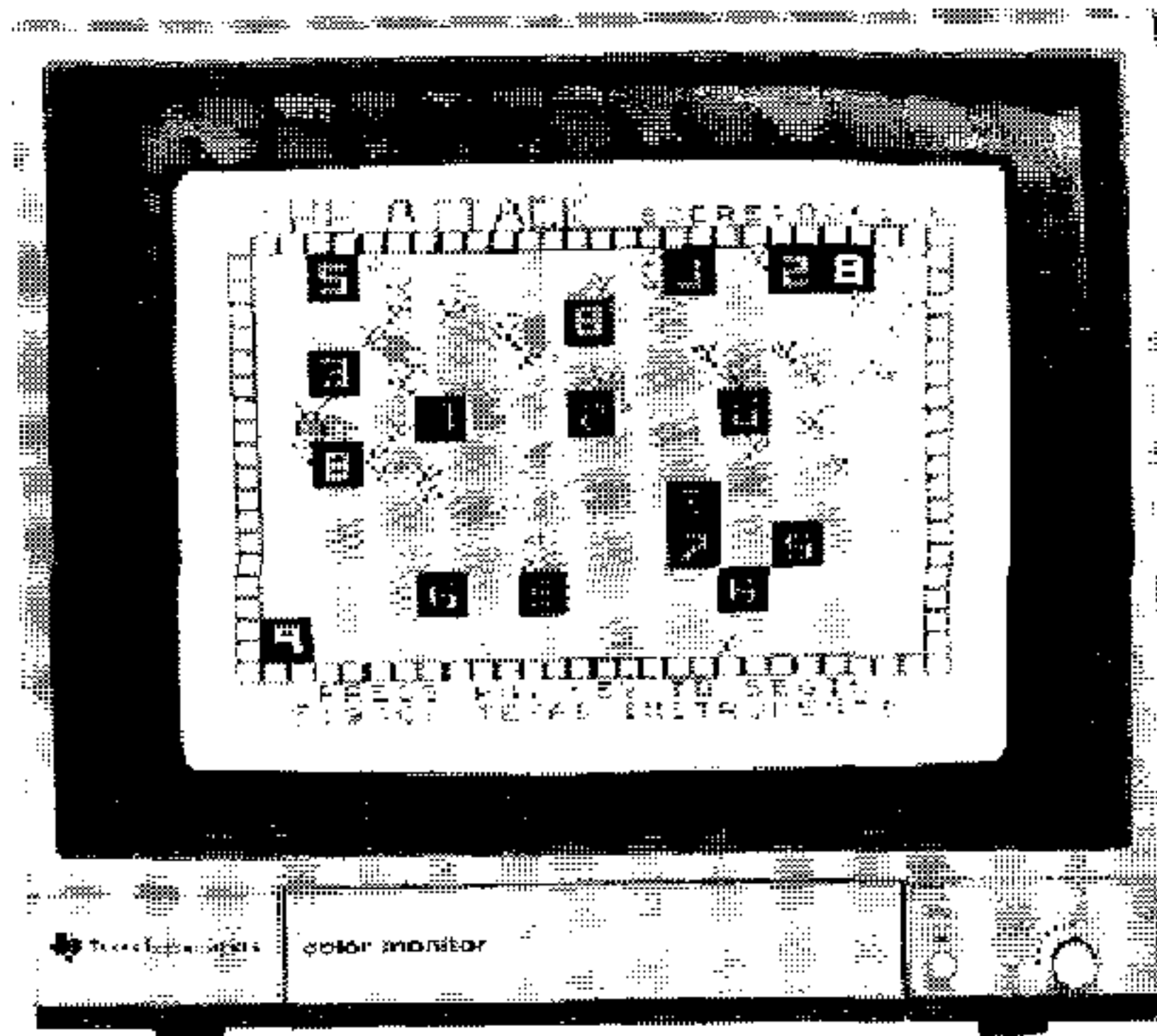


User's Newsletter

The Attack* Is Here!



The Attack* is a one-player game on four levels of difficulty which challenges you to successfully attack an onslaught of aliens.

The wait is finally over! TI's most exciting new entertainment package, The Attack*, is now available. While you travel through space as the commander of a fleet of spaceships, infestations of "spores" gather to create "aliens." These "aliens," if uncontrolled, pose a serious threat to the safety of the cosmos. Your mission is to maneuver your ship to avoid these deadly creatures, while firing missiles to destroy both

"aliens" and gathering "spores."

This entertainment package provides continuous excitement and action. Four levels of difficulty enable anyone, from the novice to the pro, to enjoy the challenge of The Attack*. This *Solid State Software*™ Command Module (model number PHM 3031) has a suggested retail price of \$39.95 and can be used with optional Wired Remote Controllers.

*A trademark of Milton Bradley Co.

Winners Announced in Author Incentive Program

Texas Instruments is proud to announce the winners of the Author Incentive Program — a contest for authors of quality, innovative, microcomputer software. The contest, which started in September, resulted in the award of cash prizes to the top 26 entries. One \$3,000 award, five \$1,000 awards, and twenty \$500 awards were included. The winners will be featured in a one-page ad in the summer edition of *onComputing*.

FIRST PRIZE WINNER (\$3,000)

Charles M. Ehninger
Household Inventory System

The Household Inventory System allows the TI-99/4 user to build and maintain an up-to-date list of household inventory items. The package calculates the "actual replacement value" of each item based on its purchase date and the previous years' price indices (such as those published by the U. S. Bureau of Statistics). The package is especially useful for compiling

a comprehensive list of reimbursable property when filing an insurance claim. The program not only provides a simple way to prepare and maintain a list of assets, but also can automatically compute the actual replacement value of each item of property. Up-to-date lists of assets can be produced on a regular basis with this easy-to-use package.

SECOND PRIZE WINNERS (\$1,000)

Fred J. Baker
Kepler — Planetary Motion
Norman S. Kerr
Mendelian Inheritance in Widgeles
Jack Kirby
Math Remediation
Glen M. Kleinman
Teaching Tools — Addition
Wayne O. Williams
Metric System Tutor

THIRD PRIZE WINNERS (\$500)

John M. Anderson
Quantitative Business Techniques Tutorial
Donald E. Bertrand
Stock Chart and Timing System
Edward G. Blakeway
Math Pack I
Morris C. Burkhardt
Discrete Probability Distribution
Chris and Craig Christianson
Flags — Flag Recognition

William Q. Christianson
FHASTEP — Loan Analysis
John and Norma Clulow
Music Program
Charles W. Engel
Games — Microregatta and Buccaneer
Richard A. Ertl
Mini Planner
Suzanne M. Hawkinson
Context — On-line Text Presentation
Colin James III
Astrology
Rajeev Jayavant
Chemistry
Robert M. Kiehn
Client Log Time Billing
Richard I. Larson
Automobile Cost Analysis
Richard L. Loggins
Order Tracking V1. 2
Melvin W. Mills
Golf Handicapping
Robert J. Prondizinski
Graphics Design System
Don C. Rich, Jr.
Chemistry Helper
Janet Rieker
AMWAY Inventory, Orders
Alan Winkley
PIPEINCR — Fluid Flow Analysis

The Personal Computer User's Newsletter is published by the Texas Instruments Personal Computer Division, P.O. Box 53, Lubbock, Texas 79408. All correspondence concerning this newsletter should be mailed to the above address.

New Software Packages Available

Since the first edition of the Application Program Directory, several TI software packages have become available. In addition, other companies have been developing software for the TI-99/4. For complete information, check with your dealer for next month's issue of the updated Application Program Directory, or telephone Texas Instruments Consumer Relations at 1-800-858-4565. Within Texas, call 1-800-692-4279. The new TI software packages for the TI-99/4 are described here.

Weight Control & Nutrition

This *Solid State Software*™ Command Module (model number PHM 3021), developed in cooperation with Better Homes and Gardens®, designs well-balanced meals to improve your fitness through good nutrition and personal weight tracking. After the computer suggests a recommended weight for your height, sex, and build, you select a target weight. The computer then estimates daily calorie requirements, creates weekly menus, and provides an analysis of the menus in terms of calories and 11 essential nutrients. Selecting preferred foods from a list of 200 possibilities assures menus designed with the types of food you enjoy. Up to 5 people may participate in a weight control plan. The menus are designed to meet U. S. Recommended Daily Allowances (RDA) for adults.

The suggested retail price is \$59.95. The package requires either a cassette recorder and cable or a TI Disk Memory System (TI Disk Drive Controller and TI Disk Memory Drive) for storage of information. The TI Thermal Printer or RS232 Interface and a compatible printer are optional.

Bridge Bidding I

Let the TI-99/4 tutor you in the art of expert bridge bidding. Bridge Bidding I was developed for TI by world championship bridge players, Robert Hamman and Robert Wolff of the "Dallas Aces." It tutors bridge players on the steps necessary to reach the correct contract for a particular hand. Bidding situations included are opening bids, overcalls, bidding to game, bidding no trump or a suit, and choosing a suit. You play South and determine your bid for each hand. The computer provides bids for North and your East-West opponents. When it is your turn again, the computer gives you three chances to choose the preferred bid. If you fail to do so, the computer gives the correct answer with an explanation.

Bridge Bidding I is available on diskette at a suggested retail price of \$29.95, or on cassette at a suggested retail price of \$24.95. The diskette-based version (model number PHD 5025) requires the TI Disk Memory System (TI Disk Drive Controller and TI Disk Memory Drive). The cassette-based version (model number PHT 6025) requires a cassette recorder and connecting cable.

Market Simulation

This educational, two-player game simulates companies in sales competition. Both companies produce the same product and have the same costs for manufacturing, storing inventory, and borrowing money. The success of a particular company depends on how well the production levels, advertising budgets, and pricing strategies are managed by each player. Random events, such as worker strikes, make the simulation more realistic. The players base their decisions on information given in

quarterly reports. This information includes net profit, percentage of market share, costs, inventory size, cash, and accumulated assets. The game ends when one person either goes bankrupt or accumulates \$12,000 of assets.

Market Simulation is available on diskette at a suggested retail price of \$19.95, or on cassette at a suggested retail price of \$14.95. The diskette-based version (model number PHD 5018) requires the TI Disk Memory System (TI Disk Drive Controller and TI Disk Memory Drive). The cassette-based version (model number PHT 6018) requires a cassette recorder and connecting cable.

Programming Aids II

Manipulation of data files becomes easy with this programming utilities package (model number PHD 5005). The first program allows you to sort data within fixed-length disk files using a bubble or shell sort to sort data in ascending or descending order. You specify both the types of fields used in the record and the variable on which the data is sorted. With the second program you can create an output file when sorting a file. This output file may be a relative or pointer file. The third program allows two compatible, fixed-length data files (sorted on the same field) to be combined into a single sorted data file. A fourth program allows you to display or print the actual contents of a data file (program "DUMP").

The Programming Aids II package has a suggested retail price of \$24.95 and requires the TI Disk Memory System (TI Disk Drive Controller and TI Disk Memory Drive). A TI Thermal Printer or RS232 Interface and a compatible printer are optional.

Software Packages Available From Other Companies

Many of these software packages are available through the 99/4 Home Computer Users-Group. The address for this organization is:

99/4 Home Computer Users-Group, Inc.
P. O. Box 95148
Oklahoma City, OK 73143
(405) 787-8521

The addresses of other software developers are given just above the lists of packages they offer.

BOB CHASE
c/o 99/4 Home Computer Users-Group, Inc.
TI BINGO
Cassette

CREATIVE COMPUTING
Software Development
P. O. Box 789-M
Morristown, NJ 07960
(201) 540-0445

BRAIN GAMES
Cassette CS-6002
STRATEGY GAMES
Cassette CS-6003
KNOW YOURSELF
Cassette CS-6301
STRATEGY AND BRAIN GAMES
Diskette CS-6501

DENALI DATA
c/o 99/4 Home Computer Users-Group, Inc.
BLACK BOOK
Cassette
FLYER PROGRAM
Cassette

EHNINGER ASSOCIATES INC.
c/o 99/4 Home Computer Users-Group, Inc.
ALL STAR BASEBALL
Cassette
LEAPFROG
Cassette
NIM
Cassette
DOCTOR NUTTIER,
RESIDENT PSYCHIATRIST
Diskette
WALL STREET
(A STOCK MARKET SIMULATION)
Cassette
LAS VEGAS BLACKJACK
Cassette
TIC-TAC-TOE
Cassette

LARRY HALL & ASSOCIATES
c/o 99/4 Home Computer Users-Group, Inc.

HANGMAN
Cassette
PEGBOARD
Cassette
SCRAMBLED LETTERS PUZZLE,
NUMBER & ALPHABET HI-LO
Cassette
HIDDEN NUMBERS
Cassette
BARRIER
Cassette

MICRO-ED INC.
P. O. Box 24156
Minneapolis, MN 55424
(612) 926-2292

GRAMMAR
THE VERB
Diskette GR-3
MATHEMATICS
COUNT 'EM
Diskette MA-2
BAR GRAPH
Diskette MA-12
MUSIC
HIGHER, SAME, LOWER
Diskette MU-2
OTHER
TRAIL WEST
Diskette OT-1
DIRECTION AND DISTANCE
Diskette OT-2
CLOCK
Diskette OT-5
HAT IN THE RING:
A PRESIDENTIAL
ELECTION GAME
Diskette OT-9
READING
IDENTIFYING COMPLETE
SENTENCES
Diskette RE-9
REFERENCE SKILLS
MAKING AN OUTLINE
Diskette RS-3
SPELLING
GRADE 2
Diskette SP-2
GRADE 3
Diskette SP-3
GRADE 4
Diskette SP-4
GRADE 5
Diskette SP-5
GRADE 6
Diskette SP-6
VOCABULARY
VOCABULARY SERIES
Diskette VO-2(OH)
ANTONYM MACHINE
Diskette VO-3
HOMONYM MACHINE
Diskette VO-4

Non-TI products are listed in this newsletter for your information. Their inclusion does not represent an endorsement by TI, and lists are not necessarily complete.

NOT-POLYOPTICS
c/o 99/4 Home Computer Users-Group, Inc.

STARSHIP PEGASUS
Cassette
KHE SANH
Cassette
SENGOKU JIDAI
Cassette
TICKWORLD
Cassette
CROSSES
Cassette
MAZE OF ARIEL
Cassette
CARS AND CARCASSES
Cassette

PEWTERWARE
c/o 99/4 Home Computer Users-Group, Inc.

DECATHALON
Cassette
CHALLENGE POKER
Cassette

TUTOREX
c/o 99/4 Home Computer Users-Group, Inc.
TREASURE DIVE
Cassette

WALTER WILSON, INC.
c/o 99/4 Home Computer Users-Group, Inc.
INVENTORY
Diskette
ACCOUNTS RECEIVABLE
Diskette

RANDOM BITS

Editor's Note: This column presents suggestions and ideas for using the TI-99/4 Personal Computer and its accessories. We would like to publish your programming problems, solutions, and ideas. Send letters to:

Personal Computer
Newsletter
Texas Instruments
Incorporated
P. O. Box 53
Lubbock, TX 79408
Attn: Editor

Technical Data for the TI-99/4
Technical information for the TI-99/4 concerning the I/O pin

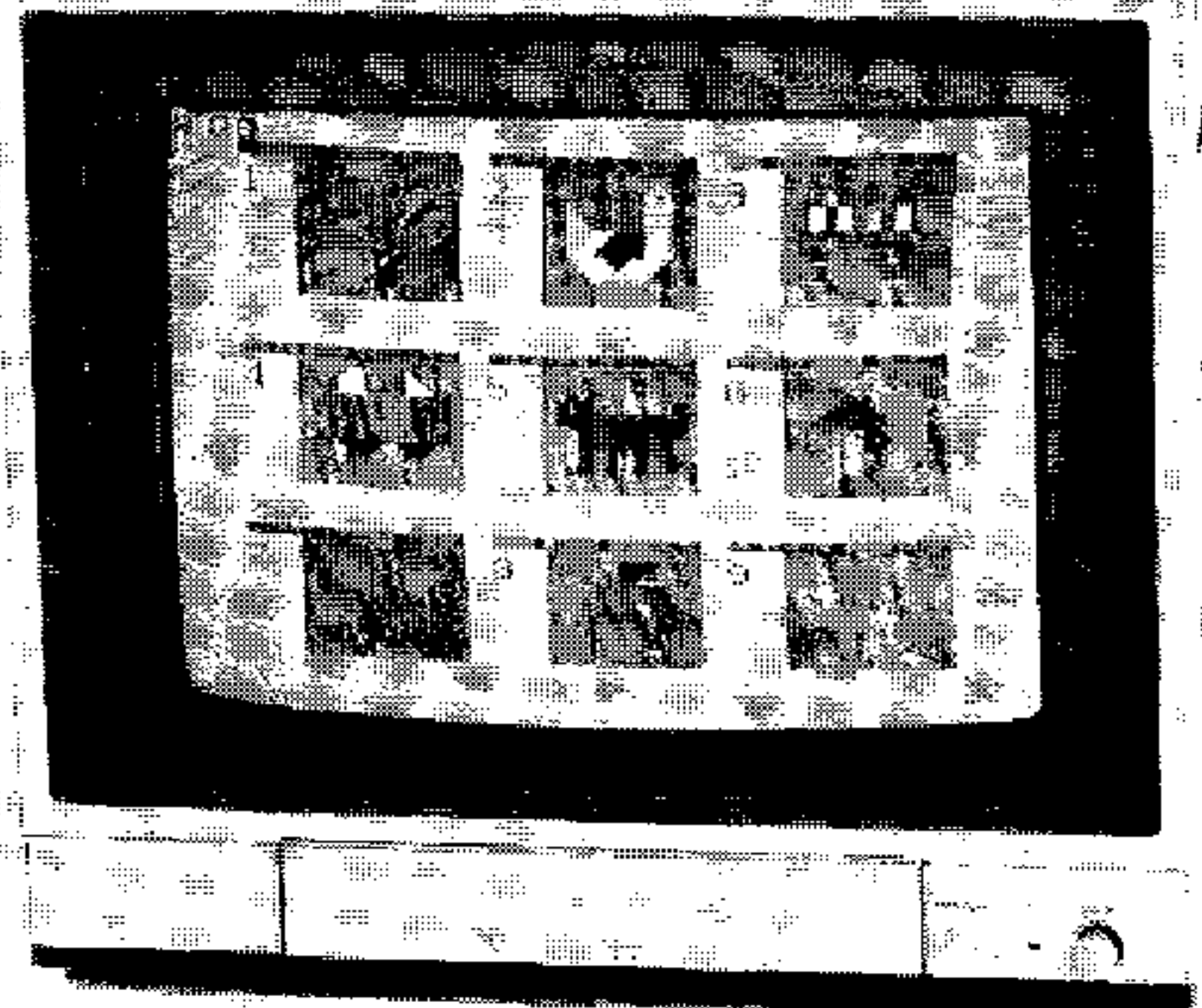
(see RANDOM BITS, page 4)

(RANDOM BITS, cont'd)

description, memory allocation, CRU allocation, interrupt handling, and electrical characteristics is now available. Part of this information is a number of illustrations including the TI-99/4 system block diagram, I/O read/write timing as well as CRU timing, connector pin identification, logic board component location and schematic diagram. To obtain a copy, send \$10 for the manual, \$1 for shipping and handling, and local sales tax (if applicable) to:

Dealer Parts Department
P. O. Box 53
Texas Instruments
Incorporated
Lubbock, Texas 79408

New Color Monitor



A new color monitor, smaller and lighter than the previous model, is now available for the TI-99/4. This 10" color monitor has very high color resolution and a suggested retail price of \$374.95. The model number is PHA 4100.

How to Order Your BASIC Tutorial Guide

To receive your copy of the self-study BASIC tutorial guide described in the last User's Newsletter, *Programming BASIC with the TI Home Computer*, see page 143 of your *Beginners BASIC* manual. Enclose \$10.95 for the guide and local sales tax (if applicable) with the completed order blank from page 143.

Consumer Relations

For information about new software, call Consumer Relations toll-free at 1-800-858-4565. In Texas, call 1-800-692-4279. Consumer Relations is open between 8 a.m. and 4:30 p.m. CST, Monday through Friday. You may wish to write them at this address:

Consumer Relations
Personal Computer
Texas Instruments
Incorporated
P. O. Box 53
Lubbock, Texas 79408

Users' Groups Continue to Grow

The number of Users' Groups around the United States continues to grow each month. These groups are indispensable to those interested in sharing technical information, keeping up-to-date on new hardware and software, and exchanging thoughts and ideas.

ACTIVE GROUPS

NATIONAL USERS' GROUP

Charles LaFara
99/4 Home Computer Users-Group, Inc.
P. O. Box 95148
Oklahoma City, OK 73143
(405) 787-8521

LOCAL USERS' GROUPS

Denver, Colorado
Denver 99/4 Users' Group
Rick Savage
CRS Inc.
4860 Ironton, Suite E
Denver, CO 80239
(303) 371-8272

Eugene, Oregon

Pacific Northwest TI-99/4
Users' Group
Gary Kaplan
P. O. Box 5537
Eugene, OR 97405
(503) 485-8796

Houston, Texas

Houston Users' Group (HUG)
Raymond Wells
8922 Roos Road
Houston, TX 77036
(713) 771-3483 (Home)
(713) 871-8000 Ext 4516 (Work)

Pittsburgh, Pennsylvania

Pittsburgh 99/4 Users' Group
R. Riley
111 Teeple Avenue
Donora, PA 15033
(412) 379-5976

San Diego, California

San Diego 99/4 Users' Group
Paul Yates
4037 Johnson Drive
Oceanside, CA 92054
(714) 758-4292

Washington, D. C.

Washington, D. C. 99/4 Users' Group
Bill Whitmore
P. O. Box 267
Leesburg, VA 22075
(703) 777-2017

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353 Park Drive
Palatine, IL 60067
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8075 Spring Garden Court
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(513) 777-7042

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Dallas, TX 75265
(214) 995-2679

Fort Worth, Texas

Andy Belivacqua
Route 2, Box 75-U
Mansfield, TX 76063
(817) 473-0712

Greeley, Colorado

Rick Krieger
615 - 8th Avenue
Greeley, CO 80631
(303) 352-3237

Northeast Pennsylvania

Daniel Cooper
74 Coxe Street
Hazleton, PA 18201
(717) 454-0323

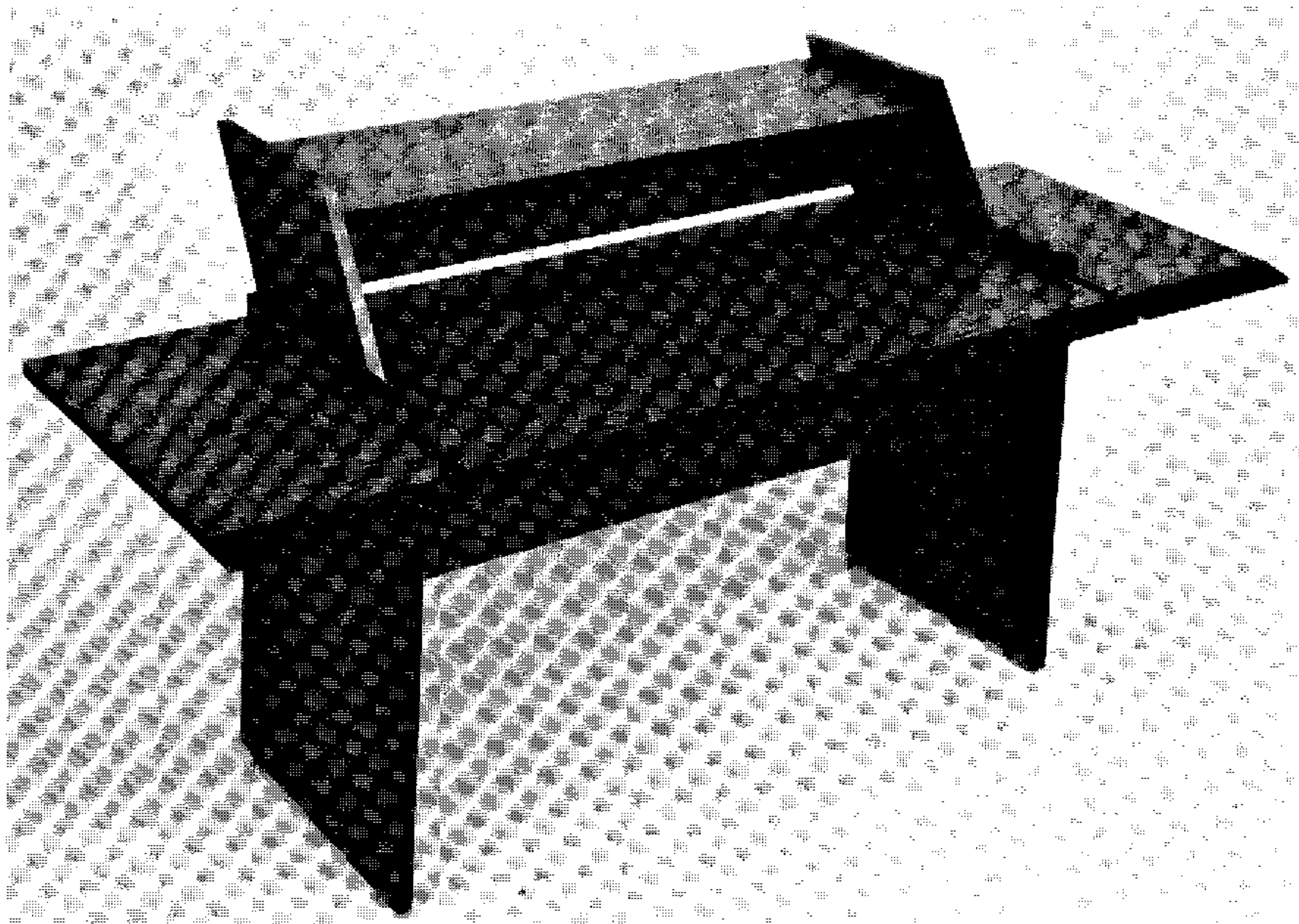
Orange County, California

Chuck Hershey
c/o Daniel Industries Inc.
1984 Gladwick Street
P. O. Box 6000
Compton, CA 90224
RE: Computer Club
(213) 774-9300

San Francisco, California

Bill Christensen
2096 Ascot Drive #17
Moraga, CA 94556
(415) 376-6653

Now you can have high-quality, low-cost furniture custom designed for the Texas Instruments home computer system.



A system for your TI 99/4 that you can order now for home use.

It's custom-made to fit the Texas Instruments 99/4 Home Computer and related products. The video monitor shelf will accommodate a Color Monitor or television set. The space under the shelf offers a convenient storage area for software modules and accessories.

The "System IV" table is made by Computer Roomers, Inc., which designs and produces computer and specialty furniture for leading computer manufacturers. The suggested table system includes the base table, video monitor shelf and right side extension leaf, at \$170. Shipping cost within Continental U.S. is included when ordering the suggested system or expanded system with left side extension leaf and power strip. Otherwise, all prices FOB Dallas. Base table dimensions: 43 $\frac{3}{4}$ " long, 24" deep.



Features:

- Constructed from $\frac{3}{4}$ " wood product core with high-pressure laminated walnut finish.
- Will support over 800 pounds.
- Laminate beveled comfort edge.
- Steel spring-lock construction for easy no-tool assembly.
- 32" x 12" video monitor shelf plus one or two 24" x 12" side extension leaves.
- Optional six-outlet electrical plug strip with on/off switch.
- Leveling feet.

CUT HERE

Ship the following:

- _____ System IV units @ \$170 ea.
- _____ *Base tables @ \$120 ea.
- _____ *Video monitor shelf @ \$33 ea.
- _____ Left side extension leaf @ \$17 ea.
- _____ *Right side extension leaf @ \$17 ea.
- _____ Six-outlet plug strip @ \$30 ea.

*Included in suggested "System IV" unit.

Check

Master Card # _____ Exp. Date _____

Visa # _____ Exp. Date _____

For deliveries in Texas, add 5% State Sales Tax.

Ship to: _____

Send order with payment to:

Computer Roomers, Inc. 2737 Seelcco St., Dallas, TX 75235 Phone (214) 357-4671

ORDER FORM