BASIC-ly speaking...

Each month this column will present a BASIC program that has been submitted by a reader. We will try to vary the types of routines printed, giving equal space to GAMES, REAL-TIME CONTROL, SERVICE PROGRAMS, GRAPHING, and STATISTICS/BUSINESS applications. To submit your program, send a TYPEWRITTEN LISTING with a brief but complete description to: MICRO WORLD. The programs will become the property of MICRO WORLD for possible distribution at cost in a BASIC USERS GROUP.

BCD INPUT TO BINARY CONVERSION   submitted by STAFF

....I wanted to input my digital clock (HH:MM) to the computer via the parallel input port, but the data was in BCD format. This routine converts it into the decimal representation that BASIC can understand. The concept works for 8 bits too.

```
100   REM   DATA INPUT TO D5, D6 IS A TEMP VARIABLE
110   LET   D4 = INT(D5/4096)
120   LET   D6 = D5-D4*4096
130   LET   D3 = INT(D6/256)
140   LET   D2 = D6-D3*256
150   LET   D2 = INT(D2/16)
160   LET   D1 = D6-D3*256-D2*16
170   LET   D0 = D4*1000+D3*100+D2*10+D1
```

23:59 hours in binary coded dec. 0010 0011 0101 1001 is read into BASIC as 9049. This routine uses division by powers of 16 (4 binary bits) to do the conversion. Similar routines can be used to convert other bases. (D0 is the output.)

MICRO WORLD has been written and published by Wayne Kashinsky with the assistance of our able staff members.

MICRO WORLD will be published monthly beginning in October this year. To Submit articles, programs or comments, write:

MICRO WORLD
Box 1004
New Brunswick, N.J. 08903

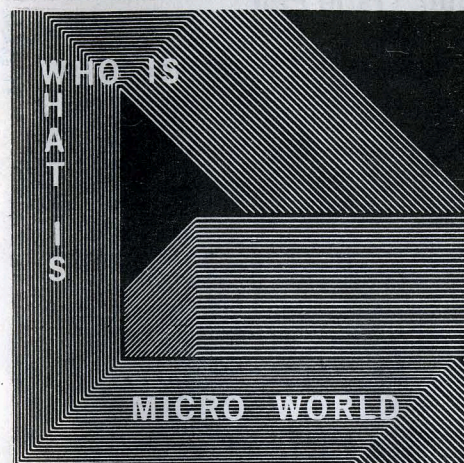we assume no responsibility for mistakes or errors in the news and ad copy printed.

Please excuse our lack of news and articles in this pre-issue for the personal computing show.

WHO IS
WHAT IS
MICRO WORLD

This is the intorductory issue of what we hope will be the newest and most complete newsletter for, by, and about computer hobbyists on the East Coast.

Each issue will have news briefs on developments in microprocessors and peripheral equipment, information on the openings of new computer stores, and club notices. There will be a special section of inexpensive classified listings for buying, selling and swapping of computer-related equipment.

BASIC-ly Speaking will present BASIC programs submitted by our readers. The feature articles will include technical notes, construction hints, and reader-contributed articles.

Our expansion depends completely upon reader response. A subscription card is enclosed in this issue for your convenience.

NEW COMPUTER STORE IN PHILA

A new computer store in Philadelphia, Lectro-Media Limited will be opening its doors in early September as downtown Philadelphia's newest computer store. Loctated in NEW MARKET near Second and Pine in the Society Hill section, the store will specialize in MOS TECHNOLOGY'S KIM (6502) based hardware/software systems, Altair compatible modules, and Video display devices. They will carry a complete line of calculators, including card programable and printing types and will offer the latest video games.

NEED TELETYPE PARTS?

TCS, located in Berkeley Heights, New Jersey specializes in sales, service, reconditioning and support of TELETYPES. Later this year they will introduce a unique program to help readers with broken machines by sending them a special outline drawing of their machine. You mark the trouble area and describe the problem, they send a photocopy of the appropriate page from the manual. Now you compare the parts, locate the bad ones and they send them by mail, all within a few days.
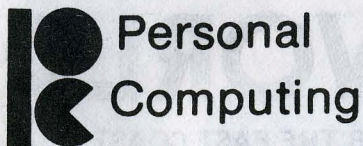
MOS 6502 BASED SYSTEMS

The MOS 6502 appears to be coming along. Apple Computer Company has just released their complete assembled system that is expandable to

club news... groups...

Personal Computing

ATLANTIC CITY
AUGUST 28 and 29 1976

76 Consumer Trade Fair

ACGNJ....meeting, SEPT 17, Somerset County Voc/Tech. H.S., Somerville, N.J.

KIM 1....users group forming, send for info and newsletter: ERIC REHNKE, Apt. #207, 7656 Broadview Road, PARMA, OH. 44134

....
....these notes are provided free for clubs and user groups in the local area. Send information at least 4 weeks in advance to: MICRO WORLD
....

classified listings

CLASSIFIED ADS will be seperated into HARDWARE and SOFTWARE sections. AD rates are computed by the number of CHARACTERS including spaces. NON-COMM. rates are $1\frac{1}{2}$ ¢ per character and COMMERCIAL rates are 4¢ per character. Typewritten copy only. All ads will be printed one-half this size............
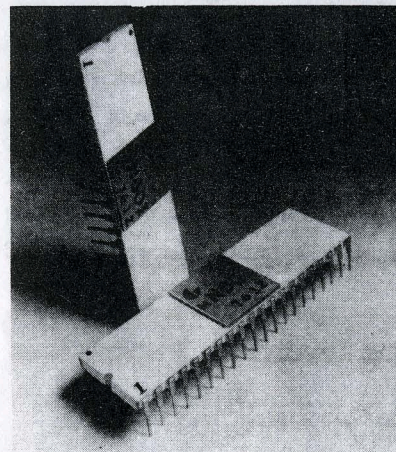
PICTURES OR GRAPHICS on page rates only
....

chips (16 BIT)

16 BITS WITH HARDWARE MULTIPLY AND DIVIDE. SOFTWARE SUPPORT

DATA GENERAL has released its 16 bit NOVA minicomputer on a single chip. It features complete architecture and NOVA software support. Called the mN601, it is a full 16 bit system with 32k memory address capacity and includes hardware MULTIPLY/DIVIDE (16 bit), a stack and real-time clock. The chip operates at 960nsec and contains refresh logic for dynamic memory. They also have seven support chips including the mN606 a 4k RAM, mN603 intelligent I/O controller, and system buffer IC's which can be used to expand the   bus structure. For information: DATA GENERAL Corp., Rte. 9, Southboro, Ma. 01772. ✱

MOS 6502 BASED

continued

8K memory for $666. They supply BASIC free with the cassette interface. MOS themselves, has introduced EXPANDER boards for KIM 1. They include a mother board, 4K static and 8K static memory boards. ✱

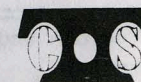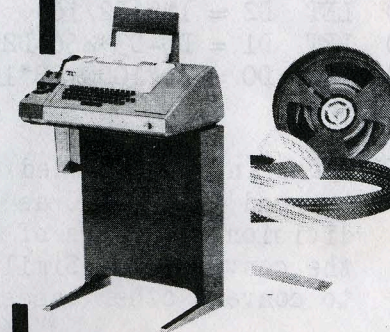# COMPUTER SURVEY FORM

I currently own:

COMPUTER _____

INTERFACES _____

MEMORY _____ **K RAM/** _____ **K ROM**

OUTPUT DEVICES _____

LANGUAGES _____

INTENDED EQUIPMENT _____

(   ) check if your name can **NOT** be given to local computer stores/companies for mailings

COMMENTS:

INTERESTS:

SUBSCRIPTION FORM

NAME _____

ADDRESS _____

CITY _____ STATE _____

ZIP _____ TELEPHONE ( ) _____

COMPANY _____ TITLE _____

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⭕ **enclosed is $5.00 for a 1 year subscription to MICRO WORLD. I understand that I may cancel my subscription at any time, by mail, and receive a refund of the unused portion of my $5.00.**

(100 characters in your first N.C. classified ad—free with subscription)