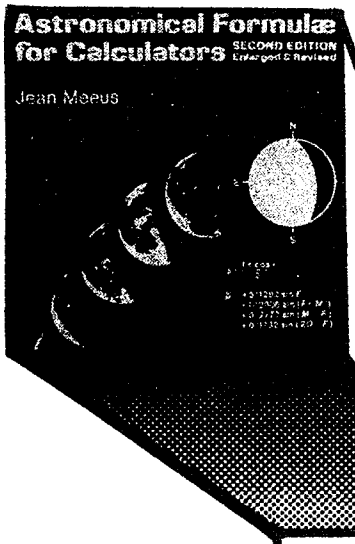

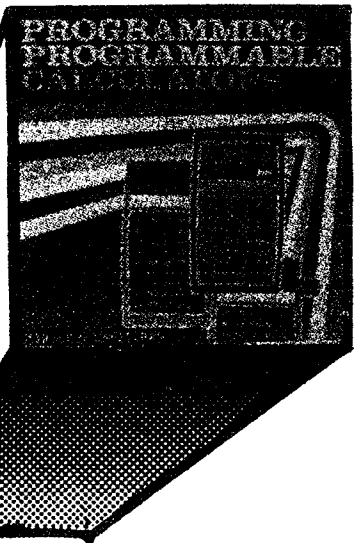

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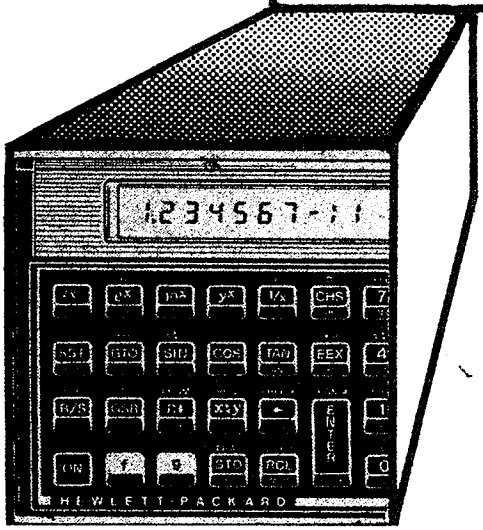

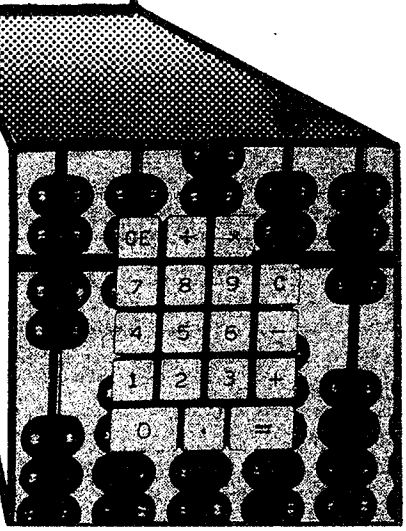

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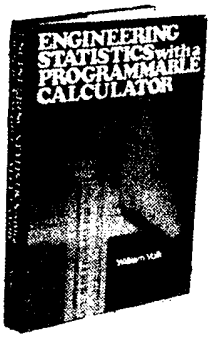

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At last—stat programs in both RPN and AOS that are designed specifically for engineering problems. This is complete—statistical analyses and associated probabilities are all calculated and programs replace all tables. Each procedure is first explained along with the underlying probability function. Then application to engineering data is discussed with an outline of the types of problems to which it applies. Typical engineering examples are presented. Programs come with line-by-line explanations, logic-flow diagrams, examples illustrating use with both HP and TI calculators, and running times.

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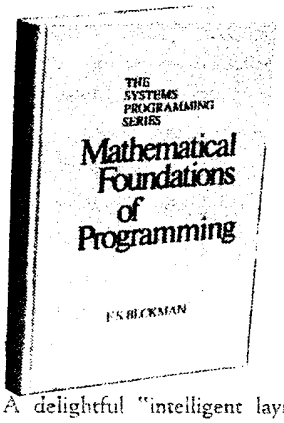

by Frank Beckman

A delightful "intelligent layman's" guide to concepts and results — detailed enough for reference use by novices, programmers, and computer scientists. Its subject areas are math logic and foundations, computability and recursive function theory, formal linguistics and automata theory. Obviously one book cannot cover all this with mathematical depth. But students in such courses may find in it a perspective or emphasis different from more rigorous treatments.

Here the authors are concerned with telling you what these subjects are about, rather than with giving a rigorous self-contained exposition.

No knowledge of calculus or college math is assumed, although some mathematical maturity is needed. There are exercises, and the reader must be familiar with the art of programming.

Stock #E-127, IBM/Addison-Wesley, 443p, hardbound . $24.95

FINANCIAL ANALYSIS BY CALCULATOR

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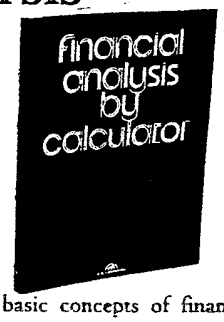

by Mullish/Kestebaum

Here's a leisurely introduction to the basic concepts of finance by the Harvard case-method. A good supplement to your Owner's Manual or to a course in the time-value of money.

Annuities, Break-Even Analysis, Foreign Currency, Depreciation, Ratio Analysis, Portfolio Theory. Keystrokes are given for two programmable-financial machines, TI's MBA and the HP-38, but any calculator will do.

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Here are 29 programs which solve problems that previously required the student or laboratory worker to go to the computing center. Each program is given with a description of the problem and the equations used to solve it. Then there is an analysis of the program's significance, instructions, comments on steps or subroutines, lists of register contents, and a sample problem with its solution. Each program is given in both algebraic and RPN logic — and most are useable on non-programmable machines, too. Finally, there are references.

Aqueous Solutions of Small Molecules, Macromolecules in Solution, Sedimentation, Ligand Binding and Kinetics, Thermodynamics, Spectroscopy, Isotopes.

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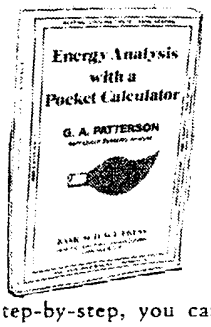
(2nd edn)



by G.A. Patterson

This little gem shows you just how, step-by-step, you can find the cost saving of home insulation, measure relative values of alternative fuels, even design machines and structures with accurate prediction of heating and cooling loads. You won't need a technical education—just your scientific calculator.

Appendices include specific programs for algebraic data entry (TI-57) and RPN (HP-25).

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by Hyatt/Drooyan/Carico

Here's the complete math text for beginning a technical career, including prerequisites for advanced technical and math courses. Covers all basic topics of an introductory tech-math course — arithmetic, algebra, geometry and numerical trigonometry.

This approach stresses calculators, with instruction in their use and plenty of problem-solving methods. A scientific calculator with "=" key is required (such as a TI-35).

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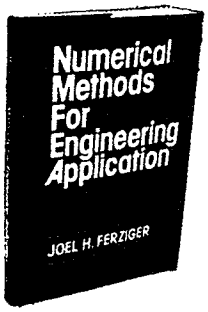

by Joel Ferziger

Here are efficient, no-nonsense methods for solution of practical engineering problems — with directions for choosing and adapting a method for your particular application. The main coverage is for ordinary and practical differential equations.

Some FORTRAN programs are given.

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PROBABILITY BY CALCULATOR

Solving Probability Problems with the Programmable Calculator

NEW

by Peter W. Zehna

For Introductory Probability and Statistics students, this book shows how the careful selection and programming of a calculator can result in fast, accurate answers to complex problems. Focuses on the recording and programming capacity of the TI-59 hand-held calculator as a mini-computer.

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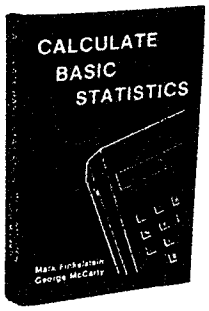

CALCULATE BASIC STATISTICS

NEW

by Finkelstein/McCarty

Here is the friendly new calculator method for learning statistics —before, during, after or instead of your first course in statistics. You follow realistic calculator examples, step-by-step — instead of a lot of algebra. You read intuitive explanations for the topics like "confidence intervals" and "contingency tables" which are so confusing in ordinary texts. Unique simplified tables make look-ups quick and easy. You can use this book to review, too — streamlined "guides" sort out the material for you. Any calculator or home computer will do.

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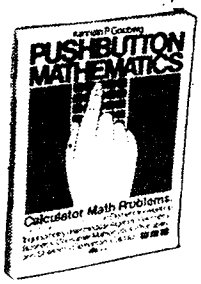

by Kenneth Goldberg

Tells the high school or junior college teacher or student what calculators are and how they differ, how to select one for teaching or personal use — and how to teach with one.

Seven important subject areas are covered, and in-depth integration of the calculators is described for major topics, plus additional calculator activities. There is a rudimentary treatment of programming programmable machines. Requires a calculator with algebraic logic (that has an "=" key.).

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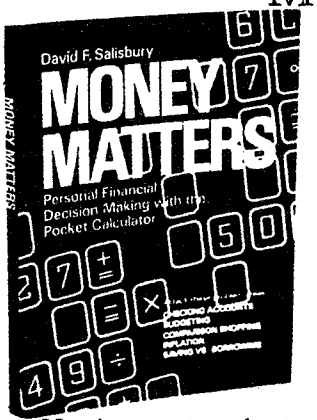
Personal Financial Decision-Making with a Pocket Calculator



NEW

by David Salisbury

Here's your introduction to Personal Finance via simple calculators — done by the award-winning Christian Science Monitor journalist.

Complete coverage starts with balancing a Checking Account, goes through Budgets and Inflation, Borrowing vs Saving and Renting vs Buying. Any calculator will do, though having a few scientific-financial buttons will help.

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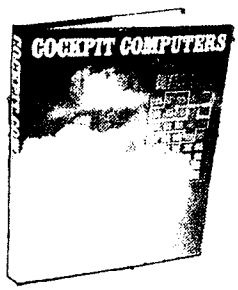
COCKPIT COMPUTERS



NEW

by Paul Garrison

Here's a simple and readable alternative to owner's manuals. It's a super-practical guide — for 20,000-hour pilots and students alike — to using calculators to quickly find:

> Fastest airspeed and most economical altitude for a given flight, wind direction and velocity at a given moment of flight; correct speed for a flight to avoid a fuel stop. It has in-depth discussions of 21 specific problems including time to climb, area navigation and true airspeed.
> Contains evaluations, instructions and programs for TI-58C/59, HP-41 and dedicated aviation calculators like Heathkit OC-1401, Navtronic 1701 and TI Avstar. (You can use this book for comparison-shopping.)

Stock #M-129, McGraw - Hill, 249p, hardbound $24.95

FINANCIAL ANALYSIS & BUSINESS DECISIONS ON THE POCKET CALCULATOR

by Jon Smith

The money made or saved by applying these techniques can pay for this book a thousand times over.

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Calculates Time Value of Money, Forecasts, Analyses Risk vs Return, and more.

Keystroke sequences are given — for every type of calculator, including the simplest.

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ALGEBRA AND TRIGONOMETRY WITH CALCULATORS

by Hestenes/Hill

This text fully integrates the calculator as a learning device as well as computational aid — this frees time for added mathematical, scientific and business applications. Any scientific calculator can be used, and the reader needs only a year and a half of high school algebra or geometry.

> Full coverage of the standard college topics.

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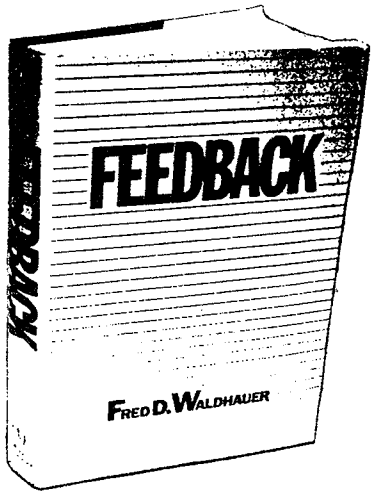
FEEDBACK



by Fred Waldhauer

Electronic circuit designers (and even upper-division EE students) get here a neat and enjoyable solution to feedback analysis and design — a new "anticausal" paradigm which analyses from output to input. This is a practical work, with many examples and calculator programs, plus a few exercises. Examples range from audio design through microwave integrated circuits. Thirty-one applications programs are given for the HP-41 calculator.

> One program here converts your HP-41 into a "two-part network calculator" — it includes arithmetic, matrix inversion, lead-interchange operations, and is itself programmable! (This book is an outgrowth of courses taught by the author at Bell Labs.)

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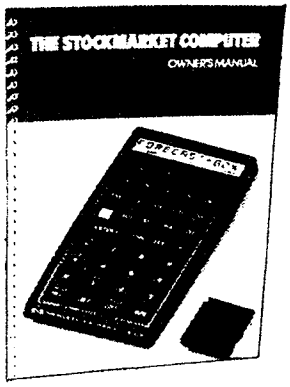
MARKET FORECASTER MODULE FOR THE HP-41C/CV



by William Finnegan Assoc.

Impress your friends (and your banker) by quoting the Dow-Jones Average 80 DAYS IN THE FUTURE! You can do that with this HP-41 module and a current copy of Barron's in just 3 minutes! The correlation co efficient for this method is r = .78 over the last 11 years. You'll know when to buy, when to sell, when to switch to the money market. Simulated returns of 30 to 38% per year after commissions were observed for the past 18 years, and the Finnegan Group's supervised funds appreciated 72% during March 21, 1979 through March 21, 1982.

> Module comes with keyboard overlay and Owner's Manual. Requires HP-41CV calculator, or HP-41C with additional memory module.

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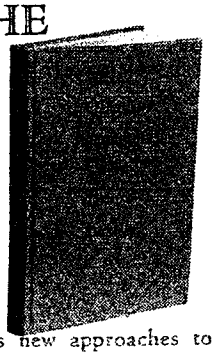
CALCULATOR PROGRAMMING FOR CHEMISTRY AND THE LIFE SCIENCES



NEW

by Frank Clarke

This book gives students and lab scientists new approaches to experimental design and data interpretation with specific, detailed examples.

The four main topics are Molecular Formulas, Coordinate Transformations (for X-ray crystallography), Potentiometric Titrations, and Correlation Analysis (up to 5 variables). Programs are given for the TI-59 with printer — some programs can be used without printer but most are so complicated they require it. Translation to RPN is discussed.

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by Jean Meeus

If you are an advanced amateur, competent with your programmable calculator, here's the start of many a rich and pleasant evening's investigations. This dedicated and thorough author (Asteroid 2213 is named after him!) has studied the classical treatises and selected the main perturbations of the Moon and Planets. He gives them concisely with enough secular terms so that these formulae can be used in serious historical work.

About forty topics in Calendar Problems, Celestial Phenomena and Mechanics, plus a few math techniques like Interpolation and Regression. No programs are given.

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by Herbert Hollister

Release date December, 1982
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The author combines his talents as a math professor and realtor to offer a complete review of the math topics necessary for a real estate license.

Written for use with a hand-held calculator, it gives working examples, exercises, and problems for developing the basic math skills and know-how needed to make it in the competitive real estate business. Covers percentages, commissions, finance and interest rates, taxes, insurance, appraisal and more.

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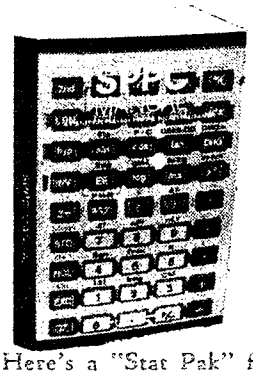
SPPC MANUAL



NEW

by Walter Hudson

Here's a "Stat Pak" for your pocket calculator! There are more than 125 programs for common and not-so-common statistical procedures. The TI-55II calculators are ideal for these programs, but the programs can be used on the EC4004 or any machine with AOS logic. Methods are given for transcribing these programs to fit other types of calculators as well.

This is not a textbook to learn from - rather it provides efficient means for numerical solutions, assuming that you know the underlying theory: Descriptive Statistics, Measures of Association, Probability, Hypothesis Testing (Parametric and Non-Parametric), the General Linear Model, Test Constructions.

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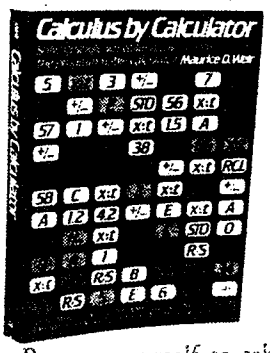

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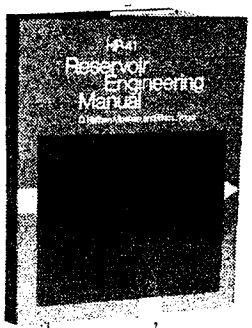
HP-41 RESERVOIR ENGINEERING MANUAL



NEW

by Meehan/Vogel

32 programs to help engineers predict oil, gas, and water reserves, optimize production, and evaluate opportunities to increase both. Each program includes an overview, equations, nomenclature, extensive examples with step-by-step keystrokes and printed outputs, user instructions in flow-chart form, program length and listing, plus barcodes. Requires HP-41 with Petroleum Fluids Pac.

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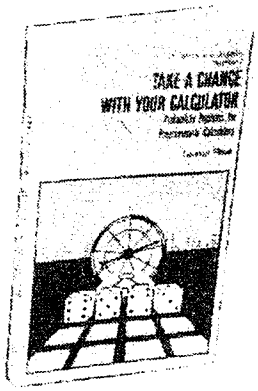
TAKE A CHANCE WITH YOUR CALCULATOR – PROBABILITY PROBLEMS FOR PROGRAMMABLE CALCULATORS



by Lennart Rade

A challenging introduction to this fascinating area of modern mathematics. No previous knowledge of probability theory is assumed. Part One consists of 143 problems. Commentaries on these problems appear in Part Two. Part Three contains programs for an HP-25 calculator. These programs solve all the problems in the book.

Part One — Problems: and Part Two — Commentaries: Random Digit Generator, Tossing Dice, The Art of Simulating Spinners, Some Probability Problems, Building and Destroying Towers, Tower Games, Runs and Other Patterns, Random Walks, Some Statistical Applications, Miscellaneous Problems; and Part three — Programs.

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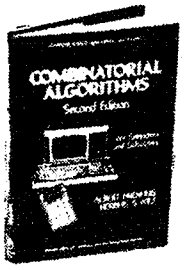

by Nijenhuis/Wilf

Like a novel, this impressive book may be read on several levels. On one, this is a ready-to-use collection of FORTRAN subroutines for the solution of combinatorial problems — "What is the minimal length of road connecting the 48 state capitols?" "Estimate the probability that a shuffled deck contains no straight." At the other extreme, pure mathematicians will find much here that is new and interesting. In between, calculator programming buffs will get professional stimulation, a first-class education, and lots of detailed help.

62 Algorithms of two types, Exhaustive Search and Random Sampling, with thorough Discussions, Flow Charts, Specifications, and Sample Runs.

Stock #P-25, Academic Press, 302p, hardbound $24.50

PROGRAMMING THE TI-55 SLIDE RULE CALCULATOR

by Snover/Spikell

Here is a practical handbook that explains how you can solve math, finance and science problems on the TI-55 — with step-by-step, hands-on techniques, (You can adapt these flowchart methods to other TI, HP or Sharp calculators, as well as personal computers.)

Beginners are led to write their first programs, become familiar with checking and editing them, and finally learn how to get programs to loop and to generate sequences.

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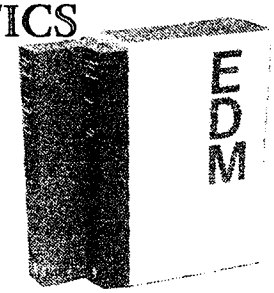

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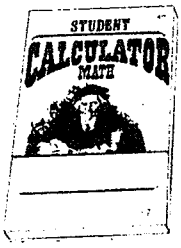

by the Staff, TI Learning Center

The basic information, formulas, facts, and mathematical tools you need to unlock all the power in your hand-held calculator. Useful with any calculator — with sequences given for TI's "AOS" Algebraic System of data entry.

Discussion of each Function Key, Metric Conversions, Home Management (checkbook, recipes, credit cards, shopping, gas mileage, interest rates), Algebra, Business and Finance, Trig, Probability and Statistics, Physics and Chemistry, Puzzles and Games.

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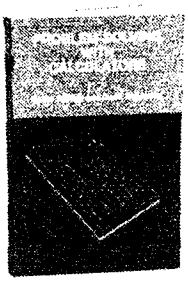


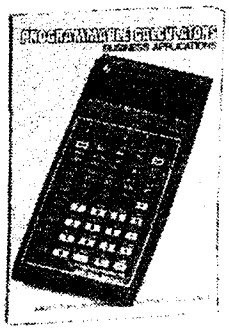
by Billings/Moursund

Here a secondary student learns how to use calculators while improving his problem-solving skills - from two experienced teachers who are skilled writers.

A simple calculator with = key and memory is needed, plus sixth grade math.

Stock #1-115, Dilithium, 143p., softbound $7.95

PROGRAMMABLE CALCULATORS: BUSINESS APPLICATIONS



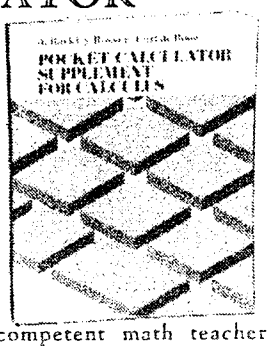
by Aronofsky/Frame/Greynolds

For the manager, analyst, or student who wants a more business-like and understandable treatment than the TI-58/59 manuals offer, this comprehensive introduction is a spin-off of an MBA course at SMU.

From getting started through more sophisticated and advanced programming, the emphasis is on decision-making—and what you learn applies to computers, too.

Stock #B-81, McGraw-Hill, 203p, softbound $9.95

POCKET CALCULATOR SUPPLEMENT FOR CALCULUS



by Rosser/de Boor

This book teams up two highly competent math teachers who have two aims. One is to use calculator experiments to illuminate points made in a calculus course. Their second aim is to use calculus techniques to make the reader more efficient and proficient in the use of his calculator. The list of topics can be matched up with any calculus text. Scientific calculator required; programmability recommended (programs are given for the HP-33E and the TI-57).

Stock #M-32, Addison-Wesley, 291p, softbound ... $11.95

COUNTDOWN: SKYDIVER, ROCKET AND SATELLITE MOTION ON PROGRAMMABLE CALCULATORS

by Eisberg/Hyde

How to use an inexpensive programmable calculator to accurately predict the motion of a variety of interesting objects. Using only basic mathematics and physics you will be able to calculate the motion of skydivers, single and multi-stage rockets, earth satellites, planets and alpha particles. No experience necessary.

Stock #M-27, Dilithium, 107p, softbound $8.95

PROGRAM CARDS FOR AIR NAVIGATION T1-59 OR HP-41C

by Thomas Liston, P.E.

NEW

Minimize head-down time. HP "N" version stores 78 VOR'S, airports, landmarks; while "R" version is manually coupled "RNAV" with 62 points. There are 54 points on one TI-59 card. Each point has LAT, LONG, FREQ, VAR. Finds position from two VOR'S or from one VOR and DME. Calculates "to go" to any point on chart (great circle) and "made-good" between fixes (speed, distance, course). Dead reckons in real time and displays TIME of DAY, LAT, and LONG (rhumbline).

TI-59 requires Aviation Module, 12v power supply for longer flights, is for N lat, W long only and uses one magnetic variation for entire chart. HP-41CV requires Card Reader and HP-41C requires Quad Memory Module as well. Chart cards correspond geographically to NOAA Sectional Aeronautical Charts - order by NOAA names. You can compile your own Chart Cards, but purchase saves time.

Stock #A-120, TI-59 Program Cards and Booklet . . $200.00

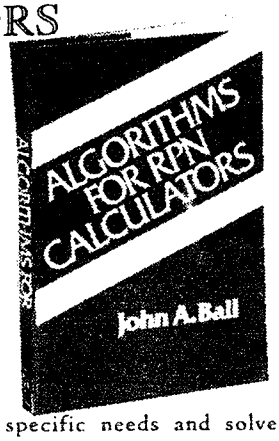
Stock #A-121, Each NOAA Sectional Chart Card for T-59 (requires program cards) 30.00

Stock #A-122, HP-41CV Programs "N" Cards and Booklet 300.00

Stock #A-123, HP-41CV Program "R" Cards and Booklet 300.00

Stock #A-124, Each NOAA Sectional Chart Card for HP-41CV (requires program cards) 40.00

ALGORITHMS FOR RPN CALCULATORS



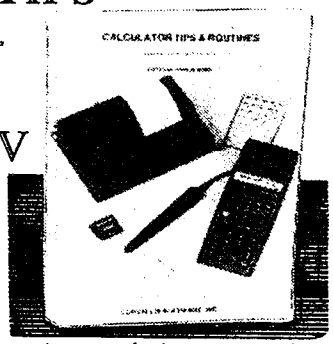
by John Ball

How to write algorithms to meet specific needs and solve numerical problems of remarkable complexity—even problems ordinarily given to large computers! Plus 72 actual programs covering mathematical, astronomical, engineering, and miscellaneous problems—given with methods for adapting them to various calculators. Much of this book is accessible to anyone with high school math. Exercises with answers constitute extra examples and programs.

Discussion of RPN, Algorithms, Iterative methods, Curve Fitting, Integration, Differentiation, Interpolation. Programs for topics discussed and for Special Functions, Chebyshev Polynomials, Permutations and Combinations, Number Bases, Dates/Times/Pointing in Astronomy, Doppler Velocities and Relativistic Shifts, Radio Astronomy Antennas and Brightness and Beamwidths, Electrical Engineering and Noise Levels, Trigonometry and Coordinate Systems, Money, Music, Sailboat Speeds, Stopwatch, Weather.

Stock #M-21, Wiley-Interscience, 330p, hardbound . . $31.95

CALCULATOR TIPS & ROUTINES — Especially for the HP-41C/HP-41CV

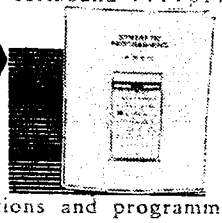


Edited by John Dearing

Here are the best hints, suggestions and discussions from HP's Key Notes and from PPC Notes, collected in one place from many issues and well-indexed for your easy use.

Stock #P-93, Corvallis Software, 136p, softbound $14.95

SYNTHETIC PROGRAMMING ON THE HP-41C



by William Wickes

There exists a whole class of functions and programming applications for your HP-41C that are NOT IN YOUR OWNER'S HANDBOOK! To whet your appetite, here are some samples of Synthetic Programming that are impossible or impractical without this book's techniques:

> Addition of 21 "new" display characters — Transformation of the alpha register into 4 additional data registers, to use as scratch pad which does not disturb data stored by other programs — Enhanced user control over the 56 users and system flags, such as clearing all 56 simultaneously — SIZE finding, automatically, in less than 2 seconds — Rapid alphabetizing of alpha data — Alpha character-string processing — 6 new TONE frequencies plus variation of TONE duration — Improved key-assignment control, like "STO 65" on a single key.

Novice programmer or expert, you'll get a working knowledge here of programming at a deeper level, plus a few fun "tricks of the trade". All that's required is an HP-41C (or CV) and temporary use of one memory module, although a card-reader, printer or wand could be useful.

Stock# P-92, Larken Publications, 96p, softbound . . . $10.95

Hex-card table

Made of durable plastic, a quick reference for synthetic programming. Fits HP case, or your pocket.

Stock #P-92C plastic coated . . .(6 inch) $2.75

TECHNICAL INDICATOR PROGRAM

by Carlson/Jenkinson

With this program and just two minutes per day you can calculate your own market indicators-fresh daily for the NYSE, ASE, NASDAQ, or other markets. You get all sixteen of them: McClellan Oscillator and Summation Index, Trader's Index, Advance-Decline Line and Oscillators, Magic-T and Volume Oscillators. Then you use the easy guidelines and examples to interpret overbought/oversold conditions and get buy/sell signals, determine bottoms and forecast tips.

> No programming experience necessary. Requires HP-41CV calculator (or HP-41C with Quad Module). Includes descriptions, instructions, examples and interpretations for all indicators.

Stock #B-99, Investment Software, 67p, comb-bound $24.95

STATISTICS BY CALCULATOR:

Release date December, 1982
Order now for earliest shipment

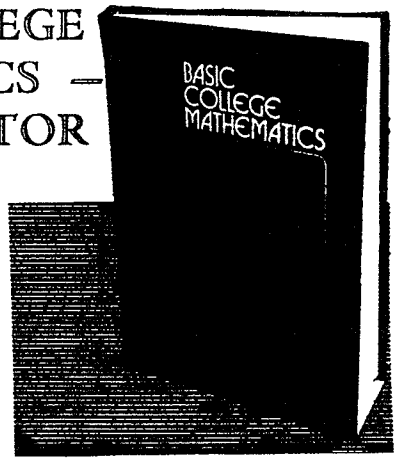
by Zehna Barr

Shows how to solve a variety of statistics problems on the TI-59 calculator. Stresses the selection of a model that enables the processing of data quickly and accurately so the user can discover the full capabilities of the calculator when used as a mini-computer.

> Comes complete with program listings, user instructions, and examples.

Stock #M-143, Prentice-Hall, softbound $9.95

BASIC COLLEGE MATHMATICS — A CALCULATOR APPROACH



by Ash/Robinson

A beginner's course in precalculus and technical math — for someone who has little or no knowledge of algebra. The powerful new method of calculator computations and applications introduces and explains mathematical ideas — with more than 3700 exercises, including answers for the odd-numbered ones!

> The first four chapters cover the arithmetic of Whole Numbers, Fractions, Decimals, and Real Numbers. Then there is a thorough treatment of algebra, clear through Polynomials and Simultaneous Equations. Geometry comes last, with Right-Triangle Trigonometry, and Area.

Stock # I-91, Addison-Wesley, 526p, ... $18.95

HANDBOOK OF ELECTRONIC DESIGN AND ANALYSIS PROCEDURES USING PROGRAMMABLE CALCULATORS

by Bruce Murdock

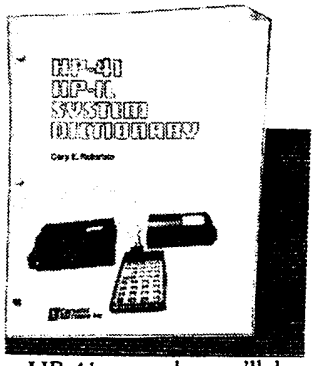
Here are programs and techniques for using HP67/97 or TI 58/59 calculators to solve problems normally done on a computer. Network analysis, active and passive filter design, high frequency amplifier design, and engineering math.

> Complete documentation includes flowcharts, algorithms, sample problems, tips, and references. Fully annotated program listings and helpful numerical examples.

Stock #E-86, VNR, 525p, hardbound $32.95

HP-41/HPIL SYSTEM DICTIONARY

NEW



by Cory Reinstein

If you have had trouble reading the HP-41 manuals, you'll love this. With this Glossary/Quick Reference Guide you can call forth the whole power of your HP-41C and HP-41CV.

It includes over 900 most-used functions with outlines for their use, interface terminology, complete timing charts for the 41C functions. memory maps, a subroutine decision table, special synthetic programs to assign any function to any key and to produce 128 tones from 0.2 to 5 seconds in 16 frequencies, reference charts for the printer and time module, and much more.

Stock #P-102, Corvallis Software, 91p, softbound $10.95

USING PROGRAMMABLE CALCULATORS FOR BUSINESS

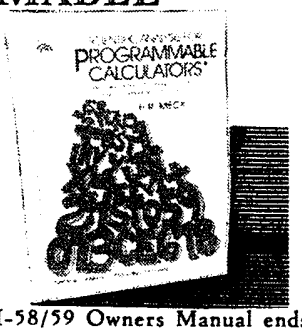
by Louis Hohenstein

Here's how you can reduce expenses and increase profits: Which machines? What jobs can they do? How do you use them? Their capabilities? Limitations? 95% of this book is about basic, everyday business uses of your calculator.

Part One has five chapters for the beginner to calculators and programming; Part Two details programs for Investment, Depreciation and Form 1040, Cash Register, Real Rate of Return after tax and inflation, Inventory Management, and much more.

Stock #B-96, Wiley, 296p, softbound $10.95

SCIENTIFIC ANALYSIS FOR PROGRAMMABLE CALCULATORS



by H.R. Meck

This book begins where the TI-58/59 Owners Manual ends. It offers specific programs and useful numerical techniques for many applications in Science and Engineering.

Differential Equations (general and special second order, higher order, initial and boundary values); Transcendental Functions (sine and cosine and exponential integrals, error function, elliptic integrals, factorial and Bessel functions); Numerical Integration (Simpson, Gauss and Romberg methods); Evaluation of Roots (Newton-Raphson and secant methods), and more!

Stock #M-87, Prentice-Hall, 175p, softbound $7.95

MATHEMATICAL RECREATIONS FOR THE PROGRAMMABLE CALCULATOR

NEW

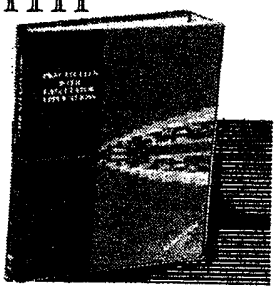
by Hoffman/Mohler

"Ordinary" buyers of programmable calculators recognize immediately that they are marvelous toys (a fact most manufacturers ignore). This is the authors' collection of problems for entertainment - and when you become a programming expert and learn some math to boot, its a free bonus!

Requires an interest in math, a little algebra and (for only a few problems) trigonometry. TI-57 or HP-25 calculators are adequate (TI-55 is not), but programming skills are not needed to start. Chapter 1 covers techniques of Programming and Problem-Solving; Chapter 2 gives Numerical Recreations; Chapter 3 is devoted to games. Appendices discuss sample Flowcharts and Program Listings.

Stock #P-100, Hayden, 322p, softbound $14.95

PRECALCULUS WITH CALCULATOR APPLICATIONS



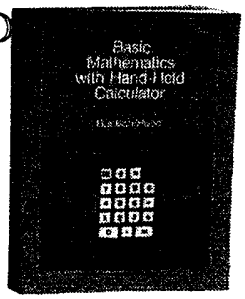
by Elich/Elich

Here is a comprehensive text and reference for the math needed in the calculus: functions and graphs; integer, polynomial, trig, log and exponential functions; equations and inequalities, polar coordinates and analytic geometry, complex numbers.

There are plenty of exercises and worked-out examples which use your calculator. An appendix introduces both AOS and RPN calculator usage, so either a TI or HP scientific calculator (with log and trig buttons) will fit this book.

Stock #I-104, Addison-Wesley, 600p, hardbound $19.95

BASIC MATHEMATICS WITH HAND-HELD CALCULATOR



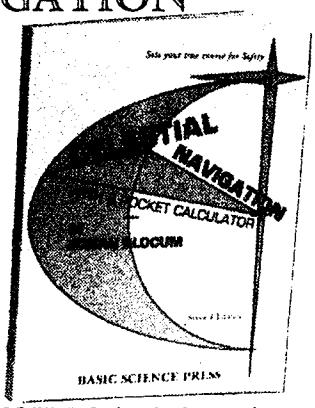
by Dubisch/Hood

This is workbook text for a detailed review of basic arithmetic at the secondary or college level. The simple 4-function calculator acts as your workhorse for computations.

It has 3200 exercises (most with answers) which can be removed from the book. Applied topics like consumer finance, sports data and energy conservation are covered in depth.

Stock #I-126, Benjamin/Cummings, 493p, softbound ... $18.95

CELESTIAL NAVIGATION WITH A POCKET CALCULATOR



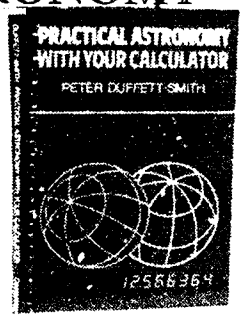
by Jonah Slocum

Here it is, finally—the definitive HOW-TO book for yachtsmen, pilots and professional navigators. Step-by-step examples and duplicate programs for RPN and Algebraic logic systems.

Detailed introduction and basic concepts for Astronomy, Plane Navigation, Spherical Navigation, Time Measurement, Astronomical Triangles.

Stock #A73, Basic Science, 116p, softbound $14.95

PRACTICAL ASTRONOMY WITH YOUR CALCULATOR



by Peter Duffett-Smith

All you need is this practical handbook, your scientific calculator, pencil, and paper—you can predict important astronomical phenomena! Theory is kept in the background so detailed instructions can be followed blindly for conversions of time systems and coordinate systems, calculation of planetary positions and phases, motion of the sun and moon, even prediction of eclipses.

Stock #A-83, Cambridge Univ. Press, 129p, softbound .$10.95

PROGRAMMABLE POCKET CALCULATORS

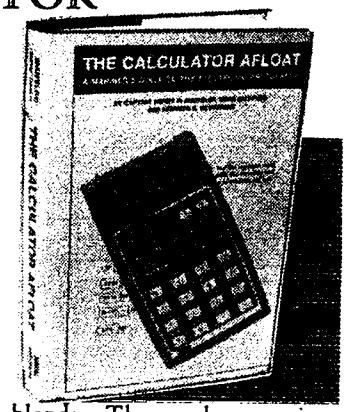
by Mullish/Kochan

Written just for RPN logic, this book takes up where the manufacturer's manuals leave off. After a chapter on the art of programming and another on the architecture and features of the calculators, there are discussions of each type of machine, giving details and examples for manual operation, programming, debugging and editing.

Novus Math PR; Sinclair Sci. Programmable; Hewlett-Packard 25, 25C, 55, 65, 67, 19C, 33E.

Stock #P-75, Hayden, 254p, softbound $10.95

THE CALCULATOR AFLOAT



by Shufeldt/Newcomer

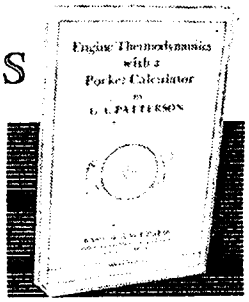
This book gives you a rare blend: The modern navigational techniques of HP's Newcomer passed through the prism of Captain Schufeldt's more than forty years experience as a master mariner.

Features include a wealth of historical background, a section useful to calculator buyers, long-term almanacs, and a stress of elementary statistical techniques for getting greater accuracy. A calculator with basic trig functions will solve every formula.

The first chapter reviews calculators and the math. Then there are chapters on Inshore and Offshore Navigation, Celestial Observations and Computations; finally you get formulas covering Barometric Pressure, Turning Circle, Fuel Consumption, Propellor Slip, Ship Stability and Trim, Loads, Wind Pressure, Sailing to Weather and Downwind, Draft Variation when needed.

Stock A-82, Naval Institute Press, 225p, hardbound .$16.95

ENGINE THERMODYNAMICS WITH A POCKET CALCULATOR



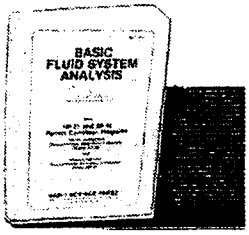
by G.A. Patterson

This book is packed with the essentials and examples a non-specialist needs—Patterson uses history to make concepts clear through application from steam engines through Diesels and gas turbines—even an Ocean Thermal Energy Plant is analyzed!

Duplicate sets of programs are given for algebraic and RPN logic.

Stock #E-71, Basic Science Press, 120p, softbound $13.95

BASIC FLUID SYSTEM ANALYSIS



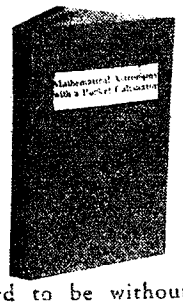
by G.A. Patterson

"Opens the door to engineering." In 85 pages you get procedures, methods and data for graphical solution— to problems from liquid hydrogen jets through steam transport to irrigation pumping.

These simplified techniques for flow analysis are given in programs for RPN (HP-25) and algebraic (SR-56) calculators.

Stock #E-72, Basis Science Press, 85p, hardbound ..$12.95

MATHEMATICAL ASTRONOMY WITH A POCKET CALCULATOR



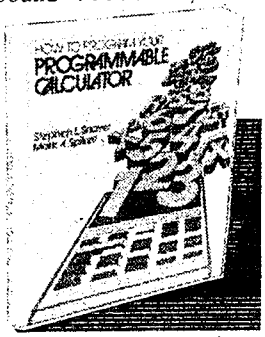
by Aubrey Jones, FRAS

No astronomer or student can afford to be without this unique book.

Subjects covered include Sidereal and Mean Time, Reduction to Apparent Place, Binary Star Orbits, Coordinates of Comets from Parabolic and Elliptical Elements, Least Squares, Equation of the Equinoxes, and Planetary Coordinates. Methods are demonstrated for both algebraic logic calculators and those employing Reverse Polish Notation. The extensive appendix contains fifty-seven fully documented programmes for key and magnetic-card programmable calculators. In addition to topics dealt with in the main text, these programmes cover Lunar Eclipses and Occultations, Interpolation, Chebyshev Polynomials, Julian Date, Iteration for Trancendental Variables, Coordinate Conversions, and many others.

Stock A-76, Halsted Press, 254p, hardbound $25.95

HOW TO PROGRAM YOUR PROGRAMMABLE CALCULATOR



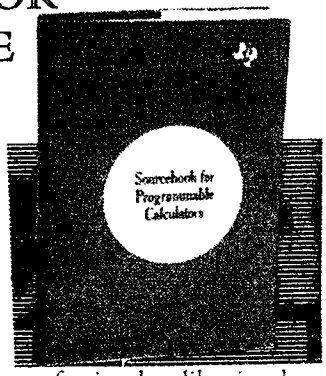
by Snover/Spikell

A real "how to" book for the practical problem solver. Covers Evaluating Functions, Looping and Decision Making—over 160 examples and exercises with solutions show you how to program your calculator to solve problems in business and finance, science, math and even gambling.

Specific programs are given for calculators with algebraic logic (TI-57 and EC4000) and for RPN (HP-33E)—the techniques presented can be easily adapted to other machines made by TI, HP, and Sharp.

Stock #P-29, Prentice-Hall, 271p, softbound $8.95

SOURCEBOOK FOR PROGRAMMABLE CALCULATORS



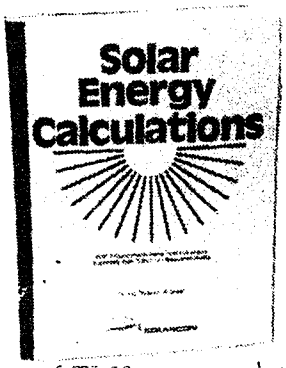
by Texas Instruments

Designed to guide students and professionals alike in the application of calculator analysis to real-world problems. Step-by-step methods to analyze and test data, investigate relationships, and apply mathematical models with the kind of ease, speed, and accuracy you have been searching for.

Basic Number Theory, College Algebra and Trigonometry, Calculus and Linear Algebra, Statistics, Music Theory, Business and Operations Research, Economics, Biology, Biomedical Engineering, Electrical and Systems Engineering, Physics and Astronomy.

Stock P-37, McGraw-Hill, 410p hardbound $28.95

SOLAR ENERGY CALCULATIONS



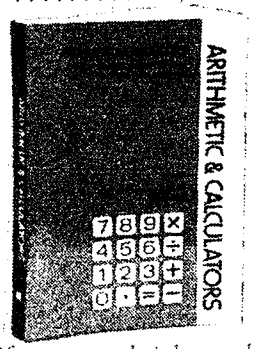
by Dr. -Ing Roderich Graeff

Contains detailed operating descriptions of TI-59 programs that an architect, engineer, consultant or do-it-yourself expert can use to evaluate and compare, plan and design.

Weather and solar radiation on horizontal, tilted and tracking surfaces; liquid and air collector efficiencies for transparent and opaque plates; various active and passive systems. None of the programs themselves are given, but a coupon is included which is good for $20.00 towards purchase of these programs from Solarcon.

Stock #E-108, Solarcon, 267p, softbound $28.00

ARITHMETIC AND CALCULATORS



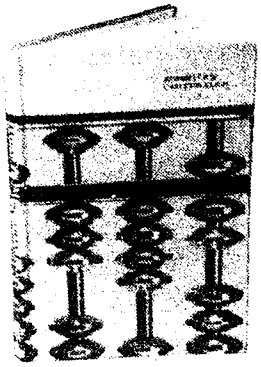
by Chinn/Dean/Traceweli

Ideal for adult self-study or for a gift to your bright-eyed relative. These experienced authors first cover arithmetic from the ground up and make it clear. Then they carefully teach its real-world applications. The book covers precalculus math except for trig, with many delightful topics thrown in, like Fibonacci numbers and magic squares. Plenty of exercises including word problems. Written for any calculator with algebraic logic.

Counting and Decimal Notation. Addition and Subtraction of Decimal Numbers, Multiplication and Division of Decimals, Geometric Application, Rational Numbers, Percent, and Interest, Rates and Ratios and Similarity, More about Integers (Number Theory!), Roots.

Stock #1-23, Freeman, 488p, softbound $16.95

TRIGONOMETRY USING CALCULATORS

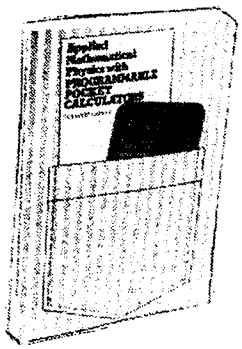


by Elich/Elich

A textbook, suitable for self-study—a complete treatment of all traditional topics that takes full advantage of the scientific calculator. Appendices introduce calculators themselves with separate treatments for algebraic and RPN systems of data entry.

Stock #1-36, Addison-Wesley, 359p, hardbound $17.95

APPLIED MATHEMATICAL PHYSICS WITH POCKET CALCULATORS



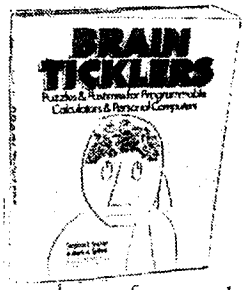
by Robert Eisberg

Here is the breakthrough method for learning elementary physics. It's a powerful supplement for a science or engineering student, yet professionals find it an easy-to-understand review. These numerical methods are simple and intuitive, as well as widely used in professional work. Newton's law of motion is the only prerequisite, though prior or concurrent calculus is desirable. No understanding of differential equations or skill with calculators is needed. A programmable calculator (with conditional branching) is required (programs are given for the HP-25 and the SR-56).

Numerical Differentiation and Integration and Solution of Differential Equations, Oscillators and Coupled Oscillators, Central Force Motion including Alpha-particle Scattering, Random Processes including Entropy, Schroedinger's Equation for Oscillator and Finite Square-well Potentials.

Stock #M-22, McGraw-Hill, 176p, softbound $14.50

BRAIN TICKLERS



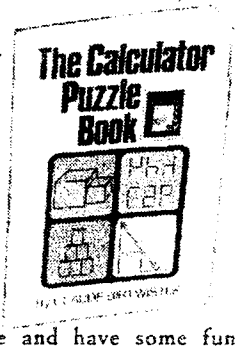
by Snover/Spikell

Puzzles and pastimes designed by the authors of a popular how-to-program book (Stook #E-29) to build your programming and problem-solving skills -- while having fun!

The knotted rope, the malfunctioning clock, the middle of the square, the politicians' banquet, the prisoner's dilemma, and 21 more. Every problem complete with flow-chart hints, answers, comments, extension problems and a basic program. Requirements: High-school algebra and a computer or calculator with at least 50 program steps and 8 data registers. A wonderful present!

Stock #I-89, Prentice-Hall, 162p, softbound $6.95

THE CALCULATOR PUZZLE BOOK

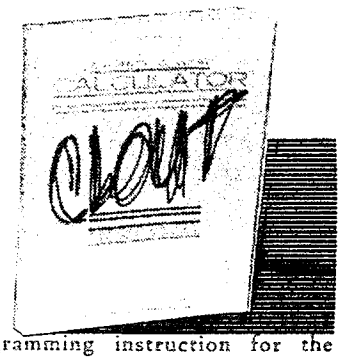


by Claude Birtwistle

Forget practical application for awhile and have some fun with over 90 challenging brain-teasers including "cross-number puzzles." Hints, Answers, Cross-References.

Stock #I-77, Bell, 127p, hardbound $3.95

CALCULATOR CLOUT



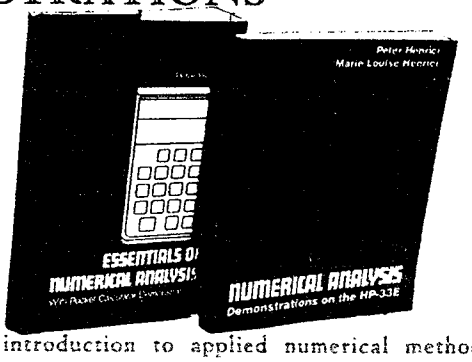
by Maurice Weir

Detailed operating and programming instruction for the TI-59 (and other TI programmables). Applications to Business, Science, Engineering and Math.

Formula Evaluation/Logs/Exponentials, F.P. and Modular Arithmetic, Random Numbers/Monte Carlo methods. Trig/Polar Coordinates, Interest, Annuities, Mortgages/Charge Accounts, Slope/Roots/Maxima, Area, Flowcharts/Loops/Branching, Magnetic Cards/Printing, Subroutines -- and more!

Stock #M-88, Prentice-Hall, 235p, softbound $8.95

ESSENTIALS OF NUMERICAL ANALYSIS WITH POCKET CALCULATOR DEMONSTRATIONS



by Peter Henrici

At last — an introduction to applied numerical methods designed for use with calculators — and it's by a master teacher! Prerequisites are modest: calculus including several variables, plus a smattering of linear algebra and differential equations. Most of the work can be done on a programmable calculator of minimal memory; intermediate models will handle the rest.

Computation (instability, propagation of error, condition); Iteration; Recursion; Elimination; Approximation (Hermite, inverse, spline interpolation); Integration, Periodicity (Fast Fourier Transform, convolution, time series); Bibliography; Indices.

Stock #M-98, Wiley, 225p, hardbound $29.95

ESSENTIALS OF NUMERICAL ANALYSIS DEMONSTRATIONS ON THE HP-33E

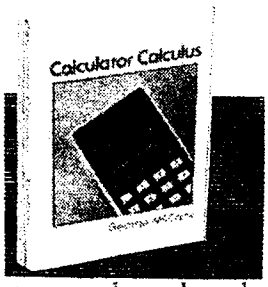
NEW

by Peter Henrici

A supplement to Henrici's Numerical Analysis text, containing programs for virtually all its demonstrations. These programs will run, with little or no revision, on other HP programmable scientific calculators.

Stock #M-128, Wiley, 234p, softbound $12.95

CALCULATOR CALCULUS



by George McCarty

Shows you exactly how, step-by-step, to do real math on your scientific calculator — in just a few days. Ideal for self-study. Plenty of worked-out examples, simple exercises, and practical problems from the biological, social, and physical sciences. Plus important numerical techniques.

Algorithms and Functions, Triangles and Trigonometry, Areas and Volumes, Curves and Polar Coordinates, Limits and Continuity, Differential Calculus, Integral Calculus, Sequences and Series, Differential Equations.

Stock #M-45, EduCALC, 256p, softbound $19.95

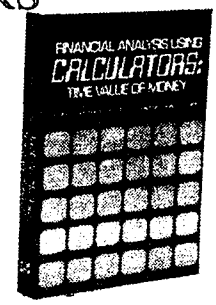
COLLECTOR'S EDITION OF *Calculator Calculus*

If you love books, here is a rare opportunity — a volume to display next to your antique microscope, to cherish beside your letter from von Neumann. THIS EDITION IS LIMITED TO 375 (plus 20 for the author). EACH VOLUME IS NUMBERED AND SIGNED BY THE AUTHOR. The text is a perfect copy of the Revised Softbound Edition: 6th Printing, February 1982. Each volume has been hand-bound in brown Moroccan leatherette that will protect your investment from coffee spills and last a lifetime. Each volume has a ribbon bound right in to its headband to mark your reading place. Each cover is stamped with gold foil to show title and author.

Here is your chance to invest in this fine edition of a book in your own field — a spectacular book which is leading the way as our society learns a new respect for mathematics done on a hand-held calculator. Don't miss out - your order for this LIMITED EDITION will be registered and filled in order of postmarked date as long as the 375 of them last, but there will never by any more after these are gone.

Stock #M-107, EduCALC, 256p, Collectors Binding .. $60.00

FINANCIAL ANALYSIS USING CALCULATORS



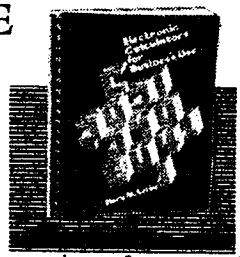
by Greynolds/Aronofsky/Frame

This is the book for practicing professionals. Well-written, detailed, rigorous, comprehensive—for your reference, or if you desire a thorough grounding in techniques for analysis of the "time-value of money." No previous knowledge of calculators is assumed. Any calculator with log keys will do, though financial calculators are suggested and programmability could be useful. Abundant exercises and application problems, plus an Application Index.

Manual Calculations, Compound Interest, Annuities, Continuous Compounding, Variable Cash Flows and Internal Rate of Return (IRR), Balloon Annuities, Add-on Interest and Rule of 78, Short and Long Day Interest, Amount of Final Payment, Section 245 Mortgage Payments, Variable-rate Mortgages, Bonds.

Stock #B-28, McGraw-Hill, 472p, softbound $15.95

ELECTRONIC CALCULATORS FOR BUSINESS USE



by Flora Locke

How to operate the machines used everywhere for general office work. Problems and applications are self-instructional.

Arithmetic, Memory Registers, Percentage, Discounts, Merchandising, Payrolls, Proration, Depreciation, Interest, Loans, Metrics.

Stock #B-78, Wiley, 244p, softbound $19.95

MATHEMATICS: ITS CONTENTS, METHODS AND MEANING

(2nd ED)

NEW

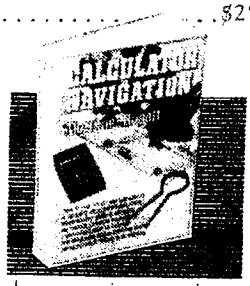
by Aleksandrov/Kolmogorov/Gould

"A do-it-yourself course for the person who would like to know what the chief fields of modern mathematics are all about ... an intellectual gold mine." The New York Times.

For the non-specialist, with historical and motivational material: linear algebra, group theory, functional analysis, differential equations, theory of functions. Emphasizes basic concepts and results. Translated from the Russian.

Stock #M-109, Amer Math Soc/MIT Press, 1163p, 3 vol set softbound $25.95

CALCULATOR NAVIGATION



by Mortimer Rogoff

This book has both — step-by-step instructions for the beginner and careful how-and-why explanations for the experienced seaman. A magnetic-card reading calculator is required.

Coastwise Navigation with regression techniques; Sailing including use of Fourier coefficients for downwind polar performance curves; celestial Navigation with regression for improved accuracy and replacement of the traditional almanac by prerecorded data-cards; Loran A and C; 120 page appendix of programs, with instructions for customizing them to your own vessel and calculator.

Stock #A-94, Norton, 418p, hardbound $31.95

HP-41 SYNTHETIC PROGRAMMING MADE EASY

Release date December 1982

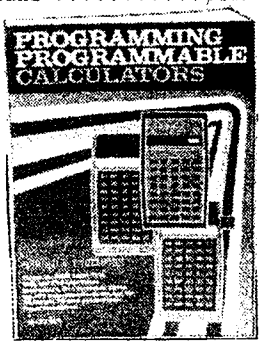
by Keith Jarett

Loaded with examples and step-by-step instructions, this book provides an easy, practical introduction to synthetic programming techniques and applications. An "Examples First Theory Later" approach is used. Recently discovered techniques including "Byte Grabbing" and "Byte Loading" make the learning more fun and easier than ever before. Extended Functions and Time Module applications are included.

All the basics are here, with a full cross-reference to other sources. By chapter three you will be able to key up any synthetic program from the Users' Library or any other source. Isn't it time you found out what you have been missing. (6" inch tri-color Hex Card is also included with book)

Stock #P-146, Synthetic, 188p, spiralbound $16.95

PROGRAMMING PROGRAMMABLE CALCULATORS



by Harold Engelsohn

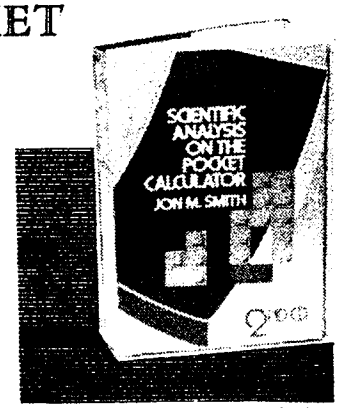
If you have had trouble making sense out of Texas Instruments' owner's manuals, this book is for you. Written for all programmable calculators with algebraic (AOS) logic, this guide makes learning-how-to-program a pleasurable experience (instead of a frustrating one). It gives one step at a time, with plenty of details and fully presented examples and flow charts.

Lots of material on Branches, Loops, Decisions, T-register Tests, Flags, Subroutines, Indirect Addressing. SR-52, SR-56, TI-57, TI-58, TI-59, Commodore PR100; APF Programmable; TI printers.

Stock #P-74, Hayden, 211p, softbound $12.95

SCIENTIFIC ANALYSIS ON THE POCKET CALCULATOR

(2nd edn)



by Jon Smith

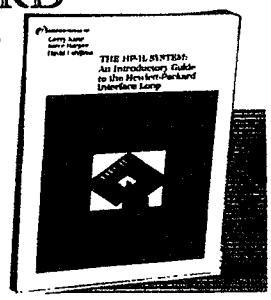
A compendium of practical numerical methods, including formulas, techniques, and flow charts. Key-stroke sequences for both algebraic and RPN logic are given.

Evaluation of Functions, Fourier Analysis, Numerical Integrations, Linear Systems Simulation, Chebyshev and Rational Approximations, Roots, Statistics and Probability, Matrix Analysis, Complex Numbers and Functions, Financial Calculations.

Stock #M-33, Wiley-Interscience, 459p, hardbound .. $25.95

THE HP-IL SYSTEM: AN INTRODUCTORY GUIDE TO THE HEWLETT-PACKARD INTERFACE LOOP

NEW

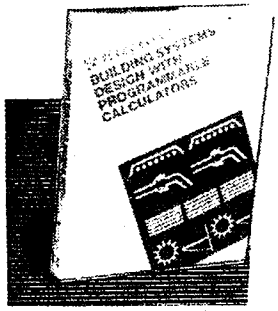


by Kane/Harper/Ushijima

This is the definitive guide to the new Hewlett-Packard Interface Loop. The Loop is a bit-serial interface that links the HP-41C or the HP Series 80 personal computers to a new generation of compact peripherals. Summaries of all HP-IL remote messages and message sequences are also included.

Stock #P-134, Osborne, 106p, softbound $16.95

BUILDING SYSTEMS DESIGN WITH PROGRAMMABLE CALCULATORS



by Sital Daryanani, P.E.

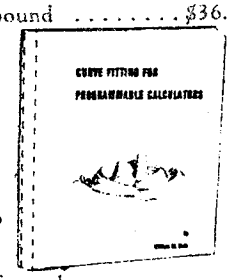
22 time-and money-saving key-stroke programs for this new method—*low-cost, portable, no-delay, error-free* solutions to the architectural designer's most commonly encountered problems. Complete descriptions of design methodology and program usage require no programming skill. For HP-97 or TI-59 printing calculators.

Piping Design based on Colebrook-Fanning equations, Air Duct Design by Static-Regain Method, Lighting Design using Lumen Method, Solar Energy, Life-Cycle Analysis.

Stock #E-80, McGraw-Hill, 306p, hardbound $36.95

CURVE FITTING FOR PROGRAMMABLE CALCULATORS

NEW



by William Kolb

Formulas, graphs and sample problems for a huge assortment — 38 in all — of different curves to be fit to your data.

Most of these are for one independent variable, but multiple linear regression is also covered, along with exotics like Hoerl Functions and Logistic Curves.

The equations are designed for any programmable calculator; however, you may need to change register assignments if you have fewer than 100 data registers. HP-41 programs and barcodes are included for half of these curves.

Stock #M-137, Imtec, 134p, spiral bound $13.95

HEWLETT - PACKARD SOFTWARE

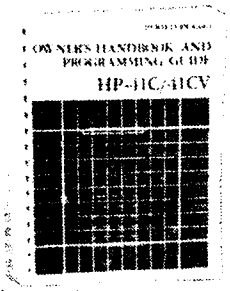
APPLICATION PACS FOR THE HP-41 (MODULES)

Each application module transforms the HP-41 into an answer machine for a particular decipline. These modules contain tremendous new power for your HP-41. Simply plug in the module and in some cases install a keyboard overlay and you have hundreds of hours of proven programming at your finger-tips. Included with each module is a comprehensive manual. The following is a list of the available application pacs and the subject areas that they cover.

Aviation Pac	Stock # H-218	$29.95
Circuit Analysis Pac	H-206	$29.95
Clinical Lab & Nuclear Medicine Pac	H-204	$29.95
Financial Decisions Pac	H-204	$29.95
Financial Decisions Pac-Spanish	H-230	$29.95
Games Pac	H-222	$29.95
Home Management Pac	H-223	$29.95
Machine Design Pac	H-220	$29.95
Mathematics Pac	H-203	$29.95
Mathematics Pac-Spanish	H-229	$29.95
Navigation Pac	H-217	$45.00
Petroleum Fluids Pac	H-239	$75.00
Real Estate Pac	H-216	$45.00
Securities Pac	H-202	$29.95
Securities Pac - Spanish	H-226	$29.95
Statistics Pac	H-202	$29.95
Statistics Pac-Spanish	H-228	$29.95
Stress Analysis Pac	H-221	$45.00
Surveying Pac	H-205	$29.95
Thermal & Transport Science Pac	H-219	$29.95

Time Module, see page 17

SOLUTION BOOKS FOR THE HP-41

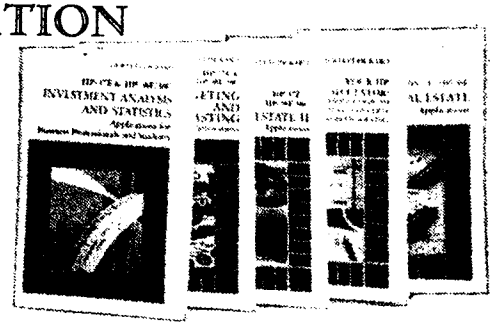


ALL HP-41 SOLUTION BOOKS ARE ONLY — $12.50 EACH!

The solution books provide step-by-step keystroke listings for specific problems in specific deciplines. Although they are not as convenient as the application modules, they cover more programming details in many of the same areas. They are perfect for the person who is involved in specific programming solutions, program modifications, or as a reference program library. The following is a list of the available areas that they cover.

Antennas	Stock # H-293,	$12.50
Business Statistics/Marketing/Sales	H-294,	$12.50
Calendars	H-245,	$12.50
Cardiac/Pulmonary	H-297	$12.50
Chemical Engineering	H-200	$12.50
Chemistry	H-202	$12.50
Civil Engineering	H-289	$12.50
Control Systems	H-292	$12.50
Electrical Engineering	H-288	$12.50
Fluid Dynamics & Hydraulics	H-239	$12.50
Games	H-299	$12.50
Geometry	H-284	$12.50
Heating, Ventilating, & Air Conditioning	H-240	$12.50
High-Level Math	H-283	$12.50
Home Construction Estimating	H-296	$12.50
Lending, Savings, & Leasing	H-286	$12.50
Mechanical Engineering	H-290	$12.50
Optometry I (General)	H-290	$12.50
Optometry II (Contact Lens)	H-244	$12.50
Physics	H-242	$12.50
Real Estate	H-236	$12.50
Small Business	H-237	$12.50
Solar Engineering	H-238	$12.50
Surveying	H-241	$12.50
Test Statistics	H-282	$12.50
Time Module Solutions I	H-295	$12.50

SOLUTION/ APPLICATION BOOKS



HP-11C Solutions Handbook	H-311	$19.95
HP-12C Solutions Handbook	H-312	$19.95
HP-15C Advanced Functions Manual	H-315	$19.95
HP-33E/C Standard Applications Book	H-367	$ 5.00
Standard Applications Book-Spanish	H-368	$ 7.00
Mathematics Application Book	H-330	$ 5.00
Statistics Applications Book	H-331	$ 5.00
Student Engineering Applications Book	H-332	$ 5.00
Surveying Applications Book	H-333	$ 5.00
HP-34C Standard Applications Book	H-322	$ 5.00
Standard Applications Book-Spanish	H-323	$ 7.00
Mathematics Applications Book	H-342	$10.00
Statistics Application Book	H-343	$10.00
Surveying Engineering Applications Book	H-345	$10.00
HP-37E/HP-38E/C Real Estate Applications Book	H-324	$ 5.00
Lending, Savings, & Leasing Applications Book	H-325	$ 5.00
Investment Analysis & Statistics Applications Book	H-326	$ 5.00
Marketing & Forecasting Applications Book	H-349	$ 5.00
Real Estate II (Income Property Analysis)	H-351	$10.00
HP-38E/C Personal Finance Applications Book	H-352	$ 5.00
HP-41 Standard Applications	H-302	$ 5.00
HP-41 Guide For Experienced Users	H-328	$ 5.00

OWNERS HANDBOOKS

Card Readers Owner's Handbook	Stock # H-701	$5.00
Card Reader Owner's Handbook-Spanish	H-702	$10.00
HP82143A Printer/Plotter Owner's Handbook	H-703	$ 5.00
HP82143A Printer/Plotter Owner's Handbook-Spanish	H-704	$10.00
Optical Wand Owner's Handbook	H-705	$ 5.00

OWNERS HANDBOOKS

Optical Wand Owner's Handbook-Spanish	H-706	$10.00
"Creating Your Own Bar Code" Manual	H-707	$12.50
HP-IL Interface Module Owner's Handbook	H-708	$10.00
Digital Cassette Drive Owner's Handbook	H-709	$10.00
HP82162A Thermal Printer/Plotter Owner's Handbook	H-710	$10.00
HP-IL Video Interface Owner's Handbook	H-711	$10.00
HP-IL/GPIO Interface Owner's Handbook	H-712	$10.00
HP-IL Converter Owner's Handbook	H-713	$10.00
Extended Functions/Memory Module Owner's Handbook	H-714	$10.00
Time Module Owner's Handbook	H-715	$10.00
HP-11C	H-717	$10.00
HP-12C	H-718	$10.00
HP-15C	H-719	$10.00
HP-16C	H-720	$10.00
HP-32E	H-721	$ 4.00
HP-33C	H-722	$ 8.00
HP-34C	H-723	$15.00
HP37E	H-724	$ 8.00
HP-38C	H-725	$15.00
HP-41C/CV	H-726	$15.00
HP-67	H-727	$25.00

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ADAPTER/CHARGER FOR:

HP-35, 45, 55, 65, 67, 70, 80 — Stock #	H-501	$15.00
HP-21, 22, 25, 25C, 27, 29C	H-519	$12.00
HP-31E, 32E, 33E/C, 34C, 37E, 38E/C	H-509	$12.00
HP-91, 92, 97	H-533	$25.00
HP-41C/CV	H-520	$35.00

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HP-35, 45, 55, 65, 67, 70, 80	H-504	$40.00
HP-21, 22, 25, 25C, 27, 29C	H-528	$30.00
HP-91, 92, 97	H-537	$60.00

BATTERY PACKS FOR:

Hp-21, 22, 25, 27, 29 — Stock #	H-592	$12.00
HP-35, 45, 55, 65, 67, 70, 80 — Stock #	H-593	$15.00
HP-41C/CV — Stock #	H-591	$25.00
HP-91, 92, 97 — Stock #	H-594	$25.00

THERMAL PAPER FOR:

HP-91, 92, 97 — Stock #	H-545	$10.00

BLANK PROGRAM CARDS FOR: HP-41C/CV 65, 67, 97

40 Magnetic Cards — Stock #	541	$20.00
120 Magnetic Cards — Stock #	543	$50.00
1000 Magnetic Cards — Stock #	506	$250.00

BLANK OVERLAYS FOR:

HP-41 (5 pieces) — Stock #	H-472	$6.50

NEW

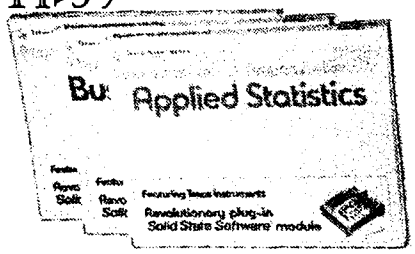
HP-41 TOUCHPAD
Protect your HP-41 from dust and spills Stock # H-400 $18.95

MISCELLANEOUS

Data Mini Cassettes	H577	$ 9.50
1 Meter HP-IL Cable	H567	$15.00
5 Meter HP-IL Cable	H567A	$20.00

TEXAS INSTRUMENTS SOFTWARE

SOLID STATE LIBRARY MODULES FOR THE TI-58C and TI-59

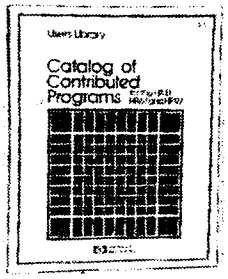


Solid State Software, TI's state-of-the-art advance in micro-memory technology, provides new programming versatility and power. Drop in a tough, durable Solid State Software module and quickly access a program with a few keystrokes. The equivalent of a 25-card library (224-step cards) can be contained in one tiny, plug-in module. Each Library consists of one plug-in module, a comprehensive library manual, a pocket-size quick reference guide and wallet carrying case. Use the library programs from the keyboard following the easy-to-use instructions or use the library programs as sub-routines called from your program. Use your magnetic cards to store program instructions, including sub-routine calls, and store 6K program steps capacity on only two cards. You can also key in a program and use the module programs as sub-routines.

The following Library Modules are available:

Statistics	T-659	$39.95
Real Estate & Investments	T-601	$39.95
Aviation	T-613	$39.95
Navigation	T-602	$39.95
Surveying	T-603	$39.95
Leisure Activities	T-604	$39.95
Business Decisions	T-631	$39.95
Securities	T-605	$39.95
Electrical Engineering	T-606	$39.95
Mathematics	T-674	$39.95
RPN Simulator	T-607	$39.95
Farming	T-608	$55.00

CATALOG OF CONTRIBUTED PROGRAMS FOR HP-41C, HP-67 and HP-97



This is a catalog of programs contributed by users and Hewlett Packard. It is a reference guide to hundreds of programs currently available from HP and comprises a wide variety of fields and applications such as Von Bertalanffy Growth Curve, Obstetrical Ultrasound, Digoxin Dose Calculation and Backgammon Probability Tables. The actual programs may be ordered from HP for about $6.00 and include magnetic cards complete documentation (usually 6 or 7 pages) plus bar code for HP-41C programs.

Stock #H-201, 185p, softbound $9.95

HEWLETT-PACKARD'S HP-41C.

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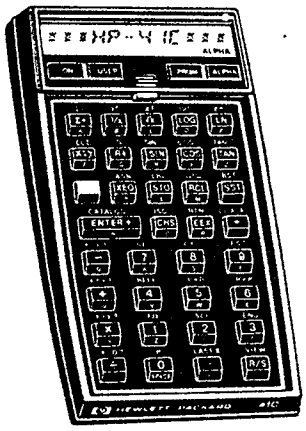

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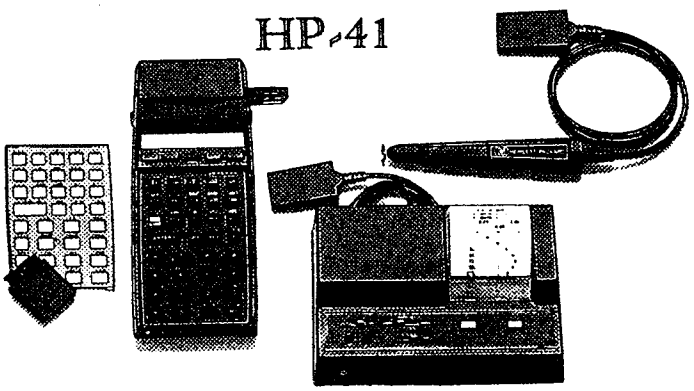
CALCULATOR PERIPHERALS

HP-41



MEMORY MODULES

These handy Memory Modules can actually quintuple the HP-41C's memory. Just plug in as many as you need — up to four — to increase data storage and program memory. Each memory module contains 64 data storage registers or up to 400 lines of program memory, or any combination you select.

Like the calculator itself, the memory modules have Continuous Memory. When installed in the HP-41C, a module maintains data and program lines even when the calculator is turned off.

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Stock #H-481, Extended Memory Module, Requires one H-480 (List $75.00) $63.75

CARD READER

The HP-41C Card Reader is a valuable option which lets you save programs and data on small magnetic cards. This "extra-smart" card reader keeps track of cards as they are read; and it even prompts you for the next card. A security feature permits a program to be run but not reviewed or altered. An added bonus is that it also accepts program cards from the HP-67 and HP-97

Stock #H-404, (List $195.00) $165.95

PRINTER

The HP-41C Printer is a whisper-quiet thermal printer which easily plugs into the calculator. It gives you numeric, upper-and lower-case alpha, and double-wide characters, as well as special characters. And it performs high resolution plotting routines.

Stock #H-443, (List price $385.00) $326.95

WAND

The wand allows you to load programs and data into the HP-41C quickly and easily. Plugged into one of the HP-41C ports, the wand reads bar codes from a printed page, translating these codes into HP-41C program and data information and loading it into the calculator. Long programs can be loaded in a matter of seconds. HP-41C Solutions Books and Users' Library programs are available with printed bar codes.

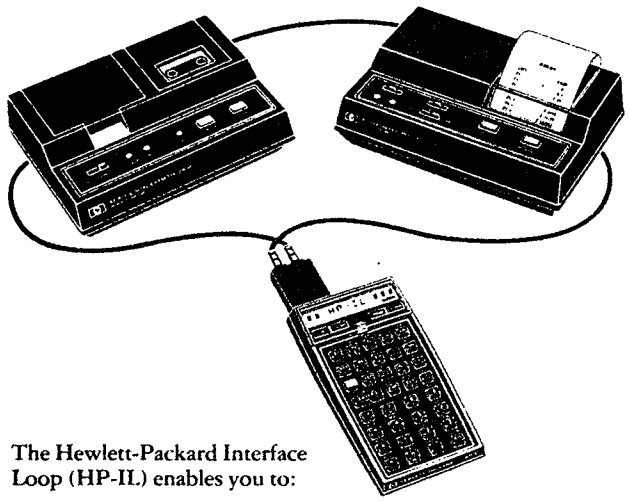
Stock #H-453, (List price $125.00) $105.95

APPLICATION MODULES

See page 15

HP-IL

Your Link with the Future



The Hewlett-Packard Interface Loop (HP-IL) enables you to:

- Connect an HP Digital Cassette Drive to give you 131,000 characters of storage.
- Add an HP Thermal Printer/Plotter to give you hard-copy graphics capabilities.

And this is just the beginning. HP is committed to future HP-IL products.

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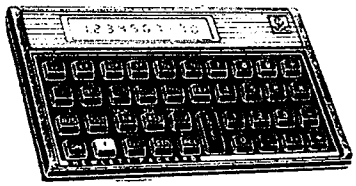
CALCULATORS

HP-10C PROGRAMMABLE SCIENTIFIC WITH DIMENSIONABLE MEMORY

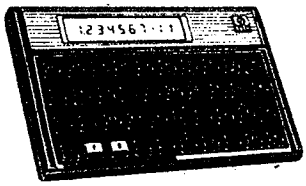


The HP-10C provides basic power and programmability in a lightweight, slim-line design. You can allocate the HP-10C's memory between program lines and storage registers (79), according to your needs. Error messages let you know if you attempt a calculation containing improper operations. The HP-10C performs diagnostic self-checks on keyboard contacts and internal circuitry without program loss.

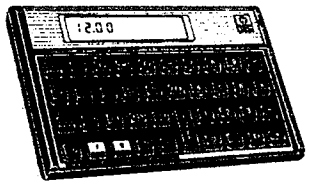
The HP-10C's liquid-crystal display is easy to read, even in bright sunlight.

Stock #HP-10C (List Price #80.00) $65.95

HP-11C Scientific



HP-12C Financial



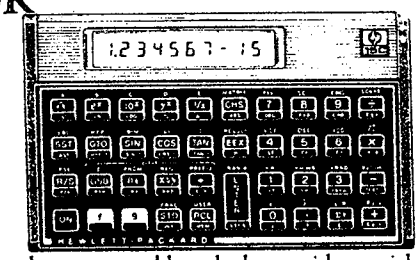
The HP-11C Slim-line Programmable Scientific Calculator takes on everyday problems in science, math or engineering with the shirt-pocket-size HP-11C. Dedicated scientific functions for quick answers to computations. Easy-to-learn programming with up to 203 program lines. Handy program editing tools. Continuous Memory saves your programs and data.

Stock #HP-11C (List price $135) $81.95

The HP-12C Slim-line Financial Programmable Calculator, now business solutions can be as close as your pocket. Extensive financial and statistical functions to solve your tough business calculations. Continuous Memory saves programs and data. Programmable to make short work of long, repetitive problems. Just four ounces.

Stock #HP-12C (List price $150) $121.95

HP-15C SLIM-LINE ADVANCED PROGRAMMABLE CALCULATOR WITH SPECIAL FUNCTIONS

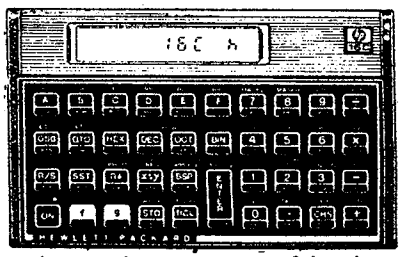


The Hp-15C is an advanced programmable calculator with special functions that enable you to solve problems involving matrices and complex arithmetic. The calculator can also find the roots of an equation (solve) and perform numerical integration (integrate).

Advanced programming features include: 448 program lines, label addressing, insert/delete editing, 7 subroutine levels, program review (singlestep and backstep), and 12 conditional tests.

Stock #HP-15C (List Price $135.00) $109.95

THE HP-16C



Released in July of 1982, this is the most powerful calculator designed for computer science and digital electronics applications. As a technical professional, you probably spend a lot of your time on "grunt work" —converting among number bases, determining the outcome of Boolean operations, or emulating individual processor instructions. The HP-16C can free you from this tedious paperwork. Now you no longer have to memorize number base conversions or work them out by hand. At the press of a key, the HP-16C will convert your number into one of four number bases: binary, octal, decimal, or hexadecimal. You can even perform arithmetic in any one of the four number bases. With the aid of the HP-16C's programming features, you can perform such tasks as simulating processor instructions. The HP-16C can hold a maximum of 203 program lines or 101 16-bit data registers.

Stock #HP-16C (List Price $150.00) $125.95

TEXAS INSTRUMENTS
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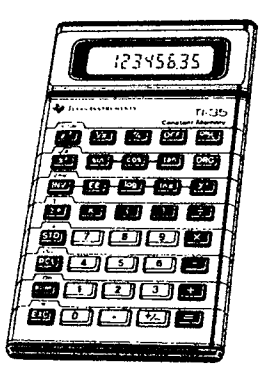

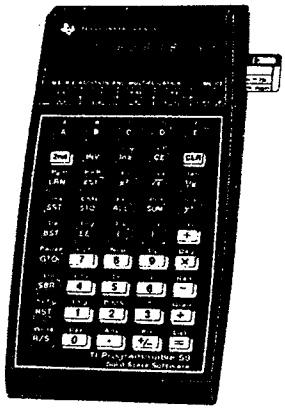

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