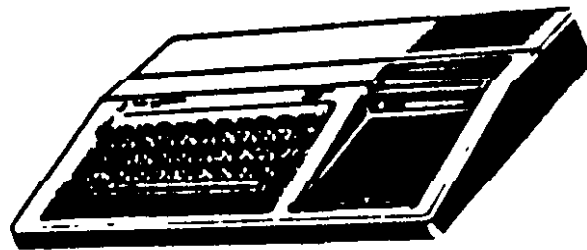


# NEW FORMAT

**NEW**  
80 Column  
Card  
Inside!



**NEW**  
Add 32K  
For Only  
\$6.95  
Inside!

## WELCOME TO NEWS CAT #1

**IBM AND APPLE COMPATIBILITY IS HERE!**

**THE FIRST NEWSLETTER  
AND COMBINED CATALOG  
FOR THE WORLD'S LARGEST  
COMPUTER GROUP**

**99/4A N.A.G.**  
Support Your Group!

**(NOW IN OUR  
FOURTH YEAR)**

99/4 National Assistance Group  
"World's Largest Computer Assistance Group"  
P.O. Box 290812  
Ft. Lauderdale, Florida 33329  
(315) 962-8866

Address Correction Requested  
Dated Material Do Not Delay

BULK RATE  
U.S. POSTAGE  
PAID  
Ft. Lauderdale, Fl.  
Permit No. 1107

# 1-800-USA-99/4A

**1-800-USA-994A**

**FOR ORDERING ONLY  
OR FOR FREE CATALOGS**

**IF YOU ARE CALLING FROM  
FLORIDA OR HAVE QUESTIONS  
ABOUT PRODUCTS OR TECHNICAL  
ASSISTANCE PLEASE USE OUR  
NEW NUMBER CALL**

**1-305-962-8846**

**DON'T BUY A NEW  
COMPUTER UNTIL YOU SEE  
the COMMAND CENTER XT PLUS**

Apple is a registered trademark of Apple Computer, Inc.  
IBM is a registered trademark of IBM Corporation  
MS DOS is a trademark of Microsoft

**IBM and Apple Compatibility**

**(in one unit)**



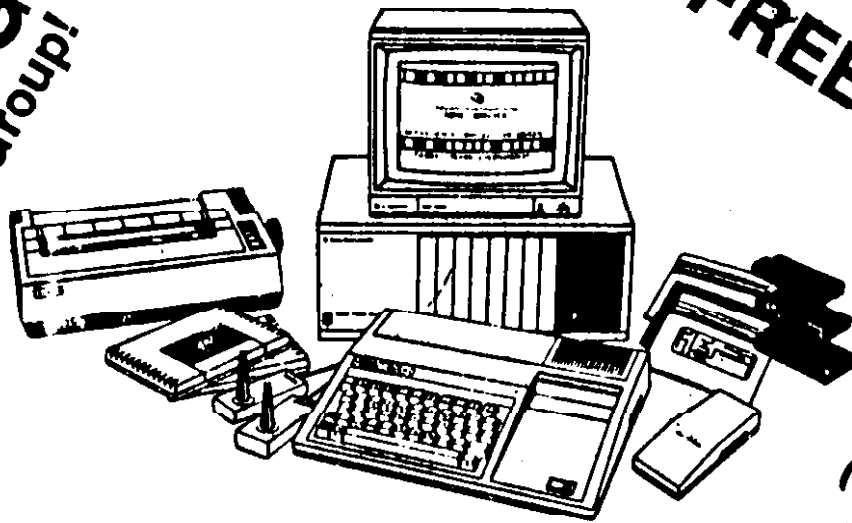
**CALL FOR A FREE  
CATALOG!**



**Support Your Group!**

**ONLY FROM YOUR 99/4A N.A.G.**

**99/4A N.A.G.**  
Support Your Group!

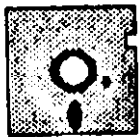


**FREE**

**FREE**

(NOW IN OUR  
FOURTH YEAR)

**FREE  
THE BEST EVER!  
JUST RELEASED!!**



**TI DIAGNOSTIC 3 VOLUME  
DISK SET complete with**

**Documentation. Now test almost  
every optional piece of equipment.  
you own.**

**INCLUDING:**

- YOUR EXPANSION SYSTEM
- YOUR DISK DRIVES
- ALL TYPES OF PRINTERS
- YOUR MODEM
- YOUR MEMORY
- YOUR RS 232

**FREE**

**1-800-USA-994A**

**This 3 volume set is FREE with any order over \$50.00.**

**Note: Ask your 800 operator to include the FREE  
diagnostic set when you order — or fill in on order  
form of last page of this catalog with your order.**

**This offer expires July 31, 1987.**

*99/4A National Assistance Group*  
*"World's Largest Computer Assistance Group"*

# Catalog - 1987

For Members Only

Support Your Group!



American Express



American Express

**NOTE**  
**24 Hour Ordering**  
**1-800-USA-994A**  
Please use This Number  
For Ordering only

Operators on the 800 number CANNOT take messages or give any technical assistance. The 800 number is an ORDER LINE ONLY 24 HOURS A DAY

For questions about products, technical assistance or customer service please call 305-962-8846 during the following new expanded hours.

MON. thru THURS: 10 A.M. - 4 P.M.  
MON. EVENING: 6 P.M. - 9 P.M.  
FRIDAY EVENING: 11 P.M. - 1 A.M.  
ALL HOURS AR EASTERN STANDARD TIME

**FREE 1-800-USA-99/4A FREE**  
**FREE MEMBER DISCOUNT**

CUT OUT

**FREE \$5.00 OFF**  
**ON SPECIAL EDITION SOFTWARE**  
**DISCOUNT COUPON**  
**GOOD WITH ANY ORDER**  
**OF \$25.00 OR MORE OF**  
**SE SOFTWARE**

CUT OUT

**FREE \$5.00 OFF**  
**HARDWARE**  
**OR SOFTWARE**  
**DISCOUNT COUPON**  
**GOOD WITH ANY ORDER**  
**OF \$25.00 OR MORE**

These offers are valid until July 31st, 1987

## To All Members:

When you are a member of the 99/4A N.A.G. not only do you get the BEST IN TECHNICAL SERVICE you also can be sure of the Hardware and Software products you are purchasing because they are all tested for at least 30 days in our own laboratories at the National Headquarters. It allows us to give you the only extended 1 year warranty for repair or replacement of any Hardware Products purchased through the Group. Please consider this warranty when making a purchase. No matter what manufacturing warranties are given with any of the hardware sold. (Usually 90 days from the manufacture). As a member of the 99/4A N.A.G. you get a FREE one year warranty. This is an exclusive for our members only.

The 99/4A National Assistance Group is a member supported organization. We are proud to continue to announce new services. An example is our new 800 service. Please use this number for ordering ONLY. Only through the members cooperation can we continue to give better services, better prices and extended warranties etc. Thanks for making it happen.

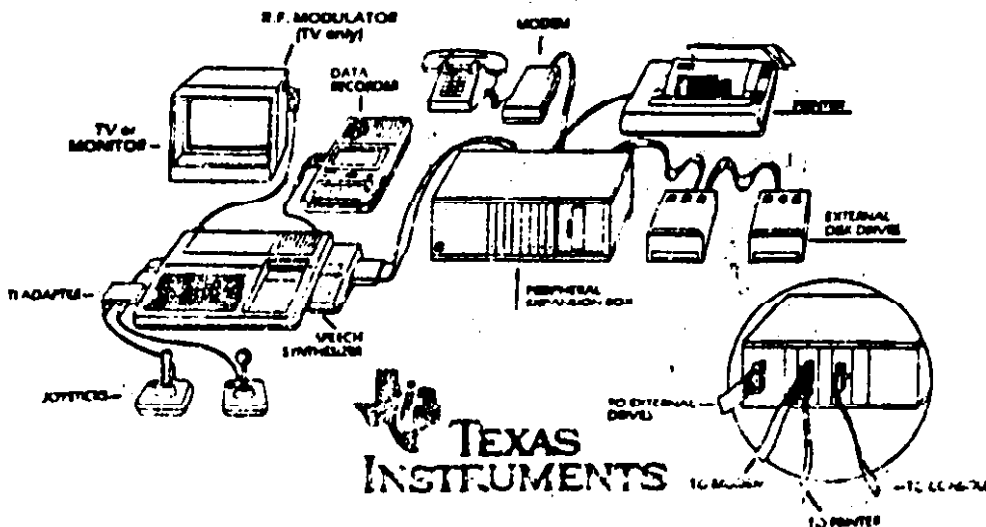
99/4A N.A.G.

P.S. We are proud to announce our silver and gold card club an exclusive membership offer for members of the 99/4A N.A.G. Watch for your application in the mail.

### TERMS AND CONDITIONS

No merchandise may be returned without prior authorization from this office. Merchandise ordered in error or not wanted is subject to a 20% restocking charge.

## YOUR 99/4A SYSTEM AT A GLANCE....



**"THE ONLY EXPANSION SYSTEM  
MADE FOR YOUR 99/4A THAT  
COMES WITH A 1 YEAR WARRANTY.**



**EXPAND YOUR  
TI SYSTEM NOW**

**TI34BX and Drive  
TI34BX Expansion System**

Complete with built in:

RS232 - Lets you add parallel or serial printers or modems (2 serial ports, 1 parallel)

32K Memory - Added to your basic control for a total of 48K R.A.M.

Control Card - Double sided/double density disk controller (lets you add up to 4 drives) + turbo boost copying, editor-assembler built in + much more.

1-DS/DD disk drive with power supply case and all cables for easy hook up.

**Disk Manager.** Disk with all improved utilities programs allows you to catalog, initialize, or copy disks. Menu driven program for easy use.

Free TI-Writer word processor disk. \$25.00 coupon off special edition software.

CH1000 - Member price ..... 399.95  
A \$700 value if purchased separately

**"WE HAVE SOLD OVER 1,000  
OF THESE UNITS TO OUR  
MEMBERS. THE BEST EXPANSION  
SYSTEM EVER MADE!"  
AND IT COMES WITH A 15 DAY  
FREE TRIAL AND 1 YEAR WARRANTY!  
Support Your Club**

**ONLY FROM YOUR 99/4A N.A.G.**

**QUALITY AT A LOW PRICE!**  
**1-800-USA-99/4A**

**EXPANSION EQUIPMENT  
AND  
DISK DRIVES**

**FH600**

Replacement for you T.I. "P" box. Our most popular drive ever. DS/DD full height disk drive.

Member price ..... 59.95

**FH610**

Complete external DS/DD full height drive. With power supply, case and cable. For use as drive 2, 3 or 4 for T134BX or TI "P" box. (Be sure to specify system) you are now using.

Member price ..... 119.95

**PS630 - Power Supply**

With case for external drives.

Member price ..... 49.95

**CH2000**

32K memory card (TI "P" box) ..... 99.95

**CH2050**

32K Stand alone ..... 99.95

**CH3000**

RS232 stand alone ..... 115.95

**CH3025**

DS/DD disk controller ..... 139.95

**CH3050**

RS232 card (for TI "P" box) ..... 76.95

**CH500**

256K memory card ..... 179.95

**CH550**

512K memory card ..... 239.95

**CH600**

256K stand alone ..... 212.95

**CH650**

512K stand alone ..... 249.95

**CH3075 - Triple Tech Card**

Clock/calendar/speech syn. connection, printer buffer

Member price ..... 119.95

**CH920 - Ram/Gram Card**

(see page) 2 4 ..... 249.50

## Now Available The New 1080i MODEL

Rated #1 by Consumer Reports, the Panasonic printers are the best to work with in home, office or school, nothing is more dependable than the Panasonic name. Some of the features of the new 1080 include: tractor and friction feed, standard print, letter quality and proportional spacing and 12 other styles which is great when you need fine print or footnotes at the bottom middle or even top of the page. Each feature can be user accessed by a switch located on top of the printer. There is no need for software interfacing with this printer. The Panasonic is IBM compatible and comes with 2 year warranty from the Group. You can use the 1080 and the new Stylewriter hand in hand for letter quality or special print types like Greek, Old English and Jazzy. The 1080 comes with a special ribbon designed for maximum efficiency for use at the office or in the home. There is a special built-in feature that allows you to automatically reink the ribbon with a push of the button. No messy reinking here. This ribbon's life span is about 2.5 million characters. The savings alone from not having to buy ribbons every month makes the Panasonic the most cost efficient printer ever.

# 1-800-USA-99/4A

ITEM #	DESCRIPTION
CH850	1080i PANASONIC PRINTER: THE NEWEST PANASONIC ON THE MARKET TODAY! GET A FULL FEATURE PRINTER INCLUDING TRACTOR AND FRICTION FEED. CHOICE OF 12 PRINT STYLES. GREAT FOR HOME OR OFFICE. OVER 120 cps. MEMBER PRICE: \$239.95

**IBM AND APPLE COMPATIBILITY IS HERE!**



# ALL HARDWARE IS TESTED BEFORE SHIPPING. COMMERCIAL HARDWARE

## CH200 - TI Mouse

The TI Mouse enables you to control the cursor very fast and easy and you even have the possibility to set any point you want. With programs that were controlled up to now by joystick or keyboard now can be changed for control by the T.I. Mouse. Comes with adapter - demo disk - built-in calculator program & much more.

Member price ..... \$164.95  
(see page for more details)

## CH300 - Super Hayes Modem

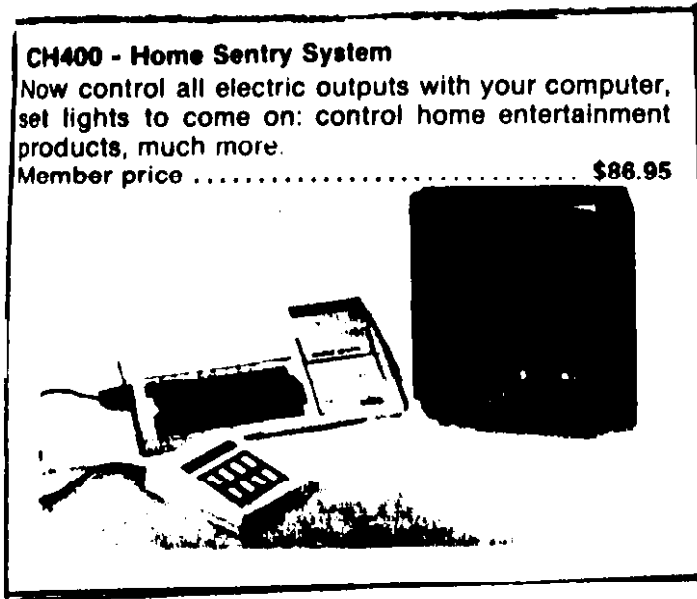
300-1200 auto answer auto dial. Our most popular modem ever (see page for more details).

Member price ..... \$115.95

## CH400 - Home Sentry System

Now control all electric outputs with your computer, set lights to come on: control home entertainment products, much more.

Member price ..... \$86.95



## CH4050 Trouble Shooting Module

This easy to use module allows you to test your entire system, disk controller, 32K memory or RS232. Now trouble shoot your own system. Module & manual included.

Member price ..... \$29.95

## CH4075 - Screen Dump Interrupt Switch

Allows you to dump many cartridge screens to printer with touch of a button. Works with Screen Dump I program.

Member price ..... \$15.95

## CH5050 - IBM/99-4A Keyboard

Now get full size keyboard for your 99/4A. Easy hook up to your 99/4A console. High quality keyboard with controller cards for connection to your computer console. Allows easy flexibility in console placement to free up your workspace from annoying cables. Manual includes installations & user instructions.

Member price ..... \$199.95

## CH900 - Mechatronic Extended Basic II

The most versatile package offered. Run all your req T.I. extended basic programs PLUS 40 powerful routines to let you do almost anything you want using hi/res graphics.

Member price ..... \$78.95

**Support Your Group!**

## CH5000 - COLOR MONITOR

Hi/res color monitor for use with the T.I. computer.

Member price ..... \$179.95

Monitor cable ..... \$13.95

## CH700 - Stylewriter

Our most popular graphics unit. Easy hook up to your RS232 & parallel printer. Now get the most from your computer & printer.

Member price ..... \$199.95



# 1-800-USA-994A

**1-800-USA-994A**

**Support Your Group.**

## CABLES

- CB200** - 5ft. P.I.O. cable for the T.I. Epson, panasonic or any parallel printer.  
Member price ..... **22.95**
- CB300** - 10ft. P.I.O. same as above with additional length for added convenience.  
Member price ..... **29.95**
- CB350** - Monitor cable - for color or composite.  
Member price ..... **13.95**
- CB400** - 30" extension cable for all expansion systems. Can move all hardware plugged into the side of your computer out of site.  
Member price ..... **24.95**
- CB500** - Dual floppy drive cable with 3 - 34 pin card edge connectors.  
Member price ..... **14.95**
- CB600** - T.I. cassette cable: original T.I. equipment.  
Member price ..... **1.99**
- CB700** - Mini Writer III cable for use with our mini writer III cartridge software.  
Member price ..... **24.95**
- CB800** - 34BX cable set allows you to connect drive #2, 3 or 4 to your TI345X expansion system.  
Member price ..... **24.95**
- CB900** - Modem cable for use with our super hayes compatible modem.  
Member price ..... **24.95**
- CB950** - Serial cable - for all RS232 serial printers.  
Member price ..... **29.95**



## SPECIALTY UTILITY

- NAG-200 - Disk Repair**  
Easiest disk fixer program available.  
Member price ..... **\$19.95**
- NAG-250 - Disk Repair Supplement**  
Supplement program for the T.I.  
Member price ..... **\$19.95**
- NAG-300 - Extended Basic Editor**  
Block line manipulation delete, move, update lines, variable search, change file protection and much more.  
Member price ..... **\$14.95**  
Combination Packages:  
Disk repair & supplement ..... **\$35.95**  
Disk repair & ebe ..... **\$29.95**  
Supplement & Ebe ..... **\$29.95**  
All three programs ..... **47.95**

## NEW ORIGINAL EQUIPMENT

- NAG-500 - T.I. 99/4A Home Computer**  
In stock ..... **\$109.95**
- NAG-600 Speech Synthesizer**  
T.I.'s most popular unit now available.  
Member price ..... **\$39.95**
- NAG-700 - T.I. Extended Basic**  
The original extended basic by T.I. Now is the time to upgrade to extended basic.  
Member price ..... **\$48.95**
- NAG-800 - Original Mini-Memory**  
Now have the most powerful memory upgrade at your fingertips. Adds 8K to your T.I. 99/4A. Fast easy loading.  
Member price ..... **\$48.95**

# COMMERCIAL SOFTWARE

**1-800-USA-994A**

**Support Your Group!**

## **CW-260 - Flight Simulator**

Pilot your plane on all landings and take offs. Choose 4 different weather conditions. Easy to read cockpit gauges, exciting sound effects. Joystick or keyboard control.

Member price (cartridge only) ..... \$29.95

## **CX-420 - Cartridge Xpander**

Member price ..... \$24.95

## **ES-300 - Prescan-It**

Now you can write an extended basic program any way you like and then run it through pre-scan-it. To get a program that stands up as fast as assembly & forth programs.

Member price ..... \$9.95

## **ES-320 - Screen Scroll Pak**

Package includes source codes so that sub-routines can be modified by experienced programmers. Includes demo.

Member price ..... \$9.95

## **ES-325 - Recipe Writer**

The ultimate kitchen aid. 1 touch menus. Prints recipes on index cards plus much more.

Member price ..... \$11.95

## **ES-330 - Disk Data Base**

Full feature, flexible disk managing software. Complete control of all your disks very easy to use.

Member price ..... \$14.95

## **ES-335 - Balloon Wars**

A strategy/arcade game for the T.I. Guide your balloon across 30 hostile screens. 3 levels of difficulty. Are you up for the challenge?

Member price ..... \$9.95

## **ES-340 - T.O.D. Editor**

Create your own custom games for tunnel of doom. Req. T.O.D. cartridge..... \$19.95

## **ES-345 - Music Synthesizer**

Now create music on your T.I. with this program. A user can save and merge parts of different songs together.

Member price ..... \$12.95

## **ES-350 - Stamp Manager**

Keep your stamp collection organized. Will maintain a complete stamp catalog.

Member price ..... \$14.95

## **ES-355 - Schedule Manager**

Now keep track of all your most important dates.

Member price ..... \$19.95

The above programs require 32K & X/Basic

**NEW**  
Add 32K  
For Only  
\$6.95  
Inside!

**NEW**  
80 Column  
Card  
Inside!

Graphics Corner

**GP-100 - 3-D World**

Rotate your structure on x,y,z. axis, zoom in or zoom back. A must for engineers and students. Comes with 2 demo programs. Reg. 32K X/B

Member price ..... \$33.95

**GP-200 - Bitmac**

Now create your own graphic pictures on screen menus. Allows you to create, draw, color, or print any picture.

Member price ..... \$19.95

**GP-250 - Print Pak**

Supplement program for Bitmac.

Member price ..... \$9.95

**GP-300 - Chartmaker**

The ultimate in business graphics. Print impressive bar graphs, pie charts, quickly and easy. Menu driven. Fast and easy to use. Works with T.I., Epson, Gemini, Panasonic or Prowriter printers.

Member price ..... \$29.95

**GP-400 - T.I. Artist Program of the Month**

The most extremely user friendly program. Allows many powerful integrated functions. Epson compatible program. (Reg. 32K/X-B)

Member price ..... \$39.95

Call for complete support programs)

**GP-450 - Font Writer**

Gives you the ability to create your own graphic fonts. A programmers must.

Member price ..... \$24.95

**GP-500 - Screen Dump II**

Will print any screen in seconds in normal or full page size. (For best results purchase load input switch). Print screens of hard to dump modules earn tax-investment on any printer.

Member price ..... \$19.95

**GP-600 - Hi/Res Graphics**

Easy to use basic graphic programs. Programs for the beginner programmer.

Disk or cassette ..... \$16.95

**GP-700 - Gravity Master**

Now design your own arcade games if your the Now design your own arcade games. If you are the adventurous type this program is for you.

Reg. 32K, X/B

Member price ..... \$19.95

**GP-800 - Super Banner Maker**

Now design *Super Banners*, customize your printout. Compatible with most every printer. 15 resident graphic pictures, including, flag, dog, face, heart and car. A must in your library.

Member price (Reg. 32K, X/B).

Member price ..... \$18.95

**GP-900 - Draw N Plot**

Allows you to create and print any graphic picture for basic designs to completed illustrations. "The only limit is your imagination".

Reg. 32K, X/B ..... \$33.95

1-800-USA-994A

NEW

NEW  
80 Column  
Card  
Inside!



CALL FOR A FREE  
CATALOG!  
(in one unit)

Support Your Group!



IBM and Apple Compatibility

NEW  
Add 32K  
For Only  
\$6.95  
Inside!

# SAVE WITH OUR COMMERCIAL SOFTWARE

## Commercial Software

1-800-USA-994A

**CS300 - Multiplan**  
TI Original Program (spread sheet).  
Member price ..... **\$34.95**

**CS325 - Edit/Asm**  
TI Original Program (runs asm lang. programs.)  
Member price ..... **\$34.95**

**CS350 - TI Logo**  
TI Original Program (200 pg. manual used in public schools). Cassette or Disk, 32K required.  
Member price ..... **\$29.95**

**CS375 - TI-Writer**  
TI Original Program (Original super word processing program, disk systems).  
Member Price ..... **\$34.95**

**CS380 - Auto Spell Checker**  
20,000 word spell checker for use with the TI-Writer word processor.

**CS400 - TI 123 Software Package**  
With built in speed sheet, word processor, & typewriter program, 3 of the most popular programs all in one package. (Reg. 32K & X/B).  
Member price Disk only ..... **\$34.95**

(NOW IN OUR  
FOURTH YEAR)

# WELCOME TO NEWS CAT #1



**CS425 - The Brain**  
A programmers friend! Full of tables, routines and conversion programs. (Reg. 32K & X/B).  
Member price disk only ..... **\$34.95**

**CS450 - War Games**  
3 in 1. Three of the most popular video games *River Rescue*, *Computer War* and *Subroutine Commander*. (Reg. 32K, X/B)  
Member price 3 in 1 disk ..... **\$29.95**

## 99/4A N.A.G.

## All Parents Please Read



### EDUCATION

#### PLATO®<sup>1</sup> LEARNING CENTER

Here, in one great sweep of curriculum that covers all the major subjects of elementary, middle and high school, is the system that led the way for all others in computer-based learning-and that still sets the standard for everyone else today!

For over twenty years, PLATO education courses were offered only at large business, university and government offices-organizations with huge computer complexes. Only recently did PLATO become available on disks for home computers, and it quickly assumed its lasting place as a bestselling tutoring "classic."

#### UNIQUE NO-WASTE PRECISION MATCHING TO INDIVIDUAL CHILD'S NEEDS

Now your own child can benefit from the PLATO system. In addition to its tutoring quality, a supreme advantage of PLATO is the ability to match your child's needs, interests and level precisely to their PLATO component. No need to purchase courses your child does not want, no crucial motivation lost due to unwanted material that bores, no time lost to weed out what is wanted.

The reason: PLATO's unique orientation by grade *and* subject combined. You and your child easily select exactly what is wanted from the enormous menu on this page: 108 different packages...containing over 450 programs in all... in 6 different major study disciplines.

(1) Registered Trademark of Control Data Corp., USA

IDEAL FOR BOTH REVIEW  
AND SKIPPING AHEAD

# 1-800-USA-994A

Now it is easy for your child either to review or advance. If your child needs brushing brushing up in Reading, for example, he or she can review earlier grades to sharpen skills, repeat basics, find the place where comprehension first faltered and make up for the lack. Then the child can go over current material for additional private tutoring, to catch up to the level being covered by his or her class right now.

And gifted students can advance-move ahead in the subjects in which he or she is particularly proficient. Besides, advancing in a favorite subject, the child can break new ground on another topic not covered in assigned schoolwork.

REQUIREMENTS FOR USING  
TI PLATO COURSEWARE

You need the following:

- TI-99/4A Home Computer
- Disk System
- 32K Memory Expansion
- PLATO Interpreter Cartridge

Contains the data base for all PLATO programs-a *must* prerequisite to use the system. Includes *Survey Disks*, a questionnaire for your child to determine strengths and weaknesses in reading, grammar and math. Plus the *Parents' Questionnaire* which helps you assess your child's academic skills.

## 99/4A N.A.G. Support Your Group!

• From Control Data Corp. USA

# PLATO SERIES

# 99/4A N.A.G. Support Your Group!

Exciting new software designed by educators to cover the major subjects of elementary middle - + high school.

NOTE: All of the following programs require the Plato® Interpreter Cartridge. Then you simply choose the programs to fit your child's needs.

PLATO Courseware is developed by Control Data in cooperation with educators who are experts in their receptive fields. Courses are available in mathematics, science, language arts, social science, and foreign languages. Program Packages are listed below along with approximate grade levels. All programs come on disk and require the PLATO Interpreter module, 32K Memory Expansion, and a disk system. p: only \$42.95 each!

PLATO INTERPRETER. This module is required to use the PLATO program diskettes. \$69.95  
Module .....

<p><b>Basic Math Skills</b></p> <p>Numbers 0-1000 ..... (1-3)</p> <p>Numbers 10-1000 ..... (1-4)</p> <p>Addition 1 ..... (1-3)</p> <p>Addition 2 ..... (1-4)</p> <p>Subtraction-Basic</p> <p>  Concepts ..... (1-4)</p> <p>  Subtraction Skills ..... (1-4)</p> <p>Multiplication-Basic</p> <p>  Concepts ..... (2-6)</p> <p>  Multiplication Skills 1 ..... (2-6)</p> <p>  Multiplication Skills 2 ..... (2-6)</p> <p>Division-Basic Concepts</p> <p>  Division Skills 1 ..... (2-6)</p> <p>  Division Skills 2 ..... (3-6)</p> <p>Addition and Subtraction (3-7)</p> <p>Multiplication &amp; Division Measurement ..... (3-7)</p> <p><b>Reading</b></p> <p>More Basic Word Building ..... (2-6)</p> <p>Complex Word Building</p> <p>  Prefixes, Suffixes, and Compound Words ..... (3-7)</p> <p>  More Prefixes &amp; Suffixes</p> <p>  Selecting the Proper Words ..... (3-8)</p> <p>  Choosing the Proper Words ..... (3-8)</p> <p>  Dealing with Confusing Words ..... (3-8)</p>	<p>Word Meanings ..... (4-8)</p> <p>Applying New Words</p> <p>  Understanding and Using New Words ..... (4-8)</p> <p>  Locating Basic Facts ..... (4-7)</p> <p>  More Basic Facts from Reading ..... (4-7)</p> <p>  Remembering What You Read ..... (5-9)</p> <p>  Remembering More of What You Read ..... (5-9)</p> <p>  Interpreting What You Read ..... (5-9)</p> <p>  Understanding Basic Facts (5-9)</p> <p>  Understanding More of What You Read ..... (5-9)</p> <p>  Describers and Conclusions ..... (6-9)</p> <p>  Different Types of Describers</p> <p>  Conclusions ..... (6-9)</p> <p>  Understanding the Whole Story ..... (6-9)</p> <p>  Fact and Non-Fact ..... (6-9)</p> <p>  Author's Purpose</p> <p>  Evaluating What You Read ..... (6-9)</p> <p>  Author's Purpose and Your Conclusion ..... (6-9)</p> <p>  Separating Fact from Opinion ..... (6-9)</p>	<p><b>Grammar</b></p> <p>Nouns and Verbs ..... (3-8)</p> <p>More About Nouns and Verbs ..... (3-6)</p> <p>Pronouns ..... (3-6)</p> <p>Making Nouns and Pronouns Agree ..... (3-7)</p> <p>Adjectives and Adverbs ..... (3-7)</p> <p>Prepositions, Conjunctions and Articles ..... (3-8)</p> <p>Learning About Sentences (3-6)</p> <p>Phrases and Clauses ..... (4-8)</p> <p>Subject and Verb Agreement ..... (4-8)</p> <p>More about Sentences ... (4-8)</p> <p>More Than One ..... (2-5)</p> <p>Word Confusion ..... (3-7)</p> <p>Possessives ..... (3-7)</p> <p>Capital Letters ..... (3-5)</p> <p>Punctuation ..... (3-9)</p> <p>Making Letters Look Right (3-9)</p> <p>Giving the Employer the Correct Information ..... (6-9)</p> <p><b>High School Skills (Grades 9 through 12) Writing</b> (4-7)</p> <p>Grammar 1 ..... (4-7)</p> <p>Grammar 2 ..... (4-7)</p> <p>Grammar 3 ..... (5-8)</p> <p>Diction ..... (5-8)</p>	<p><b>Mathematics - All Mathematics</b></p> <p>Basic Number Ideas 1 .... (4-8)</p> <p>Basic Number Ideas 2 .... (4-8)</p> <p>Math Sentences in One Variable 1 ..... (6-9)</p> <p>Math Sentences in One Variable 2 ..... (6-11)</p> <p>Math Sentences in Two Variables ..... (8-11)</p> <p>Geometry ..... (8-11)</p> <p>Measurement ..... (6-8)</p> <p>Special Topics ..... (6-9)</p> <p><b>Practical Reading</b></p> <p>Practical Reading 1 ..... (6-9)</p> <p>Practical Reading 2 ..... (6-9)</p> <p>General Reading 1 ..... (6-8)</p> <p>General Reading 2 ..... (6-8)</p> <p>Prose Literature 1 ..... (7-10)</p> <p>Prose Literature 2 ..... (7-10)</p> <p>Prose Literature 3 ..... (7-11)</p> <p>Poetry ..... (7-10)</p> <p>Drama ..... (7-11)</p> <p><b>Social Studies</b> ..... (7-11)</p> <p>Economics 1 ..... (7-11)</p> <p>Behavioral Science 1 ..... (7-11)</p> <p>Behavioral Science 2 ..... (7-11)</p> <p>Political Science 1 ..... (7-11)</p> <p>History 2 ..... (6-11)</p> <p>History 3 ..... (6-11)</p> <p><b>Science - All Science</b></p> <p>Biology 1 ..... (7-10)</p>
---	--	--	--

Member price . . . . \$42.95 each

# 1-800-USA-99/4A

# NEW CHILDREN'S SECTION

**HANGMAN.** Features excellent graphics with animation and tests a child's spelling abilities. The program has nearly 400 words built-in for individual practice, or any word may be entered for a two player game. **MEMORY** is like the old TV game "Concentration." Two players find matching pairs of letters on a playing board. Whoever gets the most matches wins! 21203 Cassette \$9.95

**NUMBERS I.** Uses magic hats and number factories to help your preschooler learn and recognize numbers. Lively animated graphics make this game extra fun. **NUMBERS II** teaches the concepts of before and after and provides an introduction for addition and subtraction skills. Colorful scoring system gives rewards to top performers. 21222 Cassette \$9.95

**LETTERS I.** Teaches preschoolers the upper case letters. Animated graphics feature magic genie bottles and alien spacecraft. Also helps your child learn letter locations on the keyboard. **LETTERS II** teaches the alphabet using bright graphics. Two games, "Before and After" and "Fill in Blanks," help your child learn where each letter belongs. Built-in scoring provides performance measurements. 21237 Cassette \$9.95

**MACDONALD'S FARM.** Asks you to help Farmer MacDonald round up his runaway animals. A nice rendition of "Old MacDonald Had a Farm" plays whenever you find an animal and get him back into the barn. This is our most popular game. **SEBASTIAN SAYS** plays a musical tone and color pattern and you must repeat it exactly or Simon wins. Starts out easy and gets harder. 21241 Cassette \$9.95

**JUNIOR HANGMAN.** An alternate version of the popular HANGMAN game. This version has over 350 built-in words for five and six year olds. The program was developed and tested under the guidance of a veteran kindergarten teacher. **JUNIOR MEMORY** allows two players to compete in finding matched pairs of shapes on a 16 square playing board. A junior-level concentration-type game. The most matches wins! 21212 Cassette \$9.95

**ADDITION.** The first of a four program series in basic arithmetic skills, plus flash card drills. The level of problem difficulty can be varied and, based on player performance, the computer will encourage moving to different skill levels or to different programs. A timer option challenges the player's ability to answer quickly, as well as accurately. **SUBTRACTION** is similar, but with subtraction problems. 21246 Cassette \$9.95

**SHAPES.** Provides two games in shape recognition. In the first game, the player names eight basic shapes. The second game asks the player to match like shapes. **DIRECTIONS** is a tutorial program that teaches left and right and top and bottom. Two colorful friends, Tom and Kate, help in the learning process. 21289 Cassette \$9.95

**MIDDLE LETTERS.** Hides five letters on the screen. Using clues from the computer, you must guess what they are. Bright colors and lively music are featured. **LETTERS III** is a good program for the child just learning the alphabet. A lower case letter is displayed and the child must press the correct upper case letter to receive a "Smiley Face" reward. 21290 Cassette \$9.95

**MATH TEST.** Written for the classroom, but could also be used at home. The computer gives a math test of up to 30 problems (that you specify) to a maximum of 40 students. The computer scores and stores the result of each test for the teacher's information. Each test can be stored on tape for later use. **FACTORS** features flash card practice in basic addition, subtraction, multiplication, and/or division, with any factor you choose. Computer scoring and evaluation helps build your child's confidence. 21248 Cassette \$9.95

**GLOW WORM.** One of KIDware's most popular games. Help your worm gobble up food pellets without bumping into the wall or biting himself. Gets increasingly difficult as the game goes on (requires joystick). **HUMPTY DUMPTY** is a computer jigsaw puzzle for kids. Put Humpty back together after he falls off the wall. Has fun music and bright colors. 21226 Cassette \$9.95

**BUNNY COUNT.** Lets you count the bunnies as they hop across the screen. Good game for the child just learning to count. Colorful rewards for good performance. **EARLY MATH** presents addition and subtraction problems with the numbers 0 to 9. A tutorial program that graphically demonstrates adding and taking away. Positive rewards build confidence. 21256 Cassette \$9.95

**SHOOT THE MOON.** A spelling competition for up to four players. Play two games, "Flasher" and "Scrambler," with your spelling list. You can even save the list on tape for future use. Great program for home or school. **SPELLMAN** lets you play "Hangman" with your own spelling list. The list can be typed in or read from cassette tape. Optionally, when finished playing, your list can be saved on tape for later reference. Ideal program for elementary school kids. 21231 Cassette \$9.95

**GO FISH.** Lets you cast your line and haul in the big ones. Full animated action. Features crabs that cut your line and clams that steal your bait. See how many pounds of fish you can catch. **SLIDING** challenges you to guide your sled down a fast, snow-covered hill with the joystick. Watch out for trees and rocks! 21298 Cassette \$9.95

**ALPHABET SOUP.** Fill your giant soup bowl with 1-26 letters and then put them in alphabetical order. **JUNIOR MIXER** has over 350 words for 5 and 6-year olds. Words are displayed with letters mixed up and your child tries to unscramble them. You can also enter your own words for competition. Ages 3-7. 20677 Cassette \$9.95

**CLOCK.** An excellent program for teaching your child how to tell time. A lesson in reading the hands of a clock is given. Following the lesson a quiz is given to check mastery of the skill. Nice graphics and difficulty levels. **DICE** is a game with a new twist. From 1 to 4 dice can be displayed. You have to count the dots on each die and enter the sum of all the dice. Good practice for dice-based games. Ages 5-10. 20727 Cassette \$9.95

**SPELLING TUTOR.** Help your child with spelling the fun way. Using your words, three different quizzes can be taken. Spelling lists can be saved on tape for future use. **MATH TUTOR** allows your child to practice math problems you put into the computer. Hence, math lessons are easily tailored to your child's level and abilities. Tests can be saved on tape. Colorful scoring rewards correct responses. Ages 6-12. 20732 Cassette \$9.95

**COLORS.** Two fun games in color discrimination and recognition. The first asks you to name seven basic colors. In the second game, the player must match identically colored squares. **NUMBER GAMES** has two games relating digits and names for the numbers 0 to 9. 21283 Cassette \$9.95

**ABC'S/123'S.** Young children won't even realize they are learning numbers, letters and keyboard familiarity as they play KIDware's newest pair of educational games. **ABC'S/123'S.** Fun graphics teach letter and word association in ABC's and numbers and counting concepts are presented in 123's. 27902 Cassette \$9.95

**BOOBLE/MAZE.** Combine a colorful, computerized "Bubble" with an infinite number of mazes from which to escape, and you have **BOOBLE/MAZE**. Kids love 'em. Requires joystick. 27917 Cassette \$9.95

**JUNIOR FARMER/BLOCKHEAD.** Find the farmer, his wife, a child, a cat, a mouse, and chicken. **JUNIOR FARMER** is great for the youngest kids, because no reading is required after you explain the game. **BLOCKHEAD** lets you draw a zillion funny faces. 27921 Cassette \$9.95

**ADDITION/SUBTRACTION II.** Lets you practice adding and subtracting in columns. You even enter the answer one digit at a time from right to left — just like you would on paper. Optional "borrowing" practice in **SUBTRACTION II**. 27926 Cassette \$9.95

**FRACTIONS I/FRACTIONS II.** Starting by displaying pictorially the concepts of what fractions are. **FRACTIONS I/FRACTIONS II** progresses from simple exercises to instructions in how to add, subtract, multiply, and divide simple fractions. 27940 Cassette \$9.95

**WORD PROBLEMS III.** Let your child practice addition, subtraction, multiplication and division with the use of fun word problems. **WORD PROBLEMS III** will also explain, if desired, how to solve a particular problem. 27952 Cassette \$9.95

**SOLAR SYSTEM/TEMPERATURE** is a great selection for budding scientists. Learn about the nine planets with colorful graphics. **TEMPERATURE** teaches how to read a thermometer and how to convert Fahrenheit readings to Celsius. 27948 Cassette \$9.95

**QUIZMAKER/TRUE-FALSE.** For students, teachers, or parents. **QUIZMAKER/TRUE-FALSE** lets you make your own multiple choice or true/false quizzes for practice or for real. Enter your own data for any subject. Data can be saved to disk or tape for use again and again. 27974 Cassette \$9.95

**CIVIL WAR/II** features special translations for the TI 994A of two of the first computer simulations ever developed. In **CIVIL WAR**, you command the confederate Army in trying to reverse history. **REMS** lets you run your own country, allocating resources for various purposes and trying to survive your reign. 27988 Cassette \$9.95

**TYPING I/TYPING II** teaches you first how to position your hands and which finger to use to press each key, and then progresses to actual practice. Good for beginners. 27998 Cassette \$9.95

**LEMONADE/CODEBREAKER.** The first part is a fun lesson in basic economics; you operate a lemonade stand, buying lemons, sugar, and cups while keeping an eye on the weather and demand. The second part teaches deductive reasoning as you try to guess a four letter code from clues given by the computer. 28002 Cassette \$9.95

**U.S. CAPITALS, GEOGRAPHY.** Provides a rounded lesson in states, capitals, regions, and other geographical items of interest. 28007 Cassette \$9.95

# 1-800-USA-99/4A



**HOME ENTERTAINMENT**  
(Commercial Software)

**HC - 200 - Backgammon**  
Play this family favorite now on your TI. 2 player or you against the computer. Improve your skill. Great graphic version of the popular board game.  
Member price ..... \$14.95  
Disk or cass. ....

**HE-215 - Yahtzee**  
The most exciting dice game for the TI/994A. Combine luck and strategy plays. Just like the board game.  
Member price ..... \$29.95  
Cartridge .....

**HC - 220 - QS Solitaire**  
Play Las Vegas version or regular version. Fun and challenging game follows all the rules of regular solitaire. Written in Assembly Language for lightning fast speed.  
Member price ..... \$15.95  
Disk or cassette .....

**HC - 230 - Draw Poker**  
Now you against the computer. The most comprehensive poker game ever developed for the TI.  
Disk ..... \$19.95  
Cassette ..... \$17.95

**HOME LIBRARY**  
Commercial Software

**BK - 220 - Dow Editor/Assembler**  
Makes Assembly Language programming much easier when used with the mini memory. Save, restore, list, insert, change, makes maximum use of your mini memory.  
Member price ..... \$21.50  
Req. mini memory .....

**BK - 230 - Cracking the 99/4A**  
The book offers you the best opportunity to take full advantage of your TI. Basic Language. Over 150 pages of facts, examples, and handy tutorials included are Basic programming linked lists and logical operators.  
Book and Disk ..... \$19.95

**BK - 240 - Fundamentals of 99/4A**  
Assembly Language. This easy to read comprehensive guide into Assembly Language teaches you the fundamentals for faster programs, and more efficient computer time.  
Member price ..... \$19.95

**CH910 - Intern**  
If you ever wondered why your TI acts the way it does, what tricks and features TI hide from you. Now get them plus much more.  
Member price ..... \$19.95

**HOME EDUCATION**  
Commercial Software

**HC - 250 - At The Zoo**  
This popular educational game offers the best graphics and puts your speech synthesizer to work. Studies generate on spelling, geography and general information about animals, a map of the world shows where each animal is from. Great tool for education. Ages 4 and up. 2 levels of play and learning.  
Member price ..... \$21.50  
Disk or cassette .....

**HC - 255 - Spelling Tutor**  
Enter your child's spelling list, and the tutor will flash the words on the screen. Will continually practice with the child. Speech option included.  
Disk ..... \$19.50  
Cassette ..... \$17.50

**HC - 235 - Concentration Computer**  
Style, play 1 or 2 player children's version and adult version. Match up to 49 squares of color pictures or letters. If speech synthesizer is connected it will talk back to you.  
Member-price disk only ..... \$19.50  
Req. 32K, X1B, drives .....

**HC - 240 - Intergalactic Mission**  
You must guide your ship through hyper space and make successful landings on your home planet. Comes with detailed manual for explanation of all functions. Req. 32K, X,B  
Disk ..... \$19.95  
Cassette ..... \$19.95

**HC - 260 - Childgraphx**  
Children can create many things with this exciting program. They are able to learn colors, letters, as well as nouns, verbs, adjectives and adverbs. Documentation includes pictures and word cue cards. Various age and skill settings. Great for home and classroom.  
Logo 1 cassette ..... \$17.00  
Logo 1 disk ..... \$19.50

**CHALLENGEWARE**  
Section

**CW - 215 - Super Air Traffic Controller**  
You direct the planes to a safe landing. Your job is to control all flights incoming and out going. Best simulation ever.  
Member price ..... \$14.95  
Disk or cassette .....

**CW - 220 - Video Games**  
3 of the most popular video games ever. Poodle, Pot Shot and Pinball. Great family fun for hours.  
Member price cartridge ..... \$24.95

**More Commercial Software**

**CW - 225 - Othello**

Your mind is put to work here. The most popular strategy board game now computerized for lightning fast speed. For 2 players or you against the computer.  
Member price cartridge ..... **\$12.95**

**CW - 230 - Spiderman**

You command the powers of super hero - Spiderman as he faces all the exciting challenges that come his way.  
Member price  
Disk or cassette ..... **\$22.95**

**CW - 240 - Pyramid Puzzler**

Be the first to reach the top of the pyramid. 3 levels of competition - exciting animation and super sound effects for ages 8 to 12.  
Cartridge version only ..... **\$12.95**

**CW - 250 - Star Maze**

Help the lost alien make it to his home planet. Guide your way through the stars. Hours of enjoyment for ages 8 to 12.  
Cartridge only ..... **\$12.95**

**Commercial Software  
SPORTS ARENA**

**SA - 100 - Super Pro Football**

Original command module by TI. Be the pro football you always dreamed of. Make the plays that could win the Super Bowl!  
Member price Cartridge only ..... **\$19.95**

**SA - 110 - Pro Super Indoor Soccer**

Computerized soccer now for the TI. Fast action, great for kids.  
Member price Cartridge version only ..... **\$19.95**

**SA - 115 - Super -Par**

Great game for active golfers. You choose course, weather, clubs. 1 or 2 players choose the direction you want to hit the ball. Powerful and fun. (Req. X/Basic) joysticks + speech synthesizer recommended. NOTE: The #1 best golf and guide game in America "outstanding."  
Member price Disk ..... **\$28.95**

**SA - 120 - Computerized Physical Fitness**

Let the 99/4A help you plan an exercise program for you. Input data for your own personalized fitness program. Health clubs change hundreds of dollars for programs like this one.  
Member price  
Cartridge ..... **\$29.95**

**JK - 205 - Star Trek**

Original TI Software. The official arcade version.  
Member price cartridge ..... **\$9.95**

**JK - 210 - Super Congo Bongo**

You too can be king of the jungle. Take the safari your life.  
Member price Cartridge ..... **\$19.95**

**JK - 215 - TV Mash**

Now bring T.V. show to your computer. For 2 players or you against the computer.  
Member price Cartridge only ..... **\$19.95**

**COMMERCIAL SOFTWARE**

We now stock **Atari for TI-99/4A**

- SK-520-Defender ..... **\$11.95**
  - SK-525-Picnic Paranoia\* ..... **\$11.95**
  - SK-530-Shamus\* ..... **\$11.95**
  - SK-535-Donkey Kong\* ..... **\$29.95**
  - SK-540-Pole Position\* ..... **\$19.95**
  - SK-545-Moon Patrol\* ..... **\$19.95**
  - SK-551-Ms Pack Man\* ..... **\$19.95**
  - SK-560-Jungle Hunt\* ..... **\$19.95**
  - SK-565-Protector II ..... **\$19.95**
- Requires Joystick.

**ADVENTURE CLASSICS**

- AD-100-Adventureland ..... **\$7.95**
  - AD-110-Secret Mission ..... **\$7.95**
  - AD-115-Voodoo Castle ..... **\$7.95**
  - AD-120-The Count ..... **\$7.95**
  - AD-125-Strange Odyssey ..... **\$7.95**
  - AD-130-Mystery Fun House ..... **\$7.95**
  - AD-135-Pyramid of Doom ..... **\$7.95**
  - AD-140-Ghost town ..... **\$7.95**
  - AD-145-Savage Island I/II ..... **\$7.95**
  - AD-150-The Golden Voyage ..... **\$7.95**
- Please specify disk or cassette. All games require Adventure module.  
AD-160-Adventure Module ..... **\$6.95**

(HURRY LIMITED SUPPLY)

**COMMERCIAL SOFTWARE  
INFORMATION CORNER**

**BK - 200 - Super-Pilot**

Easy new language. 8 simple instructions to learn this two diskette package allows anyone to write in Pilot. Lightning fast processor. (Requires 32K + disk drives)  
Member price ..... **\$32.95**

**BK - 205 - 99/4A Toolkit**

Use this handy book for quick reference. Provides up to seventy routines, for color, sound, music, graphics. Over 200 pages of important information.  
Member price ..... **\$14.95**

**99/4A**

**24 Hour Ordering**

# COMMERCIAL SOFTWARE

## DB280 - Navarone

Database manager. The most popular data base for the Thousands of satisfied members have purchased D.B.M. that is the easiest to use.  
Member price ..... \$39.95

## DM285 - Disk Manager

Have complete control over all your disk. Updated version allows you to catalog, initialize a file each disk.  
Member price ..... \$19.95

## HL-100 - Basic Calc

Mini spread sheet with real number crunching capabilities. Easy command for use with printer.  
Disk \$16.95    Cassette \$14.95

## HL-200 - Checkbook

Handy checkbook program. Great for people who are just starting out.  
Cassette only ..... \$12.95

## HL-300 - E Files 99

Keep your address book right in your computer. Sort by any user defined field, add and delete names. Selective printouts available. (Req. 32K, X/B)  
Disk only ..... \$20.95

## HL-600 - Console Writer

Now turn your T.I. into a typewriter. Console writer allows you to print line by line to your printer. Great for kids and students.  
Cartridge only ..... \$19.95

## HL-700 - Mini Writer II

Super word processing program for use with T.I. computer.  
Cartridge only ..... \$29.95

## HL-750 - Mini Writer III

Same as above but with builtin RS232 for hook up to printer. Now get direct word processing to your printer.

## HL-800 - Astrology - Horoscope

Provides complete professional chart for astrology lovers of all kinds. (Req. 32K/XB)  
Member price ..... 19.95

## HC-240 - Casino Blackjack

One of the most popular casino games now brought to the T.I.  
Disk 19.95 ..... Cassette 17.95

## JK-220 - Micro Pinball

Now play real pinball just like in the arcade games. Keep track of the top 15 scores.  
Member price ..... \$19.95

## JK-240 - 3-D Star Trek

An updated version of the classic space war game.  
Member price Cartridge only ..... \$19.95

## \*Modem Programs and Utility Programs For IBM Transfer

### UT300 - 4-A Talk Modem Program

For use with T.I. computer and modem. Now talk to other computers with this handy modem utility program.  
Disk only ..... 19.95

### UT400 - P.E.P. Conversion Program

Allows you to dump T.I. files to the IBM computer.  
Disk only ..... 59.95

### NAG100 - Japanese Katakana

Translation program. Now get a full feature Japanese program. Built in English/Japanese conversion library.  
Now member price ..... 19.95

### BACK-UP SUPPLIES

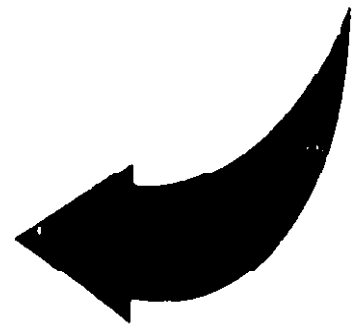
MD450 Modulators ..... 6.95  
TI180 - 12" Printer Stand ..... 12.95  
HC495 - Disk Head Cleaner ..... 7.95  
GC310 - Grom Buster - For '83 T.I. Computer 19.95  
FF200 - Flip N File. Now keep neat disk files 19.95

### TYPE FONTS FOR STYLEWRITER

CH710 - Old English    CH760 - Elan  
CH720 - Invitation    CH770 - Century Bold  
CH730 - Italics        CH780 - Roman Italic  
CH740 - Greek         CH790 - Sans Serif  
CH 750 - Jazzy         CH800 - Sans Serif Italic  
Price per type font ..... 19.95

CM5000 - Compuserve Kit ..... 9.95

(NOW IN OUR  
FOURTH YEAR)



# 99/4A N.A.G.

Support Your Group!

# 1-800-USA-99/4A

## USER GROUP UPDATE LIST

Please note this list will replace the current UG list. This new list will go into effect 1/1/87. Please be sure that when you order do so from this list.

### GAMES

UG#1	UG#2	UG#3	UG#4
1. Simon (B)(K)	1. Yatzee (X) (K)	1. Dogfight (X) (K)	1. Concentration (X) (K)
2. Craps (B)(K)	2. Froggy (X) (J)	2. Eggwars (X) (K)	2. Pin The Tail (X) (K)
3. Acey Ducey (B)(K)	3. Keno (X) (K)	3. Space (X) (K)	3. Dragon Maze (X) (K)
4. Backgammon (B)(K)	4. 3D Tic Tac Toe (X) (K)	4. Sword Escape (X) (K)	4. Meteor Catch (X) (J)
Disk \$12.00/Cass. \$8.00	Disk \$12.00/Cass. \$8.00	Disk \$12.00/Cass. \$8.00	Disk \$12.00/Cass. \$8.00

### HOME/BUSINESS

UG#5	UG#6	UG#7	EDUCATION UG#8
1. Super Match (X) (K)	1. Payroll (B)(K)	1. Cookie Recipes (X) (K)	1. French (B)(K)
2. Bonkers (B)(K)	2. Shipping Label (B)(P)(K)	2. Bio/Rythems (B)(K)	2. German (B)(K)
3. Battle (B)(K)	3. Journal (X) (K)	3. Basic Writer (B)(K)(C)	3. Spanish (B)(K)
4. Nomad (X) (K)	4. Checkbook (X) (K)	4. Card List (B)(K)	4. Vocubular Test (B)(K)
Disk \$12.00/Cass. \$8.00	Disk \$12.00/Cass. \$8.00	Disk \$12.00/Cass. \$8.00	Disk \$12.00/Cass. \$8.00

### EDUCATION UG#10

- 1. Geometry (B)(K)
  - 2. Chemistry (B)(K)
  - 3. English (B)(K)
- Disk \$9.00/Cass. \$6.00

(B) - Basic  
(K) - Keyboard  
(J) - Joystick  
(M) - 32K Mem  
(X) - Extended Basic  
(S) - Speech  
(P) - Printer

### PRE-SCHOOL

#### UG#11

- 1. Shapes (B)(K)
  - 2. Alpha Draw (B)(K)
  - 3. 1st Addition (B)(K)
- Disk \$9.00/Cass. \$6.00

## GREAT PROGRAMS AT A GREAT PRICE

# SPECIAL EDITIONS

**1 CM Keyboard:** Turns your console into a morse code practical keyboard - Reg. and Basic.  
Cassette 6.95 ..... Disk 7.95

**2 Dish**  
A program designated to help determine how to build a dish antenna for "HAM" radio operators.  
Cassette 6.95 ..... Disk 7.95

**3 Pipeline**  
Calculate pressure drop in new steel or cast iron pipeline.  
Cassette 6.95 ..... Disk 7.95

**4 Source Time:**  
Keep track of your monthly expenses while using the source and similar BBS.  
Cassette 6.95 ..... Disk 7.95

**Phone Com**  
Converts phone number to equivalent "Names and vice versa"  
Cassette 6.95 ..... Disk 7.95

**Basic Primer**  
Explains semi-advanced use of TI Basic.  
Cassette 6.95 ..... Disk 7.95

**Animal**  
Computer tries to guess the name of the animal you are thinking of by asking you questions.  
Cassette 6.95 ..... Disk 7.95

**Maze Printer**  
Generates mazes on your printer paper.  
Cassette 6.95 ..... Disk 7.95

**Statement**  
Prints billing date, name, auto bill to, date of expense, amount. Auto line up for print out.  
Cassette 6.95 ..... Disk 7.95

**Heat/Flow/Drain**  
Calc heat transfer, coefficient for water cooling and heating systems, calc drain time in minutes and seconds.  
Cassette 6.95 ..... Disk 7.95

**Bartenders Guide**  
Great user friendly program for amateurs as well as professional bartenders. Great for parties.  
Cassette 6.95 ..... Disk 7.95

**Weather Forecaster**  
A constt winning program one of the best programs of its kind very accurate.  
Cssette 7.95 ..... Disk 9.95

**Jr. High Calc**  
Calculate area circumference, prime numbers and cones sizes.  
Cassette 6.95 ..... Disk 7.95

**Temp/Conversion**  
Converts temp from celsius to farenheit, Kelvin or Rankin to scale and Graphical Comparison of Temp Scales.  
Cassette 6.95 ..... Disk 7.95

**Word Demo**  
Merge to any program for word wrap on your screen.  
Cassette 6.95 ..... Disk 7.95

**Smoker**  
Analyze why you smoke and ways of helping to stop.  
Cassette 6.95 ..... Disk 7.95

**Sound Effects**  
Short programs to merge with your programs. Sounds include: Bells, engines and footsteps and more.  
Cassette 6.95 ..... Disk 7.95

**Math**  
Short math quizzes on addition, subtraction, multiplication and division plus a special young ones addition and division program.  
Cassette 6.95 ..... Disk 7.95

**Bargraph Maker**  
Makes a colorful bargraphs from data.  
Cassette 6.95 ..... Disk 7.95

**Satellite Tracking Program**  
Will track all communication satellites and will determine their position in the sky.  
Member price ..... Cassette 7.95 Disk 9.95

**Connect 4 Strategy Speech Game**  
This board game pits you against a friend in an exciting strategy game. Speech synthesizer and extended basic required.  
Member price ..... Cassette 6.95 Disk 9.95

**Checkers**  
Play this great game against the computer.  
Member price ..... Cassette 7.95 Disk 9.95

**Starwars**  
Super fast action game with great graphics (X-Basic and Joysticks).  
Member price ..... Cassette 7.95 Disk 9.95

**Graphics**  
Generate graphics for your programs (X-Basic).  
Member price ..... Cassette 7.95 Disk 9.95

**(NOW IN OUR**

**FOURTH YEAR)**

**SPECIAL EDITIONS**

**1-800-USA-994A**

**Video-Library**

This program allows you to enter up to five hundred titles, locations and tape information, allows you to use for personal or family video tape library. Another use might be a quick directory, name, member number and which disk they are located on. Great for home or business. Almost unlimited uses. On Disk .... 19.95

**Star-Micronics**

This program allows the user to format their STAR Micronics Powertype Printer. You select several different prompts. Expertly written and documented. This will set all modes of your printer.  
Disk ..... 12.95

**Spritechor, Spritefile, Sprite play, Sprite work**

These four programs allow you to create, save, file, run your own sprit programs. A great addition to anyone's sprite files. Excellent documentation, easy to use, fun for everyone.  
Disk ..... 19.95

Disk \_\_\_\_\_ 19.95  
*NOTE: Some programs on this disk require the use of a speech synthesizer.*

**Bowling Recorder**

Keep track of Bowling Teams Records: Adjustable handicap, averages and more. (disk, 32K, X-Basic). Printer Optional.  
Member price ..... Disk only 14.95

**Coin/Stamp**

A must for collectors. Can be adjusted for other hobbies. Printer Optional.  
Member price ..... Cassette 7.95 Disk 9.95

**Printer**

A program to select the printer type styles. For RS232 Printers.  
Member price ..... Cassette 6.95 Disk 7.95

**Printer II**

Same as above except for PIO Printers.  
Member price ..... Cassette 6.95 Disk 7.95

**Concrete**

A structural engineering program to design ultimate movements in concrete beams. (X-Basic) Printer Optional.  
Member price ..... Cassette 7.95 Disk 9.95

**Timber**

A structural engineering program to design uniformly loaded timber beams. (X-Basic). Printer Optional.  
Member price ..... Cassette 7.95 Disk 9.95

**Section**

A structural engineering program to calculate the section properties of any shape. (X-Basic and Printer).  
Member price ..... Cassette 7.95 Disk 9.95

**Scale Size**

For Photographers, Architects, Civil Engineers, Graphic Arts, etc. This program allows you to determine width and heights of any square or rectangle. Format or Aspect ratio.  
Member price ..... Cassette 7.95 Disk 9.95

**Hearing Test**

A professional program to test ones' hearing ability.  
Member price ..... Cassette 7.95 Disk 9.95

**1st Program**

Recommended for children 2-6 years old. A great start for getting the kids on the computer.  
Member price ..... Cassette 7.95 Disk 9.95

**Wheel of Fortune**

A fun, fast filled version of the T.V. Show. Super graphics makes it true to life with different categories of puzzle solving this is fun for all ages.  
Disk only \_\_\_\_\_ 9.95

**FUN & GAMES**

**FG-200 - Monopoly**

Now available for the TI "Monopoly" the board game you've played all your life now comes to the TI computer. This computerized version offers all the same features as the board game, but with the computer enhanced version you'll play for hours. You can buy, sell or trade property just like the board game. An on screen menu gives you a choice of 5 options each time its your turn. The computer will even roll the dice.  
Disk only ..... 14.95

**FG-210 - Scrabble**

Again one of the most popular board games, now brought to the TI computer. On screen appears a scrabble board, each playor namo (can handle 6 players at a time) and their letters as well as their score. Everything still counts here, double word, triple letter and bonus points. Makes computerized scrabble fun for everyone.  
Disk only ..... 14.95

**Special Offer: Buy both Monopoly and Scrabble for only 19.95.**

**Support Your Group!**

**1-800-USA-994A**

**FG-215 - Battllestations**

Protect your home ship from attacking enemy forces coming at you from all sides. Your only defense is four ray guns. Shoot in any direction to ward off enemy free. But beware the better you are the faster they come after you.  
Member price ..... Disk 9.95 Cassette 7.95

**99/4A**

**EDUCATION**

**1-800-USA-994A**

**ED-200 - Electronic Logic**

This program will simulate digital logic software. You enter the data and the computer will display the resulting circuit action in oscilloscope form: very helpful to students studying digital electronics.  
Cassette 7.95 ..... Disk 9.95

**ED-205 - Factorial Computation**

This program will calculate the factorial of any positive integer up to 85. Great for students of electronics or trigonometry.  
Cassette 7.95 ..... Disk 9.95

**Ed-210 Trig101**

Figure 9 different trigonometric functions of an angle with this program. Great learning tool for all students.  
Cassette 7.95 ..... Disk 9.95

**HOME**

**LHM-200 - Family Library**

Classify all your books with this program. Choose subject, author, location or key word. Adjustable to fit your needs.  
Cassette 7.95 ..... Disk 9.95

**HM-205 - Family Library II**

This program allows you to keep track of your magazine collection. Classify by title, date of publication or page # also can be adjusted to fit your needs.  
Cassette 7.95 ..... Disk 9.95

**HM-215 - Family Library III**

Keep a list of records, cassettes or compact disks. Data statements hold info such as title group, running time and company. Make changes to suit your needs.  
Cassette 7.95 ..... Disk 9.95

**HM-220 - Grocery List**

The computer will list the items you input quantity. Complete list add or delete items Convenient print out.  
Cassette 7.95 ..... Disk 9.95

**HM-225 - Check Scanner**

Input checks or deposits and Quicksan allows for easy retrieval. A short description is allowed for each entry.  
Disk only 9.95

**HM-230 - 99/4A Budget Analyzer**

This is the most complete home budget program. On board instructions allow for easy use. 10 options allow a range of activities to be done. View data, calculations, and actual data vs. what you budgeted.  
Disk only 14.95

**HM-235 - VCR-organizer**

Use this handy file program to catalog movies on your Beta or VHS tape. Input title, rating, star, counter time and more. Printout for hardcopy file.  
Disk only 14.95

**Darts**  
Computer places the color dart board on the screen. You adjust for windspeed by moving the crosshairs, fire & try to hit the bullseye, color & sound makes this one really stand out. Will run in basic!  
Cassette 7.95 ..... Disk 9.95

**Jousting**  
Battle the black knight against 4 Demon Dragons, Choose Lance, Mace or Sword as your weapon. Are you up to the battle?  
Cassette 7.95 ..... Disk 9.95

**Basic/Type**  
Use this quick word processor to type letters, same functions as brand name word processors at 1/2 the price, menu driven this program is very user friendly.  
Cassette 7.95 ..... Disk 9.95

**Super Chess X**  
Available for the 99/4A only. This strategy game will have you hooked. If you love chess you'll enjoy this new variation.  
Cassette 7.95 ..... Disk 9.95

**Support Your Group!**

# 1-800-USA-994A More Special Editions

## SE-230 Stock Market

Now keep an accurate cost of all your stock market dealings. Profit/loss feature. Now get quick responses to your questions.

Disk only ..... \$14.95

## SE-240 - Bowling Secretary

Now keep your bowling records on the computer. Input weekly scores, display team summary, input new bowler or display bowlers records. Most accurate program ever.

Disk only ..... \$14.95

## SE-250 - Bill Tracker

Now you can keep track of your fixed or variable bills. You can now keep a complete history of all your financial transactions. Menu driven for user friendly results. Save to cassette or disk.

Disk ..... \$12.95

Cassette ..... \$9.95

## SE-125 - Fastype

Now easy word processing brought to you. Professional program, easy to use. Line by line programmable. Great for notes or memos.

Disk only ..... \$9.95

## SE-139 - Gothic

Now print up to 27 characters in Gothic print. Do letterhead or just personalize your work.

Disk only ..... \$9.95

## SE-135 - Pro/Label

tired of messy disk labels. Now have your computer do a professional job. Choice of border, up to 3 lines of text on standard 3" label.

Disk only ..... \$9.95

## SE-140 - Super Catalog

Now have an instant disk catalog anytime. Put this on your program disk and always have an instant catalog.

Disk only ..... \$9.95

## SE-145 - Super Catalog A

Same as above but you get to add comment lines to this program. Professionally written for the TI-99-4A.

Disk only ..... \$12.95

Tired of typing OLD DSK./Filename. Well here is the program to save you. Save this program on your program disk, select X/Basic and get an instant menu. This is the one you've been asking for, Will index up to 27 programs on your screen.

Disk only ..... \$9.95

## SE-155 - Personal File

The newest complete filing system for cassette owners. Many new functions. Easy to use menus. Super fast.

Cassette only ..... \$12.95

## SE-160 Statistician

A nifty program for handling and analyzing the statistical data that many of us deal with. On board instructions, very easy to use.

Disk only ..... \$19.95

## SE-165 - Wages

Now calculate wages for your employees. Quick and easy to use. Great for home or office.

Disk ..... \$9.95

Cassette ..... \$7.95

## SE-170 - Personal Recordkeeping on Cassette Personal File

Create/add/save/print. Use cassette for storage. Just like the module. Great for small business, quick reference.

Cassette only ..... \$12.95

## SE-180 - Story Writer

Now you can write your own stories. Whenever you need a word simply type in a keyword and the computer will help you find nouns, verbs, adjectives, etc. Great for teachers or students or anyone interested in writing.

Disk or cassette ..... \$14.95

## SE-190 - Electronic Truthtable

Now available the truthtable for easy quick reference. This program is a must for all electronic students.

Disk only ..... \$9.95

## SE-195 - Cardiac Self-Evaluation

This program will tell you if you are prone to cardiac problems. You will match phrases to numbers and at the end of the test your results will be given to you.

Disk only ..... \$9.95

## SE-200 - Any Coupons or Discounts

Now keep track of your newspaper coupons. You can add/delete and update. This program will never let coupon go by unused. Menu driven for easy use.

Disk only ..... \$9.95

## SE-210 - Mail/List

Professionally written easy read menu screen. Now get one complete mailing list in one program. Alphabetize, print labels and search are just a few options. Great for home or office. Great save and edit features.

Disk ..... \$19.95

Cassette ..... \$12.95

## SE-220 - Interior Decorator

A must for everyone. Now arrange any room in the house with this program. Before you do all your heavy lifting, sit down with this program and see how it looks first. Great time saver.

Disk or cassette ..... \$19.95

## SE-225 - Cassette Files

This program will allow cassette owners with two recorders to automatically store important data files to a second cassette player.

Cassette only ..... \$14.95

Dual cassette cables available ..... \$9.95

# 1-800-USA-994A





## NEW SPECIAL EDITIONS

### SE-300 - Nutrition

Choose from 27 food groups to obtain an approximate nutrition count for the day. All food groups included.  
Cassette 7.95 ..... Disk 9.95

### SE-305 - Home Improvement

This program will calculate heating loss for your home. Input types of windows, doors & house. Order 15 checkpoints.  
Cassette 7.95 ..... Disk 9.95

### SE-310 - Pinball

Now play and create your own pinball games. Play Default game included or build your own.  
Disk only 12.95

### SE-315 - Golf Handicapper

Keep track of scores, & golf course types. This program will produce your handicap for the last 20 games.  
Cassette 7.95 ..... Disk 9.95

### SE-320 - Frogger

Just like the arcade version. Try to cross the frog across the highway and lake to home base.  
Cassette 7.95 ..... Disk 9.95

### SE-345 - Vocabulary Quiz

This program will test your knowledge of some useful vocabulary words.  
Disk only 9.95

### SE-355 - Proskling

Now be the enray of the slopes. Try to ski through as many flags as possible. Speed ratings from 1 to 40. Keyboard controls.  
Cassette 7.95 ..... Disk 9.95

### SE-360 - Artillery Battle

Command your troops, key in coordinates, try to hit enemy in as few shots as possible. The more you miss the accurate your opponent becomes.  
Cassette 7.95 ..... Disk 9.95

## NEW SPECIAL EDITIONS

### SE-325 - Backgammon

Now have the most popular two player game on your computer. Play opponents or play the computer. On board instructions.  
Cassette 7.95 ..... Disk 9.95

### SE-330 - Space Guard

Space action game. Fly your ship across the screen. Try to destroy flying across you path.  
Cassette 7.95 ..... Disk 9.95

### SE-335 - Asteroids

Fly through the asteroid belt to test your skills. Don't get hit by falling asteroids.  
Cassettes 7.95 ..... Disk 9.95

### SE-340 - Hang "Pac" Man

A new twist on an old favorite. Get all the excitement of Hangman. But each letter you miss a step closer to Hang "Pac" Man.  
Disk only 9.95

**NEW**  
Add 32K  
For Only  
\$6.95  
Inside!

**NEW**  
80 Column  
Card  
Inside!

TI Writer instructions for your TI-Writer disk program now available. SE-400.  
6.95 Instructions

**1-800-USA-994A**

The most innovative expansion card ever designed for the TI 99/4A. This peripheral expansion memory card gives you new features, more power and control than ever before. Your computer can now perform tasks beyond all limits. It is packed with unique functions; to transform you 99/4A.

**Features:**

128k RAM/GRAM memory - 64k RAM and 64k GRAM

Expandable to 512 - Two + 1 megabyte RAM

Use "Load" files for custom system operation from main menu screen

Add an extra 13k to Basic programs

Load and run assembly programs

Load and run GPL programs

Save GROM modules and programs to disk

Save ROM programs to disk

Load and run ROM/GROM programs

Load console GROMS 0-2 into the GRAM card, modify the 99/4A console operating system for new features!

Menu access up to 8 choices (modules, etc.) from main screen

Hex monitor allows you to change CPU, VDP and GROM memory directly from keyboard input

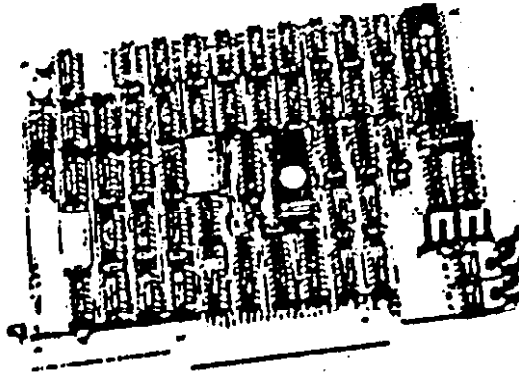
all software is on card. No disk required

Change CRU address base via switches

**128k  
512k**

**New  
Ram/Gram  
Card**

the ULTIMATE EXPANSION for the TI99/4A



**Available: NOW**

**\$249<sup>50</sup>**

Fully compatible with TI, CorComp and Myarc disk controllers. Switch selection ensures compatibility with all current and future expansion cards. Tested with Foundation 128k and Myarc 128k memory cards. Horizon RAMDISK, Myarc and TI RS-232 cards. Now you can access all the true power of your TI 99/4A AT A REMARKABLE PRICE. Anything you wish can now be accomplished! Download your most used modules. Modify programs to suit your needs. With the imminent 80 card column card, you can have a "new" computer now, equal to any comparable machine on the market. Place your order today.

80 Column  
Card  
**NEW**

**FOR  
99/4A  
COMPUTER**

80 Column  
Card  
**NEW**

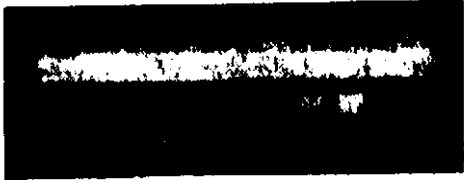
**NEW NEW NEW 1-800-USA-994A**

80 Column

**80 COLUMN CARD NOW AVAILABLE  
WE NOW HAVE THE 80 COLUMN CARD.  
WILL WORK WITH T.I. WRITER AND  
YOUR OTHER PROGRAMS.**

**Only 199.95**

**Works with CORCOM T.I. 34BX, and Myarc Systems.**



# COMPATABLE MODEM

Only \$115<sup>95</sup>

300/1200 BAUD

Auto Answer Auto Dial

works with virtually every computer system.

## 1-800-USA-99/4A

We have a cable  
for your system.  
CALL FOR PRICING.

- Direct connect
- External AC Adapter
- 8 LED Status Indicators
- Auto Answer and Dial
- Hayes Compatible AT Command Set
- Bell 103 and Bell 212A Compatible
- Tone or Pulse Dialing
- Free CompuServe Access Time
- Convenient Telephone Connection Jack
- Standard DB25 RS-232-C Connector
- 8 Option DIP Switch
- FCC Approved
- Full 1-Year Warranty
- 29 Page full-Color Users Manual
- **Toll Free Service** and Assistance Number from Manufacturer

# Our 300 / 1200 Modem

by Brian Bourbonniere

I recently received the AVATEX 1200 modem from the U.S. This is a 0-300, 1200 bps (baud) intelligent modem, and it is semi-Hayes compatible. The unit comes with a modular phone cord, power adapter, a 30-page color users guide, free Compuserve time, a two-page addendum of additions and corrections for the user manual, and of course, the modem itself. Also included is a two-year warranty on parts and labor.

I ordered this unit from the 99 / 4a National Assistance Group in Fort Lauderdale, of which I have been a member for almost a year. They require that you be a member to order from them, a \$10. per year cost, but that entitles you to about half a dozen newsletters, several catalogs, and other mailings throughout that year. The total cost for this package (excluding an RS232 cable) was about \$200 CANADIAN after FSI and Duty! That price includes shipping (air mail), handling, and insured delivery.

It took five weeks exactly for my order to be received, which includes the time for my order to be mailed and the modem to be mailed back. In fact, the postmark on the box shows that it took less than two weeks for the package to get here from Florida. There is no computer-to-modem cable included, but the wiring diagrams for just about every home computer around are included in the addendum. I have not tried the diagram provided, as I found a standard cable with the normal T1 cross-overs (2-3 and 6-20, everything else one to one) works fine.

The manual is well written and informative. It includes sections on setting up and using the unit, general communications, and a section on modem tests (an eight position DIP switch at the back of the unit is used for testing). The modem is fully compatible with 4A / TALK. The unit performed flawlessly on all occasions. The modem looks much like a Hayes unit. It is light beige in color (very similar to the 1983 II console cover) and about 9x6x1.5 in size. There are eight LEDs on the front, as well as three two position buttons. One button is for power (on / off), one for 0-300 — 1200 bps operation, and one for voice— data use of the phone line. The eight LEDs are for: power; terminal ready; send data; receive data; high speed (1200 bps); modem check (idle); test mode; and ring detect.

The appropriate LED comes on when a function is being performed. This is an intelligent modem, which means it can be programmed to do a number of things by itself. It uses most of the Hayes AT commands, such as DT (touch tone dial), DP (pulse or rotary line dial) and AA (auto-answer). The pulse dialing option is a must for anyone without touch-tone service, as a rotary line will not usually accept tone signals.

All in all, I think it's a pretty good modem, especially when the price is taken into consideration. Although I've only had it for about a week, I've used it enough to know that I like it. Auto-dialing lets me do everything from the keyboard -- no telephone to mess with -- the lazy (me) computer user's dream come true. I've had no problems at any point in time, from hooking it up to having it answer the phone. If you can get your hands on one of these, I'm quit sure that you'll be just as pleased as I am.

**99/4A N.A.G.**  
**Support Your Group!**

## We Get Letters

To Whom It May Concern:

HELPIII I am in dire need of assistance. Last Christmas, Santa Claus slid down the chimney and left me with a Texas Instruments TI 99 / 4A home computer.

At first I was very pleased, but that soon dimmed as I learned that programs and hardware for this jewel are very hard to find. Fortunately, I came across some information that you might be able to assist me in locating, both hardware and software, both new and used.

I sincerely hope that you can aid me in this endeavor, as it would not only be appreciated by myself, but by my poor, suffering, "I've created a monster!!" wife.

I look forward to hearing from you in the near future. Thank you and have a Happy New Year!

Sincerely yours,



Steven M. Scheel

## How does it work

## Let's make it simple

by Dr. R.D. Kurtz, President

In this column we will try to explain some of the most asked about questions that we receive from our members each month in simple, non-technical English. This month many of our members have inquired about our new XT keyboard. How is it installed & How does it work & Do I need one

### THE XT KEYBOARD

When you receive your new Xt keyboard you will find that it is identical to the IBM type board now in use. You will also find an interface card that replaces the keyboard on your 99 / 4A console. You remove two screws from the back of your 99 / 4A console and plug in your current keyboard. Now you simply plug in our interface card into your console, put back the two screws you had previously removed and take the cord from your now keyboard and plug it into a designated place on the interface. **It's that simple!**

The Xt keyboard is just like the IBM type keyboard you now have -- separate function keys, and a numeric key pad, one touch operation on most functions. **It's that simple!**

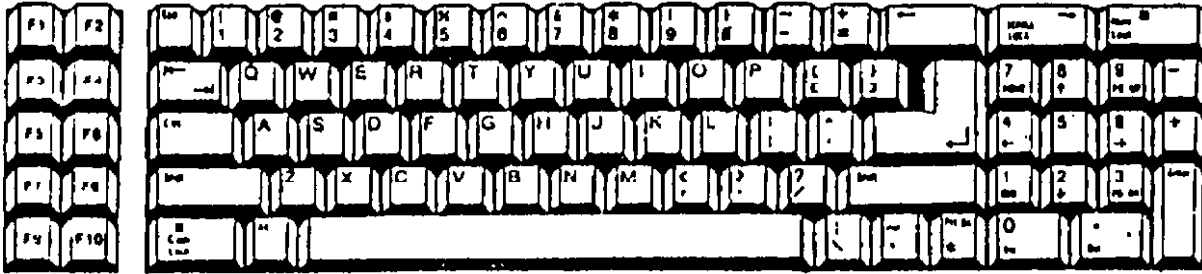
Do I need one & if you own TI Writer or Multiplan or you feel that TI console keyboard is not what you are used to, the Xt keyboard is a blessing. You do not need an expansion system to operate the Xt keyboard.

The 99 / 4A national headquarters technical division gives the new Xt keyboard its highest rating.

Available for **ONLY \$199.95.**

## Support Your Group!

## COMMAND CENTER KEYBOARD



REPLACES YOUR CURRENT 99/4A KEYBOARD

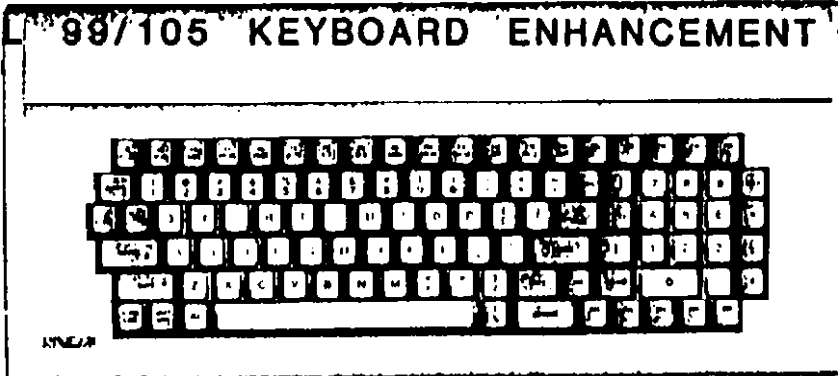
### MODEL XT/99/4A STANDARD FEATURES

NOTE: (SAME SIZE AS IBM)

☆☆☆ New Products for your 99/4A ☆☆☆

MODEL 99/105 KEYBOARD ENHANCEMENT - \$199.95

**NEW!**



THE FOLLOWING ARE STANDARD FEATURES ON THE MODEL 99/105 KEYBOARD ENHANCEMENT...

- • INTERFACE LOGIC CARD WHICH INSTALLS EASILY IN CONSOLE WITHOUT SOLDERING.
- • 105 KEY KEYBOARD WITH 24 FUNCTION KEYS.
- • SUPPORTS SINGLE KEY ENTRY OF ALL TI-WRITER, MULTIPLAN, AND EDITOR/ASSEMBLER COMMANDS.
- • ATTRACTIVE LOW PROFILE KEYBOARD WITH ADJUSTABLE TILT ANGLE AND 5 FT. CORD.
- • DEDICATED NUMERIC KEYPAD WITH NUMERIC OPERATORS.
- • DEDICATED CURSOR CONTROL KEYS.
- • ENLARGED RETURN, SHIFT, AND CONTROL KEYS.
- • OPTIONAL USER INSTALLED RESET AND LOAD INTERRUPT CAPABILITY FROM KEYBOARD.
- • DETAILED INSTALLATION AND OPERATING INSTRUCTION MANUAL INCLUDED.

#### KEYBOARD INTERFACE CARD - \$140.05

- • Interface card installs in 4A console in place of old keyboard and allows use of any IBM PC/XT compatible keyboard with your 99/4A. Interface card supports all 83 standard PC/XT key codes.
- • Comes with complete, easy to follow installation and operating instructions. NO SOLDERING REQUIRED.

**NEW!**

# 1-800-USA-99/4A

# STEVE WOZNIAK STORY

by Bill Gregory

**From electronic prankster to multi-millionaire: the story behind the creation of the Apple computer.**

In the United States, Steve Wozniak is best known to the public for staging vast outdoor rock concerts, not as the man who built Apple I and II singlehanded, in his garage. But in the computer business he is known as the electronic wizard who did more to simplify and popularize the micro-computer than anyone else. Wozniak's machines were the first to have color, graphics, a keyboard, and video, all as standard features. And the Apple II has been so popular that one million have already been sold.

Steve Wozniak's rise from garage engineer to dollar billionaire reads only like a modern Californian fairy tale. He was born and brought up in the now-famous birthplace of the chip, Silicon Valley, California. His father was a professional engineer. Although he did teach his son the most elementary rule of electronics, Ohm's Law, in the main Wozniak taught himself electronics.

His early years were spent playing with electronic parts and using his technical genius to play pranks at school. On one occasion he built an electronic device called a blue box: an idea he got from a technological outlaw character in a magazine story. The device could mimic certain tones in the telephone system. These particular tones meant that the caller had inserted the required amount into the telephone's coin box. This enabled Wozniak to make free telephone calls all over the world. He talked to people in England, and even called the Pope direct.

Wozniak was never trained as a professional engineer; he excelled in math and electronics at school, but dropped out of college. His first job was as a technician at the huge American corporation Hewlett Packard, designing calculators. They said he was not trained to do what he really wanted to do, which was design computers. So he started working on his own, usually at night, and designed a microcomputer that Hewlett Packard turned down. Undeterred, he left the company, and with his school friend (and partner in pranks) Jobs, Steve made and sold 50 of the design. The Apple I was born. They called the computer and company Apple, simple because Jobs had once worked in an orchard.

Between 1975 and 1976 Wozniak locked himself in his garage. Here his creative bursts of work lasted days and nights on end before he finally produced the Apple II. He was 26 years old. The experts still regard the Apple as an amazing feat of brilliantly simple circuitry and design. They say Steve Wozniak can read the system in the timing and circuit diagrams of a chip as easily as some people read fortunes in tea leaves. One of the important innovations in the Apple II was the simplifying of the disk drive. Before Wozniak, it had needed 30 chips, but he redesigned it for a microcomputer to use only five. It was not so much that Wozniak invented anything completely new, but that he simplified all the parts and packaged them together so that everyone and anyone could use the computer at home.

Wozniak never intended to go into business. It was his partner Steve Jobs who was responsible for selling the Apples and for setting up the Apple Corporation. The company now has 3,300 employees all over the world and is said to have made at least 50 people millionaires. Wozniak owns just four percent of Apple and has never been interested or involved in the management side. He still prefers to play with computers and dream up new ideas.

## **IBM AND APPLE COMPATIBILITY IS HERE!**

29

# **COMMAND CENTER XT PLUS**

## EDITOR / ASSEMBLER MANUAL CORRECTIONS

- Page 42, Section 3.1.3.1 -- In the first paragraph, last sentence, change "least" to "most."
- Page 92, Section 6.8 -- In the second line of the example, change "value of ADDR" to "value in ADDR."
- Page 103, Section 6.14.2 -- In the example, change "MOV \*11,1" to "MOV \*11-,1".
- Page 127, Section 7.20.1 -- In next to last line, change " 2220" to " C220".
- Page 168, Section 10.5 -- In the example, change " 2A41" to " 2A41" and change "Register 3" to "Register 2."
- Page 262, Section 16.2.4 -- Add the following note.
- NOTE: Some devices modify the GROM read address. RS232 and TP are known offenders. If your program accesses these devices, it should save the current GROM address (see section 16.5.2) before the I/O operation and restore it (see section 16.5.1) afterwards. Otherwise the program will not be able to return to the Editor or Assembler or to Basic, or perform a BLWP GPLLNK properly.
- Page 289, Section 15.2.1 -- Change line 130 in the Basic program to CALL LOAD ("DSK1.BSCSUP", "DSK2.STRINGO"). This assumes that the source file on the next page has been entered using the editor, and saved as DSK2.STRING, and that the assembler has been run, using DSK2.STRING for a source file and producing DSK2.STRINGO as an object file.
- Page 328, Section 21.1 -- The default for VDP Register 7 is 07 in the BASICs.
- Page 335, Section 21.5 -- In the second paragraph, change " 00 or 04" to " 03 or 07." In the next to last paragraph, change " 00 or 04" to " 7F or FF."

Page 415, Section 24.4.8 -- The second instance of GRMRD should read "GRMRA EQU 9802."

Page 416, Section 24.4.8 -- The second line should read "NUMREF EQU 200C."

Page 420, Section 24.5 -- Add the following note.

NOTE: A program to be saved using the SAVE utility should not have an entry point defined on the END statement. If you want to save the Tombstone City game in memory image format, you must first change the last line from "END START" to "END," and then reassemble the program. Otherwise the game starts to run as soon as it is loaded and you do not get a chance to execute the SAVE utility.

Page 465, Section Index -- VDP write -- only Registers -- add p. 267.

**Add 32K**  
**TO YOUR COMPUTER**  
**IN LESS THAN 4 HOURS**  
**AT A COST OF**  
**LESS THAN \$15<sup>00</sup>**  
**Send \$6<sup>95</sup>**  
**FOR COMPLETE INSTRUCTIONS**  
**ATTENTION CUSTOMER SERVICE**



# THE WORLD'S LARGEST COMPUTER GROUP 99/4A N.A.G. Support Your Group!

## In Review THE AGE OF THE MOUSE

By Gary Guibor

Most of the major systems offer one peripheral which, until now has not been available to the TI user. A MOUSE! We have had to be satisfied with using our cursor arrow keys or joysticks. But now, Mechatronic has heard our pleas and provided the TI-MOUSE.

Many of your exhibiting Extended BASIC programs may be modified to take advantage of MOUSE control capabilities. The TI MOUSE package requires a TI-99/4A system with Extended BASIC, 32K RAM and disk drive. The system includes the TI MOUSE (which attaches to the joystick port), introductions, disk software, and an AC adaptor.

The software includes a MOUSE controlled disk manager (TI-DOS), a MOUSE calculator, and a MOUSE operated game. These serve as examples to demonstrate a range of mouse utilities.

My first impression is that the TI-MOUSE is well built and appears to be quite durable. Second, it is easy to attach. Then I found a problem; the instructions said that I needed a clear area, about 8.5" x 11" to operate the MOUSE! This meant I had to find my desk top. After moving papers, disks, and much dust I was ready.

Beginning with the game, I found the MOUSE control much easier and more responsive than joysticks would be. It also demonstrates that the MOUSE may be incorporated into advanced assembly programs. Some additional information on assembly address locations are provided in the documentation.

The MOUSE may be used to easily create menus in Extended BASIC. Placing the MOUSE cursor on a specific symbol and pressing the MOUSE key, the program may branch to the selected subprogram or option. The MOUSE cursor is treated as Sprite #1 allowing the user to define the visibility, color, size and shape of the image used.

Mechatronic also produces the Extended BASIC II Plus cartridge which has all the features of TI's, plus a graphics mode which offers 40 powerful graphics "drawing" routines. And of course, the TI-MOUSE works well with Extended BASIC II Plus.

**FROM YOUR 99/4A N.A.G.**

**NEW**

**NEW**

**NEW 99/4A SUPER FLIGHT SIMULATOR**

Announcing the flight simulator you have been waiting for.

- ★ You can pilot your plane then take off, flight and landing sequences.
- ★ All landings and take-offs are graphically depicted on the screen.
- ★ Land and take-off from four different airports.
- ★ Choose four different weather conditions.
- ★ Complete and easy to read cockpit gauges.
- ★ Exciting sound effects.
- ★ Joysticks or keyboard control.

**(NOW IN OUR  
FOURTH YEAR)**

One of the most exciting new software cartridges we have tested.

Member price..... \$29.95

**IBM and Apple Compatibility  
(in one unit)**



**CALL FOR A FREE  
CATALOG!**



# NEW

## THE PRINT SHOP IS HERE!

For years TI-99/4A owners have looked longingly at programs such as Printshop (R) and Newsroom (R) for Apple, Attari and Commodore computers. We all have wished we could do the things that Fontrix (R) does on the IBM PC. Well, now there is a program for the TI-99/4A that does these things, and because of the special features of the 99/4A, does a whole lot more.

Font Writer, like TI-Writer, is more than one program. The first program in the package is Font Editor — a program that will let you edit existing TI-Artist or CSGD fonts, or create new ones from scratch. Font Editor contains an innovative editing window, dozens of powerful menu-selectable utilities, and supports even more powerful user-defined macro drawing commands for drawing often used figures with a single command.

The real power of Font Writer, and it's most innovative part, is the Text Formatter. This program accepts standard TI-Writer files with virtually every imbedded text formatting command supported by TI-Writer, along with many new such commands for graphics support, to allow you to integrate text fully with graphics easily. Text Formatter accepts new commands for printing text in different fonts, including pictures and other graphics, and more. This easy-to-use program is as simple to use as TI-Writer, yet does so much more.

Font Writer requires Extended BASIC, 32K, and a disk drive system. Extensive documentation is included

Member Price .....\$24.95

# 1-800-USA-99/4A

# NEW

# NOW YOUR PRINTER BECOMES — A PRINT SHOP! —

Add up to 17 type styles to your printer including, Roman, Old English, Greek and many many more. This interface will triple the value of your printer: Just plug in, easy to use.

StyleWriter makes your dot matrix printer perform like an expensive letter quality printer. Connecting the small StyleWriter unit between your computer and the printer lets you print letter quality documents with multiple typestyles and sizes.

StyleWriter is an 8085 processor and self-contained ROM-based software. StyleWriter works by intercepting the ASCII coded text sent by any computer program and converting it into a more sophisticated graphic representation before sending it on to your printer. The result is a totally transparent interface which quickly generates high quality text in a variety of typestyles. What's more, StyleWriter gives you an unparalleled degree of control over the text you print—whether it be individual characters or entire reports. Now you can control margins and even print double underlines and "inverse" characters with any word processor, text editor, DBMS, spreadsheet, or accounting program! No other product lets you be so expressive!

Ordinary print-control software is slow and confusing to use: first, you must save your document, then load the print software, reload your word processing program, recall your document, and finally, set the fonts before printing. Then you wait because ordinary software ties up your computer for prolonged periods of time while the documents are printing. StyleWriter eliminates these problems by providing up to 128K of print buffer so it can hold and process up to 85 average pages of text while you get back to work.

StyleWriter comes with three typestyles, and additional styles can be added simply by inserting them into the unit and selecting them from the keyboard. The following are some of the typestyles available:

- |                             |                         |
|-----------------------------|-------------------------|
| ROMAN (8-14pt)              | CENTURY ITALIC (8-12pt) |
| ROMAN BOLD (8-14pt)         | ELAN (10-14pt)          |
| ROMAN ITALIC (8-14pt)       | OLDE ENGLISH (10-16pt)  |
| SANS SERIF (8-12pt)         | INVITATION (18pt)       |
| SANS SERIF BOLD(8-12pt)     | COURIER (10pt)          |
| SANS SERIF ITALICS (8-12pt) | PRESTIGE (8pt)          |
| CENTURY (8-12pt)            | ITALICS (8-12pt)        |
| CENTURY BOLD (8-12pt)       | JAZZY (14pt)            |
|                             | GREEK (18pt)            |

The print quality is truly remarkable, and you can change from draft mode to letter quality and back again at the flip of a switch.

MEMBER PRICE ..... \$199.95

15 Day FREE Trial

(You Asked For It!)

# NEW

ΑΒΓΔΕΖΗ αβγδεζη

□●†#~∞¶§◎

κλδςγξζ η θ ρ 0123456789

~|\_|{|}()|||!@%&



TO USE STYLEWRITER ALL YOU NEED IS

- Standard dot matrix printer
- Centronics printer interface (parallel)
- Parallel cables
- ANY SOFTWARE!
- Any Computer

## COMMON QUESTIONS ABOUT THE STYLE WRITER

How does the stylewriter change your dot matrix printer? Stylewriter works by intercepting the ASCII coded text sent by any computer program and converting it into a more sophisticated graphic representation before sending it to your computer. The result is a totally transparent interface which quickly generates high quality text in a variety of styles type.

Stylewriter will work with the following Printers:  
EPSON FX COMPATIBLE

- Epson FX/RX/CXLX • TI Impact Printer • IBM PRC
- Okidata 100 (IF IBM Compatible) • CITOH 8510 SEP/ICEP
- All Panasonic • Citizans • Star 83/8D/8R • Canon 1188
- Radio Shack DMP2200/2100/430/130 • Legend • JUNG 6500 Series

EPSON MX COMPATIBLE

- Epson MX • Mannesman Tally • Legend

EPSON

- LQ 1500

OKIDATA COMPATIBLE

- Okidata 83 Series

CITOH COMPATIBLE

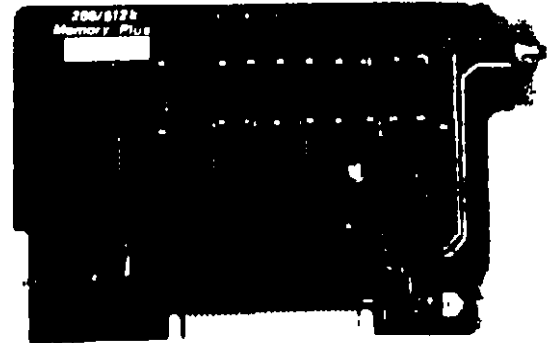
- CITOH 1550 and 1770

(Please give us printer name and model with orders)

# Anything's possible with Great Engineering.



**STAND ALONE**  
for use with the  
CorComp 9900 System  
And TI 34BX System



**EXPANSION CARD**  
for use in the  
TI Peripheral Box

## **CorComp 256/512K Memory Plus**

### **MEMORY PLUS FEATURES**

- **RAMdisk CAPABILITY** which can be selected as DSK 1, 2, 3, 4, 5, R.
- **SAVE AND RETRIEVE FILES** just as you would from a disk drive.
- **INTERNAL RAMdisk MANAGER** accessed through TI Basic and Extended Basic by CALL RMGR allows file copy, catalog, change name and format for both RAMdisk and all disk drives. **NO CARTRIDGE OR DISKETTE REQUIRED!**
- **UP TO 10 TIMES FASTER** than disk drive file accessing.
- **LIGHTNING LOAD SPEED** — TI Writer from disk takes 11 seconds, from RAMdisk it will take 1½ seconds!
- **STORAGE GALORE** — The 256K Memory Plus gives you 3 times more storage than a ss/sd drive. The 512K version will give you 2.8 times more storage on ds/sd drive and 35% more than ds/dd!
- **EXCELLENT FOR DISK INTENSIVE** programs such as data base storage and sorting.
- **EXTERNAL POWER SUPPLY** for retaining 256/512K memory when system is shut down.

**512-K-Card only \$239.95**

**512-K-Stand Alone \$249.95**

# 1-800-USA-99/4A

We now

NOTE: MASTER CARD AND VISA NOW ACCEPTED

accept

## ORDER FORM

American Express!

### 99/4A NATIONAL ASSISTANCE GROUP

P.O. Box 290812

Ft. Lauderdale, Florida 33329

(305) 962-8866



MASTER CARD

QUANTITY	MODEL #	DESCRIPTION	PRICE EACH	TOTAL

CHECK HERE FOR PREVIOUS NEWSLETTERS - ADD \$3.50 TO MY ORDER  
See Newsletter for Details

PLEASE INCLUDE FOLLOWING FOR POSTAGE, HANDLING AND INSURED DELIVERY:

ORDER AMOUNT	S & H Charge
Less than \$20.00	\$2.75
\$20.00 - \$38.99	3.75
\$40.00 - \$74.99	4.75
\$75.00 - \$149.99	5.75
\$150.00 - \$299.99	8.00
\$300 & up	10.00
\$400 & up	20.00

MERCHANDISE TOTAL

POSTAGE & SAFE DELIVERY

(Fla. Residents Only 5% SALES TAX

Canadian and International Orders

Add Additional \$4.00

TOTAL AMOUNT ENCLOSED

ADD \$10 IF NOT A MEMBER FOR ONE YEAR'S DUES

MASTER CARD

VISA

AMERICAN EXPRESS

#### TECHNICAL ASSISTANCE

Mon.-Thurs. — 10 am - 7 pm

Mon. eve. — 6 pm - 9 pm

Friday eve. — 11 pm - 1 am

#### Ordering Information

Tuesday-Thursday

1 pm - 4 pm

We Pay All

C.O.D. Charges

MEMBERSHIP # \_\_\_\_\_

NAME: \_\_\_\_\_

STREET: \_\_\_\_\_

CITY: \_\_\_\_\_

STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

PHONE \_\_\_\_\_

MASTER CARD/VISA # \_\_\_\_\_

EXPIRATION DATE \_\_\_\_\_

SIGNATURE \_\_\_\_\_

**IBM AND APPLE COMPATIBILITY IS HERE!**