

**MORE SOFTWARE REVIEWS!! NEW BBS!!  
TRS-80 HINTS -- MORE!!!  
\*\*\* STILL FREE!! \*\*\***

TRS-80 \* APPLE \* ATARI \* 6500 \* 6800 \* Z80 \* HEATH \* CP/M \* BASIC \* FORTRAN \* TRS-80 \* APPLE \* ATARI \* 6500 \* 6800 \* Z80 \* HEATH \* C

THE

**WACO**

POST

VOL. 1 NUM. 3

2/13/82

FREE!!

**CLUB CHARTER - NEW SIGS  
TOPICS AT JANUARY MEETING**

By Steve Gibson

The Club Charter was the topic at the January **WACO** meeting. Discussion was lively and much was accomplished. Among the charter provisions; \$6.00 annual dues (pro-rated for late comers), Special Interest Group (SIG) guidelines, and a governing group consisting of a President, Vice-President/Librarian, Newsletter Editor (Yours Truly), Secretary, Treasurer, and the SIG coordinators.

A few SIG's were started; and among them: a TRS80, APPLE, ATARI, and more (see elsewhere in this newsletter for tentative SIG's and their tentative Coordinators)! About 45 intrepid souls braved the sub-zero (-20 is pretty sub!!!) temperatures to gather in the downstairs meeting room of the

Schaumburg Public Library. The meeting lasted about 2 1/2 hours. It was decided that only paid-up members would be allowed to vote in the elections to be held at the February meeting (don't despair - you can pay your \$6 at the meeting!) And the election would be by a show of hands...one more decision - the first term of office would be for 6 months (in case someone turns out to be a real bummer?). The new Club Charter will be available for your reading pleasure at the February meeting and we will be finishing it up before we vote.

Please come and join us at the next meeting - the more the merrier (Feb. 13th, 1:30pm Schaumburg Public Library)!!

**SEE BACK PAGE FOR FEBRUARY MEETING INFO**

**TELL OUR ADVERTISERS YOU SAW THEM HERE!**

THIS NEWSLETTER SPONSORED IN PART BY:

**MESSAGE '82 of CHICAGO, IL.  
(312) 622-4442 300 Baud**

Jim Dunne : NON-RESIDENT TECHNICIAN  
George Matyaszek: OWNER AND SYSTEM OPERATOR

**YOUR MESSAGES COME FIRST WITH US**

EXPERIENCE ONE OF CHICAGO'S FINEST COMPUTER BULLETIN BOARDS!  
ALL TYPES OF TERMINAL USERS ARE WELCOME!

IN OPERATION SINCE JUNE 7, 1981  
EXCEPT FOR DAILY MAINTENANCE, WE ARE UP 24 HR/DAY, 7 DAYS/WK

**MEMBERSHIP APPLICATION INSIDE**

## HARD COPY

STEVE GIBSON

### Computer Stores...

Have you noticed what I've noticed about computer stores? Too many stores are hiring people who don't know a thing about computers. That's like hiring someone to sell cars who rides a horse to work, or paying a bald-headed man to sell hairbrushes. Oh, don't get me wrong - these salespeople are nice enough, but how can you store owners trust your return business to someone who can't guarantee a happily satisfied customer is walking out your store door?

Many stores are suffering from Franchise-itis - that heart-rending malady that struck down so many Bowling Alleys in the 50's and PEE-WEE Golf Courses in the 60's. Franchise-itis is a common disease that bears a striking resemblance to the symptoms shown by the novice computer owner - loss of money, lots of new equipment, plenty of bells and whistles, no lack of intelligence, but a genuine lack of purpose...

"Now that I've got it; What do I do with it?" A computer store is different from most High-Technology stores. The Home Computer is not like your "ONE-TOUCH TUNING" TV set. No, it's not like your automatic turntable or even your remote control VCR. No, the Home Computer is more like that puppy you bought in a fit of selflessness last Christmas. Your Computer needs alot of input from you in order for it to be able to serve you. You've got to teach it to pay attention, heel, and when you get the hang of it, you can teach it some more esoteric tricks your pooch will never learn ("Fido, fetch me my 1981 Income Tax records - Good Boy!")...But without the right input, messing the carpet would be a relief. The Home Computer without a knowledgeable owner is headed for trouble. "What'll it do?"

"Well...It plays a mean game of Backgammon..."

"Yeah, but can't it simulate predicted business growth, or store family tree records?"

"Oh sure, but I tried those programs and their directions don't make sense to me so I'm using my APPLE II as a \$2000 Atari game..."

Lack of training turns to frustration; frustration turns to anger; and anger turns to lost sales. Still reading, store owners? This writer thinks that what you need to do is:

1. Size up the customer - don't sell the Hulk a VW Rabbit

2. Design an expandable system that a customer can roll into (Don't worry, he'll be back - he trusts you now)

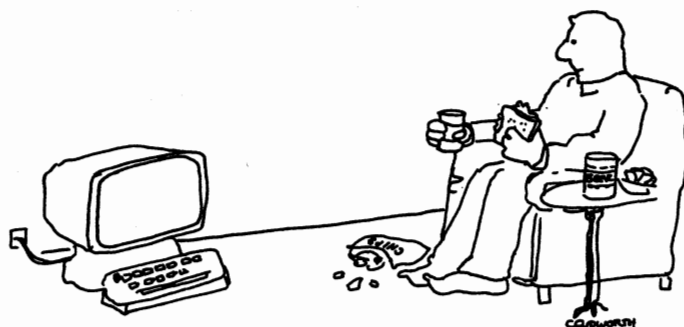
3. Follow-up - call him back and get his questions answered before he starts to think you dumped on him

4. Don't be afraid to tell him you don't have a system that's right for him. He came into your store for some reason and I'll bet that he'll be back when he needs something you do carry.

These points are not applicable to all stores but I think most of you get the point. As for your salesmen, why not pay to have them trained? Get a trained Visicalc specialist, or a business specialist, or how about someone who knows BASIC inside-out? It doesn't take much, but think of the rewards -

## WRITERS NEEDED!!

WACO needs software reviews, hardware reviews, software listings, general interest articles - etc.!! Please send all materials to: WACO C/O STEVE GIBSON 723 SUNFISH PT., SCHAUMBURG, IL. 60194. ENCLOSE A SASE IF YOU WANT YOUR MATERIALS RETURNED.



## THE COMPUTER CHALLENGE: A REVOLUTION IN CLASSROOM AND HOME

The Computer Challenge: A Revolution in Classroom and Home sponsored by Computer Town Barrington in cooperation with Project Micro-Ideas, the Institute for Educational Research, NIAUG (Northern Illinois Apple Users Group) and Barrington AAUW.

The computer conference is a volunteer effort to be held Saturday, March 13, 1982 at the Barrington High School, 616 West Main Street, Barrington, Illinois.

Choose from over 40 speakers and demonstrations. The keynote speaker is LeRoy Finkel, an 18-year classroom veteran and co-author of six books including "BASIC for Home Computers". the conference will emphasize educational topics and home-use subjects. information about hardware, software, and services will be brought together with an exciting array of commercial and practical demonstration of computer uses in school and home.

Registration fee (including lunch) is \$15. For additional information, phone (312) 658-4710. please make checks payable to: Computer Town Barrington, Inc. Mail registration to: Computer Town Barrington, Inc., 322 West Lake Street, Barrington, IL. 60010. Deadline March 5th.

**CLUB CORNER**

(Club Secretaries: Send your news, names, and numbers to -  
CLUB CORNER  
%Steve Gibson  
723 Sunfish Pt.  
Schaumburg, IL 60194)

**ATARI**

CHICAGO ATARI USER GROUP.  
1 NORTH WACKER, ROOM 214. CALL LARRY HITZ AT 727-4206  
(WEEKDAYS) AND 789-0878 (WEEKENDS).

**CACHE**

CHICAGO AREA COMPUTER HOBBYIST EXCHANGE  
SPECIAL INTEREST GROUPS FOR: PET, TRS-80, INTERACT,  
PASCAL, LSI-11, 68XX, BALLY, FORTH, NORTHSTAR, APPLE,  
CPM/COMM -- MEET 3RD SUNDAY EACH MONTH AT 3300 N. CAMPBELL  
(DEVRY TECH), AT 11:00 A.M. CALL 849-1132.

**CHICATRUG**

CHICAGO TRS-80 USERS GROUP  
MEET 3RD WEDNESDAY EACH MONTH AT 203 N. WABASH, RM 110, AT  
6:00 P.M. CALL 782-9750.

**COUNTY OF LAKE APPLE CLUB**

MEET 3RD THURSDAY OF EACH MONTH AT MUNDELIEN LIBRARY,  
MUNDELIEN, 470 NORTH LAKE ST. AT 6:30 P.M.  
CALL STEVE AT 367-5015.

**DAUG**

DUPAGE APPLE USER GROUP  
MEET 2ND TUESDAY OF EACH MONTH AT LINCOLN CENTER IN DOWNERS  
GROVE.  
MODEM 789-0499.

**NIAUG**

NORTHERN ILLINOIS APPLE USERS GROUP  
MEET 1ST SATURDAY OF EACH MONTH AT HARPER COLLEGE, BUILDING  
E, ROOM 106.  
CALL DAVE AT 295-6078 OR 295-6926 (MODEM).

**NICOL**

Northern Illinois Computer Owners League (A TRS-80 Club)  
Next meeting at Our Redeemers Church, 1600 W. Schaumburg  
Rd., Schaumburg.  
For info call Paul Zaura at 858-1648  
**SOUTH SUBURBAN TRS-80 USER GROUP**  
MEET 3RD SATURDAY OF EACH MONTH AT LANSING CHATEAU  
APARTMENTS CLUBHOUSE, LANSING.  
CALL BILL AT 841-5453.

**WACO**

Woodfield Area Computerist Organization  
Next meeting February 13th Schaumburg Library  
All computer users WELCOME!  
Call 843-7852 (Recorder) 24 hrs/day for more info.

**THE WACO POST**

\*\*\*\*\*

VOL 1 NUMBER 3

FEBRUARY 1982

PUBLISHED MONTHLY BY THE  
WOODFIELD AREA COMPUTERIST ORGANIZATION  
REPRODUCTION IS PERMITTED WITH THIS BYLINE:  
"REPRINTED FROM THE WACO POST"

ALL MANUSCRIPTS LETTERS AND ARTWORK SHOULD BE ACCOMPANIED  
WITH A S.A.S.E IF YOU WOULD LIKE IT RETURNED. READER  
SUBMISSIONS ARE SOLICITED AND CHANCES ARE GOOD YOU WILL BE  
PUBLISHED. NO PAYMENT IS OFFERED OTHER THAN THE GLORY(?) OF  
BEING PUBLISHED.

SEND ALL CORRESPONDENCE TO:

**EDITOR**

THE WACO POST

%STEVE GIBSON  
723 SUNFISH PT.  
SCHAUMBURG, IL 60194

**XEROX 820**

COMPLETE ===== \$2795

**TRS-80 MODEL III**

W/ 48K AND DUAL DRIVES ===== \$1795

**PRINTERS**

=====

EPSON, IDS, OKI, GE, C.ITOH

**MEMOREX DISKETTES**

=====

5 1/4" \$22.95/BOX OF 10  
8" \$27.95/BOX OF 10

XEROX® and 820 are trademarks of XEROX CORPORATION.  
CP/M® is a registered trademark of Digital Research, Inc.

**CP/M SOFTWARE AVAILABLE!!**

**ICOM**  
11 N. MAIN  
LOMBARD, IL.

(312) 932-1766



SOFTWARE REVIEWS

#####

APPLE

-----

Title: DOS BOSS  
 Type: Utility  
 Distributed by: Beagle Bros.  
 Requirement: APPLE II w/Applesoft / 48k / DOS 3.2 or 3.3

DOS BOSS is an extremely easy to use, thoroughly documented APPLE utility package from Beagle Bros. That will customize your Disk system and truly personalize your personal com!

RENAME DOS COMMANDS

To make a change, simply run DOS BOSS, enter the original DOS command (say "CATALOG"), then your new command (say "CAT") and thats it! Now "CAT" will catalog your disks! Other changes are created with equal ease. For example:

REWRITE ERROR MESSAGES

"SYNTAX ERROR" can be renamed "CANNOT COMPUTE" or "TRY AGAIN"; "DISK FULL" can be renamed "(BURP)"; anything you want! And much more:

RUN PROGRAMS WITH ONE KEYSTROKE -

DOS BOSS completely simplifies APPLE program selection. Now you will see a single letter next to each file name in your catalogs. Pressing the one key will let you (RUN, BRUN, or EXEC) the chosen program for you automatically

CUSTOMIZE YOUR CATALOG

GROUP YOUR FILE TYPES -

When you catalog or catalog only the file types you want!

Replace apples unnecessary "DISK VOLUME" heading -

With anything you want with or without the volume number convert long catalogs to 2 or 4 columns so that every file name fits on the screen.

APPEND THESE CHANGES TO YOUR PROGRAM -

So that anyone using your disk (booted or not) will be using your customized DOS.

PLUS THE DOS BOSS' BOOK -

You don't need to be an APPLE expert just to read the instructions. The DOS BOSS book is an excellently written APPLE learning tool covering not only DOS BOSS, but a whole range of APPLE facts and features, too many to list here

DOS BOSS owner,  
 Greg Radzienta

XEROX 820

-----

Title: QSORT  
 Type: Sorting Utility  
 System: CP/M  
 Distributed by: Structured Systems  
 Requirements: 8" Disks/Xerox 820/CP/m

QSORT, distributed by Structured Systems is a very versatile sort/merge utility that can help speed up your high volume processing requirements. QSORT comes with 2 programs: QSORT and QPARM. Documentation is straight-forward and easy-to-follow.

Using QSORT is a breeze! Using QPARM, the user defines a sort parameter file that contains control information about his particular sort job. QPARM will build and log the file and when passed to QSORT will execute the sort job. Data can be sorted using 1 to 5 separate key fields; ascending/descending and alpha/numeric. QSORT will generate backup files, display statistical messages, and allow for diskette changes for large sorting operations. QSORT can handle an entire diskette of data and will sort random or sequential files.

Priced at about \$150, QSORT should prove to be a useful tool for any high volume record processing requirements you might have.

Geary Foltman

TRS-80

-----

Title: Lazywriter  
 Distributor: ABC Sales  
 Type: Word Processor  
 Requirements: Disk/32k/Printer (Optional)

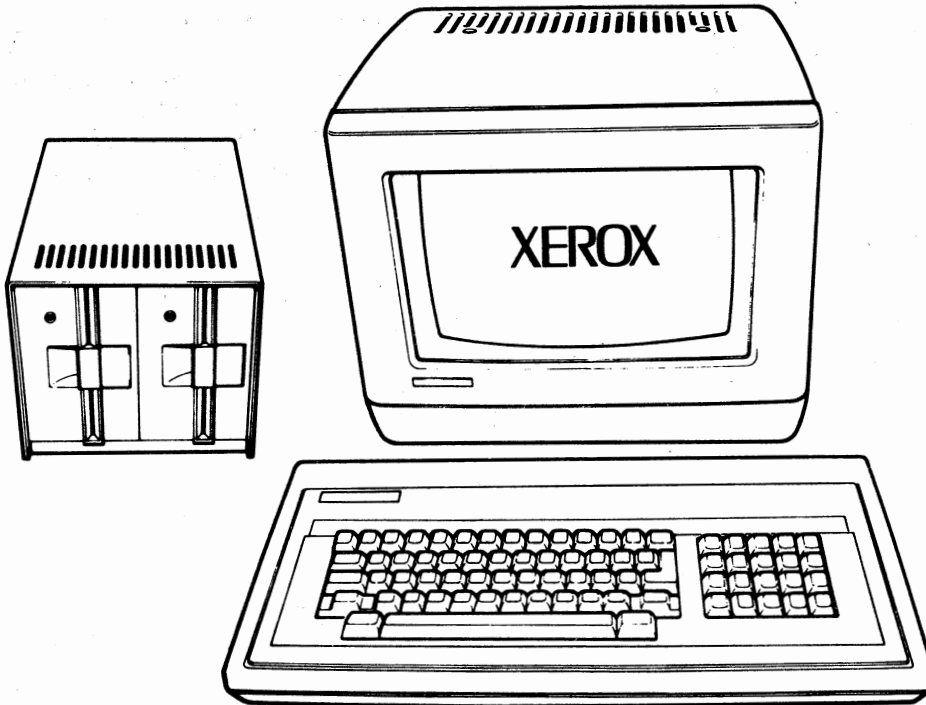
If you have been hunting around for a word processor that will give you access to all those neat tricks you have built into your printer, or a word processor that is easy to learn, or just a word processor that is well-documented - Lazywriter is just what you need. Text entry and Editing is quick and painless. Any (...and I mean ANY!) File can be loaded into LZwriter and worked on. There are mailing list merging programs available, so you can even print form letters and, best of all, you can imbed control codes for your printer (I use an Epson) and create a professional looking document easily!! This package is not cheap - \$125 for the Model I and \$175 for the Model III, but it is worth every penny!!

WACO SIGS

APPLE	KIRK BENSON	773-0265
ATARI	BOB SCHURICHT	882-1440
	NIGHTS	894-4334
CP/M	JAY JAECKEL	949-1115
1802	BILL RICHARDSON	530-1571
ROBOTICS	" "	530-1571
HOMEBREW	GARY KAATZ	885-7713
BUSINESS/INVESTMENT		
	RON GUZIK	894-6727
TRS-80	BOB BROWN	398-6007
MAINFRAME	GEORGE MATYASZEK	
		622-5969

ALL SIGS AND COORDINATORS ARE TENTATIVE PENDING VOTING AT THE FEBRUARY MEETING. FOR MORE INFORMATION PHONE THE SIG COORDINATOR OR SHOW UP AT THE FEBRUARY MEETING.

# The Xerox 820 Information Processor



midwest microcomputers, inc.

708 S. Main Street/Lombard, Illinois 60148/(312) 495-9889

## BYTE BY BYTE

by Mark Schaub

In the last column, I presented some common assembler directives. Of course, there are many more depending on what kind of assembler you have. Although I only use the Z-80 set of instructions, you may be able to translate them to your type of computer. In this article I'll present some common ROM routines that are used in the TRS-80 computer.

The subroutine at 0049H is for inputting a character. It scans the keyboard and waits for a key to be pressed. The ASCII representation of that key is returned in register A. The routine itself uses registers AF and DE. you can get only one character at a time.

The subroutine at 0033H displays whatever character is in the A register on the screen. Before calling this routine, you must put the character into register A. This routine uses registers AF, DE, and IV.

To use a subroutine in ASSEMBLY language, you just CALL that routine. At the end of the subroutine you must have a RET statement. The following program is a short demonstration of the two routines described.

```

100      ORG      8000H      ;start of program
150 MARK  CALL    01C9H      ;clear screen
200 SHOW  CALL    0049H      ;get a character
300      CALL    0033H      ;display it
400      JP      SHOW      ;keep doing it
500      END      MARK      ;end the program

```

If you have a TRS-80 and an EDITOR/ASSEMBLER you can type this program in and run it just like it is. Line 150

### Components

**DISPLAY/PROCESSOR** — The 24 line/80 character display quality exceeds industry standards for desktop computers. Easy viewing is enhanced by an adjustable brightness and high-quality flicker-free screen. The display unit also contains the processor for the system, which is softloaded and uses a Z80® based microprocessor with 64K RAM memory and 4K ROM. Four ports are standard (dual serial ports and dual parallel ports) which allow you to connect the printer, communications and other devices.

**KEYBOARD** — The Xerox 820 uses a standard 96 character keyboard. Additional function keys are conveniently located to the right of the keyboard for cursor control (providing easy access to any point on the screen) and editing functions. A 10-key pad is included for convenience and speed in typing statistical documents.

**DISC DRIVES** — You can utilize two 5¼" single-sided disc drives that let you store approximately 40 pages. For increased capacity, you may configure the system with optional 8" single-sided discs that increase storage up to 130 pages of typed material. The disc drives are connected via a cable to the processor, allowing for easy placement on a desk top.

**PRINTER (OPTIONAL)** — The 820 features a 40 cps daisywheel printer that produces high quality copy with bi-directional printing in either 10 or 12 pitch. This is ideal for quick turnaround of documents.

**COMPATIBILITY** — Upward compatibility with 860 Information Processing Systems is offered on text created on the 820 with 8" disc drives through a separate software package offered on the 860. In addition, the 820 is an investment that will fit into your long-range plans, since Ethernet compatibility is available through the 872/873 Communication Server using Teletype communications mode on the 820.

is a CALL to a subroutine that clears the screen. To stop this program you must press the reset button.

You can avoid pressing the RESET button by adding the following lines of code. Just watch the line numbers to determine where to put these lines.

```

210      CP      'Q'      ;compare to a Q
220      JP      Z,402DH    ;return to DOS

```

The lines shown above test for an 'Q'. If you press 'Q' you will get an immediate return to DOS. For those of you using TAPE, change the number 402DH to 1A19H to go back to BASIC.

These routines are fairly simple to use in your programs. In the future, I'll have much more complex routines to show you, but right now I'm just establishing a background to work from.

To become proficient at machine level programming, you should have some tools to work with. Some of the books and software I use are:

- MICROSOFT EDITOR/ASSEMBLER PLUS
- DEBUG and ZBUG
- SUPERMAP by Roger Fuller
- TRS80 ASSEMBLY LANGUAGE PROGRAMMING by Hubert Howe

Once you get the hang of machine language programming, it becomes really easy. If you have any suggestions or questions please send a letter to me, C/O this newsletter.

-Mark-

## A Method To Eliminate BASIC LIST Problems

By Terry B. Deatherage

Have you ever wanted to have your BASIC programs printed with top and bottom margins, with headers and page numbers, and with a left margin that would allow space for a three-ring binder holes? Well if you do, there is a way to do this using SCRIPSIT and that BASIC can write programs to disk in an ASCII format.

First create, using SCRIPSIT, the Format, Headers, and Page Numbering as you would with a normal document. However, do not have any text. Then save the SCRIPSIT file by using BREAK, SBASICPGM/SCP:d, and ENTER. The file extension "SCP" will let you know that all the BASICPGM contains are the SCRIPSIT commands without any text.

Secondly load, using BASIC, the actual program that you want to print as a formatted printout. Then just resave the actual program in ASCII mode by--SAVE "BASICPGM/BAS:d", A and ENTER.

Thirdly load, using SCRIPSIT again, the file you created in the first step. BREAK, LBASICPGM/SCP:d, and ENTER.

Fourthly load, while still in SCRIPSIT, the program that you saved in the second step by using BREAK, L,C BASICPGM/BAS:d, and ENTER. This will add your BASIC program to the SCRIPSIT file as text.

Fifthly, while still in SCRIPSIT, you now have the SCRIPSIT format commands and the BASIC program combined as one SCRIPSIT file. So save this file by using BREAK, SBASICPGM/FMT:d, and ENTER.

Lastly, you can now print as many formatted printouts as you need using SCRIPSIT and the file you created in the fifth step.

## BBS of the month

At the last WACO meeting I off-handedly mentioned the fact that I felt I had been "ripped-off" to the tune of \$12 by a BBS called "Starcom" in Schaumburg. Well this week I got my \$12 check back - and more...a password to be specific. A password to a new BBS in Schaumburg called NET-WORKS. I believe it is a reincarnation of STARCOM, but this time it's FREE.

To quote from message #1 on the System (from the SYSOP, Bob Ferguson), "The NET-WORKS Chicago System is being re-activated. The System is going to be a closed-type System, with access by password only. This should keep the System clear of unwanted types. And it should help in keeping the System crashers down...One of the features of the System will be schedules for Spectrum, ON-TV and Showtime..."

Messages are sent/received in an electronic mail format with your "Box" checked when you sign on for mail. At the time I called, the schedules for Showtime and ON-TV were not

available, but the Spectrum schedule was. There are also programs for the TRS-80, Apple and PET available for downloading (though only an Apple Floating-Point program for Auto-log on was available when I called).

A section I didn't peruse was titled, "Programming tips for APPLE users" and there is a list of Apple BBS's.

In order to receive your free password send your name, address, city, state, zip, and phone number (that NET-WORKS can verify) to:

NET-WORKS CHICAGO  
P.O. box 94881  
Schaumburg, IL. 60194-0881

...or use the <G>-option and leave the above information. Bob Ferguson, the SYSOP, has decided to limit the number of passwords to 100 so send for your password soon.

The NET-WORKS computer system consists of the following:

APPLE II+ 64K  
3 Disk II Drives  
D. C. Hayes Micromodem  
Mt. Hardware clock  
Epson MX80 printer

System hours were not listed but I tried at 2 A.M. and got a busy signal so I don't think NET-WORKS is 24 hours.

The number is (312) 882-9237 and I run 300 baud. Call NET-WORKS today and let them know you read about 'em here.

## FREE WANT-ADS!!

FOR SALE: ATARI GAME SYSTEM - HAS ELEVEN (11) GAMES; SPACE INVADERS, BACKGAMMON, ADVENTURE, ETC. ASKING \$250 FOR ALL-IT'S JUST LIKE GETTING THE GAME COMPUTER FOR FREE - CALL BOB AT 894-4334 NIGHTS AND WEEKENDS.

FOR SALE: ONE HUH S100 ADAPTOR FOR THE TRS-80. THIS IS THE VERSION WITH 4 SLOTS. REGULAR KIT PRICE \$115 WITH ONE S100 CONNECTOR. FOR SALE FOR \$95 WITH 4 CONNECTORS (2 ARE INSTALLED). THIS WAS WORKING ON MY SYSTEM FOR 6 MONTHS, THEN I NEEDED TO UPGRADE TO MORE S100 SLOTS, SO I GOT THE PLUG-IN MODEL. CAREY TYLER SCHUG 743-8117 EVE. 923-3257 DAYS.

FOR SALE: Radio Shack's orig. Quickprinter, cable and 2+ rolls of aluminized paper. 478-0623 Mark Wehnhoefer call before 10pm any day.

Free want-ads! Send your ad to:  
WACO POST

C/O Steve Gibson  
723 Sunfish Pt.  
Schaumburg, Il. 60194

...we reserve the right to limit the length and content of your ad. These ads are for private parties ONLY! Commercial advertisers see elsewhere in this newsletter for rates or call 843-7852 and leave your name and number.



**OFFICER NOMINEES**

At the January meeting, the following persons were nominated for office:

President  
Steve Gibson  
Art Kahn

Vice-President/Librarian  
Art Kahn

Newsletter Editor  
Steve Gibson

Secretary  
Ward Newcomb

Treasurer  
Rob Borg  
Kirk Benson  
Bill Richardson

...see the SIG list elsewhere in the newsletter for the SIG coordinators nominated. Only paid-up members will be allowed to vote, however you can pay your dues the day of the meeting (\$6). Nominations will be accepted for all of the above at the February meeting, also.

**WABASH MINI-MYTE**

CERTIFIED FLOPPY DISKETTES

WITH - 2 YEAR PERFORMANCE WARRANTY,  
HUB RINGS, WRITE PROTECT STICKERS,  
LABELS AND JACKETS

NO NEED TO SPEND MORE -  
THIS ONE RATES WITH THE BEST!

5 1/4" SOFT SECTORED DISKETTES -  
SHRINK WRAPPED BOX OF 10 - \$22.95  
10 BOXES OR MORE - \$21.95/BX

ADD \$1.75 S&H ILL RES. ADD 6%  
SEND CERTIFIED CHECK OR M.O.  
PERSONAL CHECKS ALLOW 2 WEEKS  
C.O.D. REQUIRES CASH OR CERTIFIED CHECK ONLY

SEND TO:  
**COM-PUTE SERVICES**  
DEPT. WP  
P.O. BOX 131  
PARK RIDGE, IL. 60068

OR CALL: (312) 823-7575

THE WACO POST IS DISTRIBUTED AT:

<b>DATA DOMAIN (SCHAUMBURG)</b>	(397-8700)
OAK BROOK COMPUTER CENTRE - OAK BROOK	(941-9005)
MIDWEST MICROCOMPUTERS - LOMBARD	(495-9889)
ICOM - LOMBARD	(932-1766)
HEATHKIT ELECTRONIC CENTER - DOWNERS GROVE	(852-1304)
DIGITAL DEN - WOODFIELD MALL	(884-8520)
COMPUSHOP - ROLLING MEADOWS	
MORTON GROVE	(967-0450)
EBG & ASSOCIATES - CHICAGO	(782-9750)
DIGITAL EQUIPMENT CORP. - SCHAUMBURG	(843-7857)
COMPUTERLAND - SCHAUMBURG	(843-7740)
NILES	(967-1714)
NORTHBROOK	
ARLINGTON HEIGHTS	(870-7500)
DOWNERS GROVE	(964-7762)
RADIO SHACK - WOODFIELD MALL	(882-3075)
HANDOVER PARK	(837-3313)
HILLSIDE	(449-1030)
NILES	

THANK-YOU FOR YOUR HELP!! IF YOU WOULD LIKE TO JOIN THIS GROWING LIST AND DISTRIBUTE THE WACO POST \$ FREE \$ CALL: 843-7852 (RECORDER).

**BBS BUS**

COMPUTER BULLETIN BOARD SYSTEMS

ABBS ARLINGTON HTS	255-6489
ABBS GAMEMASTER (CHI.)	475-4884
ABBS NAPERVILLE	420-7995
ABBS ROGERS PARK	973-2227
ABBS AIMS (HINSDALE)	789-0499
CBBS (NIAUG) LAKE FOREST	295-6926
CBBS (WARD & RANDY'S)	545-8086
CBBS (HUG)	671-4992
CCCC (CP/M) LAKE FOREST	234-9257
CRT SLOBB (CHI.)	373-8057
C80 (ROUND LAKE)	780-9128
ELEC. EXCH. WHEELING	541-6470
MAUDE MILWAUKEE (CHI#)	876-0974
MESSAGE-82 TRS80 (CHI.)	622-4442
NET-WORKS (SCHAUMBURG)	882-9237
PBBS (PALATINE)	359-9450
RBBS (NIGHTS ONLY!)	852-1305

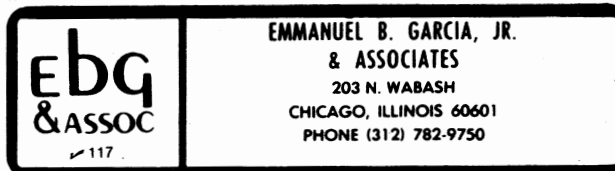
**SYSOPS!** - SEND NEWS AND NUMBERS TO:  
**BBS BUS**  
%STEVE GIBSON  
723 SUNFISH PT.  
SCHAUMBURG, IL. 60194

COMMERCIAL AD RATES:

FULL PAGE	(8.5 X 11)	\$60.00
1/2 PAGE	(4 X 11)	\$35.00
1/4 PAGE	(4 X 5)	\$20.00
1/8 PAGE	(4 X 2.5)	\$10.00

ALL RATES FOR SINGLE ISSUE...  
WE'LL EVEN MAKE UP YOUR COPY!!  
CALL 843-7852 TO PLACE ORDER OR ASK ABOUT MULTI-ISSUE DISCOUNTS  
**SPECIAL** - HAVE YOUR SINGLE PAGE 8 1/2 X 11" AD INSERTED IN 100 COPIES OF THE WACO POST WHICH WILL BE PRINTED AND DELIVERED TO YOU - ALL FOR 12.00!!

The low priced general purpose  
line printer has arrived.  
**C-ITOH Comet I \$319.00**



Corvus Systems  
MPI  
Epson  
C-Itoh  
Novation  
Percom  
Level IV  
Alpha Products  
Integral Data Systems

SBSG  
Apparat  
Acorn  
Adventure Int'l  
Med Systems  
Galactic Software  
Q. S. D.  
Big Five  
Instant Software

Chicago's leading supplier of products and software for the Radio Shack computer line. We service modified machines and will provide custom configurations for Mod I or III.

Sponsors of:

---

**CHICATRUG NEWS and TRS-80 USER'S GROUP**

---

**WACO  
FEBRUARY MEETING**  
SATURDAY FEBRUARY 13th

=====

SCHAUMBURG PUBLIC LIBRARY  
1:30 PM

-----

**DIRECTIONS:**

FROM RT. 53 (WOODFIELD SHOPPING CENTER) TAKE HIGGINS RD. (RT. 72) WEST ABOUT 2 1/2 MILES TO ROSELLE RD. TURN LEFT (SOUTH) AND GO ABOUT 1 - 1 1/2 MILES UNTIL YOU SEE THE "SCHAUMBURG BOWL" ON YOUR LEFT. TURN RIGHT ONTO LIBRARY LN. (WEST) AND THE LIBRARY IS ONE BLOCK UP ON YOUR RIGHT.

IF YOU HAVE FURTHER QUESTIONS  
CALL ME - 843-7852

=====

THE WACO POST  
%STEVE GIBSON  
723 SUNFISH PT.  
SCHAUMBURG, IL 60194

**Steve Gibson**  
SMALL BUSINESS COMPUTER SYSTEMS CONSULTANT

PUT YOUR TRS-80 MODEL I/III to WORK!!

CUSTOM PROGRAMS            PROGRAMS MODIFIED  
SYSTEMS DESIGNED AND IMPLEMENTED

PROFESSIONALS ON FILE FOR MOST OTHER  
MICROCOMPUTERS

REASONABLE RATES - FLAT FEE OR CONTRACT  
FOR MORE INFORMATION CALL OR WRITE:

**Steve Gibson**  
723 Sunfish Point  
Schaumburg, IL 60194

RETURN REQUESTED

FIRST CLASS MAIL

TO: