

The HP 48 Catalog

of Independently Developed Products



March 1995

- Books
- Classroom displays
- Math cards
- Navigation software
- Science cards
- Engineering software
- Leather cases
- Memory cards
- Surveying software
- User groups

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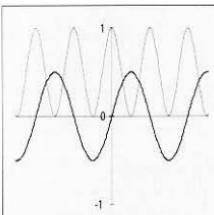
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HP 48G/GX



by Chris Coffin

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by Dan Coffin & Jim Donnelly

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Grab your calculator, grab this book, and you're all set for math class. You'll get lots of lessons, examples and advice on graphing and problem-solving with these (and more!):

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by Ray Depew

Graphics on the HP 48G/GX

Here's a "must-have" if you want to use the full potential of that big display on your HP 48G/GX. Written by HP engineer Ray Depew, this book shows you how to build graphics objects ("grobs") and how to use them to program and customize displays with diagrams, pictures, and data plots.

First, the book offers a great in-depth review of the built-in graphics tools. Then you build your own grobs and combine them in programs for some very impressive HP 48 graphics.

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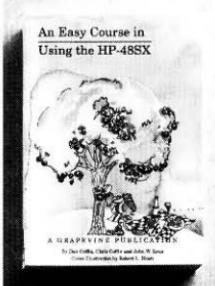
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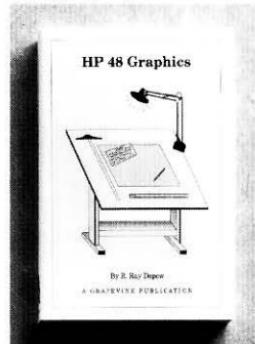
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Here's a "must-have" if you want to use the full potential of that big display on your HP 48S/SX. Written by HP engineer Ray Depew, this book shows you how to build graphics objects ("grobs") and how to use them to program and customize displays with diagrams, pictures, and data plots.

First, the book offers a great in-depth review of the built-in graphics tools. Then you build your own grobs and combine them in programs for some very impressive HP 48 graphics.

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\$195 for the **total station** option until July 31, 1995 *SX needs a **128k** RAM card.

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Right	<input checked="" type="checkbox"/> 1.725
Fill	<input checked="" type="checkbox"/> 9.365 @ 44.048
Slope	<input checked="" type="checkbox"/> 1.500:1
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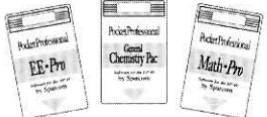
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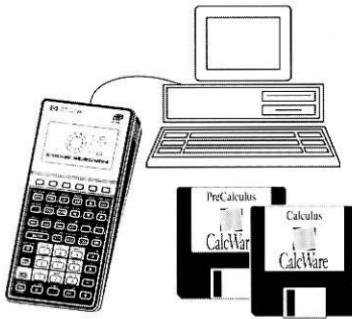
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Slope stake in 1/4 the time and with

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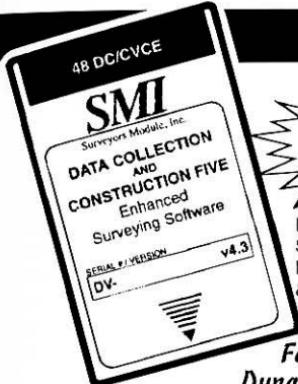
Set slope stakes - Set blue tops - Collect cross sections - Stake points by station and offset

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SMI Software displays after each shot specific information for the point at the prism.

SMI Construction V Software is so smart - it's simple!



Featuring: Dynamic Memory

Construction V can turn a large construction job into an easy task. It handles setting grade stakes, slope stakes, bluetops, staking center lines, side lines, boundary points, and collects data, including cross sectional data, easily and efficiently.

With **Construction V** several construction sites may be contained simultaneously in an HP 48, and within a site several chains may exist (spurs, laterals, cloverleaf sections, etc.); the HP 48 may contain control data for road sections many miles long.

Construction V allows the use of station and offset or point numbers, whether staking or collecting data. It greatly reduces the time to do field work - a job which would take 3 - 4 days with conventional methods can be done in one day with **Construction V**.

This program permits you to work with tangents, simple curves and spiral curves in the horizontal control. In vertical control it allows you to work with percent slopes, vertical curves, or vertical break points. The template handles several sophisticated functions: superelevations, changes in road width, flat ditch bottoms, etc. **Construction V** automatically interpolates between templates.

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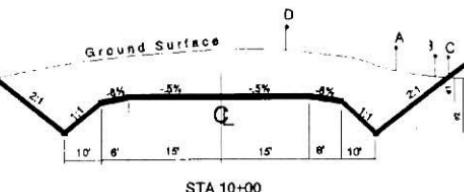
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Road Cross Section
Design Template

Wherever you take a shot SMI Software knows where you are!

In the road cross section template shown A,B,C, and D represent shots taken with the rod from the instrument. Take a shot at A and the SMI Software knows you are in a cut section, and you are outside the shoulder. It gives station, offset elevation, slope to the ditch bottom. It also gives the cut to the shoulder and to the ditch bottom. Last it gives the out (or in) distance to the catch point. The second shot you take gives similar information except this time the slope of the ground is computed from A to B and you are given the "slope distance" to "C" (the catch point).

If you take a shot inside the shoulder of the road such as at "D" in the illustration, you get blue top information: Station, offset, elevation, and cut or fill to the grade.

SMI

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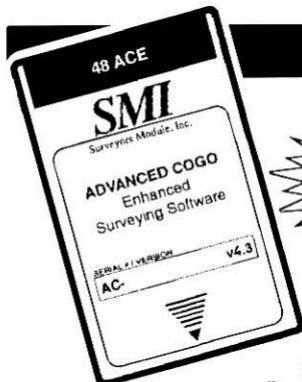
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One of the outstanding features of this package is the ability to set the program to operate the way the surveyor wants to work. Some features which can be turned on or off are: notes, codes, elevations, consecutive point numbers, earth's curvature, or raw data. Other optional settings are: setting the fix point output, setting angle turning tolerances, south azimuth on, or choosing between azimuth or angle right survey.

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48 ACE Advanced Coordinate Geometry Enhanced

rule program will adjust side shots as well as traverse points.

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The 48 ACE contains a program that will transfer an elevation from a benchmark to the instrument.

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is a lot of power at a very affordable price to introduce you to the SMI family of products. The 48 BCE is extremely easy to use in such functions as: inverse, traverse and side shot,

48 BCE Basic Coordinate Geometry Enhanced

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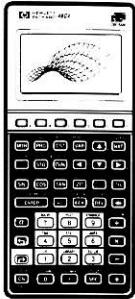
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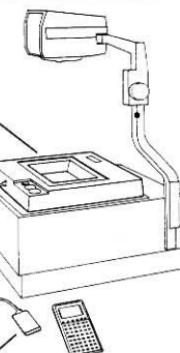
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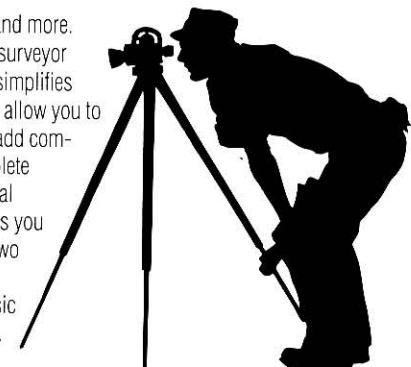
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Party Chief includes all the features of **Student Cogo** and more.

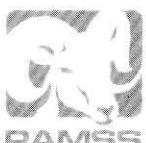
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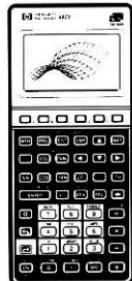
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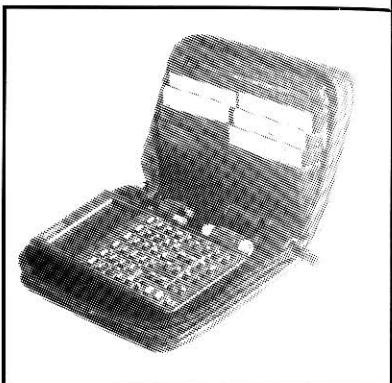
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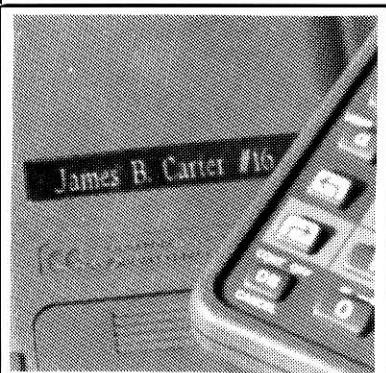
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<i>Product Category</i>	<i>Page(s)</i>
Books – References and Tutorials	1, 2, 3, 4, 14
Business and Finance	10
Cases	14
Chemistry and Chemical Engineering	6
Clubs and User Groups	13
Communications and I/O	6
Displays	11
Electronics and Electrical Engineering	6, 11
Engraving	14
Games	6, 11
Hydraulic Engineering	12
Mathematics	6, 10
Mechanical Engineering	6
Memory Cards	6
Navigation/Aviation	6, 10
Personal Information Management	6
Physics	6
Professional Engineering	13
Programming	14
Structural Engineering	9, 11
Surveying and Civil Engineering	5, 7, 8, 9, 12, 13

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