"What a day! The computer broke down
and we all had to think!"

Sydney, New South Wales, Australia

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TIsHUG Sydney Meeting
The March Meeting will start at
2.0 pm on the 1st March 1997
at Ryde East Primary School,
Twin Road Nth. Ryde.

INDEX

The cost is $75.00 American. It comes on a single sided disk with a manual. The page size of the manual is 8 ½ by 6 inches. The manual consists of 242 pages with prepunched holes to fit in a 3 ring binder. You will have to get the binder in a office supply store.

Upon receiving the package I was still having problems with the configure program I tried to format the Rave card. Once I had named the ramdisk 3 and 4 as PRBASE and RAMDISKB. It asked the question IS THIS DATA CORRECT? Y I pressed return and a syntax error in 750. The line said 750 "". I called John McDevitt and told him I was still having the same problem. He went over the procedure with me step for step. We tried it on our computers step for step. I still had syntax error in 750. John had no problem. When I mentioned line 750 had two quotes John checked his and his was different. His line stated 750 CALL LINK("POKE",Z*4+2+ST,0,0) :: CALL LINK ("POKE",Z*4+2+ST,0,0) which was completely different from my line 750. In the phone conversation John mentioned something about protection. At the time I thought he meant the program was protected from listing it to screen. John said try that line and hopefully it will work for you. If not let me know and I will send another disk out to you. Check your orinrinal disk that came with the system and check line 750.

Soon as I was off the phon I retyped line 750 I reran the CONFIG program another error this time in line 565. Well I went back to basic and did a CALL BOOT another error. I didn't panic I rebooted the CONFIG program and when it had no disknames I retyped the disk names in again PRBASE and RAMDISKB. I ignored the IS DATA CORRECT and went b50 was changed. I'm not sure how it got changed. Line 750 was now changed and I had to use the original to get the ramdisk formatted properly. The only thing I can think of is they are trying to protect the Myarc XB II. There was no instructions to use the original disk to format. What makes me very upset is that it cost me time and maoncy (phone calls) let alone the frustration of trying to get the card working.

RAVE 99 CO.
112 RAMBLING ROAD
VERNON CT 06066

If you do have a Myarc XB II cartridge it should not be used. As well as the TI extended basic should not be used.
In your CONFIG program you are going to have to modify the user banks to 4. Which means you will loose available sectors on the ramdisk, 128 sectors to be exact (4 banks x 32 sectors = 128 sectors) Select U for user banks. Now go ahead and select R for ramdisk and reformat your ramdisk. Copy the contents from the Myarc XB II disk over to your first ramdisk.
Go back to TI BASIC and do ith Funnelweb.

eg. 1 TI BASIC
2 EDITOR ASSEMBLER
3 FUNNELWEB

Go back to TI BASIC and do a CALL 128KOS the screen shows LOADING 128KOS. Once loaded the Myarc XB II prompt is displayed. When you do a CALL 128KOS and you don't have a disk in drive 1 then the light for drive 1 comes on then drive 2 light will come on. To run a extended basic program simply put the disk with the load program in drive 1 select TI BASIC and CALL 128KOS and your program will auto boot.
For some reason III.

One popular load program that doesn't work is Barry Boone's option 5 loader.
You get a bad arugment in 5 error.

5 CALL LINK ("OPT5","DSK1.FILENAME")

It is suppose to execute programs three times as fast as Extended Basic. When you think of it you have a extra step to perform. To be honest with you I haven't noticed a big difference in speed compared to Extended Basic.

For my own opion I think loosing the extra 297 sectors it takes to store the Myarc XB II on the ramdisk isn't worth it.

Also Barry Boone's XB option 5 loader is a popular load program. Which as mentioned will not work with Myarc XB II.

Your getting
sleepy....
sleeepy....
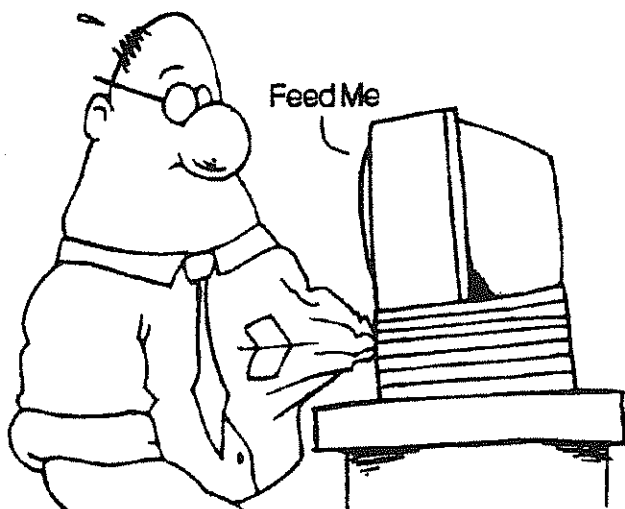
EDITORS COMMENTS

By Loren West

Our February meeting was held at our new location, I must say that it was a delight to work in a larger hall as well as the adult size tables and chairs, the amenities are close at hand, and there is plenty of parking which is very close to the hall

The meeting was well attended, there were about three TI systems set up doing one thing or another.
There were about six or seven IBM compatible systems going, Larry Saunders had his newly purchased system going through its paces, this system looks so space age, Larry had a number of attachments, such as a digital camera, a keyboard with built in scanner, an external backup ZIP drive, colour printer and a onboard fax modem.
Peter Schubert had his system running, Peter was demonstrating a screen saver and helping out with any other problem that came his way.
Dick and Cyril had the shop open for business, and I must say that there were some fine bargains available, Percy, Cyril and John were busy adjusting and updating members systems that were brought to the meeting. Over all it was a enjoyable meeting and we hope to see more members there next month.
See you at the next meeting (Loren)

Welcome to New Members

The directors extend a hearty welcome to the following members who have recently joined the club:

> Chris Burgess
> Mark Cribb
> Ron Hawkins
> Kym Holliday
> Richard James
> Trevor Reynolds
> Richard Ringsshaw
> Alison Schmidt
> Cheryl Umlauff
> Frank White

We look forward to seeing each of you at our meetings and trust that you will benefit from being an active member. Should you have problems with your computer or in running particular software please talk to one of the directors and we will endeavour to sort out any problem you have.

It was also great to see Larry Saunders and Rolf Schreiber in attendance at our last meeting after their long period of abence.

SUDBURY 99'ERS NEWSLETTER V#2 #10 OCTOBER 1988

With many thanks to **Bryant Krause**
for these articles

RAVE 99 MYARC XBII

I received my Myarc XBII on disk for the Rave memory card. It was sent on Monday June 6/88 I received it on Wednesday June 22. I have no idea why it took so long. There was no duty but all likely hood it was held up in customs.

RAVE 99 KEYBOARD

I accidently found the use of the "HOME" key on the RAVE 105 keyboard. I missed hitting the "back space" and hit the "HOME" key instead. It will take you to the first letter on the first line. It will not take you to line 1 character position 1. Whatever line you have on the top of your screen. In my case it was line 8. So those of you that have a Rave 99 keyboard this is another added bonus to the keyboard.

I read in the August issue of Micropendium that Rave 99 is offering a 30 day free trial offer. So you get to try the keyboard for 30 days. Let me warn you once you get the feel of this keyboard you will not want to go back to the TI keyboard. It has been a worthwhile investment for me. The Rave 99 is a well respected company. Give John McDevitt a call.

> RAVE 99
> 112 RAMBLING ROAD
> VERNON
> CT 06066
> USA
> (203)-871-7824

◄━━━ END OF ARTICLE ▌

RAVE MX01

Here is some interesting news about the Rave card MX01. I was talking to John McDevitt over the phone. He was kind enough to return my phone call and to point out these facts about the Rave memory card. If you add a second card to the box it actually acts as one card. This means that you get 544k of memory. You already have allocated 32k for replacement of the 32k card. So that memory is used on the first card. If you require a second card the U17 chip is not needed because you already have the ROS loaded on the first card. (U17 chip). That's a savings of $20.00. Even though you have 2 Rave memory cards in your box, it acts as one. When I configure my card I set it up for 3 drives and configure the card this way, 1440, 360, 119 sectors but with 2 cards it will say 1440, 1440, 1440, 95. So even though you have 2 cards it is used as one unit.

By the time you read this version 08 of the operating system will have been released. There are improvements in the program to eliminate the loading of the Macro program. You reload the Macro program when you lose your operating system or when it hangs up. The problem I had was with the widget. As soon as you switched to Extended basic you cause conflict between the Rave card and extended basic. What I have done to avoid the problem is to shut the computer off then select XB then turn the computer back on. John mentions that you could go back to basic and turn off the cartridge space with a CALL CF. Then when you wanted the cartridge space back on just do a CALL CO. John has also added a small program that will load the Myarc XB II from the ramdisk via the menu. It does cut down on loading time and saves going back to basic to do a CALL 128KOS.
John tells me that they are working on a print spooler.

John mentioned that he has only sold 50 MX01 memory cards. Attending different computer shows and user group meetings John said that most were unaware of the features.

"To keep you up to date with what's happening, we recently attempted to make another purchase of our very successful 105 keyboard from a distributor on the west coast of the U.S. They informed us that they had completely sold all of the keyboards they had (over 2000) to a customer overseas. After many attempts to try and buy whatever we could, we finally realized that we were not going to get any more Model 105 Keyboards. We have shipped about 50 keyboards to both our distributors, TENEX and they have found a different distributor of keyboards. The price is a little more expensive and for that reason John is carefully deciding what to do.

◄━━━ END OF ARTICLE ▌
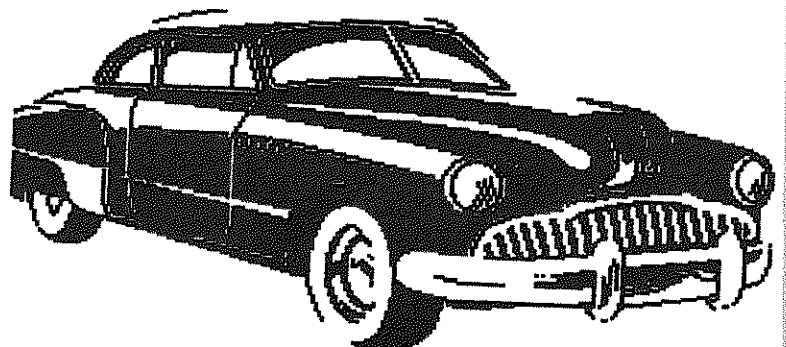
INTRODUCTION TO SCSI
BY JAMES D. LANMAN

Well, here is my article. A long promised and eagerly awaited introduction to SCSI. This isn't quite a primer, but rather an introduction for those who are interested about or planning to purchase a Western Horizon Technologies SCSI card. What follows should be useful and informative. At the end of this article, a glossary is included to help explain some of the terms used. But, first, let's start with my "definition" of SCSI.

SCSI is an evolving standard for connecting various types of peripherals to a host (CPU or internal bus). It is a bus specification and command set. The command set (CCS) optimizes use of the SCSI bus. There are three versions of SCSI: SCSI-1, SCSI-2, and the up coming SCSI-3 standard. Extensions to this standard are: SCSI WIDE (utilizing either a 16 bit or 32 bit wide data path) and SCSI FAST (provides for 6-10 MHz data transfer rates between a peripheral and host). A SCSI host adapter may be single-ended or differential in electrical configuration. Data transfers may be asynchronous or synchronous. Having defined SCSI, it should be known that this versatility in the SCSI standard allows it to be implemented on systems ranging from the TI 99/4A to supercomputers.

Many different types of peripheral devices can be linked to a host by the SCSI interface. A device driver (software) will be needed to use a specific device. Some of the SCSI devices are: CD ROM, floppy, hard, magneto-optical, tape backup, and WORM drives -- as well as -- scanners and laser printers. Each type and/or make of device will require a separate driver. While all the necessary drivers to run SCSI floppy and hard drives will be included with the WHT card, others will have to be written. Other drivers will be made avail- able, later, at a reasonable cost. Finally, having covered many of the SCSI device types, we come to the SCSI cable; and the features of the WHT SCSI card.

The cable will need to be a 50 conductor twisted pair/stranded type ribbon cable. A 50 pin female dual row ribbon connector will be needed for connecting to the WHT SCSI card. This is similar to the IDC type connector. For each peripheral, you will need a 50 conductor female centronics type ribbon cable connector. See TABLE 1 for SCSI pin-out information. A cable six feet or less in length is desirable. In any case, a cable shouldn't exceed 6 meters (about 6.5 yards). Generally, cables are more susceptible to interference as their length increases. This information should be helpful to those whom may want to make their own cable. In addition,

SCSI peripherals use a terminating resistor pack just like older TI floppy drives. These terminating resistors will need to be removed from all of the devices except for the last device connected to the cable (which is farthest on the cable from the SCSI controller). Save the terminating resistor packs and store them in a safe place. Should you need to change your configuration; you will have prevented any problems arising from a lost or discarded terminating resistor pack.

The WHT SCSI card can use up to 7 devices (actually 8, if bus arbitration is turned off). Any SCSI floppy drive, 5.25" or 3.5", with capacities up to 4 megabytes. Any SCSI hard drive with a capacity up to 2.7 gigabytes! Any combination up to a total of 4 GB. All current TI floppy formats will be supported as well as PC compatible floppies. PC TRANSFER(c) will be built-in on the WHT card. No more converting of files to/from a PC. You will be able to connect a CD ROM drive for access to pictures and sound. Drivers for HD's and FD's will be available; and a SCSI version of Unimanager by Mike Maksimik. A basic driver for CD ROM's is in the planning stages. Any SCSI device running at rates from 1 MHz to 5 MHz may be used with a proper driver. These devices are connected in a daisy chain fashion with a ribbon cable. This is just the beginning. But the real power of the WHT SCSI card will become most apparent when combined with the 4/A MEMEX card (available soon).

This article has barely covered some of the basics of SCSI. It would take a series of articles to really explain this new standard for the TI. I would like to thank Don O'Neil of WHT and the ANCOT corporation for their invaluable assistance in writing this article. If there is enough interest, perhaps I will do a more in-depth series on SCSI. But, for now, my next article will be "Curse of the Information Age: Carpal Tunnel Syndrome". As we all learned in last months' newsletter, Barry Traver has been stricken with this affliction.
I will be writing about my own experiences and what you can do to prevent this scourge from striking you.

The SCSI card will be available soon from Western Horizon Technologies and Bud Mills Services. Write or call them at:

Western Horizon Technologies   Bud Mills Services
Don O'Neil   166 Dartmouth Drive
10225 Jean Ellen Drive   Toledo, OH 43614-2911
Gilroy, CA 95020   (419) 385-5946
(408) 848-5947

TABLE 1 -- SINGLE-ENDED SCSI INTERFACE

PIN #   DESCRIPTOR   PIN #   DESCRIPTOR

1	GND	26	TRMPWR
2	D0-	27	GND
3	GND	28	GND
4	D1-	29	GND
5	GND	30	GND
6	D2-	31	GND
7	GND	32	ATN-
8	D3-	33	GND
9	GND	34	GND
10	D4-	35	GND
11	GND	36	BSY-
12	D5-	37	GND
13	GND	38	ACK-
14	D6-	39	GND
15	GND	40	RST-
16	D7-	41	GND
17	GND	42	MSG-
18	DPAR-	43	GND
19	GND	44	SEL-
20	GND	45	GND
21	GND	46	C/D-
22	GND	47	GND
23	GND	48	REQ-
24	GND	49	GND
25	OPEN	50	I/O-

GLOSSARY

ARBITRATION - The process of selecting one respondent from a collection of several candidates that request use of the SCSI bus concurrently.

ASYNCHRONOUS TRANSMISSION - A transmission in which each byte of information is synchronized individually, through the use of interlocking the REQ and ACK signals.

BIT - Binary digit, which can have a value of 0 or 1. It is the smallest unit of data that a computer can process. Bits are arranged into groups of eight called bytes. A byte is the equivalent of one character.

BUS - A signal path or line shared by many devices. Information is often sent to all devices throughout the bus; only the device to which it is addressed will accept it.

CCS - Common Command Set. CCS is a collection of 18 commands, which is a subset of SCSI-1. SCSI-1 specification allowed too many vendor specific features. CCS was designed to improve compatibility between SCSI devices from different vendors. CCS is included in SCSI-2.

CPU - Central Processing Unit is the nerve center or brain of the computer. It interprets programs and tells the computer how to execute them.

DIFFERENTIAL INTERFACE - An electrical signal configuration using a pair of lines for transfer. On a SCSI bus 'TRUE' (logical '1') is defined as -SIGNAL (about 1 Volt) higher than +SIGNAL line, and opposite polarity for 'FALSE'. The advantage of differential configuration (as compared to singlended) is in relatively higher tolerance for common-mode noise, and little crosstalk when used with twisted pair cables. It allows for connections up to 20 meters (about 22 yards). Its disadvantage is higher (component) cost.

HOST - A processor, usually consisting of a CPU and memory. Typically, a host communicates with other devices, such as peripherals and other hosts.

HOST ADAPTER - Circuitry that translates between a processor's own internal bus and a different bus, such as SCSI. On the SCSI bus, a host acts as an initiator and a peripheral acts as a target.

MHZ - MegaHertZ(MHz) is a million cycles per second. Used as a measurement of data transfer rate.

PERIPHERAL - A device that can be attached to a host computer, using a SCSI bus for example. Typical types of peripherals are floppy disk drives, hard disk drives, etc.

SCSI - Small Computer System Interface. Pronounced "Skuzzy". An industry standard for connecting peripheral devices and their controllers to a microprocessor. SCSI defines both hardware and software standards for communication between a host computer and a peripheral.

SINGLE-ENDED INTERFACE - An electrical signal configuration using a single line for each signal, referenced to a common ground path. The advantage of a single-ended configuration (as compared to differential) is in using half the number of pins, chips, and PCBoard area. Its disadvantage is higher susceptibility to common mode noise, and a limited cable distance.

SYNCHRONOUS TRANSMISSION - A transmission in which the sending and receiving devices operate continuously at the same frequency, and are held in a desired phase relationship by a correction device. For buses, synchronous transmission is a timing protocol that uses a master clock and has a clock period and allowable offset.

WORM - Write Once Read Many. An optical storage device on which data is permanently recorded. Data can be erased, but not altered or additional data added.

END OF ARTICLE

Quotes from famous people about computers in particular and progress in general:

from PETER SCHUBERT

"Computers in the future may weigh no more than 1.5 tons."
-Popular Mechanics, forecasting the relentless march of science, 1949

"I think there is a world market for maybe five computers."
--Thomas Watson, chairman of IBM, 1943

"I have traveled the length and breadth of this country and talked with the best people, and I can assure you that data processing is a fad that won't last out the year."
--The editor in charge of business books for Prentice Hall, 1957

"But what ... is it good for?"
--Engineer at the Advanced Computing Systems Division of IBM,1968, commenting on the microchip.

"There is no reason anyone would want a computer in their home."
--Ken Olson, president, chairman and founder of Digital Equipment Corp., 1977

"This 'telephone' has too many shortcomings to be seriously considered as a means of communication. The device is inherently of no value to us."
--Western Union internal memo, 1876.

"The wireless music box has no imaginable commercial value. Who would pay for a message sent to nobody in particular?'
--David Samoffs associates in response to his urgings for investment in the radio in the 1920s.

"The concept is interesting and well-formed, but in order to earn better than a 'C,' the idea must be feasible."
--A Yale University management professor in response to Fred Smith's paper proposing reliable overnight delivery service. (Smith went on to found Federal Express Corp.)

'Who the hell wants to hear actors talk?"
--H.M. Wamer, Warner Brothers, 1927.

"I'm just glad it'll be Clark Gable who's falling on his face and not Gary Cooper."
--Gary Cooper on his decision not to take the leading role in "Gone With The Wind."

"A cookie store is a bad idea. Besides, the market research reports say America likes crispy cookies, not soft and chewy cookies like you make."

--Response to Debbi Fields' idea of starting Mrs. Fields' cookies.
'We don't like their sound, and guitar music is on the way out."
--Decca Recording Co. rejecting the Beatles, 1962.

"Heavier-than-air flying machines are impossible."
--Lord Kelvin, president, Royal Society, 1895.

"If I had thought about it, I wouldn't have done the experiment. The literature was full of examples that said you can't do this."
--Spencer Silver on the work that led to the unique adhesives for 3-M "Post-it" Notepads.

"So we went to Atari and said, 'Hey, we've got this amazing thing, even built with some of your parts, and what do you think about funding us? Or we'll give it to you. We just want to do it. Pay our salary, we'll come work for you.' And they said, 'No.' So then we went to Hewlett-Packard, and they said, 'Hey, we don't need you. You haven't got through college yet."
--Apple Computer Inc. founder Steve Jobs on attempts to get Atari and H-P interested in his and Steve Wozniak's personal computer.

"Professor Goddard does not know the relation between action and reaction and the need to have something better than a vacuum against which to react. He seems to lack the basic knowledge ladled out daily in high. schools."
--1921 New York Times editorial about Robert Goddard's revolutionary rocket work.

"You want to have consistent and uniform muscle development across all of your muscles? It can't be done. It's just a fact of life. You just have to accept inconsistent muscle development as an unalterable condition of weight training."
--Response to Arthur Jones, who solved the "unsolvable" problem by inventing Nautilus.

"Drill for oil? You mean drill into the ground to try and find oil? You're crazy."
--Drillers who Edwin L. Drake tried to enlist to his project to drill for oil in 1859.

"Stocks have reached what looks like a permanently high plateau."
-Irving Fisher, Professor of Economics, Yale University, 1929.

"Airplanes are interesting toys but of no military value."
-Marechal Ferdinand Foch, Professor of Strategy, Ecol Superieure de Guerre.

"Everything that can be invented has been invented."
-Charles H. Duell, Commissioner, U.S. Office of Patents, 1899.

"Louis Pasteur's theory of germs is ridiculous fiction".
--Pierre Pachet, Professor of Physiology at Toulouse, 1872

The abdomen, the chest, and the brain will forever be shut from the intrusion of the wise and humane surgeon".
--Sir John Eric Ericksen, British surgeon, appointed Surgeon-Extraordinary to Queen Victoria 1873.

"640K ought to be enough for anybody."
-- Bill Gates, 1981

END OF ARTICLE

Using my SCSI

I just wanted to let everyone know what I've been doing with the SCSI DSR lately. So here goes -

I was able to copy all the files for Telco to my SCSI drive and actually run it from there. One trick you have to know is that the first time you run it, you have to keep the enter key held down until the display comes up prompting you for what drive you want Telco to normally boot from. Type in SCS1 and hit return. It will then rewrite itself to the SCSI drive. The next time, you just run it like normal.

I got it up and running, but had a little trouble with the auto-dialer. The problem was that the SCSI DSR wasn't handling relative record access correctly. After digging through thousands of lines of my source code, I found that I was doing relative record access wrong. I then spent the next several days rewriting that part of the code. I sent a new DSR to Don O'Neil last Friday that corrects the relative records access.

We've also made a couple of changes. They are -

1. We've included device names WDS1 - WDS8. If you have a Myarc HFDC and a SCSI card, just make sure the SCSI card has a higher CRU address than the Myarc. That way, the Myarc will respond to WDSx devices. This allows people who only have a SCSI drive to use software that uses WDS1 for a device name.

2. We've removed DSK emulation for now. In the future, we'll put it back in, but for now, it was causing more trouble than it was worth.
1.0-7 is the latest version of the SCSI DSR. I told Don that I think this is the last in the 1.0 series. This means that there are no more bugs to fix and that I can start adding new features. Before I do that, though, I'll be spending some time working on a disk manager for the SCSI. I had written a small one for Fest West just so people could copy files to the SCSI drive, but I've heard them say they want a much better disk manager. So unless anyone reports a bug in the DSR, I'm going to freeze it for a while and concentrate on the SCSI disk manager.

Dave Nieters
SCSI developer

END OF ARTICLE

PUZZLE

Below is a list of words that are based around the job
of a "Handyman" see if you can find these words
Good Luck!

```
B R A C K E T A W B X I E P I
U I C R D N R H R T L E D I U
S X H K E R O U T E R V A P Z
W E G M O D S Z S T A P L E D
A U E N G H D I P A L I B S V
S C T G R A H A M M E R F R T
T C A L F C U T L R A M H O V
A L R U N E T G S C O L O H E
I I B E L A N P E S A L C E H
N I R C W K I P M U P O L K T
R W V G E N A L P L R I V E T
F P P F S T P Q S P F I K C R
X E Y Z I H Q W Q T A C K E V
J Q W B V X S R A A O A F M U
P S R Q F Y Y B K S H P I C H
```

Blade	Hammer	Router
Brace	Horse	Saws
Bracket	Ladder	Screw
Brush	Measure	Snips
Caulk	Nails	Socket
Cement	Paint	Spike
Chisel	Pipe	Stain
Clamp	Plane	Staple
Cut	Pliers	Tack
File	Rivet	Tape
Fix	Roller	Tool
Gauge		Vise
Glue		Wrench

# THE MAGIC SQUARE OF THREE CRYSTAL

By ARTO J. HEINO

This book is dedicated to those that seek knowledge
and truth without hindrance from conventions.

Equilibrium function of Nature
Harmonic affinity
The nature path for anything by a least action
principle is a cycloidal line, one which balances
between different potentials, and in the process
creates a higher order, being the Equilibrium function
of nature. As it begins it will encounter harmonic
affinity with its surrounding and with a unit number
affinity. The least action principles not only at work
in nature but must be also seen to be at work in the
mechanisms of the magic squares, this lays the
ground for a couple of number series that are
naturally occurring and self replicate as each type of
magic square transforms and grows larger.

Arto Heino has written this book and if anyone is
interested in purchasing this publication please get in
touch with Arto on(02) 98-235-849, the prices for the
books are $80.00 colour and $30.00 black and white,
the books are signed and individually numbered by
Arto. Peter Schubert had one of his publications at
the February meeting and it looked very interesting
reading, and very professionally produced
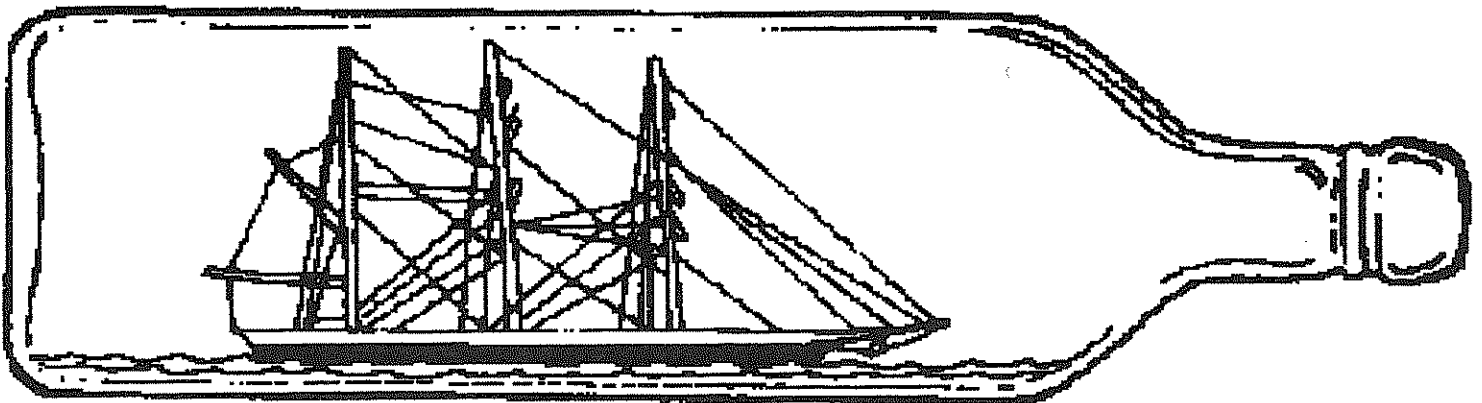
Mail From USA

Letter to Percy Harrison
from Bryant Krause

Enclosed is a international bank cheque for airmail renewal of the TIsHUG News Digest. Every issue is great and I hope with everyone's effort we can maintain enough membership to finance the printing of the magazine

I most certainly would not be using the TI today if it had not been for the 80 column card that you fine folks assembled and sold to me a number of yeas ago. most of my computing these days is word processing or using the internet and I sure would be lost without a 80 column display and huge buffer space.

END OF ARTICLE

How to contribute to your Magazine

All ⌨ or 🖼 or 🖫 posted to C/O 3 Storey St Ryde 2112 Australia
We are able to publish articles forwarded to us in the following manner.

* Printed letters or articles
* Articles left on the TI. BBS. IBM or TI computers can leave TEXT files.(PH. NO.02 4564606) *Free to all TIsHUG members*
* TI Computer floppy disks....5.25" DSDD or DSSD.....Text files, Funnelweb or TI Writer
* IBM compatible Floppy Disks.....5.25"or 3.5", we can process - text files, Word for Windows ver: 1.0 - 6.0, WordPerfect, and Word for Macintosh ver: 5x. (on a IBM formatted disk)

These items can be posted to the above address or could be handed to the Editor or one of the Club Directors. Please put your name on the disk so it can be returned

END OF ARTICLE

GRAM USER MENU SYSTEM (GUMS)

ORIGINALLY PUBLISHED IN LIMA NEWSLETTER

reviewed by Charles W. Good

Lima Ohio User Group

Offered as fairware by RAG software (requested donation $10), GUMS is for usewith any GRAM device (Gram Kracker, PGRAM, etc.). It provides the user on powerup (immediately after the TI or CorComp title screen) with multiple use fulmenu selections comparable to, and perhaps better than the menu selectionsavailable with O.P.A's SOP operating system. Some special features are available if GUMS shares GRAM memory with TI Extended Basic.

GUMS loads into small portions of the normally unused GRAM memory space in GRAMs 3-6 with the loader that comes with the GRAM device after a cartridge has been loaded, and can be used successfully with any saved cartridge. Once loaded, the cartridge/GUMS combination can be saved back to disk as a single set of cartridge files. Previous user modifications and enhancements to cartridges, such as the Gram Kracker's additional extended basic CALLs (XBCALLS), usually still work ok after GUMS is loaded. Combined GRAM cartridge files such as XB/EA also work properly. However, EA5 software packed into GRAM memory with GramPacker may not work properly after GUMS is loaded into the pack because GramPacker uses all available GRAM memory to store its packs. There is no "unused" memory on each gram when using GramPacker.

When you turn on your 99/4A and advance past the title screen GUMS gives you this menu, which like all GUMS menus is in 40 columns.

A- PROGRAM LIBRARY
B- UTILITY LIBRARY
C- FILE MAINTENANCE
D- DISK MAINTENANCE
E- TI BASIC

F-P Cartridge and GramPacker files loaded into the GRAM device. For most users, selection "F" will be TI EXTENDED BASIC. Those with the PGRAM+ will have all cartridges in all memory banks displayed simultaneously on this powerup menu without the

need to use the console's Review Module Library feature to page to banks of GRAM.

A- PROGRAM LIBRARY and B- UTILITY LIBRARY allow you to boot a large number of programs from disk, ramdisk, or hard drive. Each of the two LIBRARY menus gives you a user configurable menu of up to 13 programs which can be booted with the press of a single key. Thats 26 selections! These items can be any combination of EA5 PROGRAM files, extended basic PROGRAMs, or direct access to a specific GRAM address to start an internal GPL program. As distributed, the first two items in GUMS' PROGRAM LIBRARY are preconfigured with RAG software's 40 column TI Writer editor and formatter (TIW v5.0). The first UTILITY LIBRARY item takes you to the loader/memory editor of the Gram Kracker or the PGRAM, whichever device you are using. These preconfigured items and the unconfigured items in each menu can be altered by the user. Configuring these items is done either with the GRAM device's memory editor, a sector editor to change GRAM cartridge files that have been saved to disk, or a configuration utility that comes with the GUMS package. You can also from the PROGRAM and UTILITY LIBRARY menus run any EA5 or extended basic software not listed as a menu item. Just type the drive and file name and press <enter>

C- FILE MAINTENANCE from the powerup menu gives you these options when its selected:

A- SHOW DIRECTORY (with option to print to a printer)

B- COPY FILE
C- RENAME FILE
D- DELETE FILE
E- PROTECT FILE
F- UNPROTECT FILE
G- SELECTIVE COPY
H- SELECTIVE DELETE
I- PRINT FILE (must be DV80 or DF80 file)
J- VIEW FILE (this also must be a DV80 or DF80 file).

K- PRINTER SETUP
COPY FILE (item B) can be used with a single drive system with disk switching prompts. You can also copy a file back onto the master disk using a different file name. If you select items G or H each file in the directory is presented one at a time. The user can either perform the action or move on to the next file.

Item I- PRINT FILE is very powerful! Before printing begins you can specify the left margin, the number of

text lines per printed page, and whether or not to include line numbers in the printout. The printer name is, of course, configurable.

PRINTER SETUP (item K of the FILE MAINTENANCE menu) is very comprehensive and as distributed is set up for STAR NX1000 and other Epson compatible printers. Each of the items listed below in PRINTER SETUP is user configurable.

A- Elite
B- Pica
C- Compressed
D- Compressed Off
E- Expanded
F- Expanded Off
G- Emphasise
H- Emphasise Off
I- Double Strike
J- Double Strike Off
K- 8 lines/inch
L- 6 lines/inch
M- Skip Over Pref
N- Eject

D- DISK MAINTENANCE uses the built routines in the disk controller's ROM and should thus be compatible with all disk controllers. These options are available:

A- SHOW DIRECTORY (same as in FILE MAINTENANCE SD)

B- BACKUP DISK (file by file copying)

C- CHANGE DISK NAME
D- FORMAT DISK
E- BOX FORMAT
F- SECTOR COPY
G- PROTECT DISK
H- UNPROTECT DISK
I- PRINT DIRECTORY

I really like and frequently use BOX FORMAT. It is faster than any other 99/4A disk manager's "box format" and lets you rapidly format lots of blank disks on a multiple drive system. You put disks to be formatted into drives 1 and 2, type the number of sides, the density, and the first drive to be formatted. If you type D, S, and 1 (no need to press <enter>) the computer begins formatting the disk in drive 1 DSSD with the name "DSSD01". When formatting is complete the cursor flashes on the drive number. Press 2, and the computer begins formatting the disk in drive 2 DSSD with the name "DSSD02". While this is happening you have time to replace the formatted disk in drive 1 with another blank disk. When formatting in

drive 2 is finished, just press "1" for the drive number of the next format and you are formatting again.

There is no wasted time switching disks between formats!

CONCLUSION- Without reservation I recommend use of this software by all owners of GRAM devices. GUMS will make your life a little bit easier almost every time your turn on your computer. Members of the Lima Ohio User Group can obtain GUMS from disk XXXA of the group's software library. Others can obtain GUMS directly from the author by sending a $10 fairware donation AND a postage paid return mailer to:

R.A. Green
1032 Chantenay Dr.
Gloucester, Ontario
K1C 2K9
CANADA

THE OF ARTICLE
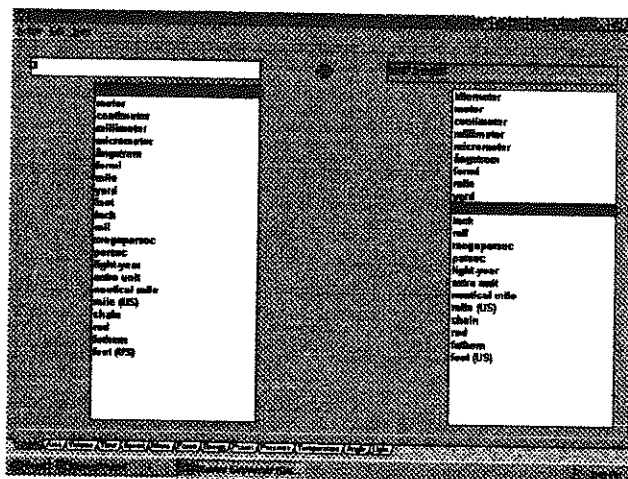
MASTER CONVERTER

Edited by Loren West

Master Converter is a Microsoft Windows 3.1 utility designed to fill one specific purpose: quickly and easily convert various units of measurement.

Master Converter can convert nearly 150 units in 13 different categories. The categories include length, area, volume, time, speed, mass, force, energy, power, pressure, temperature, angle, and light. (See Convertible Units for a complete listing of the units in each category.)

Master Converter is published as a shareware software product. The goal behind the shareware software concept is to give users the ability to try out a program before they actually buy it.

If you deem this program as useful to you, please support the shareware software concept by registering! Your support will help ensure future development of this program, as well as help ensure the future of shareware software itself.

When you register, you'll receive a "key" that will remove the opening Wait Screen on this and all future versions of Master Converter. Once you register, there will never be a need to register again!

See the Registration Form for pricing details.

The following is a list of the type of units Master Converter can convert. Under each category you'll find a list of the convertible units:

Length
kilometer, meter, centimeter, millimeter, micrometer, ångstrom, fermi, mile, yard, foot. Inch, mil, megaparsec, parsec, light-year, astronomical unit, mile (US), chain, rod, fathom, foot (US)

Area
square kilometer, square meter, square centimeter, barn, square mile, square mile (US), square yard, square foot, square inch, acre, hectare,

Volume
cubic meter, cubic centimeter, cubic yard, cubic foot

Cubic inch
liter, milliliter, gallon, gallon (UK), gallon (C), quart, pint, cup, ounce (fluid), ounce (UK), tablespoon, teaspoon, barrel, bushel, peck,

Time
millennium, century, decade, year, month (30 days), week (7 days), day, hour, minute, second, millisecond, microsecond, nanosecond, picosecond,

Speed
kilometer/hour, kilometer/second, meter/hour, meter/second, centimeter/hour, centimeter/second, mile/hour, mile/second, foot/hour, foot/sec, knot, mach

Mass

kilogram, gram, pound, ounce, slug, ton, ton (UK), ton (metric), troy pound, troy ounce, carat, grain

Force
kilonewton, newton, dyne, joule/meter, joule/centimeter, kilogram force, gram force, kip, pound force, ounce force, poundal

Energy
joule, erg, kilowatt-hour, watt-hour, watt-second, kilocalorie, calorie, BTU, foot-pound, therm, mega-electron volt (MeV), kilo-electron volt (keV), electron volt (eV)

Power
megawatt, kilowatt, watt, horsepower

Pressure
kilopascal, pascal, bar, millibar, microbar, atmosphere, psi, torr, millimeter Hg (mercury), inch Hg, inch H_2O (water)

Temperature
Celsius, Fahrenheit, Kelvin, Rankine

Angle
degree, radian, grade, arc minute, arc second

Light
foot-candle, flame, lux, ph, sb, lam

◄━━█ END OF ARTICLE █━━

NEWSGROUPS
ON the INTERNET

Edited by Loren West
[FTLFAQS.TXT]
Mon Jun 5 03:28:00 EST 1995
<postmaster@lightspeed.com>

FTL processes and handles Usenet *.answers newsgroups slightly differently than normal newsgroup processing. Those differences are documented here:

The answers newsgroups (news.answers, sci.answers, alt.answers, etc) are moderated groups for the posting of FAQ (frequently asked questions and answers to them) on thousands of subjects. Also, many newsgroups require users to read the related FAQ for the newsgroup before posting.

Incoming FAQ's are automatically posted both to the source newsgroups (news.answers, etc) and as downloadable files. The downloadable files are maintained for 31 days (files over 31 days old are deleted). The file description contains the summary information from the FAQ and a banner which can be used to ignore such postings (if using Robocomm or some other such automated system). The banner appears as:

[ftl/faq/news.answers]

The filenames of the posted zip files and the text files within are of little significance. The filenaming scheme is HHMMSSHHH.nn for the text file and HHMMSSHHH.zip for the zip file where HH = hour, MM = minute, SS = seconds, HHH = hundredths of when the file was processed. Duplicates will not appear (the system will keep retrying filenames until an unused one is found). However, duplicates will appear from month to month since once a file is 31 days old, it is deleted and therefor no longer a dup.

If you wish to keep downloaded FAQ's, you should rename them to something more meaningful and be careful of duplicates.

If you have any questions or problems, please leave a note in conference 7 (Support) on FTL (404-292-8761 = main hunt group).

(This review can be found on our library CD collection,(CD.1) if anybody would like to donate some of your old Freeware, Shareware or demonstration CD's please speak to Dick, Percy, Cyril, Loren or Stefan)

◄━━█ END OF ARTICLE █━━

CONASTOGA

INTRODUCTION TO NETWARE

By John Paine
(Part III)

WORK WITH COMMAND LINE UTILITIES

Command Format
The command format displays the appropriate syntax for command line utilities. Command line utilities are typed in at the DOS prompt.

The following are examples of the command formats for the NPRINT and the TLIST utilities:

    NPRINT path [option...] <Enter>
    TLIST [path [USERS | GROUPS]] <Enter>

Conventions
The conventions for these example command formats are explained below:

NPRINT   Words that appear in all capital letters must be spelled exactly as shown. Although they appear in capital letters, they can be typed in either upper or lower case.

path   Words that appear in lower case are variables. They should be replaced with the information pertinent to your task. In this case, "path" would be replaced with the path leading to and including the file you want to indicate, and you would replace "option" with any NPRINT options you want to specify.

[ ]   Square brackets indicate that the enclosed item is optional: you can enter a command with or without the enclosed item. In this case, "option" is optional.

....   Ellipses indicate that more than one option can be used with the command. In this case, more than one NPRINT option can be entered in the command.

<Enter>   The angle brackets indicate that you should press the key whose name appears between them.
    Always press <Enter> after typing the command format for command line utilities.

[[ ]]   Nested square brackets indicate that all enclosed items are optional. However, if you use the item(s) within the innermost brackets, you must also use the item(s) within the outer brackets.

| A vertical bar or "pipe" means "either, or." You can use either the item to the left of the vertical bar or the item to the right, but not both.

Wildcard Characters
DOS and NetWare recognize wildcard characters (* and ?) as universal replacements for any other character or set of characters. Wildcards can be used to search for groups of volumes, directories, or files, or to search for a particular file when you are unsure of its complete name.

An asterisk (*) in a filename indicates that any character can occupy that position and all remaining positions in the filename. For example, to search for all filenames with the extension .EXE in your default directory, type "NDIR *.EXE" and press <Enter> to display the list.

In contrast, a question mark (?) in a filename indicates that any character can occupy that position, and that position only. So, if you were to type "NDIR *.?", you would see a list of all files in your default directory with a single-character extension or no extension at all.

NetWare's use of wildcard characters differs from DOS's in one respect. For example, to represent all files in a directory, DOS expects you to type "*.*", whereas NetWare only needs one asterisk (*).

For more information about wildcard characters (global filename characters), see your DOS manual.

GET HELP IN NETWARE
Use the NetWare HELP utility to view on-line information about NetWare utilities, NetWare system messages, and NetWare concepts. NetWare HELP allows you to search for and retrieve information from infobases (information databases). To access HELP, type

    HELP <Enter>
Press <Enter> again to bring up the main menu. For more information on how to use NetWare HELP, press the Tab key until you get to "How to use this reference." Then press <Enter>.

BOOT UP
 To "boot up" your workstation means to turn on your computer, load DOS, and then load the workstation shell. You accomplish all of this with a boot
diskette, or you can put the necessary boot files on your workstation's hard disk. These boot files start up the workstation operating system, load the NetWare shell, and gain access to the network.

Create Boot Diskettes
 1. Format a blank diskette as a boot diskette, using the DOS FORMAT command. Insert a diskette into drive A and type

    Format a: /s <Enter>

 Follow the screen prompts.

2.   Copy IPX.COM and the shell file (NETx.COM) onto the boot diskette or to the root directory of your workstation's hard disk.

    If your workstation uses DOS 3.x, use NET3.COM.

    If your workstation uses DOS 6.x, use NETX.COM.

3. Copy these following additional boot files to the boot diskette or your hard disk, if needed. Your network supervisor can provide you with these files:

AUTOEXEC.BAT
CONFIG.SYS
NET.CFG

    See also "Boot files" in NetWare v3.11 Concepts and Appendix A in NetWare v3.11 Installation.

4. Label the boot diskette.
Create an AUTOEXEC.BAT File
You can create an AUTOEXEC.BAT file that automatically loads the shell file each time you boot the workstation. This AUTOEXEC.BAT file can also set your workstation to the first network drive (F), connect you (user MARIA) to a file server (WONDER), and set your DOS prompt to show your current directory (PROMPT PG).

Follow these steps to create your AUTOEXEC.BAT file:

1. Insert your boot diskette into drive A and change to drive A. If you plan to boot from your hard disk, change to your hard disk drive (C or D).

2. If you are using DOS 6.x, type
        COPY CON AUTOEXEC.BAT <Enter>
        IPX <Enter>
        NETX <Enter>
        F: <Enter>
        LOGIN WONDER/MARIA <Enter>
        PROMPT PG <Enter>
        <Ctrl>Z <Enter>

    If you are using DOS 3.x, replace NETX with NET3.

LOGIN/LOGOUT
When you log in to a network, you establish a connection between your workstation and the file server. When you log out, you terminate that connection.

To log in to the network, you must type in a unique password. If there were no password, other unauthorized users could easily get to your files and use them for their purposes.

Log In to Your Network

To log in to your default server, type

LOGIN servername/username <Enter>

Replace servername with the name of the file server you want to log in to. Replace username with your login name and (if applicable) type your password when you are prompted for it.

Log Out of Your Network
To log out of your default server, type
    LOGOUT <Enter>
To log out of a file server you are attached to, type
    LOGOUT servername <Enter>
Attach to Another File Server
Attach to another file server if you want to do the following:
o Send messages to users on that file server
o Map a drive to that file server
o Copy a directory to that file server
To access another file server while remaining logged in to your default file server, type
    ATTACH servername/username <Enter>
Replace servername with the name of the server you want to attach to. Replace username with the username you have been assigned to use on that file server.

Create or Change a Password
1. To create or change a password on your default server, type

    SETPASS <Enter>
The following prompt appears on the screen:
    Enter your old password:
2. If you are changing a password, enter the old password. If you are creating a new password,

press <Enter>. The following prompt appears on your screen:

    Enter your new password:
3. Enter the password you want. The following prompt appears:

    Retype your new password:

4. Enter the new password again. The following message appears on your screen:
    Your password has been changed.
View Who You Are on Your Network
Type
    WHOAMI <Enter>
Information similar to the following is displayed:
You are user FRANK attached to server MKTG, connection 1 Server MKTG is running NetWare v3.11. Login time: Wednesday October 2, 1994 8:05 am

    You are user GUEST attached to server ACCT, connection 7 Server ACCT is running NetWare v3.11. Login time: Wednesday, October 2, 1995 8:05 am

This screen display indicates that you are attached to both file servers MKTG and ACCT. Your username on MKTG is FRANK, and your username on ACCT is GUEST.
View File Servers on Your Network
Type
    SLIST <Enter>
Information similar to the following appears:
Known NetWare File Servers Network Node Address

RECORDS	[CED88]	[2608C234732]
SALES	[CED87]	[2608C217651]
MFG	[CED86]	[2608C293185]

View Current Users on Your File Server
You must be attached to a file server before you can view the list of users for that file server.

Type
    USERLIST <Enter>

Information similar to the following appears:

    User Information for Server BLOOM
    Connection User Name   Login Time
    1   JOE   4-17-1991 8:05 am
    2   *CORRINE   4-17-1991 11:20 am
    3   PAULO   4-17-1991 7:58 am
    4   GUS   4-17-1991 6:01 pm

An asterisk (*) appears next to your username.
What If ...
.... I can't log in?
o Your password may have expired or you may
        have run out of grace logins.Your
        supervisor or manager has to unlock your
        account.
o You haven't changed to the network login
        drive (F).
o The LOGIN.EXE file is missing.
o Your shell may be outdated. Type
        NVER <Enter>
        Report the version number to your
        supervisor.
o Your network board may not be seated
        correctly.

o Your file server may be down. Type
        SLIST <Enter>
        If your file server is listed, log in by
        typing
        LOGIN servername/username <Enter>
o You may be restricted from logging in during
        certain times. Ask the network
        supervisor.
    ....   My screen is frozen?
o Your supervisor should run the MONITOR
        utility and clear your connection.This
        saves the work you were doing. Then
        complete one of the two following tasks:
o To warm boot, press <CTRL><ALT><DEL>
        simultaneously.
o To cold boot, turn the computer OFF, wait
        15 seconds, and then turn it
        ON again.

o Your network cable may not be connected or
        terminated properly. Notify your
        supervisor.
o Your node (or station) address may be in
        conflict with another workstation. See if
        new workstations have been added to
        your network.
o You may have the wrong IPX configuration.
        Ask your supervisor.
o You may have received a message while in
        graphics mode. Disable messages before
        entering graphics mode by typing
        CASTOFF <Enter>

CREATE YOUR LOGIN SCRIPT
Your login script is a program that automatically
sets up your workstation's environment each time
you log in. It performs tasks such as mapping
network drives for you, automatically executing
programs and starting applications, and attaching
you to different file servers.

This section introduces some basic login script
commands.
To access your login script, follow these steps:
1. Type
        SYSCON <Enter>
2.   Select "User Information" from the main
menu.
3. Select your user name from the list of users
that appears.
4. Select "Login Script."
5. Enter the commands you need in your login
        script. Some common commands are
        listed under "Common Login Script
        Commands" below.

6. Exit and save the login script by pressing
        <Escape> and answering "Yes" in the
        confirmation box.

7. To execute your new login script, you must
        first log out of the network, and then log
        in again.

Common Login Script Commands

The commands below can be used in your login script. Each command is followed by its purpose and an example of how to use it.

MAP INS16:=   Inserts the drive as the next available search drive.

        MAP INS16:=pd3\sys:jan

MAP drive:=   Maps the specified drive to the given directory.

        MAP G:=pd3\sys:home\jan

MAP *n:=   Maps the next available drive to the given directory.

        MAP *1:=pd3\sys:home\jan

Runs an executable file (a file with an .EXE or .COM

        extension).

        #SYSCON

REMARK   These three commands allow you to insert explanatory text in

*   the login script. They will not appear on your screen.

        REMARK Be sure to update the PROJECTS file.

        * Check for new mail.

        ; Assign OS-dependent Search mappings.

ATTACH   Allows you to attach to other file servers while remaining

        logged in to your current file server.

        ATTACH pd3\jan

SET   Allows you to set DOS variables.

        SET wp="/u-jlw/"

        SET usr="jwilson"

IF...THEN   Executes certain commands, if a specified condition exists.

        IF DAY_OF_WEEK="Monday" THEN WRITE "AARGH..."

What If ...

My login script doesn't execute all the way?

o You may have inserted an EXIT command to a batch file in the middle of your login script. Anything after the EXIT command is ignored. Move the EXIT command to the end of your login script.

o An IF...THEN clause in your login script may be incomplete or incorrect. Check the proper command format in Appendix A of NetWare v3.11 Installation.

.... I am unable to map a drive to another file server?

The file server you want to map a drive to may be down. To check whether the file server is up, type

        SLIST <Enter>

.... I add some mapped drives to my login script and some I wanted are gone?

The system login script executes before the user login script. You can overwrite the mapped drives in the system login script with those in your user login script. Instead of using the command "map drive:=", use the command "map ins 16:=" or "map *1:=". (Remember: You can have only 26 drive mappings.)

VIEW OR CREATE YOUR MAPPED DRIVES

Mapped drives point to particular locations in the directory structure. In NetWare, there are three type of drives: local drives, network drives, and search drives. Local drives are physically attached to a workstation. Network drives allow users to access particular locations in the directory structure. Search drives allow users to execute program files (such as applications or utilities) that are in a directory other than the user's current directory. For more information, see "Drive mappings" in NetWare v3.11 Concepts.

This section tells you how to do the following:
o View all mappings
o Map network drives
o Map search drives

View All Mapped Drives

Type

        MAP <Enter>

You see information similar to the following:
    DRIVE A: maps to a local drive
    DRIVE B: maps to a local drive
    DRIVE F:= COUNT/SYS: /HOME/KAREN
    DRIVE G:= COUNT/SYS: /
    DRIVE H:= COUNT/ACCT: /ACCDATA
SEARCH1:=Z: [COUNT/SYS: /PUBLIC]
SEARCH2:=Y: [COUNT/SYS: /PUBLIC/WP]
 SEARCH3:=X: [COUNT/ACCT: /ACCREC]

Map Network Drives
Suppose you want to map a network drive to a directory in which you have files. To see what network drive letters are available, type

    MAP <Enter>
Choose a drive letter that is not being used, such as J. Type
    MAP J:= path <Enter>
Replace path with the directory path (including the file server name and the volume name) leading to the directory to which you want to map network drive J.

For example, suppose your username is MARIA and you want to map drive J to your home directory, which is on file server COUNT in volume SYS. Type

MAP   J:=   COUNT/SYS:HOME/MARIA <Enter>

MAP SEARCH DRIVES

Suppose your search drives appear as follows:

SEARCH1:=Z: [COUNT/SYS: /PUBLIC]
SEARCH2:=Y: [COUNT/SYS: /PUBLIC/WP]

The next available search drive is SEARCH3 (S3). To map a search drive to directory ACCREC on volume ACCT, type

MAP S3:=COUNT/ACCT:ACCREC <Enter>

When you type MAP again, the new search drive appears:

SEARCH1:=Z: [COUNT/SYS: /PUBLIC]
SEARCH2:=Y: [COUNT/SYS: /PUBLIC/WP]
SEARCH3:=X: [COUNT/ACCT: /ACCREC]

What if ...
.... I just mapped a drive and then rebooted, and now the mapped drive is gone?

Did you map the drive in your login script? Drives mapped at the command line are temporary----they are deleted when you log out of your file server or turn off your workstation. If you want the mapping to be permanent, you must enter it in your login script.
.... The system won't accept my mapped drives?

o   You may not have rights to the directory you
        want to map to. Change to that directory
        and type
        RIGHTS <Enter>
        If your rights aren't sufficient, see your
supervisor.

o   You may have used the wrong command
        format.
.... I just viewed my mapped drives and some of them seem to be incorrect?

Did you use the DOS CD command to change your default directory? Changing directories changes your mapping.

.... My search drives are in reverse order?
Search drives are numbered, but their associated drive letters begin in reverse alphabetical order. For example, the first search drive (Search 1 or S1) appears as network drive Z, the second one appears as network drive Y, and so on. However, in your login script, they should appear in normal alphabetical order.
        ---- To be continued ----
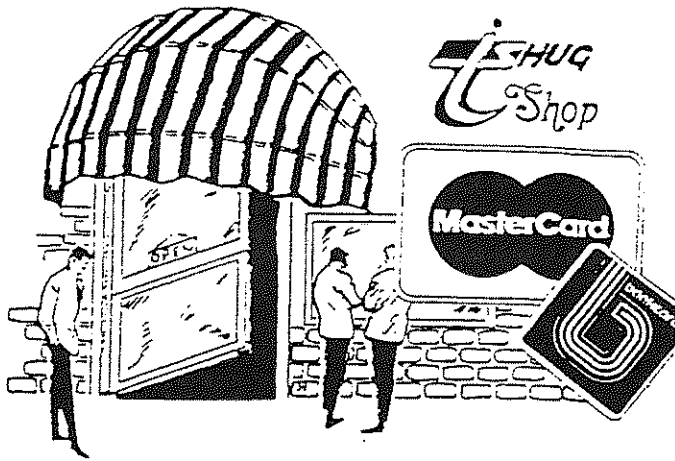
The IBM SHOP

## with Cyril Bohlsen

40mb QUANTUM IDE hard dsk S/H	$ 40.00
120mb 'SEAGATE' hard disk S/H	$ 80.00
3.5" Disk storage box (100 cap)	$ 10.00
5.25" Disk storage box (100 cap)	$ 10.00
Parallel printer cable 1.8M	$ 5.00
3 or 2 Button mouse	$ 14.00
Mouse pad	$ 1.50
WIN95 Keyboard 104 keys	$ 20.00
Keyboard Fujitsu 101 keys S/H	$ 20.00
3.5" Mitsumi floppy disk drive	$ 38.00
5.25 Panasonic 1.2mb FDD S/H	$ 25.00
3.5" power adaptor cable	$ 6.00
3.5"-5.25" FDD mounting kit	$ 8.00
3.5"-5.25" H/disk mounting bracket	$ 8.00
15-9 pin "D" adaptor for Monitor	$ 6.00
Auto Print Switch Agilier AGX-201P	$ 20.00
Enhanced IDEIO VL controller	$ 15.00
CPU fan & heat sink (for 486)	$ 7.00
CPU fan & heat sink (for 686)	$ 8.50
Heat sink for 486 CPU's	$ 2.00
Intel 386DX-20 CPU	$ 10.00
Intel 486SX-33 CPU	$ 22.00
AMD 486DX-40 CPU	$ 40.00
IBM M1 P120+ CPU	$ 130.00
16mb Simm 72 pin 60ns N/P	$ 110.00
8mb Simm 72 pin 60ns N/P	$ 55.00
4mb Simm 72 pin 70ns N/P	$ 35.00
1mb Simm 30 pin 70ns with Parity	$ 12.00
1mb Simm 30 pin 100ns with Parity	$ 8.00
256k Simm 30 pin with Parity	$ 8.00
30-72 pin Simm adaptor	$ 25.00

486 PCI mother board (NEW)	$ 60.00
486 VL Buss mother board S/H	$ 20.00
386 Mother board with DX40 CPU	$ 30.00
Microsoft Encarta 96 Encyclopedia	$ 30.00
Windows 3.1 sofware & book	$ 30.00
Windows 3.1 book only	$ 5.00
CANON BJC-210 colour printer	$ 300.00
16 bit 'Audio Excel' sound card	$ 35.00
Stereo speakers	$ 20.00

For current pricing of items not listed please contact Cyril Bohlsen at the general meetings or Phone (02) 639 5847

NOTE : All prices listed are at time of printing, and may change at any time. Prices do not cover posting and packaging.
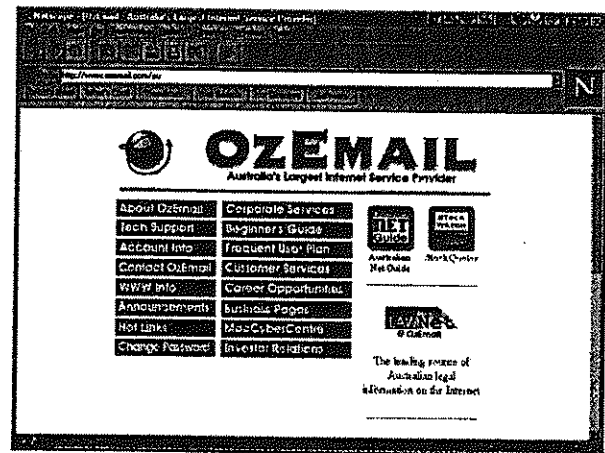
OzEmail's Free Internet

Starter Kits

OzEmail's Free Internet Starter Kits provide you with easy access to all the internet software you need to get on the "Net". Your OzEmail Internet Starter Kit will take you step by step through On-Line Registration, an Internet Tutorial, and the downloading of a licensed copy of Netscape Navigator™, the world's most popular Internet software

For a free disk, with Netscape Navigator ver 2.0. and instructions, ring OzEmail on 02 9433-2400, or Fax them on 02 9437-0711.
(Ed)

SHAREWARE PROGRAMS

for BUSINESS AND FINANCE

(edited by Loren West)

A170.ZIP   382017 07-09-95 Solo Practice Claim Entry System
Model:C1A1A170 V1.01 This product is designed to allow a single provider of medical services to submit primary insurance claims for their patients direct to insurance carriers via asynchronous modem using the Health Care Financing Administration's National Standard Format electronic claims format, the HCFA-1500 universal claim form, or indirectly through the claims clearing house of your choice. Claims are entered into the system in batches organized by insurance carrier.

BF331A.ZIP   124484 06-07-95 Bigfin Finance Prg. Update V 3.31a

BROKER2.ZIP   847329 05-08-95 SmartBroker 2.0 is a Stock and Options analysis program that does all the work for you-- everything. SMARTBROKER tracks 4,000 pre-loaded stocks, downloads quotes from Dow Jones quickly and efficiently to save on-line cost, analyzes the data qualitatively and quantitatively, and reports stock opportunities. You will need a DOW JONES NEWS RETRIEVAL FLAT RATE ACCOUNT...only $29.95/ month.

CAT0726.ZIP   15881 26-07-95 On-line Catalog System.

CJPOS518.ZIP 782943 10-08-95 Complete point-of-sale program configurable to any small businesses. This EXTREMELY easy- to-use program will write invoices, estimates, track inventory and salespersons, Performs sales analysis for any period, keeps a customer database & has customer history of invoices and more. A powerful program. Included is demo data for an auto garage. COMPLETE NEW REVISION FOR '95.

CRISPR21.ZIP   134108 26-09-95 CRISP-R Real Estate Accounting is a book- keeping system for up to 100 different properties using just one bank account (or up to three bank accounts) for all properties in one data base. There are 250 user named accounts and 250 payor/payees, with unlimited special payor/payees. Reports are for one, several, or all properties. Checks are written with selected information. Sorting and selecting for special tasks.

EMPBBS06.ZIP   32643 02-07-95 Employment BBS List as of 7-1-95. On-line Job Search Assistance. Includes Complete System Profiles of Independent, Recruiter, State, Federal, Company and Internet Sources of Job Vacancy Information. Compiled by the Staff of the Executive Connection Information System. A Must For Every Serious Job Search.

FADVSR12.ZIP   57510 01-10-95 The On-line Financial Analyzer version 1.3 beta test release Several Bug fixes plus the addition of savings with goal tracking.

FLRST20.ZIP   184673 29-07-95 PC-FLORIST Product Costing for Flower Shops.
Calc cost and required selling prices based on a desired gross profit % and/or $ amount. Edit input costs to see the effect on costs and margins. User selectable sorted displays/ printed reports. Full mouse support and on- line help. Note field for each stock item, arrangement and product. Also calc total revenue, cost and gross profit for a bid, etc.

GEMA0715.ZIP   15287 31-07-95 GoldED 2.50 Alpha 0715 Notes/Todo etc.

GEOA0715.ZIP   290545 15-07-95 GoldED/2 2.50 Alpha 0715 Exes Only Get
GEMA0715.ZIP for notes, todo, etc.

GEXA0715.ZIP   379363 15-07-95 GoldED/386 2.50 Alpha 0715 Exes Only Get
GEMA0715.ZIP for notes, todo, etc. Requires D4GW_197.ZIP.

HAPPY23.ZIP   79126 25-08-95 Birthday-reminder for home and office. Give
it a snug place in AUTOEXEC.BAT and forgetting a birthday is a thing of the past! For use with a stand-alone PC or in a multi- user network. Shareware by 'Nice Software!' **INV31AG.ZIP   504477 20-09-95 THE INVOICE STORE V. 3.1 Rev AG An Invoicing,**
POS & Customer Tracking system for the small business. Very simple to learn & use, and requires no accounting background. Perfect for any mailorder, retail, or any business that requires invoicing. Maintains Customers, Vendors, Sales Personnel, Sales History, Inventory Management, Invoicing & Receivables, Sales Taxes, Credits & Returns. Supports POS hardware and is network ready.

INVJR.ZIP   241396 20-09-95 THE INVOICE STORE JR THE INVOICE STORE JR is a very simple to use invoicing program. The user can maintain a database of customers and products. Invoices can be easily generated and payments can be applied to these invoices. Many fincancial reports can also be generated. This JR program is a low cost alternative to the bigger product. Shareware. $20 to reg.

JOB.ZIP   429320 20-07-95 The JOB System is a set of programs designed to record and track sub-contractor billing. Among the JOB System features is the ability to run in a multi-user environment. It can access an invoice by either invoice # or client code. JOB can also record a single check payment of multiple invoices. ASP approved. Note: This is a Foxpro application and requires the Foxpro runtime unit. Contact C&R Business Systems Ltd. Compu-Serve #73304,1222.

JOBNET40.ZIP   129936 05-07-95 JOBNET v4.0 <ASAD> Put your skills to work making money.

JobNet is the 1-800 Contact Directory for professionals seeking temp and perm jobs. Now, you can access a national market and do it in a cost effective and productive manner. JobNET shows you how. 1000's registered users. $20 fee includes ASCII text file of mailing addresses. Runs under DOS, Windows, OS/2.

LOANAMOR.ZIP   53195   29-07-95   Excel v4.0 template for calulating your home mortage. Allows for additional payments to determine the savings effect of early payments.

MAXPOS20.ZIP 280400 04-07-95 Max Point of Sale User Guide V2.0

MCSLIC.ZIP   192368   14-09-95   * MARINE CORPS SL INVENTORY CREATOR * At last a program made just for those tool room NCO's and warehouse clerks. This program will print out a simple, usable and standardized inventory control form. Samples included including the infamous common #1 tool kit. Try it. I'm sure you'll like it.

MERCS.ZIP   15551 10-07-95 This is A Collection of Spread Sheets for use with Mech Warrior

MPM155.ZIP   75606   01-08-95   Mark's Portfolio Manager 1.55 for Ms-excel

PCFD71.ZIP   187676   09-07-95   PC-FOOD II Professional Food Costing calcs food cost and required selling prices based on a desired gross profit % and/or $ amount. Edit portion sizes and ingredient costs to see the effect on costs and margins. User selectable sorted displays/printed reports. Full mouse support. On line help. Note field for each recipe, ingredient, menu item. Also calc total revenue, food cost and gross profit for a banquet, days sales, etc.

PDQUOT6D.ZIP 419628 07-08-95 ProDev*QUOTE V6.0d <ASP> Quote System.
Contains program, data & documentation. Extremely full featured Quotation or Bidding system for any type or size of business. Point & Shoot browse allows rapid preparation of quotes. Uses dBASE III+ compatible files. Low registration of only $70.

PS20A.ZIP   1059799 30-07-95 Phone Station 2.0 - Dials your pager when you get a message on your answering machine and sends a predefined set of numbers to let you know. Also a Phone book / Address book with speed dialing, quick search buttons, record printing and auto modem detect. A definite must have if you can't miss an important call and don't feel like waiting around for it.

PUNCH100.ZIP 161831 12-07-95 Punch Clock v1.0 - Punch Clock keeps track of the time you spend on various projects/tasks. Simply punch into and out of projects and it does the rest. Includes a report generation module that allows you to total hours by project or by date. In addition, you can have subtotals by day, week, month, quarter, year, etc.

ROUNDOFF.ZIP   57771 08-07-95 Roundoff: When the retail sales price is compututed Roundoff will figure in the tax and round off to a value you specify. For instance: You have a product you want the customer to pay $17.50 for after figuring the tax in.

STOCKDEN.ZIP   15087   16-07-95   STOCKDEN B/M/D entries in St Catherine's
House Indexes; Births 1838-1993; Marriages 1839-1986; Deaths 1837-1994. Bruce Rayner.

VEND23GB.ZIP   205816   18-08-95   THE DISK VENDOR sales catalog system. For businesses who need an interactive on-line disk based catalog for their customers. Complete instructions and compiler is included to show you how to make your own catalog that can be distributed royalty free to customers. Produces very professional looking results very simply and quickly. Version 2.30GB

VIDEO20U.ZIP   475277 20-09-95 THE VIDEO STORE 2.0 Rev U A video rental store POS system that is very powerful and simple to use. Supports customers, inventory, sales, salesmen, products & rentals, payments, late fees, and is network ready. Supports popular POS hardware. Invoices may be customized and supports US & foreign countries.

VNOTES.ZIP   246858   13-07-95   Vulcan Notes brings you one step closer to the paperless office/home. It lets you generate up to 100 virtual "sticky notes" on your screen. Additional features include an alarm for each note with repeat settings and find/replace. Very fast, handy and simple to use. It's the perfect reminding tool that will increase your productivity. Registration fee is $19.95 + CA-Tax + S/H.

(These are shareware programs and is available from our I.B.M. software library ED.(CD1))
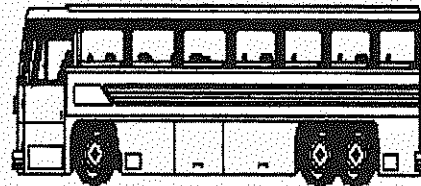
REGIONAL GROUP REPORTS

TIsHUG in SYDNEY

Monthly meetings start promptly at 2pm on the first Saturday of the month. They are held at the **RYDE EAST PRIMARY SCHOOL, HALL** located at TWIN RD North Ryde. Plenty of off street parking is available and is accessed from Badajos Rd North Ryde. Regular items include news from the directors, the publications library, the shop, and demonstrations of monthly software.

MARCH MEETING 1st MARCH 1997

APRIL MEETING 5th APRIL 1997

ILLAWARRA

Regular meetings are normally held on the first Tuesday of each month after the TIsHUG Sydney meeting at 7.30pm, at the home of Geoff Trott, 20 Robsons Road, Keiraville. A variety of investigations take place at our meetings, including Word Processing, Spreadsheets and hardware repairs. Contact Geoff Trott on (042)296629 for more information.

Meeting Summarys for FEBRUARY

Central Coast	08/03/97 Saratoga
Hunter Valley	09/03 16/03/97
Illawarra	4/03/97 Keiraville
Liverpool	07/03/97 Yagoona West
Sutherland	21/03/97 Jannali

HUNTER VALLEY

The meetings are usually held on the second or third Sunday of each month at members homes starting at 3pm. Check the location with Geoff Phillips by leaving a message on (049) 428 617. Please note that the previous phone number (049)428176 is now used exclusively by the ZZAP BBS which also has TI support. Geoff.

CENTRAL COAST

Regular meetings are normally held on the second Saturday of each month, 6.30 PM at the home of John Goulton, 34 Mimosa Ave., Saratoga, (043) 69 3990. Contact Russell Welham (043)92 4000.

LIVERPOOL

Regular meeting date is the Friday following the TIsHUG Sydney meeting at 7.30 PM. Contact Larry Saunders (02) 644-7377 (home)

*** ALL WELCOME ***

7th MARCH 1997

SUTHERLAND

Regular meetings are held on the third Friday of each month at the home of Peter Young, 51 Jannali Avenue, Jannali at 7.30pm. Peter Young.

The cut-off dates for submitting articles to the Editor for the TND via the BBS or otherwise are:

15th MARCH FOR THE APRIL MAGAZINE

These dates are all Saturdays and there is no guarantee that they will make the magazine unless they are uploaded by 6:00 PM, at the latest. Longer articles should be to hand well before the above dates to ensure there is time to edit them.

TOOL TIME
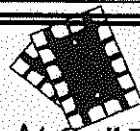
At Cyril Bohlsen's home the <u>Friday</u> after each TIsHUG Meeting

Tune up your system, Help someone else with their problem What-ever it may be. Be there

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