

EduCALC GOODIES DISK #7

HP 48 Public Domain Software & Shareware

Collected and Annotated by Joseph K. Horn

1,107,367 Bytes in 281 Files on Volume HORN7

Root Directory of HORN7:			
Filename.ext	Bytes	Description	Author(s)
!readme!.doc	5,735	HORN7 Disk Overview - Read Me First	-jkh-
about .doc	3,213	Poop Sheet about Goodies Disk #7	-jkh-
credits .doc	948	Goodies Disks' Credits Corrections	-jkh-
descript.ion	1,086	File descriptions for 4DOS users	-jkh-
fetch .bat	27	Global Goodies Disks File Finder	-jkh-
fetch .btm	128	... FETCH for 4DOS users	
fetch .doc	2,551	... FETCH documentation	
fileinfo.fi	2,139	File comments for Norton FI owners	-jkh-
fileinfo.src	17,518	Table of Contents of Goodies Disk 7	-jkh-
gd7 .idx	38,262	Global Goodies Disks Index #1 - #7	Stephen J Thomas
gd7 .doc	3,416	... GD7.IDX documentation	
send .bat	291	Condolence Message to non-4DOS folk	-jkh-
send .btm	85	Automated Disk-to-48 for 4DOS users	-jkh-
send .doc	1,770	... SEND documentation	
support .doc	1,444	EduCALC "Goodies" Customer Support	-jkh-

Directory	Description
AMIGA	Commodore Amiga utilities
FRANCE	Goodies from Paris, France
GAMES	Interactive Video Games
GROBS	HP 48 Graphic Objects
HACKER	Goodies for HP 48 Hackers
MATH	Mathematical Utilities
POSTINGS	Text-only Articles from HP's BBS
PROGRAMR	Goodies for HP 48 Programmers
TUNES	Amusing try'em-once melodies
UTILS	Heavy Utilities for HP 48 Users
WORK	Real-World, Useful, Non-Silly Stuff

Directory of HORN7:TUNES - Amusing try'em-once melodies			
Filename.ext	Bytes	Description	Author(s)
bach	25,089	Concerto in E Major (10 Minutes!)	Lee Lightfoot & J.S. Bach
bach .doc	1,855	... BACH documentation	
bach .src	12,830	... BACH source code	
green .src	260	Greensleeves (MZIP Input Example)	Jonathan T Higa
music	2,718	4 Tunes Ported from HP-28	Stephan Zuercher
music .doc	581	... MUSIC documentation	
mzik	1,645	BASIC-to-HP48 Music Translator	Jonathan T Higa
mzik .doc	3,101	... MZIP documentation	
mzik .src	2,274	... MZIP source code	

Directory of HORN7:AMIGA - Commodore Amiga utilities			
Filename.ext	Bytes	Description	Author(s)
amiga .doc	1,546	... doc for all 3 Amiga utilities	Danny Finocchiaro Danny Finocchiaro Danny Finocchiaro
asc2bin .ami	10,764	Convert ASC file -> binary format	
grobber .ami	16,236	Convert IFF ILBM -> GROB	
sgrobber.ami	10,624	Convert GROB -> IFF GROB	

Directory of HORN7:FRANCE - Goodies from Paris, France			
Filename.ext	Bytes	Description	Author(s)
!france!.doc	860	Notes about the FRANCE directory	-jkh-
asm .lib	4,126	ASM Library 0.0	??
circle	481	Fast circle plotter	??
com	2,069	48 <-> 48 communicator	??
crram	48	Card-to-RAM copier	??
debug .lib	10,549	HP UnAssembler	Christian Bourgeois
dlplus .lib	5,035	Destroy Library + (LIB->DIR)	Christophe Dietrich
fastlink.lib	2,381	Another turbo send/receive	Elendril
files .doc	2,322	FRANCE directory documentation	??
hptris	7,640	Tetris video game	??
lib1795 .lib	1,025	Assorted Programmers' Tools	??
libmkr3 .lib	5,966	Library Maker + (DIR->LIB)	Christian Bourgeois
pacm .lib	6,222	PACMAN video game, BOUHP Version	??
send1	126	SEND a Library Directly from Stack	??
tlbox .lib	4,239	Assorted Programmers' Tools	Dominique Moiescu
tools	3,915	Assorted Programmers' Tools	??
tron .lib	8,696	TRON video game	Christophe Nguyen
xpub .lib	143	Configs Aborter (library stun gun)	??

Directory of HORN7:POSTINGS - Text-only Articles from HP's BBS			
Filename.ext	Bytes	Description	Author(s)
airplane.doc	2,469	The Learning Curve Climb Ain't Easy	Joe Horn-
apply .doc	638	Create 'F(x)' from F and x on Stack	William C Wickes
badbatch.doc	922	Beware Bad Batch of HP 48 LCD's	Greg Sanker
cardfix .doc	1,608	Turn Smith-Corona RAM into 48 RAM	Robin Getz
fullpath.doc	3,916	Execute Var in Other Path & Return	David J Fred et al.
goto .doc	1,452	Sys-RPL 'GOTO' Command Explained	Joe Horn
grobbbug .doc	1,356	Beware GROB 2^20 --> Memory Clear!	John Paul Morrison
hplunch .doc	5,969	Lunch, The HP Way (hilarious!)	S Harrison & N Magee
iotest .doc	2,394	How to Test the 48's Serial I/O	Ray Depew
kangaroo.doc	913	HP-75 Internal Docs, One More Time	"Roo-man and Joey" (HP)
ndupn .doc	1,565	Error in RPLMAN.DOC, Goodies Disk #4	James H Cloos
notabug .doc	1,648	Use XROOT for Roots, Y^X for Powers	Joe Horn
notabug2.doc	1,419	Unit Powers Must Be Reasonably Small	Erik Naggum
radio .doc	1,610	Calcu-Radio... Silly, or Prophetic?	Eric Postpischil
vectored.doc	1,903	All About "Vectored ENTER"	William C Wickes
whybuy48.doc	6,220	Two Users Tell Why They Bought a 48	Kevin Jessup & Ray Depew

Directory of HORN7:GAMES - Interactive Video Games			
Filename.ext	Bytes	Description	Author(s)
bio	251	Tiny Biorythm Calculator	Joseph K Horn
bio .doc	1,270	... BIO documentation	
bio .src	901	... BIO source code + comments	
biorythm.doc	2,417	Doc for BIORYTHM on Goodies Disk #1	Scotty Thompson
bomber	3,377	Save Your City from Getting Nuked!	??
bomber .doc	658	... BOMBER documentation	
cargame	5,126	Drive Ferrari on Wrong Side of Hwy	Jonas Lindstedt
cargame .doc	846	... CARGAME documentation	
cargame .src	5,836	... CARGAME source code	
csinodmo.lib	13,527	Demo of Casino Games Plus package	Brian Maguire
csinodmo.doc	4,209	... CSINODMO.LIB documentation	
m4 .lib	2,194	4-column, 6-color MasterMind	Philippe Colbach
m5 .lib	2,118	5-column, 8-color MasterMind	Philippe Colbach
m45 .lib	4,414	Both MasterMinds in one library	Philippe Colbach
m45 .doc	1,097	... M4, M5, &M45 documentation	
more .doc	147	See FRANCE directory for more games	-jkh-
pacman	8,306	Great PACMAN, better than GameBoy!	Christophe de Dinechin
pacman .doc	1,998	... PACMAN documentation	
poker	4,666	Video Poker with Big Graphics	Mauro Sgarban
poker .doc	944	... POKER documentation	
poker .src	6,688	... POKER source code	
poker1 .lib	10,174	Another Video Poker	John D Donat
poker1 .doc	424	... POKER1.LIB documentation	
reversi .lib	3,790	Erik's Reversi (aka Othello)	Erik Bryntse
reversi .doc	2,771	... REVERSI.LIB documentation	
smm2	3,445	Super MasterMind (5 column, 8 color)	Ingmar Stromback
smm2 .doc	3,649	... SMM2 documentation	
tetras	1,878	The Smallest Tetris! and good, too!	?? Somebody at HP?
tetras .doc	1,489	... TETRAS documentation	
ufo	269	The Classic Video Game of UFO	L Vieweg & S Dunham
ufo .doc	2,141	... UFO documentation	
wheel	7,009	Wheel of Fortune + 101 puzzles	Jason Christopher Emery
wheel .doc	781	... WHEEL documentation	
wumpus	4,005	Hunt The Wumpus (oldie but goodie)	Jason Christopher Emery
wumpus .doc	1,487	... WUMPUS documentation	

Directory of HORN7:GROBS - HP 48 Graphic Objects			
Filename.ext	Bytes	Description	Author(s)
cdemo	4,356	Color Demo (Gray Scale on LCD!)	Lutz Vieweg
cdemo .doc	1,318	... CDEMO documentation	
dino .gro	1,106	Full-Screen T. Rex Dinosaur	??
dino .doc	81	... DINO documentation	
doors .gro	1,106	The Doors (Morrison et al.) logo	Nick Bell
doors .doc	84	... DOORS documentation	
rush .gro	1,106	Rush's "Roll The Bones" album logo	James McCallion
rush .doc	88	... RUSH documentation	
vanhalen.gro	1,106	Van Halen's logo	Nick Bell
vanhalen.doc	56	... VANHALEN documentation	
xmas .gro	882	Christmas Card style Scene & Message	John Beimler
xmas .doc	263	... XMAS documentation	

Directory of HORN7:HACKER - Goodies for HP 48 Hackers			
Filename.ext	Bytes	Description	Author(s)
bit	334	Set/Clear/Test Any Bit in Any HXS	Brian Maguire
bit .doc	1,459	... BIT documentation	
in .doc	861	Saturn IN Bug and Workaround	Jan Brittonson
mkey	557	"Temporary Directory" Example	John Paul Morrison
mkey .doc	2,104	... MKEY documentation	
mkey .src	1,190	... MKEY source code	
mkhxs	36	Make Any Length HXS of All Zeros	Joseph K Horn
mkhxs .doc	576	... MKHXS documentation/source code	
mlinput .doc	39,894	All About Keyboard Input from ML	Joe Ervin
notfound.doc	8,073	System-RPL Words Not Yet Figured Out	Jake Schwartz
shadow	230	Map RAM Card Over ROM & Rewrite OS!	Jan Brittonson
shadow .doc	10,679	... SHADOW documentation	
take	721	Add/Remove TakeOver for Assignments	Brian Maguire
take .doc	2,550	... TAKE documentation	
ucat .doc	704	Use Internal Catalog as a Browser	Jan Brittonson

Directory of HORN7:MATH - Mathematical Utilities			
Filename.ext	Bytes	Description	Author(s)
argus302	15,247	Error Equation Analysis, ver 3.02	Volker Erb
argus302.doc	4,936	... ARGUS302 documentation	
argus302.src	19,316	... ARGUS302 source code	
cmat	1,286	Matrix Column Operations	Wes Hubert
cmat .doc	4,000	... CMAT documentation	
cmat .src	4,298	... CMAT source code + comments	
fft	2,223	Super-Fast Fourier Transform in ML	Ken Cooke
fft .doc	2,231	... FFT documentation	
fft .src	29,259	... FFT source code + comments	
fracii .lib	2,199	Fraction Library	Romain Desplats
fracii .doc	2,346	... FRACII.LIB documentation	
mtxii .lib	1,820	Symbolic Matrix Library	Romain Desplats
mtxii .doc	1,131	... MTXII.LIB documentation	
nyquist .doc	870	Do Nyquist using Parametric Plot	Erin S Catto
poly	2,917	Polynomial Toolkit, ver 3.2	Wayne Scott
poly .doc	5,451	... POLY documentation + examples	
poly .src	5,290	... POLY source code	
polyfit	1,841	Least Squares Best-Fit Polynomial	Stefano Oss
polyfit .doc	1,600	... POLYFIT documentation	
polyfit .src	2,029	... POLYFIT source code	
proot	2,963	Super-Fast Polynomial Roots Finder	Bill Wickes & HP-71 Math ROM
proot .doc	2,034	... PROOT documentation	
proot .s	23,755	... PROOT source code	
simplex	1,819	Linear Programming "Simplex Method"	George Chow
simplex .doc	6,330	... SIMPLEX documentation + examples	
vectprob	674	Vector Probability Tools	James H Cloos
vectprob.doc	1,163	... VECTPROB documentation	
vectprob.src	1,005	... VECTPROB source code	
weight	82	Simple Weighted MEAN and SDEV	Joe Horn-
weight .doc	3,320	... WEIGHT doc, s.code, & examples	

Directory of HORN7:UTILS - Heavy Utilities for HP 48 Users

Filename.ext	Bytes	Description	Author(s)
48 .com	8,291	VGA Display Font like HP48 LCD font	Stephen J Thomas
48b .com	8,291	Bold Version of 48.COM	Joe Horn
48 .doc	921	... 48.COM documentation	
autoboot.lib	134	Reboots (warmstarts) Every Power-Up	Dave Marsh
autoport.lib	99	Runs &:AUTOEXEC at Every Warmstart	Joe Horn
autostrt.lib	133	Runs AUTOEXEC at Every Warmstart	Dave Marsh
autostrt.doc	1,564	... AUTOBOOT/PORT/STRT documentation	
codelock.lib	1,940	Lock Your HP48 with 5-Key Password	Scotty Thompson
codelock.doc	4,595	... CODELOCK.LIB documentation	
gateway .lib	2,200	Improved Password System, ver 2.8	Erik Bryntse
gateway .doc	5,741	... GATEWAY.LIB documentation	
hp48larg.ps	9,217	PostScript (printer) Font like HP48	Poul-Henning Kamp
hp48larg.doc	1,335	... HP48LARG.PS documentation	
hstack .lib	710	"Hyper-Stack" Improved Stack Display	Conrad Winchester
hstack .doc	2,576	... HSTACK.LIB documentation	
italiano.lib	4,027	Message Table Translator: Italian	Simone A Rapisarda
italiano.doc	3,269	... ITALIANO.LIB documentation	
lpln	8,813	Little Black Book (Organizer)	Matthew C Mead
lpln .doc	1,181	... LPLN documentation	
paint .lib	5,011	GROB Creator & Editor	Brian Maguire
paint .doc	9,770	... PAINT.LIB documentation	
plt3d	3,026	Another 3-D Surface Plotter	Dave Jansen
plt3d .doc	2,641	... PLT3D documentation	
plt3d .src	3,077	... PLT3D source code	
psnd	164	SEND Objects Directly From A Port	Brian Maguire
psnd .doc	1,422	... PSND documentation	
remote3	259	Improved Universal Remote Control	Detlef Mueller
remote3 .doc	2,273	... REMOTE3 documentation	
remote4	872	New Remote Control Sampling Method	Steve VanDevender
remote4 .doc	5,407	... REMOTE4 documentation	
rf1	1,970	Improved RF (Object Packer/Unpacker)	Jason Alan Grant
rf1 .doc	2,765	... RF1 documentation	
smtk .lib	3,399	SmartKeys, Great USER-mode Toolkit	Simone A Rapisarda
smtk .doc	41,256	... SMTK documentation + examples	
stk5	504	Five-Level Stack with Clean Exit	Brian Maguire
stk7	539	Seven-Level Stack with Clean Exit	Brian Maguire
stk5 7 .doc	1,607	... STK5 and STK7 documentation	
tasc .exe	16,174	Turbo ->ASC and ASC-> on your PC!	Jonathan T Higa
tasc .doc	4,133	... TASC.EXE documentation	
tasc .c	12,334	... TASC.EXE source code + comments	
todo	6,647	To-Do List Manager	John Diamant
todo .doc	20,621	... TODO documentation	
utils	1,173	Eleven Tiny Assorted Routines	John Paul Morrison
utils .doc	3,044	... UTILS documentation	
vga2grob.exe	7,263	VGA display -> HP48 GROB Grabber	Mallet Vincent
vga2grob.doc	3,196	... VGA2GROB.EXE documentation	
xpurge	120	Fast & Safe Replacement for PGDIR	William C Wickes
xpurge .doc	2,825	... XPURGE documentation + saga	
xymodem .lib	3,380	Full Xmodem & Ymodem I/O !!!	E Westphal & M Alou
xymodem .doc	6,804	... XYMODEM.LIB documentation	

Directory of HORN7:PROGRAMR - Goodies for HP 48 Programmers			
Filename.ext	Bytes	Description	Author(s)
alrttgl	52	Alert Annunciator Toggle	Brian Maguire
alrttgl .doc	1,239	... ALRTTGL documentation	
ccat	1,238	Character-Set Catalog (CHR Browser)	Raymond Hellstern
ccat .doc	2,218	... CCAT documentation	
config	24	Reset End-of-Port Marker (w/ BANKN)	Dave Marsh
config .doc	678	... CONFIG documentation	
config .s	130	... CONFIG source code	
echr2 .lib	6,418	Extended Character Library, ver 2	Scotty Thompson
echr2 .doc	3,410	... ECHR2.LIB documentation	
echrrun	21	... ECHR2.LIB Launcher	
fcats	2,951	Flag Catalog with Descriptions	Raymond Hellstern
fcats .doc	2,612	... FCAT documentation	
hsto	150	Hidden-Directory STO/RCL/PURGE/VARS	James H Cloos
hsto .doc	4,166	... HSTO documentation	
hsto .rpl	410	... HSTO source code	
istk	1,013	Programmable Interactive Stack	Brian Maguire
istk .doc	4,450	... ISTK documentation	
krpt	98	Hold Key Down for Key Repeat Action	Brian Maguire
krpt .doc	1,128	... KRPT documentation	
tiocat	1,121	Complete I/O Translation Catalog	Brian Maguire
tiocat .doc	2,189	... TIOCAT documentation	
ucase	79	Uppercases all "a" through "z"	Brian Maguire
ucase .doc	1,589	... UCASE documentation	
vsrch	95	Searches Current Directory for Var	Brian Maguire
vsrch .doc	1,816	... VSRCH documentation	

CUSTOMER SUPPORT POLICIES FOR EDUCALC PD GOODIES DISK #7

1. The EduCALC Goodies Disks have been "successful" beyond my wildest dreams. Over 7,000 copies have sold. This is good news and bad news. It's good because it means that many people appreciate good PD software. The cross-pollination of ideas will result in even better software. But it's bad because it means that there are thousands of people with thousands of new questions. And they sometimes expect me to answer them. I can't. I make no money off this project. It's my hobby. If you send me a stamped, self-addressed postcard and make it REAL EASY for me to answer, then I might be tempted to oblige. But if it costs me any money, or isn't fun, please don't expect any WordPerfect-style 24-hour 800-number support.
2. The files on this disk are not guaranteed in any way. Use at your own risk. EduCALC copies and sells these disks as a service, not as a product, and does not offer customer support for them in any way. All e-mail to me at the email address below will be answered. Do not ask me how to use these programs; read the .DOC files, and then you'll know more than I do.

Thank you for your HP 48 enthusiasm. Let's keep this PD concept going!

- - - Joseph K. Horn

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Directory of HORN7:WORK - Real-World, Useful, Non-Silly Stuff			
Filename.ext	Bytes	Description	Author(s)
analemma	2,859	Date -> Sun's Position on Earth	Craig A Finseth
analemma.doc	9,429	... ANALEMMA documentation	
analemma.src	2,896	... ANALEMMA source code	
bodelib .lib	3,035	More Complete Bode/Black Plotter	Romain Desplats
bodelib .doc	1,044	... BODELIB.LIB documentation	
bond	4,171	Bond Pricing Calculation Package	Chris Tham
bond .doc	9,772	... BOND documentation + examples	
bond .src	3,835	... BOND source code	
csim261	10,356	Improved Circuit Simulator ver 2.61	Per Stenius
csim261 .doc	27,481	... CSIM261 documentation + examples	
csim261 .src	15,630	... CSIM261 source code + comments	
currency	7,033	"Flag-Based" Currency Converter	Jeremy Smith
currency.doc	4,373	... CURRENCY documentation	
currency.src	8,823	... CURRENCY source code	
das	4,640	cf. Corvallis Conference Proceedings	Robert Bellman, Jr.
das .doc	300	... DAS documentation pointer	
das .src	6,554	... DAS source code	
fxprices	1,301	Foreign Exchange Market Tools	Chris Tham
fxprices.doc	10,595	... FXPRICES documentation/examples	
fxprices.src	1,547	... FXPRICES source code	
inb .lib	2,942	Information NoteBook (like Rolodex)	Poul-Henning Kamp
inb .doc	4,356	... INB.LIB documentation	
quantum	1,221	Three Programs for Quantum Physics	Paul Edgar Raines
quantum .doc	794	... QUANTUM documentation	
quantum .src	5,091	... QUANTUM source code + comments	
roldx32	10,297	Improved Rolodex, version 3.2	James Weisbin
roldx32 .doc	13,822	... ROLDX32 documentation	
twoport .lib	4,915	Two-Port Utilities Package	Romain Desplats
twoport .doc	890	... TWOPORT.LIB documentation	

!README!.DOC - HORN7 disk of HP 48 software - August 19, 1992
Collected & annotated by Joseph K. Horn, aka [-jkh-].

Mini-instructions: NEW on this Goodies Disk are the "Mini-instructions" at the beginning of each program's DOC file. They are NOT the complete instructions, but just a dehydrated description of how to launch the program and use its basic functions. Read each DOC for complete details.

Other new features on this disk:

- Complete Index of Goodies Disks #1 through #7 (GD7.IDX)
- Global Goodies-Disks File-Finder by name, keyword, or author (FETCH)
- Point-and-Click PC-to-48 file sender (SEND)

Please read all of this little document. Most commonly asked questions are answered here.

This is Joe Horn's personal collection of favorite HP 48 goodies, disk #7. It contains many excellent programs by many excellent programmers. Most of these files were downloaded from HP's Corvallis bulletin board system.

The files are contained in subject-oriented subdirectories. List FILEINFO.SRC for a complete listing of all the files and a brief description of each. The Norton FI utility was used to "attach" these descriptions onto every file and subdirectory on the disk; if you own FI, you will enjoy using it with the Goodies Disks. FI will also display the author's name if you use the /L switch. If you are a 4DOS user, you can automatically see file descriptions with DIR, but the authors' names will not be displayed (see 4DOS note below).

Note: Everything on this disk is either freeware or shareware.
If you use the shareware, please register as instructed.
PLEASE DO give copies of this disk to everybody!
(But if you do, please don't change the contents.)

FILENAME EXTENSIONS

BINARIES	
*.	(no extension) = raw binary downloadable HP 48 object.
*.GRO	HP 48 Graphics Object (GROB) in binary format.
*.LIB	HP 48 Library in binary format (load, store in a port, & purge).
*.RFD	HP 48 Directory containing auto-uncompressing objects.
DOCUMENTATION	
*.DOC	Documentation for HP 48 file, or an article in plain ASCII text.
HP SOURCE CODE	
*.SRC	HP 48 Source Code (User RPL) in downloadable ASCII format.
*.S	HP 48 Source Code (System RPL / Assembly) in HP RPLCOMP format.
*.RPL	HP 48 Source Code (System RPL / Assembly) in Maguire SRPL format.
PC ONLY	
*.BAT	IBM PC batch file; not for HP 48, Macintosh, Amiga, etc.
*.BTM	IBM PC batch file for users of 4DOS only. (see note below)
*.EXE	IBM PC executable; not for HP 48, Macintosh, Amiga, etc.
*.COM	IBM PC executable; not for HP 48, Macintosh, Amiga, etc.
*.C	C Source Code (for a DOS executable; not for HP 48).
*.PS	PostScript softfont to download to a PS-able printer.
*.IDX	Index File (Special case for GD7.IDX; see GD7.DOC).

[Note: 4DOS is not the same as DOS 4; 4DOS is a shareware COMMAND.COM substitute. It is a registered trademark of JP Software, Inc. It makes DOS act the way you've always wanted it to. If you don't have it, get it! On the other hand, MS DOS version 4 (called DOS 4) sucks. If you have it, upgrade to DOS 5 immediately!]

Files with the same name before the extension are all related. For example, FRED would be a downloadable binary; FRED.SRC would be its source code (possibly commented); FRED.DOC would be its documentation; etc. To copy a file into the HP 48, you MUST specify the entire name; e.g. "FRED.LIB".

Previous Goodies Disks included .ASC files for non-listable programs. This is no longer necessary; see TASC.DOC on this disk. Ditto for GROB .SRC files.

All listable files have their authors' names somewhere in the first few lines. If I couldn't figure out who wrote it, it'll say "By ?". I have tried to provide documentation of some sort for every file on this disk. If you know who wrote a file "by ?", please let me know so that proper credit may be given. See CREDITS.DOC for credit updates.

Apologies to those whose files I accidentally mangled during editing, or miscredited. Warm thanks to all authors whose works lurk herein. Good job!

These files are not guaranteed in any way; use at your own risk.
For EduCALC Goodies Disk Customer Support, see SUPPORT.DOC on this disk.

--- Joseph K. Horn
Email: akcs.joehorn@hpcvbbs.cv.hp.com
Snail: 19292 EL TORO ROAD / SILVERADO, CA 92676-9801 (USA)

1. Official Name: "HP 48 Goodies Disk, Vol. 7".
2. Diskette Volume Label: "HORN7"
3. Ordering Information:

Stock #GD7A (5.25-inch high-density mini-floppy), \$4.95
Stock #GD7B (3.5-inch high-density micro-floppy), \$4.95
(Note: This is EduCALC's cost; they make no money off these)

Shipping: \$2.00 (maximum, no matter how many items you order).

EduCALC
27953 Cabot Road
Laguna Niguel, CA 92677 U.S.A.

4. Copyright: None. You are free to copy any or all of the files on this disk for any purpose and for anybody you wish. Copies called "Goodies Disks" should be exact duplicates, however, without additions, deletions, or changes. If it's not a real Goodies Disk, call it something else.
5. Shareware: Some of these programs are called "shareware" by their authors. This means that they encourage you to "test drive" their programs first, and then if you like them and continue to use them, to send in the suggested "registration fee". Failure to do so is Uncool.
6. Diskette file recovery: This disk is doubly protected against accidental loss of contents. Several hidden files on the disk allow the full use of MS-DOS 5.0's UNDELETE and UNFORMAT commands. For those without DOS 5.0, Norton's equivalent QU and FR utilities are also supported.
7. Diskette optimization: The contents of this disk are 100% unfragmented. Golden Bow Systems' VOPT and Norton's SD are used to optimize the disk for speedy access. Copies of this disk which are made by the COPY or XCOPY commands (or shell equivalents) will lose this optimization. To avoid this loss, only copy the disk with DISKCOPY (or other bitcopier).
8. Viruses: This diskette was verified as DOS-virus-free by Microcom's Virex, and as HP48-virus-free by Brian Maguire's VACCINE.1, and will remain virus free as long as you keep it write-protected.
9. Directories: DIR produces alphabetized file listings, even if you don't have 4DOS or DOS 5.0, since the directories are sorted using Golden Bow Systems' VDS and Norton's DS. Each directory contains no more than 53 files, to avoid bothering people who have a Sparcom Drive95 with its pathetic directory bug that Sparcom knew about and decided not to fix nor to tell anybody about.
10. File Comments: Norton's FI (File Info) was used to attach a brief description of each file to every directory entry. Owners of FI can use it to show these descriptions. If used with the /L switch, it will show the authors' names as well. If you don't have FI, you can list all the file comments by printing the FILEINFO.SRC file in the root directory. Original EduCALC Goodies disks come with a printed copy of this file. 4DOS users can use the DIR command to see the file comments automatically, but the authors' names will not be displayed.

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