum"

Some of the big blocks of missing numbers are from me testing out the text formatting features and then deleting the articles.

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Re: Some data on where HP users are

*Message #1 Posted by **Rupert (European Union)** on 17 Sept 2000, 1:28 a.m.*

> Yes, I also found 5743, and the number of CD's dave > Ordered seemed more realistic. But I was astonnished too > of the > coincidence of same 7 shipments...

It seems I'm missing something. I tried to compute that number with the following assumption:

let Ni=X*Pi, where X = unknown total CDs number, Pi=(percentual of CDs sent to the country i)/100, Ni=number of CDs sent to the country i, then X should satisfy the condition

abs(round(Ni) - Ni) <= epsilon

for every i, because every calculated Ni should be close to an integer value.

That way, with epsilon=1e-3 I get: X = 851, already found by other posters, and X = 1,702. No other results have been found allowing the algorithm to run up to 40,000+. The result 5,743 has not been found by the algorithm.

With an higher value for epsilon, 1e-2, I get:

X = 851 X = 1,702 X = 2,553 X = 3,404 X = 4,255 X = 5,106 X = 5,957 X = 6,808 etc.

but the 5,743 value is still not found.

It's also possible to impose a tolerance on the sum of the abs(round(Ni) - Ni) terms so that X should satisfy the following condition:

sigma(abs(round(Ni) - Ni)) <= epsilon, where Ni=X*Pi as above.

That way with epsilon=.01 I get only X = 851. With epsilon=.1 the results are again X = 851 X = 1,702 X = 2,553 X = 3,404 etc.

but the 5,743 value is still not found. Infact sigma(5,743) > 11, so that seems not to be a valid solution at all.

Well, I gave it a try because this problem seems to be a bit tricky, or maybe I'm just out of exercise...

--

Re: Some data on where HP users are
*Message #2 Posted by **Viktor Toth** on 17 Sept 2000, 7:19 a.m.,*
in response to message #1 by Rupert (European Union)

> X should satisfy the condition
>
> abs(round(Ni) - Ni) <= epsilon

No, no, that condition doesn't need to be satisfied at all. Dave calculated his percentages to two decimal digits, regardless of whether your condition is satisfied or not.

What **is** satistied is the following. Let:

K_i=round(X*P_i)
P_i'=round(10000*K_i/X)

then P_i' should equal 10000*P_i **exactly**.

This works for 851 and its integer multiples; the first non-trivial solution that I found is 5743. After that, solutions become more frequent; in fact, according to my calculations that last integer that is **not** a solution is 9939. Starting with 9940, all integers appear to be solutions. All the while, your epsilon can be a very large number, since abs(round(N_i)-N_i) can be anything up to 0.5.

Viktor

Re: Some data on where HP users are

*Message #3 Posted by **Rupert (European Union)** on 18 Sept 2000, 4:13 p.m.,*
in response to message #2 by Viktor Toth

> No, no, that condition doesn't need to be satisfied at > all. Dave calculated his percentages to > two decimal digits, regardless of whether your condition > is satisfied or not.

Thank you for your explanation, but I was not able to make it work. Anyway I don't understand why a valid solution for X shouldn't verify the condition

abs(round(Ni) - Ni) <= epsilon for any i (where Ni=Pi*X).

Even if my previous results were incorrect because of an improper copy&paste so that some percentuals were missing in my data file, 851 and 1,702 are confirmed: with the correct set of data, imposing an epsilon=0.1 my algorithm gives

X = 851 (already found by other posters) X = 1,702 (already found by my algorithm) X = 8,298 X = 9,149

X = 10,000 X = 10,851 X = 11,702 X = 18,298 X = 19,149

X = 20,000 X = 20,851 X = 21,702 X = 28,298 X = 29,149

X = 30,000 X = 30,851 X = 31,702 X = 38,298 X = 39,149

X = 40,000 and so forth.

But the value 5,743 is still missing. :)

--

Re: Some data on where HP users are

*Message #4 Posted by **Viktor Toth** on 18 Sept 2000, 7:18 p.m.,*
in response to message #3 by Rupert (European Union)

Rupert,

Your condition doesn't need to be satisfied because that's not how Dave calculated his percentages. Dave didn't say, "I'll calculate the percentages to as many decimal digits as needed, so that abs(round(N_i) - N_i) <= epsilon"); he simply calculated his percentages to two decimals, regardless of the consequences on precision.

This is best demonstrated through an example. Let's say there were 5743 sales, 230 of which went to Lower Tasmania. The percentage, then, would be 230/5743=4.0049%. But Dave only used two decimal digits, so he calculated 4%. 5743*0.04=229.72, so the difference, epsilon, in this case is 0.28. But Dave didn't care; he didn't add more digits to his percentage figure just to reduce the difference to something nicer, say 0.01. (In this case, he'd have had to use 3 decimal digits in his percentage figure, or 4.005%, to reduce epsilon below 0.28.)

To see this, you can create a spreadsheet with the following:

Let A1=5743 (or whatever other number it is that you're testing).

Let A2..A17 be the various percentages: 0.5546, 0.1022... 0.0012.

Let Bn=ROUND(A1*An,0)

Let Cn=ROUND(Bn/A1,4)

For any number A1 for which An==Cn for all values of n, A1 is a solution. You can also compute A1*An-Bn (this is your epsilon) and see that it can become very high for many valid solutions.

Because of this, your algorithm misses many solutions. All integer multiples of 851 are solutions; so not only 1702 but 2553, 3404, etc. The first non-trivial solution is 5743, but after that, solutions become more frequent; in fact, ALL numbers above 9940 are solutions.

You might consider redefining epsilon as (round(N_i)-N_i)/N_i, but that's too lax a condition, producing many false results. Quite simply, you need to restate the problem; since Dave didn't compute to a specific PRECISION, he only selected an arbitrary

number of digits (not even a specific number of significant digits; 0.12% has only two significant digits, whereas 55.46% has four) so any method that tries to deduce the correct number based on an assumption of the result's precision will by necessity produce misleading results.

Viktor

Re: Some data on where HP users are
*Message #5 Posted by **Rupert** on 20 Sept 2000, 3:52 p.m.,*
in response to message #4 by Viktor Toth

> Because of this, your algorithm misses many solutions. > All integer multiples of 851 are solutions; so not only > 1702 but 2553, 3404, etc.

In fact it is clearly displayed in the sigma(delta(i)) function graphics (they are all points of local minimum). I should have had a look at the graphics before trying to find numerical solutions.

> since Dave didn't compute to a specific PRECISION, > he only selected an arbitrary number of digits (not even a specific number of significant digits; 0.12% has only > two significant digits, whereas 55.46% has four) so any

Thank you again for the explanation. Now I have understood the point.

--

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Oooh, look what I found!
*Message #1 Posted by **Steve (Australia)** on 15 Sept 2000, 5:45 a.m.*

As I was giving myself a birthday treat today (going through my HP collection and cataloging things) I came across a piece of paper that I had not seen before...

HP-41 System Demo

This appears to be the instructions that went along with a tape that was suplied with the 82161A cassette drive.

Whilst I have heard of this before, I've never seen one. And it happens I had one all along. :-D

Now though, I am pining for the tape...

Does anyone have a copy, and the means to duplicate it?

I can provide a new sealed tape, and a copy of the document (4 whole pages!) should you be missing it.

Oh, my age is the product of two prime numbers. The larger is product of the smaller and the square of the next highest prime, less the difference between them. I am not the oldest person on this list.

Re: Oooh, look what I found!
*Message #2 Posted by **Reinhard Breuer (Germany)** on 15 Sept 2000, 8:48 a.m.,*
in response to message #1 by Steve (Australia)

Hi Steve, congratulations to Your -I calculated it with my 41- 35th (right??) birthday.

Can you scan theese 4 pages and send the images to Dave, so that he can publish them? I can also help to put them into one pdf-file which may be published here.

Have a nice birthday.

Reinhard

Re: Oooh, look what I found!
*Message #3 Posted by **Viktor Toth** on 15 Sept 2000, 7:07 p.m.,*
in response to message #2 by Reinhard Breuer (Germany)

I think you're off by one. The correct answer appears to be 34. Then again, I didn't use a calculator (no, no C++ this time either) so I could be wrong :-)

Viktor

...and I don't even drink!
*Message #4 Posted by **Steve (Australia)** on 16 Sept 2000, 12:34 a.m.,*
in response to message #3 by Viktor Toth

Tes, you get top marks for determining the answer to the question, however I get an absolute fail for wording it wrongly. Worse than that, I actually created a spreadsheet to check that there were no other feasible answers, and there is 34 sitting in the age column.

I should have said "plus the difference between them"

so the two prime numbers are

2

and

19 (2*(3^2) + (3-2))

I really should give up this mathematics thing :-(

Re: ...and I don't even drink!
*Message #5 Posted by **Viktor Toth** on 16 Sept 2000, 11:15 a.m.,*
in response to message #4 by Steve (Australia)

Oh, so 38 it is. But who's Tes (assuming it's a name)? :-)

Viktor

Re: Oooh, look what I found!
*Message #6 Posted by **Steve (Australia)** on 15 Sept 2000, 8:50 p.m.,*
in response to message #2 by Reinhard Breuer (Germany)

Yeah, I can scan it -- I'm somewhat surprised it's not there already though. Give me a couple of days...

Oh, and no, I'm not 35. That is not a solution to:

My age is the product of two prime numbers. The larger is product of the smaller and the square of the next highest prime, less the difference between them. I am not the oldest person on this list.

5 and 7 are not the 2 primes since 5*(7^2) - (7-5) <> 7

Birthdays & ages...
*Message #7 Posted by **Andrés C. Rodríguez (Argentina)** on 16 Sept 2000, 5:23 p.m.,*
in response to message #6 by Steve (Australia)

Steve:

We could encode ages as HP models: Your age seems to be the most powerful Spice, and the next year you will have the first Classic.

As per myself, some months ago I upgraded from the most expandable model to a "function set compatible" one (but not expandable); a model currently missed by so many ...

If HP listens to the people posting here, there should be a new RPN model to which my next birthday could be mapped ... :-)

Re: Oooh, look what I found!

*Message #8 Posted by **thibaut.be** on 18 Sept 2000, 4:30 a.m.,*

in response to message #6 by Steve (Australia)

The 2 primes are 2 and 17.

One could be tempted to say it's 2 and 19, but the "difference" between the smaller prime and the next higher prime should be considered as absolute value.

So age is 34.

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Serial number coincidences
*Message #1 Posted by **Steve (Australia)** on 14 Sept 2000, 11:16 p.m.*

I was just looking at the serial numbers for a number of things in my collection, and there are a number of WEIRD coincidences...

HP 82181 X Memory sn8444
HP 82181 X Memory sn8445
HP 82181 X Memory sn8446
HP 82181 X Memory sn8522
HP 82181 X Memory sn8523
HP 82182A Time Module sn2220
HP 82182A Time Module sn2221

I'm sure these serial numbers just refer to year and week of manufacture, rather than being serial numbers per se, but it is interesting that I have so many that for a series, especially the three X Memory modules!

Re: Serial number coincidences
*Message #2 Posted by **db (martinez, california)** on 14 Sept 2000, 11:25 p.m.,*
in response to message #1 by Steve (Australia)

my exmem #'s are 9807 and 8919 and they weren't purchaced at the same place or even the same year. just an other example of the mystery of life.

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Re: HP65 card reader problem
*Message #1 Posted by **john kegan** on 14 Sept 2000, 3:02 p.m.*

Does anyone know where one can find a new roller. Secondly is there a special tool required to remove the roler gear assembly? Thanks!

Re: HP65 card reader problem
*Message #2 Posted by **Matthew Riehl (U.S.A.)** on 15 Sept 2000, 5:39 p.m.,*
in response to message #1 by john kegan

You can replace the roller with standard hardware store O-Rings. I believe that they are .125" I.D. and .250" O.D., but check the "How To" article in the Article Forum on this website for exact dimensions. Just remove the old rubber from the internal metal shaft, clean everthing thoroughly, and put the O-Rings where the original rubber was.

You don't need any special tools, just small screw drivers and maybe a set of needle nose pliers. I did invest in a small set of screw drivers from Radio Shack, just to have some good quality small screw drivers more than anything else.

Matthew Riehl

Re: HP65 card reader problem
*Message #3 Posted by **John Keegan (Canada)** on 21 Sept 2000, 12:39 a.m.,*
in response to message #2 by Matthew Riehl (U.S.A.)

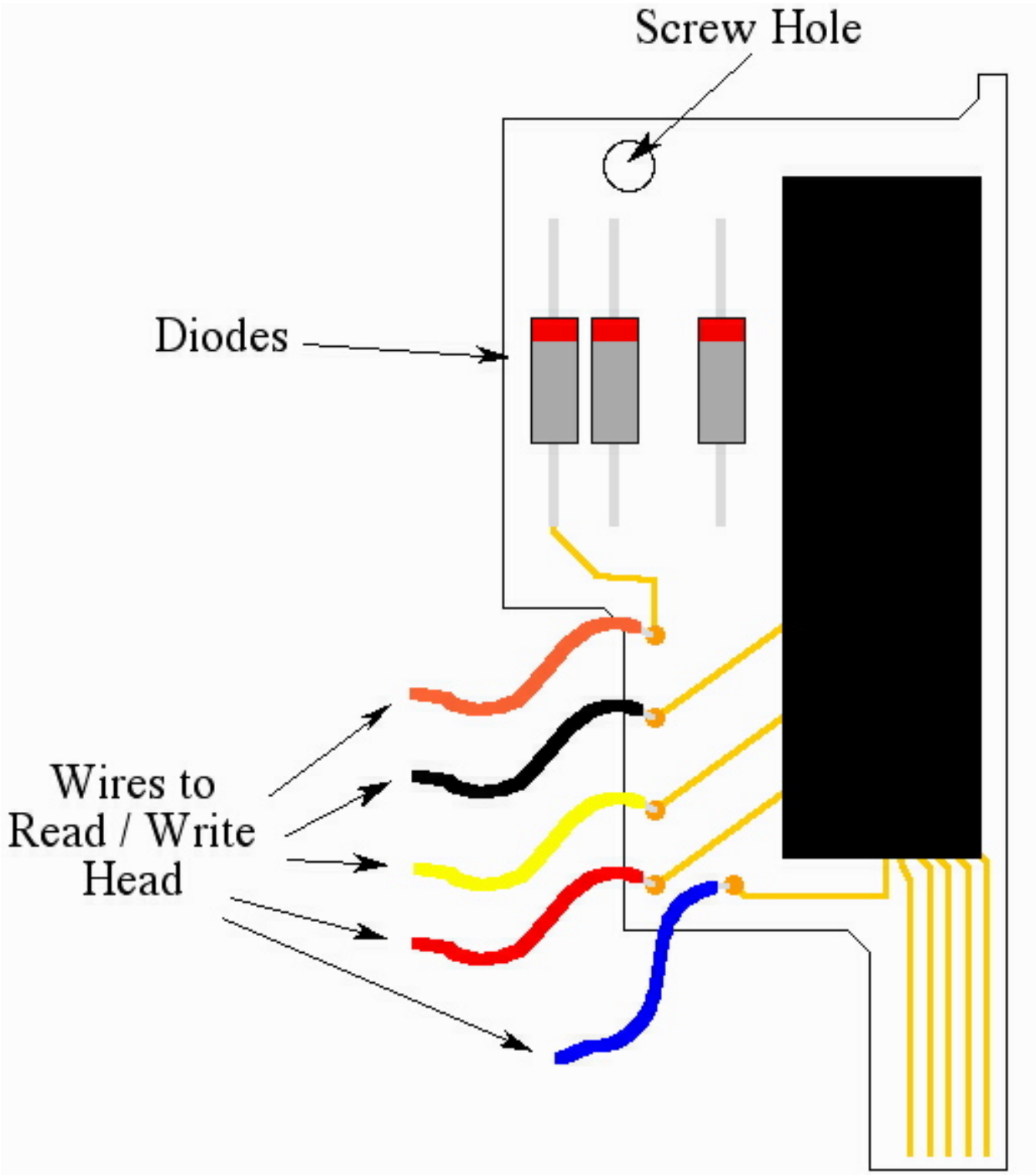
Mathew, Thanks for the info. I have one more question. The red and blue wires that connect to the head and bridge have become disconnected. Do you know which connection point on the bridge for the red and blue wires.

o red or blue o o o o red or blue O B Y r l e a a l n c l g k o e w Thanks again

Re: HP65 card reader problem

*Message #4 Posted by **Matthew Riehl** on 23 Sept 2000, 10:27 p.m.,*
in response to message #3 by John Keegan (Canada)

Here is a drawing of the where the wires from the Read/Write Head attach to the "bridge" circuit board.



Hope this helps.

Matt Riehl

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HP-41CV Won't Power On
*Message #1 Posted by **Philip Elliott** on 14 Sept 2000, 8:06 a.m.*

Sorry to have a similar, but not close enough problem to others on the forum.

I have a HP-41CV that I bought during college with my own funds. I used it until about four years ago. At time I took the batteries out and stored the -41 in its case and away. My children are now getting to the age where they should learn about PRN and stacks. I picked up some new N batteries, cleaned the contacts with a pencil eraser, cleaned up the mess and put the batteries in.

The calculator will not power on. I have tried pressing the keys firmly. I have tried pressing CLX-Enter-On. I have no clue what the problem is. I can say that I know for sure it worked well until it was stored and that it was stored very carefully to preclude shock damage.

The serial number is 2237S43340. If that makes any difference.

Thanks in advance for your help. Philip

Re: HP-41CV Won't Power On
*Message #2 Posted by **Steve (Australia)** on 14 Sept 2000, 9:11 a.m.,*
in response to message #1 by Philip Elliott

Try the following:

1) turn on, press backarrow or shift (display may just contain alpha blanks.

2) press on (wait 10 secs) press backarrow (wait 10 secs) press on (wait 10 secs) press backarrow... (do this a few times)

3) check correct orientation of batteries, new batteries, dirty battery contacts (springs too)

4) press backarow and enter then on, then release all three (a few times) or do this with enter and on. Or do it with R/S pressed (in case you have an auto execute program that does an off).

5) plug in a wand and try reading some bar code. or try plugging in a printer and pressing the print button (then press ON and try it again). Printer will print X register when HP41 is on, even if display is dead (low power or just dead)

6) attach card reader and tr to run a card through it (try again after pressing ON)

7) press ON remove batteries, press ON again, insert batteries press ON, remove batteries...

8) try to do a MEMORY LOST reset on the calculator (backarrow and ON)

9) short battery contacts on the calculator with foil for a few minutes then reinsert batteries and try again

10) take 41 apart and put ot back together again :-) (actually this will do a reset of the calculator too, but you've got to be a little more careful.

Do we need a "my HP41 wont turn on" FAQ?

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41CV+82160A+82166A what to do with?
*Message #1 Posted by **Daniel Aronovitch** on 13 Sept 2000, 9:17 p.m.*

I've an 41CV+X, a 82160A HP-IL module and a 82166A HP-IL converter. Could anyone tell me what and how I could use the two HP-IL units? Could that be used to connect my computer and my 41 ? Any info or suggestions are welcome. Sad to let those 2 units unused. Thanks. Daniel

Re: 41CV+82160A+82166A what to do with?
*Message #2 Posted by **John Robinson** on 14 Sept 2000, 1:50 a.m.,*
in response to message #1 by Daniel Aronovitch

I believe you can't do much with the 82166 unless you have an Extended I/O module, or a HP-IL development module as well.

Re: 41CV+82160A+82166A what to do with?
*Message #3 Posted by **Reinhard Hawel (Austria)** on 14 Sept 2000, 9:17 a.m.,*
in response to message #1 by Daniel Aronovitch

The HP82166 is a so-called GPIO (General Purpose Input/Output) device.

It can be programmed to build a parallel port for connecting a printer or even to read from a parallel port. I did some experiments years ago and a friend of mine wrote an interface software for connecting the 71B with a Commodore Amiga. I should have the listing somewhere and could ask him for permission for making it public.

I remember, that we made some tests using the Amiga as a display and keyboard device for the 71 (via DISPLAY IS and KEYBOARD IS).

Sorry, no real experiences with the 41 series, but I'd also think, you should have an extended I/O module or, better a HP-IL development module.

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For Dave Hicks and others
*Message #1 Posted by **William L. Drylie (third rock from the sun)** on 13 Sept 2000, 8:21 p.m.*

I was cleaning out my basement and computer room, and I was amazed at the boxes of hp25, hp67, and hp 41CX program sheets that I have accumulated over the years. Most of these programs are mathematical and mechanical engineering in nature along with some boiler combustion programs and some hp 67 programs dealing with structural and piping analysis. There are some calculus programs that I translated from TI59 programming to hp41CX programming and embellished them. This was from a published book a few years ago, and I do not know if I am bound by copyright laws not to give out the programs. I need advice. Dave, if you are interested in any of these programs or anyone else, I will take the time to properly document and make a list of them, and make hard copies of the programs with the working examples, record them on magnetic cards and freely distribute them if there is enough interest. I also have programs of the same nature for the hp 15C and hp48SX. Few of these programs are copied from other sources, most written by me which I have used succesfully over the years. If no one is interested, they will be sorted, destroyed or permanently filed. It will take me some time to catalog them properly. Should I post a list or what? Bill.

I'd love to get your programs online
*Message #2 Posted by **Dave Hicks** on 13 Sept 2000, 10:54 p.m.,*
in response to message #1 by William L. Drylie (third rock from the sun)

Is there any chance you could type some in and/or use some of the tools referenced in the articles forum to get them net-ready?

Let's concentrate on the ones that you have clear ownership for first - I'm not sure of the legal status of ports.

If you can't do that, I'll take them for future posting, but that will take longer because I have a stack of programs that I need to type up too ;-)

Re: I'd love to get your programs online
*Message #3 Posted by **William Drylie** on 15 Sept 2000, 10:04 p.m.,*
in response to message #2 by Dave Hicks

Dave,

I will try typing them in for you. As I said before, I still have to sort through them. It is kind of messy, as I have drawings and diagrams with a lot of dialogue as to the programs workings, examples etc. Some of these will have to be redrawn and scanned? I will contact you later as to how I have decided to do this. Also, right now I'm in the middle of a large steam restoration project at the University Of North Dakota, so this may take a little time as my free time is short, but I will do this. Some of the programs I may not deem worthy of posting, but will send you copies and you decide.

My attorney is looking in to the ports and printed programs from old other sources. He thinks we can do those also with no problem or with permission.

I will keep in touch. I have a couple of new programs well documented that I will type in for you soon.

Cheers, Bill

Re: I'd love to get your programs online
*Message #4 Posted by **Dave Hicks** on 17 Sept 2000, 6:48 p.m.,*
in response to message #3 by William Drylie

Thanks Bill. I'm looking forward to seeing them.

Volunteer helper
*Message #5 Posted by **Steve (Australia)** on 14 Sept 2000, 1:01 a.m.,*
in response to message #1 by William L. Drylie (third rock from the sun)

If you have a large quantity and you don't want to do all the work yourself, then maybe you can find volunteers to help.

I'd certainly be able to help in keying programs, (maybe not documenting them).

Yell out if you need a hand.

Re: For Dave Hicks: Volunteer, two.

*Message #6 Posted by **Glynn** on 14 Sept 2000, 4:08 p.m.,*

in response to message #1 by William L. Drylie (third rock from the sun)

Like Steve, I too would be happy to help the Museum archive any program materials from paper into HTML.

It doesn't matter which calculator; it doesn't matter if the program is for calculating the number of toothpicks yielded by a Norwegian-Pine end-table-- if it helps bring together the Program Library to the state we all want it to be (the number-one place we can all point to for ideas, inspiration, as well as solutions), then BY ALL MEANS let's do it.

It's Dave's project to coordinate. I don't want to create any pages he would not like to put up here at the Museum. I would not like to step on other people's contributions, either. Dave may have recommendations to us all regarding style, size, pictures/directories, etc.

But if Dave says your program sheets are something he would like to see re-rendered in HTML: I'll happily take faxes; emailed GIF, TIF, BMP, PDF(Acrobat), XIF(Pagis) attachments; or you can mail me xeroxes (contact Dave Hicks and I'll make sure he has my address). You don't need to (and probably oughtn't) part with your originals, unless Dave has a place to put them.

I am playing right now with that AOLPress HTML editor; a bit disconcerted at its creators lately disavowing its existence, but otherwise happy at how well it seems to work. I think I shall be able to read a program-listing and turn it into a page without difficulty.

I would guess that most programs would be only standalone HTML pages with their documentation included, so getting them back to Dave is just a matter of an email attachment, or FTPing to the Museum site.

Some ISPs are attachment-restrictive; mine has no problem with anything under a meg, so a scan larger than that might need to be sent to me as two or three TIFs... I am trying to anticipate problems with several people getting your boxes of material in some form and making them into Museum format, but mostly, this should be DO-ABLE.

So, anyway, let's get the volunteers and each of us do one or two listings apiece, and see how well it works, and I am sure we can figure out the best way to accomplish this.

Dave, you know that if YOU have a stack to type, I'm happy to help there, too.... I've not written many programs myself, being "mathematically-challenged", but an online archive is a great thing and worth working on, and I'll do what I can to help y'all get it done.

Re: For Dave Hicks: Volunteer, two.
*Message #7 Posted by **db (martinez, california)** on 14 Sept 2000, 11:10 p.m.,*
in response to message #6 by Glynn

this is worth doing. if someone can teach me how; i'll type stuf into HTML.

Re: For Dave Hicks: Volunteer, two.
*Message #8 Posted by **Steve (Australia)** on 15 Sept 2000, 12:39 a.m.,*
in response to message #7 by db (martinez, california)

Umm, I was sort of volunteering to key in HP41 code and then get it into some machine readable format (barcode, cards, tape, disc, LIF file, etc.)

Once code is keyed in, it's almost trivial to capture it and automatically write HTML (if it's even required).

And on that subject, has anyone noticed that the HP site referred to in the article that describes the use of LIF files has vanished.

Re: For Dave Hicks: Volunteer, two. - LIF files
*Message #9 Posted by **Reinhard Hawel (Austria)** on 15 Sept 2000, 2:41 a.m.,*
in response to message #8 by Steve (Australia)

Do you mean this page?

http://ftp.agilent.com/pub/mpusup/pc/index.html

or more specific: this one ?

http://ftp.agilent.com/pub/mpusup/pc/old/lif_over.html

Http to a ftp site may seem strange, but it works.

Re: For Dave Hicks: Volunteer, two.
*Message #10 Posted by **Glynn** on 15 Sept 2000, 8:56 a.m.,*
in response to message #8 by Steve (Australia)

Steve; A great idea, for you to put it in your machine first, test it, then (trivially-- I'll take your word for it) output it into the one format that is halfway reasonable for a site that serves the community of HP calculator users, whether HPIL-equipped or not.

The program listings themselves may have value to me, for instance, as a 33c and a 15c owner, even if I have to manually key in a modified version of the program you've already keyed in on your 41c and stored as a LIF. You see, calculators are kind of related in a way, and while translating a program might be hard, even in some cases impossible, it can sometimes be done if it is documented well in a human-readable way.

I'd like to get a chance to see some of the programs, much as I can with the programs in our current HTML'ed collection.

Maybe a good side-line is to offer, through the Museum, your pre-stored library to other 41c users; the convenience of not having to key it in from a screen might be worth something. But please DO ALSO put it in a form I can learn from, so my poor little un-connected calculators have access to proven routines.

I wish all HP calcs were as expandable and capable as your "loaded" 41c. Even 42s owners I guess would be lost with just a 41c-based LIF library... code-compatible as they are.

Please do't shoot me!!!!
*Message #11 Posted by **Steve (Australia)** on 15 Sept 2000, 9:10 p.m.,*
in response to message #10 by Glynn

Don't shoot me guys!

In response to William L Drylie's post:

> Dave, if you are interested in any of these programs or
> anyone else, I will take the time to properly document
> and make a list of them, and make hard copies of the
> programs with the working examples, record them on
> magnetic cards and freely distribute them if there is

> enough interest.

Note the piece about recording them on magnetic cards? I was offering to assist in keying in some of these programs if William (or anyone else) has a large stack of them.

And Glynn wrote:

I wish all HP calcs were as expandable and capable as your
"loaded" 41c. Even 42s owners I guess would be lost with
just a 41c-based LIF library... code-compatible as they
are.

I'm not arguing against textual representations of the programs!

The main thing is that the programs need to be transcribed correctly. That really means keying them in, running any examples provided, and verifying the results.

It makes sense (to me at least) to then provide the code in as many formats as possible. This is especially true as we cannot assume every HP41 owner has a card reader, a tape drive, a disc drive, a wand, an HP-IL interface, etc. etc. But many may have at least one of them. Naturally, everyone has the ability to enter code by hand, and that is probably the most archival method of all.

Providing code in tape and card forms is probably the hardest, given the relative scarcity of the media. In fact 3 1/2 inch 720K disks aren'y exactly easy to come by either! All the more reason to provide for as many options as we can.

Re: Please do't shoot me!!!!
*Message #12 Posted by **Glynn** on 15 Sept 2000, 11:50 p.m.,*
in response to message #11 by Steve (Australia)

LOL Steve;

No one was ever going to shoot you. We have a much more painful, sadistic and draconian punishment in mind...

Like how about putting you in charge of the media distributions <evil chuckle> ???

;-)

Having machine-readable formats is a good thing...
*Message #13 Posted by **Dave Hicks** on 17 Sept 2000, 6:30 p.m.,*
in response to message #11 by Steve (Australia)

Especially if they are online. Ideally, I'd like to have an HTML page providing the documentation and listing of the program along with one or more "binary formats" also linked off the page. (Using the compiler/ decompiler contributed to the software library, for example.) Dan McDonald's decompiler/bar code maker (#42 in the articles forum might also be used to create barcode gifs than can be downloaded by people with wands.)

Magnetic media is OK as well but I'd like to avoid having that be the main or only method, both for the reasons already mentioned, and because the people doing the distributing my loose interest/get busy/move etc. in the future.

Thanks Glynn
*Message #14 Posted by **Dave Hicks (USA)** on 17 Sept 2000, 6:39 p.m.,*
in response to message #6 by Glynn

I need to start sorting out what I have. I've got a pile of PPC newsletters and permission to post them, but work and summer chores have slowed me down. (My driveway had a small chunk of concrete to repair - at least it looked small - I just got finished with dealing with 1400 lbs. of concrete.)

I'll selecting a few programs I'd like to republish and send them to you - please email me a physical address.

AOL Press is nothing special - but that's what I like about it - it doesn't seem to put anything in the HTML that confuses any browsers. Some HTML editors get much too fancy.

Programs on the way
*Message #15 Posted by **Dave Hicks (USA)** on 17 Sept 2000, 10:42 p.m.,*
in response to message #14 by Dave Hicks (USA)

After posting the message above, I went through my email and saw that you had already sent me your address. I've dug out three programs and I'm mailing them to you tonight.

Thanks!

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Repairing HP-97
*Message #1 Posted by **Jim Lambert** on 13 Sept 2000, 4:55 p.m.*

I recently dug out my old HP-97 which I haven't used since college, and found that the card reader and printer no longer work. I also have to keep it plugged in because the battery no longer holds a charge.

Is there a place I can have it serviced? I live in New York City.

Thanks!

Re: Repairing HP-97
*Message #2 Posted by **Katie Wasserman** on 13 Sept 2000, 11:10 p.m.,*
in response to message #1 by Jim Lambert

Jim,

Assuming that your card reader has the very common problem of a disintegrated traction roller, it's quite fixable and there are documents on-line describing how to do this yourself. (There's one here: http://www.hpmuseum.org/howtohp/howtohp.htm). There are also a few of us who will do that repair for you.

The printer is another story. Depending on the parts that need to be replaced it may not be possible to repair unless you have parts from another calculator to swap for the broken one. A (common?) problem seems to be that one of the driving gears tends to disintegrate with time (like the traction roller). Assuming that this is your problem, I don't know of anyone that has identified a source of replacement parts for this. (I'm working on this myself.)

International Calculator and Computer used to do 97 repairs, but their web site says they're not doing so now (see: http://www.internationalcalculator.com/repairs.html) Quite possibly, your best bet is to buy another 97 on ebay. There are 2 or 3 of these sold almost every week and they seem to go for around $100 if everything works.

-Katie

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Diagnostics Programs
*Message #1 Posted by **Gil Petri (Brasil)** on 13 Sept 2000, 4:13 p.m.*

I just received a nice HP-41CV and I was wondering what kind of diagnostics there are out there (like the one for the hp-97). Do we keep track of these things? I've seen some auto-test keyboard sequences here at MoHPC but a program like the HP-97? Anyone collects them along with the calculators?

Gil Petri.

Re: Diagnostics Programs
*Message #2 Posted by **Thibaut.be** on 13 Sept 2000, 10:45 p.m.,*
in response to message #1 by Gil Petri (Brasil)

Hi,

Unlike several machines there is NO self test or diagnostics programe for the 41CV...

What I usually do when I test such a machine is to do CAT 2 and see if all the programs on RAM and modules list correctly...

Re: Diagnostics Programs
*Message #3 Posted by **Randy Smith (American in Germany)** on 14 Sept 2000, 1:54 a.m.,*
in response to message #1 by Gil Petri (Brasil)

There is a routine on the PPC ROM called "DT" that lights up every segment and indicator in the display. First it lights up the periods and the commas, then lights up everything else. This is as close as I have seen to a diagnostic program that is easily available. However, as you can tell from the description it only works for the display.

Re: Diagnostics Programs

*Message #4 Posted by **Reinhard Hawel (Austria)** on 14 Sept 2000, 9:08 a.m.,*

in response to message #1 by Gil Petri (Brasil)

HP used to have a seperate test unit (a test module which possibly had some additional hardware included). There was no software on magnetic cards.

I know a guy, who owns such a unit and he tested one of my 41s and my card reader. I remember, that he even could measure the speed of the card.

There's the HP41 service manual on one of Dave Hicks CDs. Read this document, if you're interested how to use this module.

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Re: Some navigational changes on the forum
*Message #1 Posted by **Andrés C. Rodríguez (Argentina)** on 13 Sept 2000, 2:54 p.m.*

Dave, the changes are for good, and no bugs were detected by me so far.

It just takes a little time to get used to the differences between the old and new navigation, but it is worth it (and worth your efforts!).

Re: Some navigational changes on the forum
*Message #2 Posted by **Steve (Australia)** on 13 Sept 2000, 7:07 p.m.,*
in response to message #1 by Andrés C. Rodríguez (Argentina)

Yep, I agree. I've had a few "Where am I now?" experiences, but overall it does speed up the reading of long and branching threads.

THX

Re: Some navigational changes on the forum
*Message #3 Posted by **Dave Hicks (USA)** on 13 Sept 2000, 10:56 p.m.,*
in response to message #2 by Steve (Australia)

Thanks Katie, Andrés and Steve.

Dave

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Re: I'm enjoying the analysis too much...
*Message #1 Posted by **Andrés C. Rodríguez (Argentina)** on 13 Sept 2000, 9:58 a.m.*

The "RPN decoration" is a good idea indeed.

And, with respect of the analysis, it makes me think about the experiment for which Robert Millikan was awarded the Nobel prize: To determine the electron charge, looking for the "quantum" that was the minimum common multiplier of the charge amount measured in microscopic oil drops...

(It is not the same, but some paralell may be established... And, since this comment comes from old memories, and improvised translation to English, please accept my apologies for any imprecision, error or wrong wording)

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Re: Some data on where HP users are
*Message #1 Posted by **Viktor Toth** on 13 Sept 2000, 8:51 a.m.*

Well, shame on me indeed. So perhaps I can redeem myself with this HP-42S program that computes the magic number. Admittedly, this program could be optimized (for instance, I bet it could be converted to use only the stack for computations instead of named variables) but hey, it does the job; on an HP-42S in "fast mode", it finds 851 in a little bit more than half an hour :-)

Enjoy!

Viktor

```
00 { 283-Byte Prgm }
01 LBL "PERC"
02 1
03 STO "X"
04 LBL 03
05 0
06 STO "S"
07 RCL "X"
08 .5546
09 XEQ 01
10 STO+ "S"
11 .1022
12 XEQ 01
13 STO+ "S"
14 .04
15 XEQ 01
16 STO+ "S"
17 .0353
18 XEQ 01
19 STO+ "S"
20 .0317
21 XEQ 01
22 STO+ "S"
23 .0235
24 XEQ 01
```

```
25 STO+ "S"
26 .0212
27 XEQ 01
28 STO+ "S"
29 .0165
30 XEQ 01
31 STO+ "S"
32 .0141
33 XEQ 01
34 STO+ "S"
35 .0129
36 XEQ 01
37 STO+ "S"
38 .0082
39 XEQ 01
40 STO+ "S"
41 .0059
42 XEQ 01
43 STO+ "S"
44 .0047
45 XEQ 01
46 STO+ "S"
47 .0035
48 XEQ 01
49 STO+ "S"
50 .0024
51 XEQ 01
52 STO+ "S"
53 .0012
54 XEQ 01
55 RCL+ "S"
56 x=0?
57 GTO 02
58 1
59 STO+ "X"
60 GTO 03
61 LBL 02
62 RCL "X"
63 BEEP
64 RTN
65 LBL 01
66 RCLx "X"
67 LASTx
68 x<>y
69 .5
70 +
71 IP
```

```
72 10000
73 X
74 RCL/ "X"
75 .5
76 +
77 IP
78 x-y
79 10000
80 X
81 -
82 x^2
83 RTN
84 .END.
```

Re: Some data on where HP users are
*Message #2 Posted by **Dave Hicks** on 13 Sept 2000, 10:55 p.m.,*
in response to message #1 by Viktor Toth

Ah! An answer with RPN code - I think this is the best so far.

This may be way too much information
*Message #3 Posted by **Steve (Australia)** on 17 Sept 2000, 11:30 a.m.,*
in response to message #1 by Viktor Toth

OK, I read the RPN solution just before I went to bed. I then decided to see if I could do better. So I sat in bed with a 41CV and came up with this.

It finds the answer (or an answer) in under 5 minutes on a bog standard 41, and the code is far from optimal.

First there;s the setup program:

```
01 LBL "SETUP"
02 .12
03 STO 10     // Reg 10 starts the block of proportions
04 .24
05 STO 11
06 .35
07 STO 12
08 .47
09 STO 13
10 .59
11 STO 14
12 .82
```

```
13 STO 15
14 1.29
15 STO 16
16 1.41
17 STO 17
18 1.65
19 STO 18
20 2.12
21 STO 19
22 2.35
23 STO 20
24 3.17
25 STO 21
26 4
27 STO 22
28 10.22
29 STO 23
30 55.46
31 STO 24


32 LBL "S2"   // OK, so I needed to test some things a few times :-)
33 10.024     // ISG value for data block
34 STO 02     // Reg 2 stores an initial ISG value for the data
35 RCL 10     // get the first value
36 .005
37 +
38 1/X
39 100
40 *
41 INT        // this is the min value the solution could be
42 RCL 10
43 .005
44 -
45 1/X
46 100
47 *
48 INT
49 1
50 +          // and this is the max
51 1 E3       // OK, synthetic line would have been better!
52 /
53 +          // this is an ISG template for possible solutions
54 STO 04     // store the template in Reg 04
55 FIX 2      // we need to round to 2 devimal places
56 END
```

And this is the main program

```
01 LBL "CD?"
02 RCL 04     // get template for possible solutions
03 STO 03     // Store in in Reg 03


04 LBL 01     // Start of routine to check if current value is OK
05 RCL 02     // get template for data registers
06 STO 01     // Reg 01 is our counter


07 LBL 02     // Start of routine to check a data value
08 XEQ 40     // check if current guess works with current data
09 X<>Y?      // test returns Y as data, X as calc value
10 GTO 04     // Failed!  Need to find a working value
11 TONE 9     // signals match of data works with guess
12 ISG 01     // now try next data
13 GTO 02     // loop back to check it
14 R^         // place guess in X
15 BEEP       // Ta-Daaaaa!  it worked!!!
16 STOP       // t-t-t-that's all folks


17 LBL 03     // look at that, a routine that I don't use any more.
18 TONE 0
19 ISG 03
20 GTO 01


21 LBL 05
22 BEEP       // TOTAL Failure
23 CLX        // Place 0 in X
24 STOP


25 LBL 04     // Just increment guess until current data works with it
26 TONE 0     // Tone for failure of a guess
27 ISG 03     // Increment guess
28 GTO 06     // continue the test
29 GTO 05     // run off the end, so this is a failure


30 LBL 06     // check this guess with failed data item
31 XEQ 40     // do the check
```

```
32 X=Y?       // this one OK?
33 GTO 07     // Yep!!!!!
34 GTO 04     // NO, sorry.  Neet to try next guess


35 LBL 07     // Guess is OK for this data
36 TONE 7     // minor success sound
37 GTO 01     // now go back and check ALL the data


38 LBL 40     // check guess against data
39 RCL 03
40 INT        // this is the guess
41 VIEW X     // Show the poor user something other than a goose
42 RCL IND 01 // get data item
43 RCL Y      // get guess
44 RCL Y      // get data
45 *          // about how many CDs?
46 100
47 /
48 .5
49 +
50 INT        // how many CDs?
51 R^         // Guess
52 /          // calculated proportion
53 100
54 *
55 RND        // calculated percentage to 2 dp
65 RTN
```

OK, the idea is that the setup program assumes that the first data value is the smallest, and this percentage represents 1 set of CDs. So it determines a range of possible solutions

The main program loops through the possible solutions (guesses). It checks each data value in turn to see if this guess fits the data. If it's ok for all of them, then you're there, and the program finishes. If any data item fails, then the program keeps incrementing the guess until this data value becomes valid, then it returns to checking ALL the data values.

As I said. All in under 5 minutes. Note also that should the 0.12% represent 2 or more sets, then the routine would fail, but it would not be too hard for the routine to be extended to cater for that possibility too.

OK, as I said, I was in bed when I wrote this. I was so excited that I jumped up and I'm typing this dressed only in my underwear (not a pretty sight). I thank god for my UPS which does a good job of keeping the room warm :-)

What was that joke about middle aged men using the internet in their underwear? (oooh, yuk!)

Like I said -- Too much information :-)

Wow!
*Message #4 Posted by **Dave Hicks (USA)** on 17 Sept 2000, 6:14 p.m.,*
in response to message #3 by Steve (Australia)

Another impressive solution.

Re: This may be way too much information
*Message #5 Posted by **Viktor Toth** on 17 Sept 2000, 10:39 p.m.,*
in response to message #3 by Steve (Australia)

> I then decided to see if I could do better

Well, so can I! :-)

> the setup program [...] determines a range of possible solutions

That's cheating :-)

Now if you'd actually sort the data, find the smallest value, and then worked with that, I'd say that's nice. But assuming that the first one is the smallest? Since the values are hard coded anyway, why not just go ahead and plug in 800 [=int(1/(0.0012+0.00005))] as the starting value of the iteration? After all, that's precisely what your instructions 32-41 under label "S2" accomplish.

> should the 0.12% represent 2 or more sets, then the routine would fail

Well, you don't REALLY need to calculate a maximum value; why not just search until a solution is found? It is easy to see that one will be found, guaranteed (10,000 is a trivial solution.)

Anyway, I have here a somewhat optimized algorithm here that runs in about 4 minutes on a regular speed 42S, starting from 1. If I start from 800, it completes the run in less than 20 seconds.

The same algorithm on a blanknut 41CV runs to completion in less than 20 minutes with a starting value of 1. Starting with 800, the run time is around 1:30.

The beauty of this algorithm is that it doesn't use ANY registers; everything is done in the stack. As you can tell, I am a relative newcomer to RPN (my first RPN machine was an HP-28S a mere 12 years ago), so I fell in love with it even more :-)

> I'm typing this dressed only in my underwear

Er, I'm not sure I really wanted to know that. Let's just say that although this isn't necessarily always the case, I am presently fully clothed; and when I am not, I usually refrain from telling the world :-)

Viktor

```
01 LBL "PERC"
02 CLX          // or: 799
03 ENTER^
04 LBL 02
05 CLX
06 1
07 +
08 ENTER^       // You may insert a VIEW X here
09 ENTER^
10 ENTER^
11.5546
12 XEQ 01
13 X!=0?
14 GTO 02
15 CLX
16 .1022
17 XEQ 01
18 X!=0?
19 GTO 02
20 CLX
21 .04
22 XEQ 01
23 X!=0?
24 GTO 02
25 CLX
26 .0353
27 XEQ 01
28 X!=0?
29 GTO 02
30 CLX
31 .0317
32 XEQ 01
33 X!=0?
34 GTO 02
35 CLX
36 .0235
37 XEQ 01
38 X!=0?
39 GTO 02
40 CLX
41 .0212
```

```
42 XEQ 01
43 X!=0?
44 GTO 02
45 CLX
46 .0165
47 XEQ 01
48 X!=0?
49 GTO 02
50 CLX
51 .0141
52 XEQ 01
53 X!=0?
54 GTO 02
55 CLX
56 .0129
57 XEQ 01
58 X!=0?
59 GTO 02
60 CLX
61 .0082
62 XEQ 01
63 X!=0?
64 GTO 02
65 CLX
66 .0059
67 XEQ 01
68 X!=0?
69 GTO 02
70 CLX
71 .0047
72 XEQ 01
73 X!=0?
74 GTO 02
75 CLX
76 .0035
77 XEQ 01
78 X!=0?
79 GTO 02
80 CLX
81 .0024
82 XEQ 01
83 X!=0?
84 GTO 02
85 CLX
86 .0012
87 XEQ 01
```

```
 88 X!=0?
 89 GTO 02
 90 RDN
 91 BEEP
 92 RTN
 93 LBL 01
 94 X
 95 LASTX
 96 1 E4
 97 X
 98 x<>y
 99 .5
100 +
101 INT
102 1 E4
103 X
104 R^
105 /
106 .5
107 +
108 INT
109 -
110 RTN
111 END
```

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HP 41c Locking Up
*Message #1 Posted by **Art Wong** on 13 Sept 2000, 7:02 a.m.*

Hello all,

As a student, I was one of first HP 41c buyers. It served me faithfully through university and beyond. Now my children are going into middle school and want to introduce them to RPN.

I pulled my unit out added new batteries and it powered up and worked fine for 20 minutes. Then it started to freeze. By freeze, it doesn't respond to key strokes or On/Off switch. I must take the batteries out, wait for 4-8 hrs and try to insert them again. Sometimes it will work for a few minutes but then lock up.

Any suggestions on how to revive this antique.

Thanks, Art

Antique!?!?
*Message #2 Posted by **Steve (Australia)** on 13 Sept 2000, 7:20 p.m.,*
in response to message #1 by Art Wong

Antique!?! You're talking about the finest piece of calculator technology ever developed!

:-)

Some things to try:

1) Are the battery terminals clean? If you removed old and leaking cells, there may be a problem withthe contacts, or perhaps worse inside the calculator.

2) Could the calculator have been dropped? The HP41 is not known as the most rugged calculator, dropping can break the posts that hold the calculator together (and this pressure ensures that connections remain between some of the internal boards (although the earliest

41C's wer a little more rugged in this respect)

3) Does it lock up if you just execute an ON instruction and leave it sitting there? This will prevent it from turning off, and by not touching it, you are not doing things that could cause any problem with broken connections to happen.

4) have you done a MEMORY LOST on the calculator after waiting for 4-8 hours, or just let it start up again.

5) dod you know that you can short across the calculator terminals (not the batteries!) to reduce this 4 to 8 hours to a couple of seconds (or maybe minutes).

6) was it ever taken apart to install (say) a speed up option? if not done properly, then this may have damaged your calculator (the posts maybe if it was overtightened).

What is the serial number of this calculator? If you really did buy it very early on, then you may have an interesting calculator.

Does it have gold balls in the charger hole (for want of a better description)?

Re: Antique!?!?
*Message #3 Posted by **Art Wong** on 13 Sept 2000, 8:19 p.m.,*
in response to message #2 by Steve (Australia)

Hi Steve,

Don't get me wrong I am a BIG fan of the 41c. I wore it proudly on my belt as a prehistoric geek through engineering school and into work. I did more on that calculator than my Apple II computer. Just wish I could bring it back to life.

Yes it has the gold balls as contacts and the serial number is 1939A00407. Don't know if this represents the 407 th unit made.

To all your other questions it is in mint condition; never dropped, never opened, contact were cleaned, did short out the gold balls to shorten the discharge time. In fact I applied foam weather stripping to the sides to provide better grip and on the bottom to even out rough surfaces.

I tried to use it again today and had to plug in and out the battery pack many times before the keys would respond. After a couple of 4-5 calculations it froze again. Battery voltage is

5.92V.

I hope it hasn't died after years inactivity.

Art

Re: Antique!?!?
*Message #4 Posted by **db (martinez, california)** on 13 Sept 2000, 11:13 p.m.,*
in response to message #3 by Art Wong

steve; FMI could you explain #3, that one is new to me, and i am an antique. thanks.

Re: Antique!?!?
*Message #5 Posted by **Steve (Australia)** on 14 Sept 2000, 7:15 a.m.,*
in response to message #4 by db (martinez, california)

OK, the reason I suggested using the ON instruction and leaving the calculator sit there is that the lockups may be caused by the action of pressing the keys twisting the calculator, or somehow moving things internally.

If the calculator is content to sit there without being touched then this is some evidence that the cause is something mechanical. (like broken posts, or a broken wire, etc.)

I would also try to cause the problem by pressing the PRGM, ALPHA, or USER keys firmly, or pressing other keys firmly. Then I would pick up the calculator and see if twisting it causes problems.

If these things DO cause the problem, then I'd pull it apart and look for the common problems...

Oh, and with the serial number 1939A00407 (which means 407th HP41 produced in the 31st week of 1979) there is a possibility that this calculator has ALL bugs. This makes it (potentially) a rather special calculator.

To test this, enter

49
STO 00
SF IND 00

if this results in the BAT annunciator displayed in the display, then you have a bug 3, and that generally indicates you have all bugs.

Bug 3 was removed in the FDE ROM revision that was installed in serial numbers 1936 to 1952, but the older DDE revision exists in some 41C's up to serial number 1940 (1926 is the earliest).

Even if you can't get it to work perfectly, you may find that it will fetch a good price on ebay -- possibly enough to get you a CX.

I purchased a 41C from a guy in Canada quite a while ago that had all the bugs. I found that when it arrived in Australia it had rather obscure symptoms -- none that required removing the batteries for several hours -- but it certainly did turn itself off at odd times. Mine was a rather simple job to fix, and it is now my favorite 41!

Oh, and mine is 1937A002XX -- only 2 weeks younger than the 41 in question. Which rases the question, who has the earliest calculator? I've left you guys more than 11 weeks to beat me by.

Re: Antique!?!?
*Message #6 Posted by **Viktor Toth** on 14 Sept 2000, 8:16 a.m.,*
in response to message #5 by Steve (Australia)

My "allbugs" 41C has serial number 1936A00XXX.

Viktor

Re: Antique!?!?
*Message #7 Posted by **Art Wong** on 15 Sept 2000, 7:40 a.m.,*
in response to message #5 by Steve (Australia)

Tried your bug test and yes the BAT flag came on.

Playing with the unit some more I find if I insert the battery pack just right it will come on for a few minutes before locking up again.

BTW, though I am a Canadian I bought my 41C when visiting relatives in San Francisco. My original intention was to buy a 29C but was blown away with this LCD, alphanumeric, expandable portable computer. I ended up getting my cousin to drive me 3 hours to a store which had one in stock.

Art

Springs?
*Message #8 Posted by **Steve (Australia)** on 15 Sept 2000, 10:28 p.m.,*
in response to message #7 by Art Wong

Glad to see it's got bug 3!

If you think that the problem is the batteries, then check the following:

1) that the contacts really are clean in the calculator. Nice shiny gold is the good colour :-)

2) that the batteries themselves are clean. Unusual in new batteries, but you might try rubbing both ends of the cells vigorously with a dry cloth (on your jeans?).

3) A more significant possibility is that the springs on the battery pack are dirty or compressed. Make sure they're nice and shiny and extend almost a third of the way up the cavity. When you place batteries in the pack, they should be forced out of the pack by about 3 or 4 mm.

However, although I'd like to think that the problem is this simple, it is possible that it's a red herring. Movement and flexing of the calculator as you insert and remove the batteries may be moving something else that is the actual cause.

Good luck!

Re: Antique!?!?
*Message #9 Posted by **Gianmaria (Italy)** on 17 Sept 2000, 3:29 a.m.,*
in response to message #5 by Steve (Australia)

Steve, just to reply you I have a clean and perfect 41C with 1932A000453.

It's complete with box and all manuals, I bought on Ebay a couple of months ago for less than $40 as broken calculator, I only cleaned it and replaced cell with another fresh and then I enjoy myself with the BAT annunciator pop-up...

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Re: Are we getting nuts?
*Message #1 Posted by **Glynn (USA)** on 13 Sept 2000, 5:55 a.m.*

Dang! Ya mean I got outbid??? :-) I'll never go on vacation again....

I have heard there is software that you can use on eBay to put in bids for you, that work in the last few minutes of an auction to determine the current ceiling and then bid a few bucks above that... in which case it could get very expensive if you are preceded by a nut.

Another theory of mine comes from the blurb on someone's auction of a few months back. It was on an oscilloscope I bid on (HP, of COURSE). The reserve was set awfully high, and in his defense, the seller offered: "A similar oscilloscope sold here on eBay a few weeks back for $XXXX", to which I thought: yeah, you sold it to yourself to justify what you want on THIS auction... but I have never sold on eBay so I am not sure if this ploy is a usable one.

Last theory (*a longshot*) is that, known only to a few collectors, S/N 2538A16029 (Made in USA) happens to be the VERY calculator President Reagan used at Reykjavik to determine that he needed to back out of the disarmament talks and pursue SDI. The little scratch on the calculator is a result of the President trying to shield his face from an overzealous TV photographer's lens.

Hey, it could happen... but then, it may also just be a case of an inexperienced eBayer with "auction fever".

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