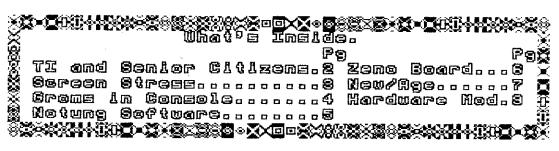
JI SLAVES AND OGDEN JI USERS GROUPS NEWSLEJJER

JANUARY 1991





WE WOULD LIKE JO WISH EVERYONE A HAPPY NEW YEAR.

TI 99/4A AND THE SENIOR CITIZEN by Harold Hilburn

A little over a year ago, my wife Helen and I, with help from the Ogden TI Users Group, started a Computer BASIC language course at the Roy, Utah Hillside Center. This is the Senior Citizen Center for the City of Roy. It is located in the basement of the new City Hall building and adjacent to the City's Recreation department. The City had purchased four television sets for use with video games from Nintendo for the Recreation Department. The wife and I purchased three TI 99/4As from the Box Elder County School District and those along with spares we already had, gave us six complete operating positions by also using the Senior Center TVs.

Our biggest problem was the acquisition of the Modulators as the School Board TIs were driving old "Gorilla" monochrome monitors and did not use Modulators. Also, books were not available and the first several lessons for the classes were prepared by summarizing the first two Chapters of the TI "Beginner's BASIC". As time went on, we were able to acquire a few of these books and even fewer of the "User's Reference Guide". Since the students advance at their own rate, they all are working on different portions of the text material. This makes for a very interesting instructor workload, as each question or problem is from a different reference area.

We are now into the winter period of our second year and now have one to four new senior citizens join

our group each week for the introductory presentation and the first two "Chapters" of "Teach Yourself BASIC" from the tape cassetts. More than half of these people come back for several more sessions, usually staying with us for three or four months and getting through the "Beginner's BASIC", which was the purpose of the course, to understand the BASIC language. We have two students from last year back for the second year and currently studying from the "User's Reference Guide" and learning to solve the syntax differences with other manufacturers' BASIC.

For the first six sessions, which takes them through Chapter Two of Beginner's BASIC, each student receives a copy of lesson summaries. The first session is an introductory Chalk Board presentation describing the course purpose to teach enough of the BASIC language so they'll understand how to create simple programs, or change preexisting programs to do what they want. We point out how stupid the computer is but how clever the men that designed them were. We describe the various number systems and show a bit of conversion of binary, decimal, octal, hexidecimal and base twenty. A couple of minutes are used to show how simple and workable binary is to a stupid computer that only can relate to one of two conditions. Zero or one, yes or no, plus or minus or whatever you want to call

The opening session also is a show and tell of the TI console and all its connections, the modulator,

power supply and the tape recorder. We also give a short history and description of the ASCII description of the ASCII Coding and how the computer converts our human letters and decimal numbers into the simple numbers it can understand and use. Then we have each new student run through "Chapters 1 and 2" of the "Teach Yourself BASIC" tape. Then on the following class meeting, they start on the programmed learning outline we have developed from Chapter One, "Beginner's BASIC". By the time they are through Chapter Two, they are spread out enough to work out of the text books at their own individual rates.

Three other Senior Centers have asked for the course, as they too, have Seniors of the same interest in the of the same interest in the advancing world around them. We would like to see more people experienced with Home Computers pick up this fine and satisfying work of spreading the knowledge and fun of computer operation. We have finally had people come to the class that had an old TI on the shelf that had been forgotten and are now back in use. We now have such a variety of people coming that we have had to split the class into two sessions and still have two matched students on machines at the same time. This has required an earlier starting time and earlier starting time and reduces class time from two hours to one and a half hours.

Our new project is to equip four Centers with Saturday Night BINGO as many of their members love BINGO. We are now faced with the 2). Avoid terminals with problem of locating attached keyboards:Clear Extended BASIC Cartridges the clutter off computer to operate the Speech furniture so you can move

Sythesizer. We have been able to locate several Speech Synthesizers, but no Cartridges at our normal surplus sources at reasonable prices. We'll probably have to buy these as new items. It seems a shame though, when we only pay five dollars for good consoles at DI and other Boodwill sources. Goodwill sources.

Those students that have TI's will become very good members of the TI Users Group and continue to learn and develop uses for their machines. Those same people are the ones that will expand their systems so that even more great things can be done. Helen and I encourage anyone to and Í encourage anyone to set up a similar course at their own Senior Center. We would be happy to provide copies or a disk of the documentation and summaries we have developed. We feel there are still thousands of TI 99/49s gathering dust in the closet. This is a fine way to get them back into service and bring enjoyment to many older people to many older people.

Screen Stress Blues

Some 40 million Americans regularly use video display terminals, and more than half have trouble focusing on distant objects after staring at the computer screen for a long time.

Here are some helpful hints that you may find beneficial.

- 1). Terminal viewing distance:about 80 inches from screen.

Keyboard.

3). Screen filters can help eliminate glare, static and radiation.

4). Use a carefully placed desk lamp.

5). Take a 15-20 minute break every two hours.

For more information on this subject you can obtain a book titled Computers and Visual Stress: How to Enhance Visual Comfort While Using Computers from Seacoast Information Services, 4446 S. County Trail, Charlestown, RI, 02813

Submitted By:

David K. Mischler, President OGDEN TI USERS GROUP 90-91

PUTTING GROM BASED CARTRIGDES IN YOUR CONSOLE CTHE EASY WAY? by John Willforth

If you would like to install several (up to 6 GRDM chips) inside your own console without any circuit boards, and little wire, listen up!
Because the addressing is internal in a GROM, they can be stacked, and all of the GROM sockets in the TI-99/4R are pin for pin identical to each other. Take GROM 0,1 and 2 from their sockets above the CPU chip, and stack them carefully and solder ALL 16 of their legs together. Now plug the whole 3-chip unit in the Grom socket next to the Sound chip, observing direction (pin 1 location). Now you will note that you have two empty GROM sockets with the potential of six

of these little beasties being stacked right on the CPU board. First though you better test the console to see that you have everything still operational. everything still operational.

Multi-Plan requires five GROMS, and Editor Assembler one, for a total of six, and this will be a full boat for these sockets without cutting a hole in the RF shield to stack these chips to sky-scrapper proportions. You may prefere TI-WRITER, one GROM, Disk Manager II, two GROMS, or any of the many GROM only cartridges that TI made, even games could TI made, even games could be included in this list. To keep this simple, however, I reference Multi-Plan, and Editor Assembler. Remove the groms from their circuit boards carefully. Since you must keep all five of the MP chips selected at the same time, I would recommend that you make note of the E/A chip so that it doesn't get mixed with the MP chips get mixed with the MP chips just yet.

Stack any three of the MP chips and solder them together as you did to the console GROM chips earlier. Cut the part of pin 14 off the bottom chip of this 3-chip unit so that when this unit is inserted in the middle of the three sockets, there will be no connection to the corresponding pin in the GROM socket, but be sure that all three GROM pin 14s are soldered together. Now take the other two MP GROMS and piggyback them, and cut the bottom of pin 14 as before. Pick up the E/A before. Pick up the E/A GROM, and bend pin 14 onun, and bend pin 14 straight out, you don't have to cut it's pin. Slip the two MP GROMS on top of the E/A GROM, and solder ALL but 14.

Using 3- 12" length of multi-stranded wire

Cribbon-cable works well), attach the center wire to column of three ២វោ 14s, on the console GROMS by using $1 \circ w$ wattage a soldering iron, and one ⊝£ the other two wires to the single pin extended From E/A GROM, and the remaining wire to the two ω£ 1.43 the 加护 immediatly above the E/RGROM. Connect the two CROM 14s to the three GROM pin 14s in the middle GROM socket using α short length of wire. Using a SPDT switch (on that is off in the center, Con and will stay on when it thrown to either side), solder the center wine Ofrom pins 14) of the console GROMS to the center lua on the switch. Attach the other two wires either of the two remaining lugs on the switch. Before buttoning up the console test the switch see that if the switch to in the middle on po only Console BASIC power-up. ÍΞ the menu. When the switch is thrown in one of the possible directions, CO. power-up.BASIC and **毛刀170**段 ASSEMBLER will appear On the screen, and in the. third position. On power-up,BASIC and MULTI-PLAN will appear the screen. Then locate $\circ n$ switch inside the console a convenient position, and button it up. YOU desire 抓色打象 selections, followthis same scheme but use Grotary switch to allow 加色力包 selections. This works, should take very little time. You may want to order your GROMS from TI, instead of tearing up a cartridge. 888D Luck/

The following comes from:

NOTUNG SOFTWARE 7647 MCGROARTY ST. TUJUNGA, CA 91042

CHE NEXT GENERACION C A L E N D A R by Ray Kazmer

Noting is pleased to present a wonderful package from Ray Kazuer featuring digitized pictures of the popular IV Serias, Star Trek: The Next Generation. Captain Picard, Data, Worf, Diana Troi, Riker, Geordi and others are pictured in a salendar setting, included are 12 full page files accessible from Asgards PIX-PRO, JPs McThx or McCann's TPA MOG. Please specify SSSO, OSSO or BSDD format 410



THE RING OCOMPANION KING by Ken Gilliland

AN incredible two-disk package of artwork, music and literature about Richard Fagner's Der Ring des Mibelungen'. Explore the firey world of Wagner's Grand Epic through 11 Th-Artist formatied art filled depicting his world of Dwarves, Glants, Reroes and Gods. There are on screen fand printable) test files on the Life of Wagner, desorbytions of every character found in the Ring, his musical style and even notes on instrumentation! There's also a program which explains and plays over 30 of his "Leitmotifs" for musical words) found in the Ring. A deficiale mist in you are a student of art or music, a Wagnerite or have



FINALLY, there's a complete database for your Video omplete database for your Video omplete database for your Video on the very thing a videoholic would want. There are entries for up to 3 actors, the director, the producer, score composer, the year it was made, film length, I to 4 star rating, it's litte (of coursely, whether it's color, coriorized or black by white, a short synopsis of the story, what tape it was made, the length of the story, what tape it on (including cointer and speed recorded at) and much more. But that's not all, it prints a short one line list of your library as well as a full descriptive list. It can search and print by date, by catagory or by a person's name. Double drive system and II-BASE are required, Double density capabilities suggested. 17 (Updates are free?)



Labels



Another wonderful, arty of package from Ren Gillitand of and Ray Karmer with a porders even better than of Fren Volume 1.

Certificate 99

COMPANION
PLUS

by Ken Gillitand

know pixel by pixel imagine having so many oboles of Burders and Font that you have to use not only ALL your ingers, but all your loss and even a friend or twosto counters sound too incredible, like dream? Woll then it's time to awake to reality with CERTIFICATS 92 OMFANION PLUS. There's Il new, READABLE Conts, evenly space with true descenders. There's 35 borders, ranging from very simple to incredibly ornate. There's a low new graphics, 80 of 'em to be exact with many sports, dinosaur, and whitnisical designs. There's inew signatures ranging from Cavenan thug it Mozart to Paul McCarlney's and if that isn't enough there's even 7 stready made Certificate files on the disk. And now here's the most incredible feature of all, the project.







Included are 7 II-ARTIST fonts and over 15 Border/Design Instances, All for 17



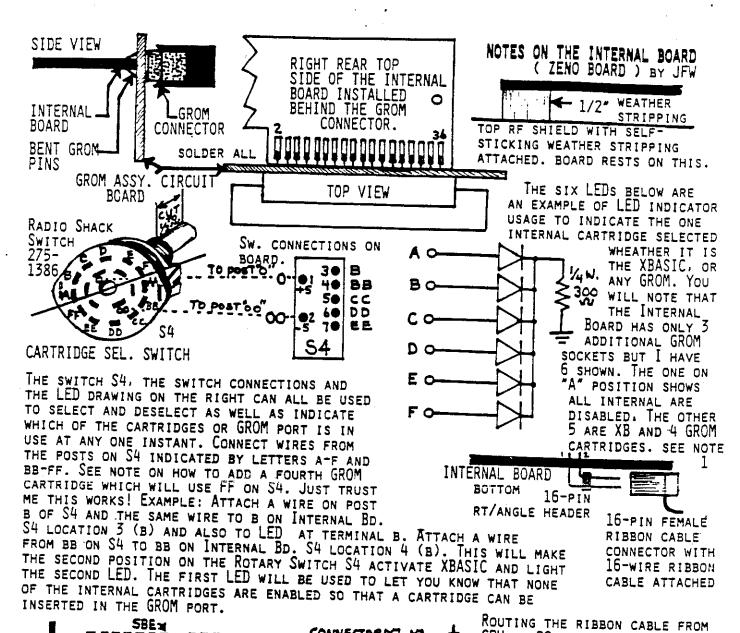
There's 6
larger borders, the Artist font, BRICKS and a very special instance alphabet. Wouldn't you like to be able to add a little...

LASS to your test with a floral Capitol letter to start before tapitol letter to start there's A to Z Floral Caps in the package as well, and best yet, it's yours for just 17...











CONSTRUCT IT AND ENJOY IT SOONER WITHOUT MUCH TROUBLE. BELOW ARE NOTES: INTERNAL BOARD TO NOTE 1. TO ADD A 4TH GROM PIGGY-BACK IT (UP TO TWO HIGH) ON ANOTHER GROM PIN FOR PIN

EXCEPT PIN 14. ATTACH A WIRE FROM PIN 14 OF THE 4TH GROM TO POST FF ON S4.

WILL AID ALL THOSE WHO PURCHASED AN

NOTE 2. DO NOT INSTALL LEDS WITHOUT A 200 OHM RESISTOR IN SERIES.

NOTE 3. THE SPEECH SYNTHESIZER HAS TWO ERRORS, BELOW UI AUD P2-8 SHOULD BE P2-10 AND BELOW UZ RDY PZ-9 SHOULD BE PZ-4. (ERROR ON SCHEMATIC) NOTE 4. MORE LATER

JOHN F. WILLFORTH 10-27-89 . - 6 -

NEW/AGE SPECIAL

* by JACK SUGHRUE, Box 459, East Douglas, MA 01516 *

BETTER, GOOD, BEST!

There is only one program in the TI disk community that is (as my 5th-grade pupils would say) "totally wicked awesome rad to a gnarly degree." I agree with the sentiment, if not the mode of expression.

Nothing else in our world computer community has equalled the impact the FUNNELWEB environment created for us by Tony McGovern and his son, Will. These two Australian geniuses (and I do not use the word

lightly) put together what all of us deemed impossible for the TI. FUNNELWEB just grew and grew. The original American release was a TI WRITER and EDITOR ASSEMBLER combo, more or less (actually more). Next a few months later contained a bit more with lots of enhancements of what went on before. TIW, for example, does not contain ruler or address recall or macro-key CAPS or LC. Tony put all these things in fairly early versions, all of which we take for granted in our word processing activities. The environment always loaded by either E/A or XB, thus making it ideal for supercarts (again from earlier versions) RAMs or whatever device hardwarers could devise. Then things like Disk Manager 1000 and Diskpatch were added and modified. loaders for c99, FORTH, etc. Each time Tony (primarily) would unravel the complexities caused by these needs and create new and better solutions than dreamed possible.

When he came up with the windowing effects for the CONFIG program, for example, which established a profound systems configuration (still able to be ported en masse to any newer version, I felt he had reached his peak. Boy, was I ever wrong.

FUNNELWEB is not a program. It is an environment which gives you, the some great computing tools in such a complete package that it

becomes almost impossible to do without them after using them.

Probably 80% or more of normal (non-programmer) use of computers expecially the TI - is word processing. People need to communicate. FUNNELWEB turned TIW into a great word processor, adding so many features that should have been in the original cart/disk combo that when you go back to that combo you are apalled at its limitations. As I say, we have become spoiled by Tony and take for granted what is surely a remarkable achievement.

Much as I * my TI, I know that if FUNNELWEB did not exist I would no longer be Tling. I couldn't. FWB's a structure equal to the best that

any home computer has to offer its users at any price.

Let's face it. It serves as a Master DOS. What does a Disk Operating System do? Well, it lets you load up other programs, primarily, or lets you handle some disk management tasks. FWB does all that as a sideline.

With the new 4.31 FUNNELWEB the console 99 disk user has just leaped quantumly into an exciting era. The 40-column (standard) TI computer fan now has available to him or her a package heretofore only available to non-standard 80-col upgraders.

Before I go on, I'd like to say:

STOP!

The bad news is this: Will went over to the Amiga a long while ago, and his father will be following shortly. This will mean that the greatest single piece of software for the TI will no longer grow; nor will we be seeing any other pieces come from Funnelweb Farm; nor will there be any more great tutorials (particularly those on exploring XB). This is not only BAD news, it is HORRIBLE news. Not that I can blame Tony. Although close to 100% of all TI disk users use FWB and its

upgrades, an extremely small number has ever paid the author a penny - and a tinier number, still, has ever given a second contribution (though the original to present upgrade is similar to the difference between my salary and Donald Trump's). And a tinier number, still, have ever written to Tony to tell him how much they use and appreciate FUNNELWEB and all the other great things he has done for us.

Remember, this is not commercialware. Fairware authors need and deserve our support. Fairware authors of the stature of Tony McGovern have earned massive support financially and socially. They just don't get it.

I urge every user group to "charge" a minimum \$10 copying fee to each member for this upgrade and send the entire collected sum to Tony. Send a group letter. Write him up in your newsletter. Let's let '91 be the Year of the McGovern. Even more, I urge every single reader to sit down at your first opportunity and write (probably using FUNNELWEB) a supporting letter, enclosing the largest cash (certified check, international coupon, money order) contribution you can really afford. It'll still be cheaper than anything you'd have to pay for that would be in the same league as FUNNELWEB (if such a thing exists). People couldn't wait, for example, to shell out \$60 for PRESS (sight unseen) or \$25 to \$60 for data bases. Many of our game cartridges cost at least five times what some consider a "fair" price to pay for the finest piece of software ever for the TI.

How about this for a rule of thumb? Take the most expensive piece of software you ever bought (and probably don't even use anymore) and double it. Send that as a donation. Remember what you paid in those pre-inflationary days for LOGO and MULTIPLAN and TI WRITER and DISK MANAGER II and E/A and whatever?

Well, the new FUNNELWEB has so many new features that most of those expensive cartridges and upgrade disks can be chucked in the basket.

What's your TI worth to you? What'll it be worth to you down the road with Tony McGovern gone? Decide soon about your commitment and make the investment today in your future.

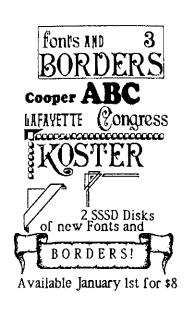
So what are a few of these outstanding features? Well, for one, there is no more Disk Manager 1000 nor Disk Patch, because the new Disk Review performs all the functions of both (and then some) from within the FWB environment, including COPYING FILE BY FILE (to eliminate fractures) WHOLE DISKS TO MULTIPLE DRIVES! So stick a disk in Drive 1 and copy to Drives 2, 3, AND 4, while you go comb your wallaby. Disks can be FORMATted to Quad density, if you have the right controller. Any program can be RUN right out of DR, including the huge IV254s. The Quick Directory now lets you mark a file from WITHIN the FORMATter or ASSEMBLER. And the disk editing functions are plentiful and profound.

The whole FUNNELWEB 4.31 environment is profound. You'll realize this immediately when you see BOTH central menus displayed on the screen simultaneously and you just have to move the cursor around to either RUN the program (or VIEW and/or PRINT the text file).

This is a must for eveyone!

Get it from your user group today, being aware that everything worthwhile in life costs.

iIf you use NEW-AGB/99 please put me on your exchange list.]



INCREDIBLE FAIRWARE FACKAGES of Borgoin Prices

The following are FAIRWARE packages available from Ken and Ray. All packages are to a piece, or 4 for 116.

SS-Single sided disk drives. DS-Double sided bet Drives. DS-Dbouble sided bouble bensity Disk brives. ACCT SS-Single-Sides Dask Drive, requires Barry Boone's ARCHIVER to unpack for use.

THE TEZ ENCODER. This program allows you to draw graphics with a postick then it encodes them to flies for use on Bulletin Board Systems for TEZ cartridge users. Attended Basic required, 2001.

THE STAR TREK ALBUM_Music and graphics from the first three Star frek movies and the Original TV Series. Extended Basic and SZK Required, SSSD.

THE SOUTH PACIFIC SOUNDTRACK_Music, graphics, singing and artwork from the musical, includes "Some Sindands Spening," Ball Hal" and "Younger than Springtime". An amazing feat, the II sings on key to music and animaled graphics. 18's see those PC's my that Extended Basic and standard ID XX required.

THE PARTY CLIFE COLLECTION_Music, graphics, singing and antwork from the Country-Western starts greatest "Fall to Pleoses", "Sweet Dreams", "Cray" and "Ross of San Antone" as only the 99 can singlem to animated graphics and music. Extended Basic and a standard if TSX card required, SSD.

IRS MUSIC MAN ALBUM_Hear the 99 sing out "Gary, Indiaha", ordon "Fill There was You" and romanticise "Goodnight, My Someone" all with animated graphics and full musical backing. Extended Basic, a standard Ti \$2%, and Speech Synthesizer required. SSSD.

THE WIZARD OF OR YOLAL SORES. The last of the four "Singing" disks includes "Somewhere Over the Rainbow", "We're of to See the Wizard", and "If it only had a Brain'a Heart/the Herve", All are of course animated with singing and musical background, Extended Rasio, a standard II 32K and Speech Synthesizer, SSSD.

RKEARD WAGNER'S GREATEST HITS, YOLUME ONE_Hear a wide selection from one of the greatest composers of all time and hear and see some of the most spectual music and graphics done on the \$2.50 per lend a changing sunset to "Slegfried's funeral Music" or ride the roaring sea aboard the flying Dutohman while hearing Traft the das Schiff im Meers ab" "Watch night fall upon a mountain lake during the "Preflude to Tristan und isolde" or float down the Rhins on a boat drawn by a swan with Lohengrin's "Preflude". Requires Extended Basic and SCR, 18 or ARCD SSSD.

RICHARD WAGNERS TOER AIMS DES NIBELINGENT—Here are four musical art representations, one of each part of "Der Ring" complete with an on-surcen explanation of each music drama, included are "The Prelude to Act if of Das Rheingold", "The Prelude to Act III of Die Walkurg Gide of the Yalkyries", "The Prelude to Act III of Die Walkurg Gide of the Yalkyries", "The Prelude to Act III of Gotterdammerung", Requires Extended Basio and SCR. IS or ARCID SSSD.

THE 1991 EBOB ORLIE CALEMDAR_Yery realistic, very naughty beauties. Lot 3 in Extended Bane and prints with ANY printer. BOD or ARC'D SSD Yersions available. MOTICE: If you are UNDER 16 years of age or 80 iffy offends you, please do not purchase this dust. The us an altered version of the 1896 Calendar.

9840 MUSIC_Music and Oraphics straight from MOSS-Ken bas broken new ground by being the first one in MOSS to create music. Included are Mozarde fine Kleine Balchmusic, "Svening star" from Wagner's Lannbauser, the melody from the Romance of EMX that also gives you the day and time and "Adottenspiel" by Mozart, ESS version only. Geneve 9840 required, MDCS L14 and AUTOSESS included.

Fairware from RAY KAZMER

WOODSTOCK, THE MAZE OF GROG and MOREL.Ray Magner's acclaimed WOODSTOCKS CHRISTNAS PRESENT is a program remembered by all, included too, is his follow-up, THE MAZE OF GROG, a Valentine's Bay game in which Woodstock must save Penelope from becoming Grog's supper, Ray's carboon of GAPTELD & OUR is also included. Extended Basio Required, SECO.

THE INFOCOM RAPID LOADER...This amazing program allows you to change the color of the text of you had the color of the text of you for the leading time from Extended Basic by more than bair. On-screen instructions are included, SSSO.

ARTCON-_This program allows you to save Gasse and Extended Basic screens to TI-ARTIST or GRAFHX formats, all CHARS, including SPRHES, instructions are on disk. SSS

Hardware

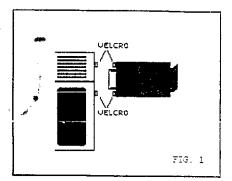
Q & D HARDWARE MODS

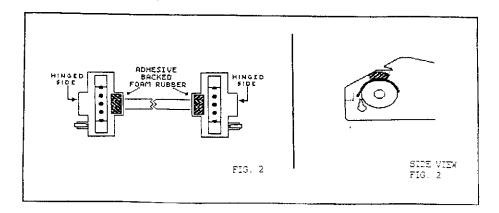
Steve Burns Bluegrass 99'ers

Sometimes a simple straightforward solution is the best. Here are two examples of quite different problems that I solved in similar ways. Both took only seconds and have worked quite wall

The first problem was one that is common to nearly everyone who owns a TI and expansion box. The heavy connector and "firehose" cable that plugs in to the side of the console frequently comes loose when the console is moved. This fix requires only a small piece of adhesive backed Velcro. Out two small strips to fit on either side of the connector and place them as shown in Fig.1. The Velcro will help prevent the "firehose" from pulling loose, even when the console is scooted all over the desk. This is cheap, easy and makes no permanent modification to either console or cable.

Another problem I had was using pinfeed labels with my NX-1000 printer. Although the printer should have handled them with no trouble, they kept jumping off the pins and jamming. The NX-1000 depends on little plastic covers to hold the labels on the pins. I took some adhesive backed sponge ruhber (such as is used for weatherstripping) and placed it on top of the plastic pin covers so that when the rear printer cover is snapped in place, it prevents the little pinfeed covers from flipping up (see Fig. 2). The lables now feed through flewlessly.





COMMERCIAL PRODUCTS

FAIRWARE

RAIR WARE

Suchard Wagner's Greatest litts 5

Suchard Wagner's Der Ring des Bibelungen 6

The Sauch Footline Collection 6

The South Footline Collection 6

The South Footline Collection 6

The Such Footline Collection 6

The Such Tree Countrack 55

The Such Tree Album 55

The Such Tree Album 65

The Such Tree Album 65

Woodstook, The Maze of Grog and Morel 75

Arbon 6

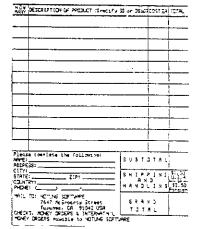
Arbon 6

San Tree Countract 6

Footline Collection 65

Footline Co

ORDER FORM



To use the ORDER FORM Enlarge it two times.

TI SLAVES AND OGDEN TI USERS GROUPS OFFICERS

JANUARY 1991 NEWSLETTER

TI SLAVES:

OUR NEXT NEETING IS JANUARY 19

1991 AT 9:00 am. WE NEET IN

THE DISABLED AMERICAN VETERANS

HALL AT 273 E. 800 S. PLEASE

BE THERE PROMPTLY.

OGDEN TI USERS GRBUP BUR NEXT NEETING IS JANUARY 1st AT 9:00 am. AND JANUARY 1Sth AT 7:30 pm. WE NEET AT THE OGDEN NUNICIPAL AIRPORT IN THE FIRST BUILDING JUST EAST OF THE NEW TOWER.

Slaves & Oting 1396 Lincoln APT B Ogden, Utah 84404







