# SERVE NEVS



**FIRE WORK** 

#### **Mystery Electronic Top**

Gadget

A Look into the Future! Spins for days on Invisible Power
Unique Christmas Gift

What Makes It Go On and On and On at 2500 r.p.m. with no apparent energy source? BAF-FLING BRAIN BUSTER that BUGS the BRIGHTEST. Demon-

FLING BRAIN BUSTER that BUGS the BRIGHTEST. Demonstrated at science fairs and conventions. The higher their ID the more puzzled they are. Examine it, start it, stop it or whatever. Perpetual Motion solved at last? The answer to spaceships & UPO? Psychic Power? Anti-Gravity? Scientific Breakthru from Space? You'll laugh at some explanations. Magic, Mystery & Science combined. Keeps spinning WITHOUT ANY APPARENT ENERGY LOSS! Fascinating fun at parties, science classes, etc. Carry in pocket ready to fool and entertain friends & wise guys. Spins for days on Invisible Wireless Power that you can defy anyone to Sea, Understand or Explain! Beautifully made with plastic base and saucer shaped spinner. Secret scientific explanation included. Orders shipped promptly. Money Back Quarantee. Send check or money order for \$9.55 each. Add \$1.25 shipping & handling. Save: Get 3 for \$28.55 plus \$1.50 shipping; 6 for \$53.75 plus \$2.00 shipping, Master Charge or Visa accepted by mail or phone. Give card number & explanation. Phone: (313) 791-2800. Johnson Smith Co., 35075 Automation Dr., Dept. 120, Mt. Clemens, Mich. 48043

SUPER MAGNET

Lifte 1.75 December.

#### SUPER MAGNET Lifts 175 Pounds

Powerful, pocket-size magnate lift up to 175 pounds solid steel. Tosted & proven on steel block Stronger than any other magnet of comparable size. Go treasure hunting, Do amazing stunts. Fish underwater 1001 uses. 3 sizes & styles: 50 lb. lift magnet. 2" long, \$4.75 each; 100 lb. lift magnet, 4" long with handle, \$4.95 each; 100 lb. lift magnet, 4" long with handle, \$4.95 each;



**Sound Activated** Switch — \$1.95 SURPLUS BARGAIN! Turns of ights, bells, horns, sirens, alarm





#### LEARN ELECTRONICS COMPONENT OF THE MONTH CLUB® is offering an easy, interesting, practical, fun way of discovering electronics at a very small cost. As a member you would receive every month a new and different component with informative booklet describing the component and its characteristics, how it is used, how you can use it and experiments you can perform. Also included in the booklet are problems practical applications and a glossary of new terms Previous experience in electricity or mathematics is not required, but would be helpful. The experiments are designed to be performed with minimal inexpensive equipment. Fill out the form below and start your adventure into the exciting world of electronics.....Today!!! · · · For ages 9 to 90 · · · Mail to: COMPONENT OF THE MONTH CLUB® P.O. BOX 15121 DEPT. 90 PHOENIX, ARIZONA 85060 TY, STATE, ZIP BASIC COMPONENT SERIES DIGITAL IC SERIES 3 MONTHS - \$5.95' PLUS \$2,50 MLNG & HNDL B MONTHS - \$17.95 PLUS \$4,50 MLNG & HNDLNG 12 MONTHS - \$29.85 PLUS \$7.50 MLNG & HNDLNG FREE COMPONENT OR IC TEST BOARD W/12 MOS. SUB FIRST DIGITAL IC ONLY - \$2.00 SEND MORE INFORMATION AMOUNT ENCLOSED S CHARGE TO: VISA | MASTERCARD \$10 MIN. CH INTERBANK #\_

NZONA RESIDENTS PLEASE ADD LOCAL TAX. Circle No. 121 on Reader Service Card

#### Wonders of the Universe 1982 Calendar



Galaxies, nebulae, star clusters, planets, the aurora, even the flery launch of Space Shuttle. Every page a large color photograph of an astronomical spectacular from the world's greatest observatories includ-ing: Anglo-Australian, Kitt Peak, Lick, Palomar, U.K. Schmidt, U.S. Naval Observ-atories, and NASA spaceprobes. These calendars make wonderful gifts;

photographs are suitable for framing

- ☐ Enclosed is \$7.95 (\$6.95 plus \$1 postage) for one calendar

  Enclosed is \$7.50 each for 2 or
- more calendars
- ☐ Enclosed is \$1.00 for complete astronomical catalogs

SHIPPED FIRST CLASS POSTAGE ADD \$5.00 PER CALENDAR FOR FOREIGN AIRMAIL POSTAGE

Send check or money order to:

#### Hansen Planetarium

15 South State Street, Dept. SNH-10 Salt Lake City, Utah 84111

Circle No. 122 on Reader Service Card

### WASHINGTON



THE HOTEL TABARD, INN

near dupont circle

1739 N ST NW WASHINGTON, DC (202)785-1277

OPEN SEVEN DAYS A WEEK FOR BREAKFAST, LUNCH & DINNER

## The Future Belongs to the Computer Wise

## Creative Computing The magazine for everyone

As the premier magazine for beginners, Creative Computing makes computers comprehensible to the newcomer. However, beginners become experts remarkably quickly so applications and programming techniques for all levels of expertise are included. New and important ideas in the computer field are published in such a way that a 14 year-old student, a business manager, or a relaxing professional can understand and use them.

Along with tutorials, articles and new applications, *Creative Computing* also presents the hardest-hitting evaluations in the field. New systems, peripherals, and software are reviewed in-depth and without bias. \$20.00 per year (12 issues). To order, circle "A" on the Reader Service Card.

## The Best of Creative Computing Vol. 1

Edited by David Ahl. All the articles, stories, learning activities and games that appeared in the first year of *Creative Computing*. American Vocational Journal says "This book is the 'Whole Earth Catalog' of computers." Contents cover the gamut of computer applications in education and recreation. Over 200 contributors! Now in its fourth print run with an exciting new cover. 328 pp. 8 1/2 by 11" softbound. \$8.95. To order, circle "B" on the Reader





## The Best of Creative Computing Vol. 2

Edited by David Ahl. A staggering diversity of information and activities culled from the issues of the 2nd year of *Creative Computing*. Includes features on artificial intelligence, computers in education, and the arts. American Libraries says, "Nontechnical in approach, its pages are filled with information, articles, games and activities. Fun Layout." 67 pages devoted to puzzles, programs, and things to do. The reviews alone make it a bargain. 336 pp. 8 1/2 x 11" softbound. \$8.95. To order, circle "C" on the Reader Service Card.

## The Best of Creative Computing Vol. 3

Edited by David Ahl and Burchenal Green. 336 pages of articles, activities, fiction, games, programs, reviews, cartoons, and

other information from the 1977 issues of *Creative Computing*. Includes features on technology, public access, educational use, medical applications and computers in music. Also contains great resource listings and reviews of calculators, games, equipment, software and books. And there are 96 pages of things to do—puzzles, programs, problems and games. Large format. 8 1/2 x 11" softbound. 336 pp. \$8.95. To order, circle "D" on the Reader Service Card.

## The Colossal Computer Cartoon Book

Edited by David H. Ahl. We want to leave you laughing. The best collection of computer cartoons ever is now in its second printing. There are fifteen chapters, several hundred cartoons about robots, computer dating, computers in the office, and much more. Keep the book with your reference works. When needed, the right cartoon can say it all for you. Provides hours of fun and comic insight. 120 pp. 8 1/2 x 11" softbound. \$4.95. To order, circle "E" on the Reader Service Card.





#### **Basic Computer Games**

Edited by David H. Ahl, this is a complete anthology of 101 favorite games and simulations, each complete with sample run, program listing, and description. All games run in standard Microsoft Basic with a Basic conversion table included. Easy to run with any computer. These imaginative and challenging games are for one, two or more players. Play Basketball, Craps, Gomoko, Blackjack, Even Wins, Super Star Trek, Bombs Away, and Horserace. Simulate lunar landings. Play the stock market. Write poetry. Draw pictures. 350,000 copies in print. 192 pp. 8 1/2 x 11" softbound. \$7.50. To order, circle "F" on the Reader Service Card.

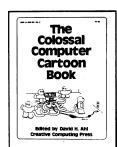
#### **More Basic Computer Games**

Edited by David H. Ahl and Steve North, this fantastic sequel to Basic Computer Games contains sample run, program listing, and description for 84 new games. All run in standard Microsoft Basic and a Basic conversion table is included. Dr. Dobb's Journal says, "Whether you are interested in war games, gambling, sports, grids and mazes, space, psychology, drag racing or throwing mudballs, *More Basic Computer* 

Games has something in it for you." Evade a man-eating rabbit, crack a safe, tame a wild horse, become a millionaire, race your Ferrari, joust with a knight, trek across the desert on a camel, or navigate in deep space. 200 pp. 8 1/2 x 11" softbound. \$7.95. To order, circle "G" on the Reader Service Card.

## More Basic Computer Games: TRS-80 Edition

Edited by David Ahl and Steve North, all 84 games are converted to run on level II 16K TRS-80 machines. Radio Shack users will delight that the conversion work on these imaginative and challenging games has been done for them. Just type the listing into your machine for endless hours of fun. 200 pp. 8 1/2 x 11" softbound. \$7.95. To order, circle "H" on the Reader Service Card.





#### **Problems for Computer Solution**

By Stephen J. Rogowski. 90 intriguing and fascinating problems, each thoroughly discussed and referenced, make an excellent source of exercises in research and problem solving. Arithmetic, algebra, geometry, number theory, probability and science are examples of the types of problems included. The book also contains 7 appendices and 3 classic unsolved problems. Dr. Dobb's Journal says, "The problems are clearly and concisely stated."

This great classroom book is 104 pp. 8 1/2 x 11" softbound. \$4.95. To order, circle "I" on the Reader Service Card.





The Teacher Edition contains solutions to the problems, each with a complete listing in Basic, sample run, and an in-depth analysis explaining the algorithms and theory involved. It is 192 pp. 8 1/2 x 11" softbound. \$9.95. To order, circle "J" on the Reader Service Card.

#### **Computer Music Festival Record**

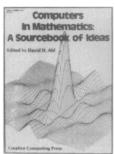
A recording of the Festival was made and is now available on a 12" LP record. It features eight different computer music synthesizers programmed to play the music of J.S. Bach, J. Pachelbel, Rimsky-Korsakov, Scott Joplin, Neil Diamond, Lennon & McCartney, and seven others. The music ranges from Baroque to Rock, Traditional to Rag, and even includes an historic 1963 computerized singing demonstration by Bell Labs. \$6.00. To order, circle "K" on the Reader Service Card.



## Computers in Mathematics: A Sorcebook of Ideas

Edited by David Ahl. This huge sourcebook contains selections on computer literacy, problem solving techniques, art and graphing, simulations, computer-assisted instruction, probability, functions, magic squares, and programming styles. In one section alone there are over 250 problems, puzzles, and programming ideas.

Pragmatic, ready-to-use classroom ideas are presented for everything from the most basic introduction to binary numbers to advanced techniques like multiple regression analysis and differential equations. Includes complete explanation including flowcharts, program listings, and sample runs. 224 pp. 8 1/2 x 11" softbound. \$15.95. To order, circle "L" on the Reader Service Card.





#### Tales of the Marvelous Machine Thiirty-Five Stories of Computing

Edited by Robert Taylor and Burchenal Green. In 35 engrossing stories about computers, authors Frederick Pohl, Charles Mosmann, M.V. Mathews, and others depict a world in which computers affect the way people live, think, and relate to each other. This is a drama of what a computer-saturated future can be like. Will computers improve or worsen the human condition? Sports stories. Love stories. Detective stories. Science fiction. Philosophy. Parody. Whimsy. It's all here. Fully illustrated. 272. pp. 8 1/2 x 11" softbound. \$7.95. To order, circle "M" on the Reader Service Card.

## Society and Ethics: A Bibliography

By Gary M. Abshire. A must for introductory courses. Where is the computer leading us? Is it a menace or a messiah? What are its benefits? What are the risks? This bibliograghy was created to help answer questions like these. It contains 1,920 alphabetical entries of books, magazine articles, news items, scholarly papers and other works dealing with the impact of computers on society and ethics. Covers 1948 through 1979. 128 pp. hardbound. \$17,95. To order, circle "N" on the Reader Service Card.



#### **Computer Coin Games**

By Joe Wiesbecker. Learning how computer circuitry works can be fun! All you have to do is slide around a few pennies. Computer Coin Games presents a series of interesting games—with full size playing boards—that trace the paths of electronic signals through various simple computer circuits.

Beginning with the "basic penny switch filp flop" the games increase in level of difficulty until the reader is creating intricate networks. Why binary math is used in computers, how it works, how the computer counts, adds, subtracts, uses number base, and handles letters and words—all are explained.

Play "Tic Tac Toe," "Guess a Word," "Create a Pattern," and "Escape the Network." This book is a delightfully clear introduction to the complicated concepts of computer circuitry.

Great cartoons by Sunstone Graphics. 96 pages, paperbound, \$3.95. To order, circle "O" on the Reader Service Card.



#### **Computers For Kids**

By Sally Greenwood Larsen. These wonderful books will provide children with a complete, simple-to-understand, step-bystep guide to using the computer. Each book explains what a computer is, how to run the computer, how to load and save programs, how to write flowcharts, and how to program in Basic. The use of graphics, PRINT, Variables, GOTO, INPUT, IF-THEN, and FOR-NEXT is explained and sample programs are included. A glossary of statements and commands makes learning even easier.

For parents and teachers, a special section offers valuable teaching techniques, solutions to command hardware problems, and

lesson ideas to accompany each chapter. Sample worksheets are provided. The large type makes the book easy to read. 11 x 8 1/2" softbound, *Computer for Kids* comes in three editions: TRS-80 Edition (to order, circle "P" on the Reader Service Card); Apple Edition (to order, circle "Q" on the Reader Service Card); and Atari Edition (to order, circle "R" on the Reader Service Card). Each book is \$3.95.



#### Katie and the Computer

Fred D'Ignazio and Stan Gilliam have created a delightful picture book adventure that explains to a child how a computer works. Katie "falls" into the imaginary land of Cybernia inside her Daddy's home computer. In her travels, she meets the Software Colonel, the Bytes, the Table Manager, and even the ferocious Program Bug. Her journey parallels the path of a simple command through the stages of processing in a computer, which introduces the fundamentals of computer operation to 4 to 10 year olds. Supplemental explanatory information on computers, bytes, hardware, and software is contained in the front and back. 42 pp., hardcover. \$6.95. To order, circle "S" on the Reader Service Card.

#### **Be A Computer Literate**

By Marion J. Ball and Sylvia Charp. Used as a text in many schools, this informative, full-color book is an ideal introduction to the world of computers. The book explains the different kinds of computers, how they work, and how to write a flowchart and a simple program. The book also contains brief explanations of how computers are used in over sixteen different fieldsmedicine, law enforcement, art, business, transportation, education and others. Full color drawings, diagrams, and photos on every page-coupled with large type-make this book easy to read and understand. The simple glossary provided will familiarize beginners with essential computer terminology. 66 pp. 8 1/2 x 11" softbound. \$3.95. To order, circle "T" on the Reader Service Card.

#### Free Catalog

A 48-page catalog is available from Creative Computing. Includes descriptions on 20 books on programming, games, and educational applications; 160 software packages for several personal computers; 3 magazines (Creative Computing, Sync, and Microsystems); 5 graphics and music peripherals; t-shirts and more. To order, circle "U" on the Reader Service Card.

#### creative computing

39 E. Hanover Avenue Morris Plains, NJ 07950