

VOL.
1

CYBORG GAZZETTE

'82
NOV.

1

ISSUE
2

A MONTHLY NEWSLETTER OF
OBVIOUS BIAS, PRIMARILY < BUT NOT
EXCLUSIVELY > DEVOTED TO THE
COMMODORE 64

PAGE

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CYBERTECH

BENN DUNNINGTON

AUBURN, WA. (206) 939-2274

SEARCH TERM: CYBERNETIC

WORLD BOOK

PAGE WBE-42099

CYBERNETICS, PRONOUNCED SY BUR
NET ICKS, IS A BRANCH OF SCIENCE
THAT DEALS WITH CONTROL
MECHANISMS AND THE TRANSMISSION
OF INFORMATION. ITS NAME COMES
FROM A GREEK WORD MEANING
STEERSMAN. THE WORD CYBERNETICS
WAS ADOPTED BY THE AMERICAN
MATHEMATICIAN NORBERT WIENER,
WHO WROTE CYBERNETICS (1948).
WIENER NOTED THAT THE MEANS FOR

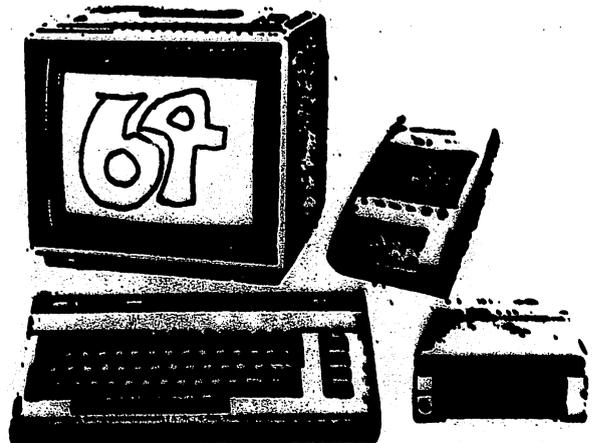
INTERNAL CONTROL AND COMMUNICATION IN AN
ANIMAL, SUCH AS ITS NERVOUS SYSTEM, WERE
SIMILAR TO THOSE IN A MACHINE. HE ALSO
REALIZED THAT BIOLOGISTS WHO STUDIED
ANIMALS, AND ENGINEERS WHO DESIGNED
AUTOMATIC CONTROL EQUIPMENT, DID NOT
USUALLY KNOW EACH OTHER'S FIELDS OF
WORK. HE PROPOSED THAT CONTROL AND
COMMUNICATION IN BOTH FIELDS BE STUDIED
TOGETHER AS THE SCIENCE OF CYBERNETICS.

AN IMPORTANT PART OF CYBERNETICS IS THE
STUDY OF FEEDBACK. IF THE PATH OF A
GUIDED MISSILE IS NOT WHAT IT IS
SUPPOSED TO BE, OR IF THE BODY
TEMPERATURE OF A PERSON IS TOO HIGH OR
TOO LOW, INFORMATION CONCERNING THE
ERROR IS FED BACK TO THE CONTROLLING
DEVICE, WHICH THEN ACTS TO CORRECT THE
ERROR.

SEE ALSO AUTOMATION (FEEDBACK);
COMPUTER; INFORMATION THEORY; WIENER,
NORBERT.

CONTENTS

- > APPLE LOADER UPDATE
- > REVIEW: TOTL SOFTWARE
- > REVIEW: MICRO-ED
- > COMPUTER PARTY EXPLAINED
- > SOFTWARE RUNDOWN
- > HARDWARE RUNDOWN
- > MANUAL UPDATE
- > ODDS AND ENDS



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HARDWARE RUNDOWN

MFCTR. AVAIL.

* **64** ----- 595.⁰⁰ COMMODORE NOW

[INCLUDES YOUR CHOICE OF ① TOTL
SOFTWARE SELECTION
OR DELUXE PROGRAMMER'S MANUL
(VALUES TO 35.⁰⁰) FREE]

1541-----395.00 COMMODORE NOW
[DISK-DRIVE]

1525-----395.00 COMMODORE NOW
[GRAPHICS PRINTER]

VICMODEM-----109.00 COMMODORE NOW
[NETWORKS/BULLETIN BOARDS]

DATASETTE-----75.00 COMMODORE NOW
[ECONOMY MASS STORAGE]

MT-160-----990.00 TALLY NOW
[CORR. QUALITY DOT-MATRIX PRINTER]

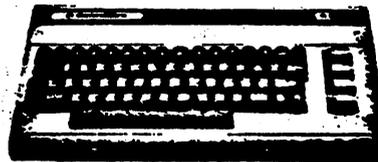
CARDETTE-----29.95 CARDCO NOW
[UNIVERSAL CASSETTER INTFC.]

CARD"?"-----79.95 CARDCO NOW
[UNIVERSAL PARALLELL PRINTER INTFC.]

CARDRITER-----29.95 CARDCO NOW
[LIGHTPEN W/SOFTWARE]

IEE INTERFACE --- 89⁰⁰ } COMPUTER { NOW
RS232 INTERFACE --- 49⁰⁰ } SPECIALTIES {
AMDEK MONITORS ... CALL ----- NOW

COMMODORE 64™
\$595.00



Memory:
• 64 K of RAM [39 FREE FOR BASIC]
[53 FREE FOR M.L.]

Features:

- Basic 2.0
- VIC Serial bus.
- 40 col. X 25 line screen display
- User supplied color monitor or TV
- Music synthesizer produces 3 independent voices, each with a range of 9 octaves
- 4 waveforms are available: saw-tooth, triangle, variable pulse and noise
- 4 programmable function keys
- Uses 6510 microprocessor
- Optional Z80 microprocessor to allow CP/M® compatibility
- 16 text colors
- 8 independently moveable sprites for "3-D graphics"
- Range of business software
- Optional IEEE-488 cartridge

(CP/M® is a registered trademark of Digital Research, Inc.)



VIC 1600 Vmodem
Telephone Interface cartridge

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SOFTWARE RUNDOWN

EASY FILE-----99.95 COMMODORE NOV.15
[DATABASE]

EASY SCRIPT-----99.95 COMMODORE NOV.15
[WORDPROCESSOR]

EDUCATIONAL
PACKAGE:-----250.00 COMMODORE NOV.15
[600 PRGRAMS
ON DISK]

PET EMULATOR-----29.95 COMMODORE NOV.15
[RUN PET SOFTWARE]

WORDNAME-----29.95 COMMODORE NOV.15
[SIMPLE W.P. AND
MAILING LIST]

MAILMATE-----49.95 COMMODORE NOV.15
[FULL-FEATURED
MAILING LIST]

EASYLESSON-----39.95 COMMODORE NOV.15
[CREATE TESTS
AND QUIZZES]

AVENGER-----39.95 COMMODORE NOV.15
[GAME CARTRIDGE]

JUPITER LANDER--29.94 COMMODORE NOV.15
[GAME CART.]

ROAD RACE-----29.95 COMMODORE NOV.15
[GAME CART.]

OMEGA RACE-----29.95 COMMODORE NOV.15
[GAME CART.]

EASY CALC.-----99.95 COMMODORE DEC. 1
[SPREADSHEET]

EASY PLOT -----79.95 COMMODORE DEC.
[CHARTS AND GRAPHS]

EASY SCHEDULE---79.95 COMMODORE DEC.
[TIME MANAGER]

EASY FINANCE----49.95 COMMODORE DEC.
[ANALYZE FINANCIAL OPPORTUNITIES]

TOTL.TEXT 2.6---35.00 TOTL NOW
[WORD PROCCESOR]

TOTL.TIME -----25.00 TOTL NOW
[TIME MANAGER]

TOTL.LABEL -----20.00 TOTL NOW
[MAILING LIST]

YOUR FILING SYSTEM J. O'HARA
SOBREMAILING-----49.00 BBORDBNS NOW
[MINI DBMS]

KTERM-----14.95 KATTWINKEL
[SMART TERMINAL KOMPETING NOW
W/EDITOR, DWNLOADING]

ALSO COMING, BUT I DON'T KNOW

WHEN OR HOW MUCH, ARE?

• EXTENDED GRAPHICS/MUSIC/SPRITE
CARTRIDGE

• PLUG-IN PIANO KEYBOARD w/SOFTWARE

• CPM CARTRIDGE

• MORE GAMES

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Product Preview

IN ADDITION TO THE FINE
PRODUCTS PICTURED HERE,
CARDCO IS WORKING ON THE
FOLLOWING: ↘

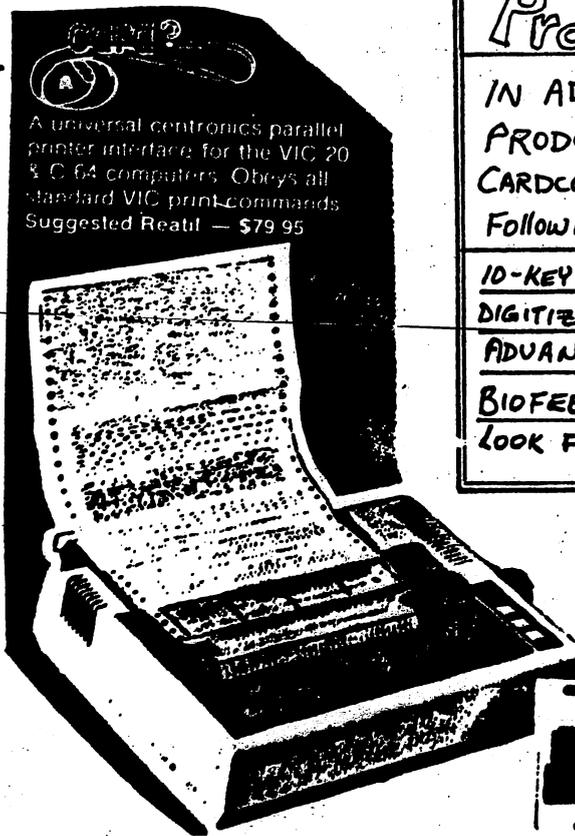
10-KEY PAD \$30.00

DIGITIZER TABLET \$50.00

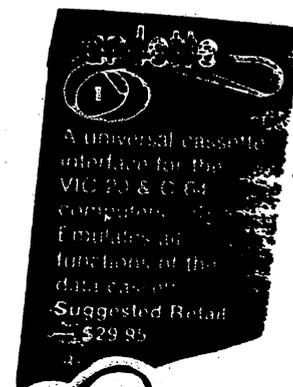
ADVANCED D.O.S. \$50.00

BIOFEEDBACK PERIPHERAL - N.A.

LOOK FOR THESE IN ABOUT 1 MONTH.



A universal centronics parallel
printer interface for the VIC 20
& C 64 computers. Obeys all
standard VIC print commands.
Suggested Retail - \$79.95



A universal cassette
interface for the
VIC 20 & C 64
computers.
Emulates all
functions of the
data cassette.
Suggested Retail
\$29.95

CARDCO IS ALSO WORKING
ON A PROJECT WITH
STAR MICRONICS TO
PROVIDE A ROM FOR
THEIR EPSON MX80-EQUIVALENT
PRINTER (AT 1525 PRICES)
THAT WILL ALLOW COMPLETE
GRAPHICS CHARACTER SET.



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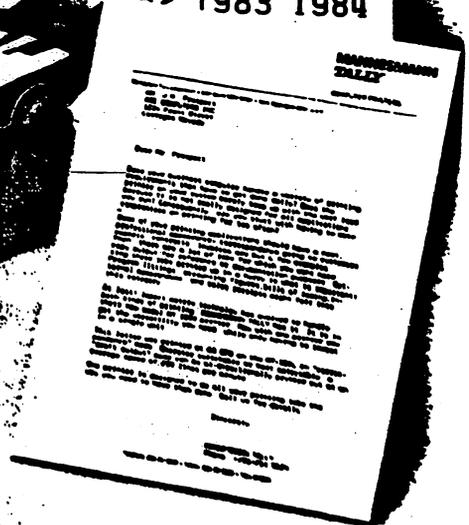
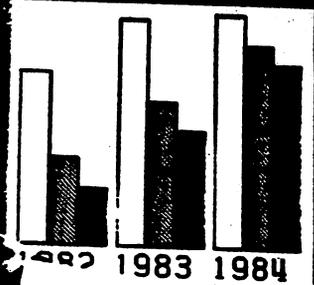
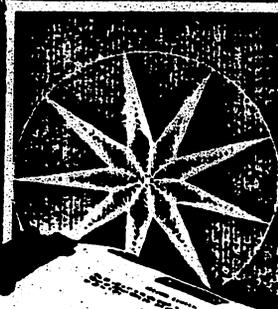
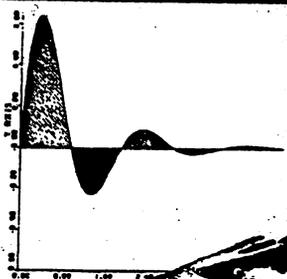
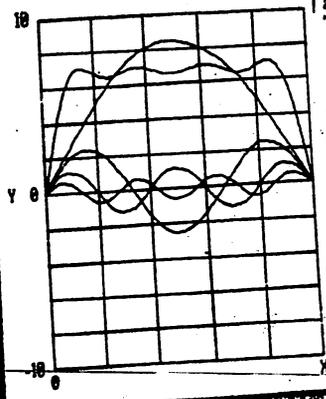
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The one machine solution to every application.

For word processing, plotting and just plain printing.

Save the expense of a costly daisy wheel. Eliminate the limited capability of cheap matrix printers. And get plotting in the process! Get the all new, advanced MT 160 multi-functional micro printer. You'll be amazed that such a small printer can house so much horsepower.

Capability? You name it, this printer's got it. A resident Report Package puts you in the Word Processing world... letter quality characters, proportional spacing, margin justification, auto centering. A resident Graphics Package

lets you plot whatever your micro wants to portray. The standard print mode lets you generate reports fast—speeds up to 200 lines per minute. Also, print eight different resident character widths.

There's more. Clip-on paper handling attachments let you use fan-fold forms, letterhead, cut sheets or continuous roll paper. The control panel has a "menu select" for machine configuration. When you look under the hood, you'll see what is meant by "solid construction." And the MT 160 is

plug compatible to your micro.

In short, the MT 160 is the epitome of engineering excellence. And it should be. After all, Mannesmann Tally is the technology leader in matrix printing.

MANNESMANN TALLY

990

[Add 60⁰⁰ For TRACTOR Feet]

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BENN DUNNINGTON

AUBURN, WA. (206) 939-2274

RATING KEY

- ◆◆◆◆ BEST PROGRAM OF ITS TYPE
- ◆◆◆◆ EXCELLENT VALUE, RECOMMENDED
- ◆◆◆ DECENT-NO BUGS, LACKS INSPIRATION
- ◆◆ SORT OF WORKS, BUT WHO CARES
- ◆ RIP-OFF OR ULTRA-DOG

◆◆◆◆ TOTL SOFTWARE
P.O. BOX 4742
WALNUT CREEK, CA. 94596
(415) 943-7877

I RECEIVED TOTL.TIME / TOTL.TEXT 2.6 /
AND TOTL.LABEL 2.0/ THESE ARE ALL VERY
GOOD PACKAGES FOR THE MONEY. FEATURES:

- 1) MENU DRIVEN
- 2) EASY AND LOGICAL TO USE
- 3) VERY WELL DOCUMENTED
- 4) QUICK DELIVERY
- 5) GOOD FOLLOW-UP AND SUPPORT
- 6) BOTH DISK AND CASSETTE VERSIONS
SUPPORTED IN SAME PROGRAM.
- 7) FUNCTIONAL USE OF COLOR
- 8) ALL RUN SMOOTHLY ON 64 WITH ALL
PERIPHERALS SUPPORTED.

THE FOUR-STAR RATING IS BECAUSE YOU
COULD FIND A BETTER WORD-PROCESSOR
FOR THE 64 BUT YOU WILL VERY
RARELY FIND BETTER EXECUTION OF AS
USEFUL A PRODUCT FOR A GIVEN TASK AT
SUCH A GOOD PRICE. SEE BROCHURE COPY
ELSEWHERE IN THIS ISSUE FOR DESCRIPTION
AND PRICES.

ANN PALMER-MCCARTY IS TO BE
COMMENDED FOR HER EXEMPLARY PRODUCT.

TURKEY ALERT !!!

"DATA MANAGER SYSTEM"

THIS \$60⁰⁰ DATA BASE MANAGER
WAS ORDERED BY A LOCAL USER -
IT HAS SERIOUS BUGS, AND THE
MANUFACTURER, MICROSPEC LTD,
PLANO TEXAS, HAS NOT RESPONDED
SATISFACTORILY. DON'T ORDER THIS
PRODUCT. (THANKS LOREN)

◆◆◆ MICRO-ED INC.
P.O. BOX 24156
MINNEAPOLIS, MIN. 55424
(612) 926-2292

THESE FOLKS WILL SEND YOU A FREE CATA-
LOG OF ABOUT 150 EDUCATIONAL PROGRAMS.
PRICES AVG. 7.95-14.95. I ORDERED TWO:
THE ATOM (AN INTRO TO THE PARTS OF AN
ATOM WITH A QUIZ AT THE END)
BRANDED (AN ELEMENTARY LOOK AT FRACT
IONS)

WHILE BOTH OF THESE PROGRAMS RAN SMOOTH
LY, THEY LACKED IMAGINATION AND DID NOT
INVITE REPEATED USE (ONE OF MY CRITERIA
FOR MORE THAN THREE STARS).

THEY TOOK A LONG TIME GETTING HERE
(PERHAPS BECAUSE I PAID IN ADVANCE) AND
SO I MAY HAVE BEEN EXPECTING QUALITY AS
COMPENSATION. IT IS POSSIBLE THAT
OTHER SELECTIONS MIGHT BE BETTER, BUT
I HAD THE GENERAL FEELING THAT THESE
WERE ALL PET RE-WITES WITH NO UTILI-
ZATION OF THE 64'S SPECIAL CAPABILITIES

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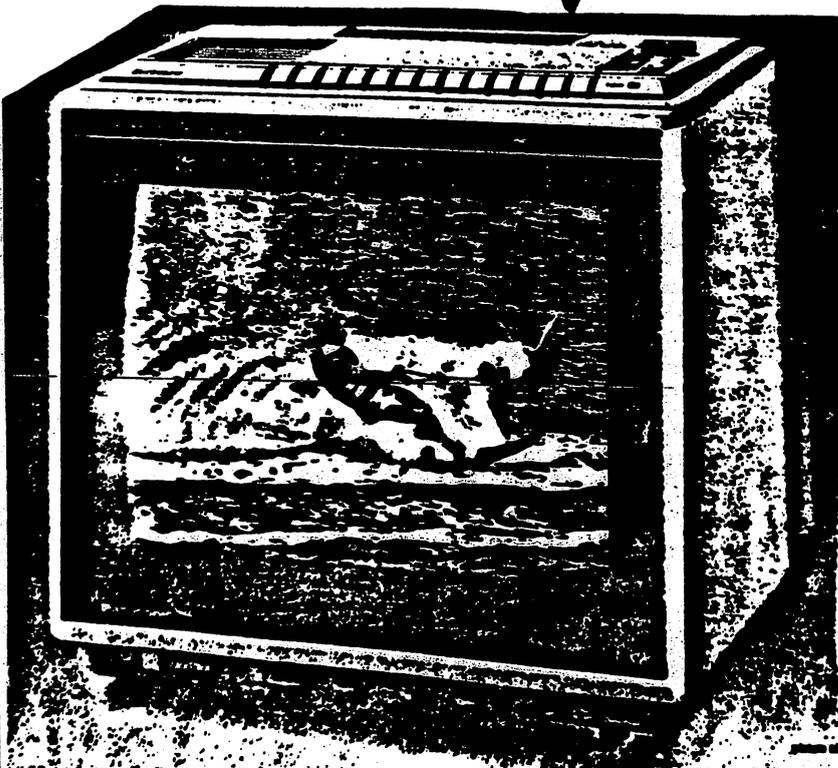
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WHY BUY JUST
A T.V. OR JUST
A MONITOR ??

GET BOTH FOR ABOUT
THE SAME PRICE
AS ONE

← 420⁰⁰

EXCELLENT DISPLAY
WITH CBM-64!

[OTHER SIZES AVAILABLE]

CT-1112

10" Diagonal Color Portable TV with 14-Position Electronic Tuner and Video Monitor Operation

- Channel 5 in-line picture tube
- ColorPilot active electronic circuitry automatically adjusts the color picture to accurate hues/tones
- 14-position electronic pushbutton tuner eliminates mechanical contacts
- Video monitor operation
- Stereo/mono input jacks for video tape recorder, video disc, video game or home computer
- Stereo/mono output jacks
- 100% auto-tune IC circuit
- Parabolic control
- Sharpness control
- Parabolic automatic fine tuning
- Matted carrying handle
- Detachable VHF dipole and UHF loop antennas
- CATV/Music antenna connector
- Earphone/earphone jack
- Limited 3-year warranty
- 11W/99 = 11W/99 = 9W/99



2 SETS OF
DIRECT VIDEO
AND AUDIO
INPUTS

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TWO PLACES IN SOUTH KING COUNTY
TO BUY MAGAZINES, BOOKS, MAGNETICS:

(206) 838-9570

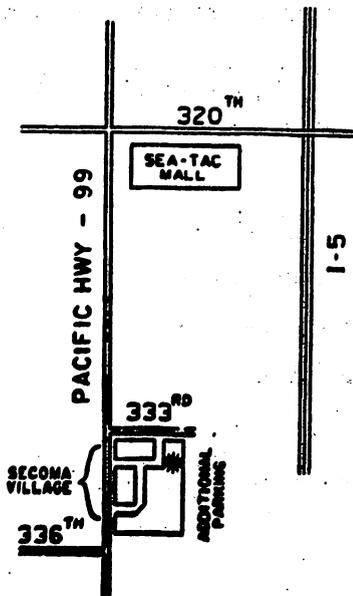
Compu•play
Quality Software at Discount Prices

CREATIVE
COMPUTERS

Secoma Village
33310 Pacific Hwy. S.
Federal Way, WA 98003

Kevin C. Mitchell
Owner

1415 W. MEEKER
KENT, WA. 98031
854-7629



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APPLE LOADER UPDATE

FIRST THE BAD NEWS: THE PRODUCT HAS BEEN DELAYED TILL JANUARY. THIS DUE TO ILLNESS OF THE MAIN ENGINEER ON THE PROJECT ACCORDING TO COMPUTER WORKS. DON'T SEND MONEY TO ANYONE FOR THIS PRODUCT UNTIL YOU SEE ONE OR SEE A REVIEW OF ONE.

NOW THE GOOD (?) NEWS: A USER ON THE COMPUSERVE NETWORK VOUCHES FOR COMPUTER WORKS- SAYS HE DOES BUSINESS THERE AND IS VERY PLEASED AND IMPRESSED WITH THE PERSONNEL, SOWHO KNOWS.

I'LL SURE LET YOU ALL KNOW IF SOMETHING MORE DEVELOPES ON THIS ONE.

BENN

MANUAL UPDATE

DARN! THE 400 + PAGE "BIBLE" HAS BEEN DELAYED AGAIN TILL DECEMBER. THE ONLY CONSOLATION IS THAT I HAVE IT ON GOOD AUTHORITY - IT WILL BE WORTH THE WAIT!

ENDORSED BY CYBORG

FOR SALE: KTERM

A SMART TERMINAL PROGRAM FOR THE COMMODORE 64 AND VICMODEM FEATURES:

1. SAVE MODE - STORES DATA RECEIVED FROM THE MODEM INTO MEMORY. CHARACTERS ARE NOT LOST OR GARBLED. SAVED DATA CAN BE RECORDED TO TAPE, DISPLAYED, AND/OR PRINTED.
2. KEEP/DISCARD FEATURE - ALLOWS YOU TO DECIDE AFTER YOU HAVE READ A MESSAGE WHETHER YOU WANT TO SAVE IT.
3. SUBMIT FUNCTION - ALLOWS QUICK ENTRY OF TEXT PREPARED OFFLINE, BY ED39 OR OTHER EDITOR.
4. CONTROL KEYS - GENERATED WITH THE CTRL KEY. FLEXIBLE KEY TRANSLATION.
5. KEYCLICK - AUDIBLE FEEDBACK FOR ACCURATE KEYING.

ALSO INCLUDED: ED39, A FULL SCREEN EDITOR WHICH USES INSERT, DELETE, AND ARROW KEYS LIKE BASIC.

THE KTERM PACKAGE INCLUDES FULL DOCUMENTATION AND IS AVAILABLE ON CASSETTE FOR \$14.95 FROM:

KATTUNINKEL COMPUTING
800 PALM SPRINGS BLVD. 0300
INDIANAPOLIS, IN 46203

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COMPUTER PARTY

- ★ ITS FUN
- ★ ITS EDUCATIONAL
- ★ YOUR CHANCE TO TRY-OUT,
EXAMINE, PLAY WITH THE
BEST HOME COMPUTER EQUIPMENT
AVAILABLE TODAY IN YOUR HOME

★ NO OBLIGATION

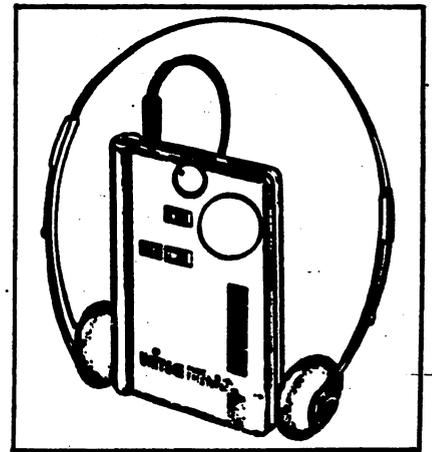
★ DUMB QUESTIONS WELCOME (& ANSWERED!)

★ FREE GIFT FOR QUALIFYING HOST(ESS)

★ BOOK YOUR PARTY SOON - CALL FOR MORE INFO

[SPECIAL ARRANGEMENTS FOR CLUBS, SCHOOLS, ETC.]

FREE GIFT ↘



UNITECH ULTRA-THIN
FM STEREO w/HEADPHONES

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WHY BUY FROM CYBERTECH?

- * FREE SOFTWARE OR PERIPHERAL WITH CBM-64
- * I OWN A 64, MOST DEALERS JUST SELL THEM.
- * I TEST EACH COMPUTER EXTENSIVELY BEFORE RESALE
IN ADDITION TO HONORING FULL FACTORY WARRANTY
- * I AM CONSTANTLY IN TOUCH WITH COMMODORE, AND
SOME OF THE MOST KNOWLEDGEABLE USERS IN THE
COUNTRY... I PASS ON THE BEST INFO TO YOU.
- * HOTLINE - CALL ME ANY EVENING 'TILL 10 P.M. -
ALL DAY WEEKENDS. (IF NECESSARY
I WILL COME TO YOUR HOUSE TO ASSIST
IN MAKING YOUR SYSTEM WORK RIGHT FOR YOU.)
- * NEWSLETTER - THIS MAY NOT ALWAYS BE FREE
(UNLESS YOU ARE A CLIENT OF CYBERTECH)
- * ADVANCE PRODUCTS AND INFO - I HAVE AN INSIDE
TRACK WITH COMMODORE AND SEVERAL VENDORS -
I OFTEN HAVE PRODUCTS OR INFO THAT OTHER
DEALERS CAN'T GIVE YOU AT ANY PRICE.

CALL CYBERTECH BEFORE YOU BUY