TI99/4A DIE-HARD THAT WON'T

CHICAGO TIMES

Newsletter of the Chicago TI-99/44 Users Group

New Year... New President.. New Hopes New Dreams.

The TI Lives for as long as we want!!!

December 1992

Ti flight 99 now arriving. What will baby new year bring us?

Start the new year off right. Attend the meeting Jan. Come meet your newly elected officers. Plenty of food and drinks. Fun for the whole family.

:agos TI9 .x 758341 7199 /4A COMPUTER :

USERS

GROUP

er Pear: 29863 75229

CLAGO FIRST DLAGS FIRST OLA:

r.o.go Chicago 60657

December

THE PREZ SEZ ... 1997

Hell, here we are in December, and we have gotten almost all the way through another year. All things considered, it was a pretty good year for the Chicago TI Users Group. The highlight of the year was undoubtly the 10th Chicago TI International World Faire. I'd like to take a few moments to discuss the faire, and to thank those people who helped bring the whole thing off.

On the morning of the Faire, there is a lot of hustle and bustle, and the vendors move their wares into the area where they will be displayed. Without the help of volunteers who help to bring things in and arrange them in the vendors' areas, no one would be ready to go when the show opens at 9 a.m. Special thenks to those who showed up well before 7 a,m., including Emil Biedron, David Green, Al Antonowitz, Jim Deards, Mike Polonsky, and Keith Nicolai. Many of them had to get up before dawn to be at the Faire on time.

Many who came to work also stayed all day. Dave Connery ran the Group's TI library, which was busy all day. Vic Steerup helped out there as well. Jim Baird, resplendent in his kilt, ran the Geneve library. George Lempeotis not only ran the DOS library, but sold manuals and manned the announcement microphone too. Jim Deards and Nick Iacovelli also helped.

Out in the hall, not quite as remote as last year, but too busy to be lonely, Jim Brooks, Ken Knapp and Irv Levinson manned the Membership table. When they were able to escape for a few moments, they were often intercepted and assigned to occupy the admissions table, along with June Smith, Vic Steerup, Al Antonowitz, David Green, Emil Riedron, Deems Jensen, Almot Shanafield, and almost anyone else who was not too slow to run away!

thanks for a job well. A show this size depends on a lot of people to be a success, and by all accounts it was. Thanks to the friendly relationship we have built up with the Holiday Inn Elk Grove personnel, there were no problems with any of the rooms or facilities that were not quickly and satisfactorily ironed out. And not only did Claudette Conway and Tondalaya Thomas give us thoroughly professional service, but they each attended the faire, and each bought a II system! That's above and beyond the call of duty, and we welcome them to the II community. I think the Chicago II International World Faire has found a fine permanent home.

At the Banquet following the conclusion of the Faire we presented the annual CTIUS Grant B. Schmalgemeier Service Award. This year's recipients were Bob Demeter, our former librarian and former newsletter editor, and Tony Zlotorzynski, our present programming contest chairman and newsletter editor. Both awards were richly deserved. Thanks go to Ernie Pergrem for handling all the details of having the plaques made. The John Birdwell Memorial Prize was awarded to Laura Burns and John Koloen, editor and publisher, respectively, of &MICROpendium, the single national journal which serves the II community. The plaque was presented to John by Kathy and Kelley Birdwell, on behalf of the Trustees of the Birdwell Memorial Fund.

The Banquet also featured a Costume Contest, won by Ken Gilliland. A number of prizes were given out during the Fairs and the Banquet. These prizes were donated by Asgard Software, Bud Mills Services/Hestern Herizon Technologies, Harrison Software, D. Wright Stuff, the Hoosier Users Group, Notung Software, Hindy City 99ers, MS Express, and the C11UG. We thank all of our donors very much.

I would like to take the opportunity to thank all the people who called and wrote to express thanks and suggestions for fature faires. Special thanks go to Sr. Pat laylor, BVM, who also offered prayers for our whole undertaking, and whose inspirational letter 1 quoted in part, in the faire program. One of the few regrets I have is that, once again, we were unable to sell her daisy-wheel printer for her!

If I have any other regrets, they are only that some of our friends could not attend this year. One friend in particular whom I missed was Grant Schmalgemeier, who died suddenly last february. Grant was one of our founders, and a

good friend.

Some of our vendors had to pass up the show this year for financial reasons, one had family health problems, and one just plain didn't show up! But some new companies showed up this year, and some of our usual vendors needed extra space, so we actually ended with more tables than usual. If everyone that had asked for space actually ended up taking it, we would have had to hold part of the show in the kitchen!

Some of our attendees came from a great distance to visit us. Berry Harmsen came from Holland, and Gerd Heissmann came from Germany to be at the faire. A number of others wrote asking for information, but uncertain airline fares probably hurt overseas attendance.

Our speakers this year covered a lot of ground, and discussed topics which had a broad range of interest. Unfortunately, they only had a limited time to speak, and most were very understanding about that. Mark Van Coppenolle, Rich Gilbertson, Mike Mright, Bud Mills, Bon O'Neill, Charles Good, Beery Miller, Bruce Harrison, Mike Maksimik, Ken Gilliland, Chris Bobbitt, Berry Harmsen, and Don Walden all shared some of their insights into the world of TI with us. A lot of people saw a lot of the seminars, but, as usual, I was not one of them. In Chicago, we have a saying that applies, "Wait til next vear!" Thanks to all our speakers.

This was my third, and last, time as chairman of the Chicago II International World Faire. It has been hectic. During this period we have changed the name, changed hotels, and this year we even changed the month. Each time we made a change we hoped that it would be for the better, and so far we have been fortunate. The date change was dictated by the circumstance of the hotel being seld out on the date we wanted, but it lent us a nice Halloween theme for the Banquet. The overall motto of this year's faire, "The Penaissance of the TI 99/4A," was borne out by the renewed enthusiasm displayed by the programmers, hardware specialists, and users with whom I spoke auring the weekend. I think the future modes well for us, if even only half the projects and products discussed come to fruition.

Next year's faire will be in the capable hands of Jim Deards, who volunteered to take over the important job of Chairman. He will need the same kind of loyal help that I have enjoyed these past three years, and I am sure that he will get it.

The December meeting marks the end of my term as President of the Chicago II Users Group. During the past two years I have been very lucky to have had the help and support of a number people who have given freely of their time, and sometimes their money, to make this organization as strong and stable as it is today.

First of all, I would like to thank the other elected board members: Don Walden, our V.P., Irv Levinson, our Treasurer, and Vic Steerup, our Secretary. They have put in many long hours, attended board meetings, and have done many things behind the scenes to keep us going through some hard times. Our appointed officers have also made a very valuable contribution to our well-being. Our three Librarians, Dave Connery, Jim Baird, and George Lempeotis have the formidable task of keeping thousands of programs available for our use. Jim Brooks, our Membership Chairman, has been through some rough times himself, healthwise, this past year, but through it all, he has never failed us. When our newsletter editor of many years, Bob Demeter, had to step down. Tony Zlotorzynski volunteered to assume the burden. Al

AL Antonowitz has volunteered to actually do the printing of the newsletter, which includes the copying, collating, folding, stepling, labeling, stamping, and mailing of our newsletter, about a Anthour job. Jim Brooks also helps Al with this. Whenever someone asks for a back issue, or orders a manual, or even sends us a letter, Jim Deards is the man who handles the task. Those who call our BBS see the changes and enhancements wrought by pur Sysop, Mike Maksimik. All these people, and more, have done their jobs without a lot of Findare, and they have done well. I thank them all for having made my tenure much easier.

There are probably many more people that I could and should thank, and I approprize if I haven't done so. I can't forget thank some people who have been with me throughout the past years, putting up with me when I had to miss tamily things in order to live to to my commitment to this organization. I am speaking about my wife and our three kids, Harold, Margaret, and John. They have been willing to help every time the need arose, and that has been more often than you might imagine.

And that about brings me to the end of my last PREZ SEZ... column. It has been a long one, I know, but I hope you will bear with me a little longer. In the past two years that I have been writing this I have tried to provide an overview of the CTIU6, nothing more. I couldn't write a technical article if I tried, and I have never tried. What I have tried to do is to give everyone in the II community who reads this a sense of what we are doing in the Chicago II User Group. It is too easy, these days, to get the feeling that the world of II is shrinking down to only a few programmers and hardware hackers, but I have always felt that the guy who doesn't understand all the jargon, but who still uses and enjoys his II is still important. Whether I have accomplished my objective is pretty much up to the individual reader. Despite the fact I am not going to be writing a regular piece for this newsletter, I will still be around. I will continue to be the Cassette Librarian, and will fill orders for tapes. I have no intention of buying any other computer because I am perfectly satisfied with my little black-and-silver machine.

As soon as the DSR for the SCSI card I bought at the Faire arrives I will finally upgrade to a hard drive, but until them I am happy with my pure II system. I think the future looks bright for us.

It looks good for us, that is, if you are one of us. This is that time of year when most of our memberships are due for renewal. It is easy to put off renewing, especially when it means sending a letter through the mails, and writing a check to boot. But think about this for a second: without you, there IS so Group! Each of us represents one of an endangered species. If we stick together we can survive and thrive. Separately, we have little chance to continue existing. We need each other. He cannot continue to run a BBS and publish a newsietter without the contributions of all our members. A group, no matter how dedicated, needs a certain size, a "critical mass" to keep going. Take a moment to write a check for 2! bucks, and drop it in the mail to us, 9TTN: Jim Brooks. You'll be glad to get it out of the way before the Christmas rush.

About all that now remains is to remind everyone that the December meeting is the swap meet and the time for elections. Both are important for the Group. If you can make it, come to the meeting. See you there!



IMPRESSIONS OF THE 1952 CHICAGO TI INTERNATIONAL WORLD FAIRE. by Charles Good Lima Ohio User Group

I am writing this article for the Chicago TIMES to express my appreciation for all that happened at the 10th annual Chicago International World Faire. As the person who has been in charge of organizing the annual Lima MUG Conference since 1988 I am in a unique position to appreciate the organizational effort required for the well polished Chicago faire. 1 thoroughly enjoyed myself at the October 30/31 event, mainly because I didn't have any responsibilities. can attend the events, wander around the exhibits talk to people, and (unlike Lima) not have to worry about keeping things running smoothly.



The TI Community and the Chicago User Group in particular owe a very large debt of gratitude to Hal Shanafield for overseeing the whole thing writing most of the multi page printed program given to all faire attendees, and personally dealing with most of the hassles. Poor Hal sat all day at the ticket table collecting money He didn't really have any time to view the exhibits or to attend the seminars. He had to worry about vendors and speakers who on short notice didn't show up and may not have paid in advance for their exhibit room tables. Would he sell enough tickets to the Saturday evening banquet to meet his commitment to the catering service. He had to arrange for seminar room equipment and possible failures of this equipment. (Arrangements for a large projection TV to be used in the seminar room fell through at the last moment, so we all had to put up with one 15 inch monitor sitting on a low table in such a way that few in the seminar room could see it.). He had the unplesant and delicate task of encouraging seminar speakers to STOP TALKING when their time was up so the next speaker could begin. Thanks Hal and thanks Chicago User Group! I hope that when you come to the next Lima MUG conference on May 14/15 1993 you enjoy yourselves. Then it will be my turn to deal with all the hassles.

Since I was the only person from the Lima area to attend, I am unable to report on all the seminars or list all the notables who attended. I couldn't be everywhere seeing averything. Some notable highlights in no particular order:

ora, Mask

--CHEAF USED EQUIPMENT: I picked up for a new TI user not able to attend the faire an entire system (console, PE Box, 32K, TI controller, SSSD drive) for \$125. For myself I obtained a 13 inch composite color monitor for \$85 and a stand alone SSSD drive in a box with power supply for \$5.

--SCSI card: Not yet available. The printed circuit boards and empty labeled boxes were there, but the product is not yet quite ready.

--HORIZON 4000: This was available, complete with plug in 512k chips. You can build one up to 8Meg with just one layer of these socketed 512k chips, although "only" 4 Meg can be used as ramdisk memory with available 8.14 ROS software.

--ASGARD MEMORY SYSTEM: It was there for sale, but I don't think any were sold. There is as yet NO SOFTWARE designed to run on the thing. Chris Bobbitt says the software will appear since it will take "about 15 minutes of programming time and a dozen lines of assembly code" to adapt many existing EAS assembly PROGRAM software to use the extra memory. I am going to wait for the software.

--TI EMULATOR-ON-A-PC PROJECT. This PC software programming effort was demonstrated by Mike Wright, and you could actually purchase the software in its current state of development. Right now there is no IO except from the keyboard. Most "type in" extended basic software will work with the emunation software completed so far. Mike seemed pessimestic about the chances of attacting enough interset on the part of the TI community to make continuing the project worth while. Much programming still needs to be done. He wants lots of people to send him a dollar (not fewer people sending him several dollars) to get a sense of of the potential market for this software.

--BACK ROOM DEALINGS: In hotel bedrooms small groups of Tiers met to discuss common interests. To me personally two VERY significant things were shown in one of these small groups: (Additional information will be published in the Lina newsletter.) 1-- MAJOR ADVANCES IN CC40 PROGRAMMING are now possible. All CC40 modules. including the vary very rare Memo' Processor II and Ed:tor/Assembler modules, have been dumped to disk and optimizd for increased speed. These modules can now be run from a battery backed module similar to a super cart, or can be cloned by burning eproms and putting them in CC40 cartridges. 2-- The long lost official TI "Teach Yourself 9900 Assembly Language" (not the exact title) was discovered on the bottom of a pile of stuff at one of the dealer's tables. This package, published by TI in 1976, includes about 15 audio tapes keyed to 200 pages of charts and diagrams. Efforts are being made to find out if this package can still be purchased from TI or otherwise made available to interested members of our community.



AL Antonouists (The Printer.)

This is your BETTER LATE THEN DEAD NEWS LETTER EDITOR ... Hell, What do you want ? Ya might want yer news on time . Aint that right ? oh, well. I'll have to be straight for a bit.. Sorry guys & gals. I had no control of it. I came to close to the BIG GLITCH, YOU KNOW ! ALMOST GOT MY MAIN HIRE UN-PLUGED! You almost got a diffrent editor. ENOUGHT OF THAT. I'M STILL HERE. I'M NOT DEAD. AND THE NEWSLETTER IS A COMEING TO YOU LATE. TUFF STUFF IF YOU DON'T LIKE IT. SHITSHI ! This has got to be a SMALL newsletter. (DECEMBER) MARRY CHRISTMAS YA-ALL / forgat : HAPPY THANKSGIVEN / GET STUFFED / OK . OK / HAPPY NEW-YEARS.... I MADE IT TO THE FAIRE, GOT LOTS OF FILES AND

I MADE IT TO THE FAIRE, GOT LOTS OF FILES AND PHOTOS. Got some great photos from GAR! COX.

GOT THE PHOTOS BACK IN NOVEMBER 1992.

Thats when I got sick too.

No, The faire did not get me sick. It was a great [I-FAIREN! In fact, I got to meet some great people there. But what I didn't get to do was to listen to all of the talkers over in te other room. See, I didn't have any extratime. I tried being a vendor that time. HHAT! I didn't get any kind of real money. But, it was lots of fun. Got a good chance to get some of the extra computer junk out of the house. It didn't help any. I still can't move in this computer room...

OH YEA, !! THANKS TO THE PERSON WHO CALLED ME WHEN I HAS IN THE HOSPITAL. SORRY THAT I HAS GETTING A SHOT AT THAT TIME AND COULDN'T TALK.

TOWY Z. editor !

p.s. I DID MISS THE DECEMBER MEETING. 80! I DO NOT KNOW WHAT MENT ON THERE.

editors note;

This hot one came in . ya better have your JOY-STICKS READY if you type it in.

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~3EA
 4 CALL CLEAR
 6 PRINT "
            SEX": : : : : : : : grab your
  JOY-STICKS": : : : :
 8 CALL SCREEN(12)
 10 S#="0103070F10000000"
 12 SALL CHAR(97,"0103070F1F3F7FFF")
 14 CALL CHAR(99,"FFFFFFFFFFFFFFF")
 16 SALL CHAR(98,"0103070F1F3F7FFF")
 18 CALL CHAR(101,"0103070F1F3F7FFF")
 20 SALL CHAR(103, "FFFFFFFFFFFFFFFF")
 22 CALL CHAR(102,"0103070F1F3F7FFF")
 24 CALL CHAR(96,3*)
 26 CALL CHAR(100,S#)
 28 CALL CLEAR
 30 CALL SFRITE(#1,96,7,118,108)
 32 CALL SPRITE(#2,100,3,144,162)
 34 CALL JOYST(1,X,Y)
 36 CALL JOYST(2.8X.YY)
 38 CALL MOTION(#!,+1-Y-D/878, K-2)
40 CALL MOTION(#2,+1-YY-D/877,-XX+2)
 42 CALL MAGNIFY(1)
 44 EALL COINC(#1,#2,8,6)
 #6 RISPLAY AT(24,24):C
 48 DISPLAY AT(22,22):D
50 CALL DISTANCE(#1,#2,D)
52 CALL SOUND(1,122+D/7,1)
-54 IF D>5500 THEN 76
- 56 1F D<20 THEN 64
58 IF D>555 THEN 70
60 DISPLAY AT(D,D)SIZE(3):"SEX"
62 6070 34
64 CALL MASHIFY(2)
66 0=0+1 :: IF Q)5 THEN 82
68 6070 34
70 CALL MAGNIFY(3)
72 DISPLAY AT(D,D)SIZE(3);"sEx"
74 6010 34
76 CALL MAGNIFY(4):: DISPLAY AT(D.D):" HORK"
77 FOR 0=1 TO 44 :: NEXT O
78 CALL CLEAR
80 6070 34
32 FOR P=3 TO 24 :: DISPLAY AT(P,P):" KIDS"
 :: CALL 3PRITE(#P,46,3+P/2,120+P.120
+P,P,P):: CALL SCUND(-400/P,1888+20*P.1)
   :: NEXT P
84 FOR MP=1 TO 666 :: NEXT MP :: Q=0
86 FOR P=3 TO 21 :: CALL DELSPRITE(#P):: HEXT P
```

88 GOTO 34

December issue | [00]

MEMBERSHIP NEWS AND VIEWS

BY JAMES BROOKS

Hello there all of you TI'ers. Now that the INTERNATIONAL WORLD FAIRE is passed, we must get back to the nitty gritty, Membership Renewal Time.

There were many renewals taken at the faire and most of them were given their new cards. A few that renewed forgot to return and pick them up so they may be attached in this Newsletter. There was a lot of old members showing up at the Faire and renewing after they had "FOREOTTEN" to renew last year.

There were a few new things going on at the faire (although I did not get to any of the seminars due to my job). Beery Miller (9640 NEHS) has bought out Myarc's "MDOS" and had the latest update on it. I am led to understand that there will be further improvements in the near future. Bon Halden (now CECURE ELECTRIHICS INC.) has taken over future repairs of Myarc hardware (and he does Great Hork at a moderate cost and fast turn-around). Look to hear more about these two upcoming individuals.

Now that time of year is here for renewals. All members are encouraged to renew by January 10, 1993. That is the date that the Newsletter articles are due for the February issue. The labels for all of the current members are also printed and sent to the editor so as to count the numbers of newsletters to have printed. If there is no month printed behind your membership number line, your membership expires DECEMBER 31, 1992.

Our Sysop is in the process of upgrading the BBS. At times you may call and not be able to get online while this is going on. Please have patience and call again later or next day. Betting an upgraded BBS is not something that can be done in a couple of hours. There are test runs and debugging to be some for each area until they all work as intended. Remember the number is now (708)862-0182...44

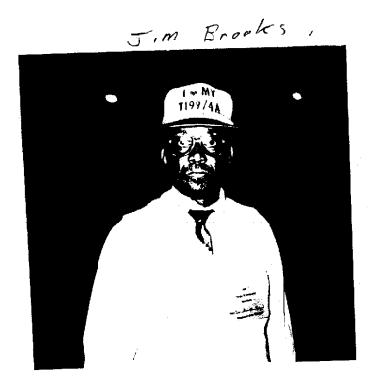
Heli that about covers it for this month, Thanks to all of the members who renewed at the Faire. The December meeting, December 5th, is the "SHAP MEETING" where you can swap your unused hardware for someone else's unused hardware.

Oh, BTH, any member who has renewed and I do not have you recorded as "up to date", please bring it to my attention. Since I was not at many of the meetings, I may have missed a few that signed up there that I am not aware of.

TIME, TO RENEW TIME TO RENEW TIME TO RENEW TIME TO

P.S. :: editors note ::

DUE TO THE FACT / IT SEEMS LIKE I HAS NOT THE DHLY ONE OUT SICK. JIM WENT TO THE HOSPITEL TOO. YE MISTED OUT ON THE DEC. MEETING..
OH, SHITSKI / GOT TO CALL VIC NOH, HE HILL NEED THE STUFF FROM HIM TELLING US-ALL HHAT HENT ON IN THE MEETINGS /////



The Executive Board Meeting of December 5th, 1992 started at 11:18 A.M.

ATTEMBING - A printed agenda of the meeting was passed out to attending members, consisting of donnery, and Don Walden.

MINUTES - The Minutes of the October 3rd, 1992 Meeting were approved as printed in the November Newsletter.

TREASURER'S REPORT - IN LEVINSON -

Irv was not present, so the President summarized it in his report.

PRESIDENT'S REPORT - Ha! Shanafield -

A) FINAL FRIRE REPORT - The faire was very successful. He received evaluations mailed in, from Vendors and persons attending, giving the faire high marks overall. Some Vendors who were missed were Gary Bowser of OPA, Barry Traver of Genial Traveler, and Disk'n Dat, a generic computer supply store (paper, disks, etc.) We hope to see them all next year.

Jim Brooks arrived at 11:23 A.M.

The Faire was financially successful, too, despite some Vendors canceling at the last minute for verious reasons. Jim Deards is now the new faire Chairman. The President thanked those who helped out.

B) NEHSLETTER EDITOR - Tony Z. has been in the hospital with a ruptured appendix for a couple of weeks. Other Members will be helping out with the December and January Newsletters.

C) MICROPENDIUM - We have a bulk subscription of Micropendium, and sell them at a discount at the Meetings, but have too many left over. It was discussed if Members would subscribe though the Club, and pick them up at the Meetings. The advantage would be that the cost would be less than individual subscriptions, and the magazine would be in good condition, as bulk is shipped in a sturdy box. The disadvantages are having to go to the Meeting to pick it up, and the two-three month wait for the Summer issues, as we don't have Meetings then. It was decided to ask the Members to see if there would be enough orders to do this. If you own a T.I., you should have a subscription to the only 99/48 and 9640 magazine being published. If you need any back issues, we have many available.

Nick lacovelli arrived at 11:40 A.M.

D) SCHMALGEMEIER AHARDS — The Grant B.
Schmalgemeier Outstending Service Awards were presented at the Banquet to former Newsletter Editor Bob Demeter and our current Editor Tony Ziotorzynski. Bob was not there, and will be given his award at the next Meeting. A smiling and happy Tony Z. accepted his award, then at first said his name was misspelled! The President put his hand to his forehead and shook his head in dismay, until Tony later corrected himself, (possitly after consulting his driver's license), saying the spelling was correct...

E) ELECTIONS - The Board Elections are today, and ballots will be handed out to all paid-up Members attending the General Meeting. All mailed-in ballots that have been received will be included in the tally.

f) POSTAL METER — It is near the end of the contract on the Meter, and the Board discussed the advantages and disadvantages having it. The advantage is quickly printing postage on the Newsletters, especially for out-of-country and overseas, versus attaching stamps by hand. The disadvantages being the cost of rental, and taking the Meter to an inconvienent loacation to have it refilled. He have had too much trouble with the Postmaster there in trying to get the meter's registered location changed. Dave Connerey moved, and Don Walden seconded, turning the meter in. It was passed by the Board. He will continue to use it until all of the prepaid postage is used up.

Jim Deards arrived at 11:50 A.M.

COMMITTEE REPORTS

EVENTS - Mike Maksimick - Today's Event is the Swap Meet, after the Elections.

MEMBERSHIP - Jim Brooks - He received 47 renewals, and 5 new members at the faire, and 2 renewals in the mail. Be sure to check your Newsletter for your Membership expiration date, and renew. Also, try to get other I.I. users to join. He got two new members who work at the hotel the faire was held at!

LIBRARY - Nave Connery - The Library needed many blank disks to put Fairware on for sale at the fairs. The Librarian purchased these out-of-pocket. George Lempeotis moved, and Don Walden seconded, reimbursing the Librarian for this purchase. It was passed by the Board.

EQUIPMENT — Dave Connery — Members who donated equipment for use at the Faire were credited, and their names given to the Membership Chairman. Next year we will have printed forms for donating Members to fill out for registration. Remember, you can get a year's membership renewal for your loaning computer eapt. for the faire.

NEWSLETTER - Tony Zlotorzypski -

- A) DECEMBER ISSUE Tony is still in the hospital, and the Dec. issue will be late.
- B) ARTICLES AND DEADLINE The new Deadline is now I week from the last Meeting.

BULLITEN BOARD - Mike Maksimik -

- A) HOT LINE The Hot Line is now the secondary device on the automatic modem, with the BBS being the first to answer, listening for a carrier tone. This will make logging-on easier, especially for those who didn't know the new way, as the 3 commas and 44 are no longer needed.
- B) NEW BBS We are now useing the BBS software written by the Milwaukee's User Group lim Tesch. Mike is rewriting the code to customize it for our use, so, expect it to evolve.

George Lempeotis arrived at 12:14 P.M.

OLD BUSINESS -

A) MEETING SITE SEARCH - The cost of renting our meeting room is our third largest expense, after printing the Newsletter, and mailing it. The Board is looking at examining another site, prefferably cheaper, although most attending members are used to coming to our present site. If you have any ideas, send your suggustion to any member of the Board.

Don Jones arrived at 12:40 P.M.

The Site Search Committee will meet after General Meetings, and make its report to the Board at the March Meeting.

B) DOS LIBRARY - This is the anniversary date of the creation of the BOS Library. Last year, it was voted to keep it only one year, to see if it would benifit the Chicago T.I. Users Group. Bon Halden moved and Dave Connery seconded keeping it another year, after which it would be discontinued, unless renewed by the Board. It was passed by the Board.

NEW BUSINESS - The Hewsletter Publisher asked for a long-arm stapler, and staples, for putting the center staples in the Newsletter. Dave Connery moved, and George Lempeotis seconded, purchasing these items. It was approved by the Board.

The Board adjourned at 12:59 P.M.

GENERAL MEETING - The President made his report to the attending Members. Next year's Faire will be held the weekend of Kovember 13th., at the same location, the Elk Grove Holiday Inn. The attending Members were polled to determine if we should continue our bulk subscription to Micropendium. Although most already subscribe, few wanted to pick it up at Meetings, preferring to get it directly at home. The President then read a letter from Sr. Pat Taylor, SVM. She is an avid I.I. user, active in helping the handicapped using T.I., and thanked us for all our help and donations. Mike Polonski moved, and several persons seconded, donating the software that was purchased and donated for producing our three Encyclopaedias of Graphics and Fonts. It was passed by the attending Members. Dave Connery resterated that you can get FREE software from our Litrary if you write a review of it for the Newsletter! Contact Dave for details. The Programming Contest deadline is the April Meeting. Don Jones gave a short campaign speech. President Hal Shanafield thanked the Members for letting him be President these past two years.

ELECTIONS - Members lined up at the Membership table for ballots, and the Election was held. The results were: Don Halden was unanimously voted as the new President. Don Jones is the new Vice-resident. Irv Levinson and Victor Steerup retained their positions as Treasurer and Secretary, respectivly. The new President gave a short speech of acceptance, and anounced the direction he wanted the club to go.

A rather surprized Rob Demeter jubulantly accepted his Schmalgemeier Award. Apparantly he hadn't heard that he was announce as a receipient to the Members.

The next Meeting date is Jan. 9th, with the Board Meeting starting at 12:00 noon, and the General Meeting at 1:00 P.M.

The General Mesting edjourned at 2:50 P.M.

Minutes respectfully submitted by Victor Steerup, Secretary.

Editors Note: I said This is Late. Jung

Protection Schemes By Ward ter

The TI proprietary protection scheme simply wrote an upper case P at a certain byte. UALFHA P is ASCII hex 50. Using a sector editor simply change the >50 to >20.>20 is decimal 32 which is the space character. Do this for all of your files. Now they are all unprotected. I am assuming some familiarity with a sector editor. Old hands will know that you have to write the changes back to disk to make them permanet. Extended Basic protection is just about as simple. It usually consists of adding eight to the file type byte in the FDR. Sometimes you may have to XOR words 2 and 4. So simply subtract eight from the file type byte and your program should be unprotected.

The next protection scheme I would like to discuss is about as simple as writing P. This type of protection uses a program which can detect bad sectors. It depends on only initializeing a certain number of tracks. Let us say you have a disk manager such as CorComp's which will allow to initialize a certain number of tracks.

As I said the program looks for bad sectors. Let us say you initialized eight tracks SSSD. 8*9=76. The program checks sector 76 and if it is good returns you to the title screen. Why 76? Remember when counting in "computer" you usually start at 0. So if you initialized 8 tracks your last good sector would be 75.

Another method which was once widely used until everyone caught on was the spiral sector. In this scheme not all of the bytes which should be written to sector 0 are written to sector 0. Let us say you break this sector up into eight byte blocks. 256/8 = 32 so your last 8 byte block will be written to sector 31. Why not 32? Remember we start counting at C. It is called a spiral sector because of the pattern formed as it moves inward towards 31. Meanwhile 31 is moving outward in the same pattern and so on. Of course once copier programs were written which could copy spiral sectors authors and publishers quit using them.

Another scheme which has had some success is to zero out sectors 0 and 1. Some authors also zero out the byte count for each line of an Extended Basic program which lets it run but makes it unlistable. Of course once again when programs were developed which could restore the byte count and sectors 0 and 1 they were forced to try other schemes. One is tell a track editor the sectors are IBM type sectors with 512 bytes per sector. Another is to tell it there are no sectors on this track when the track actually has sectors on it. Another is to misnumber sectors and tracks so that we have sector 2000 on track 400 when it is actually sector one on track 0. Almost \mathcal{C}^0 anyone can come up with some kind of protection scheme. The real fun lies in writing a short program which in effect tells the FDC that everything is allMy stinking thinking, from TONY Z...

Sttting and drifting back in time.

I have been with my TOY99 for a few years.

It's been great! Many new and old friends are still around. Some have pasted on in time and place. I have came to close to death myself this last time. In the last issue, I did say,

"THE TIME IS NOW.

IT'S THERE NOW.

IT WON'T BE THERE FOREVER!"

Well, Enjoy what you got now!

I know dam well that I will.

I STILL LOVE MY TOY99.

TONY Z. (EDITOR)

P.S. Sorry Were So Late.

right. Another interesting little tidbit. I once examined a protected disk with a track editor and found the names and addresses of three people written in the tracks througout the disk. Needless to say the disk would not boot or if force booted would not run unless the names and addresses were there. Fortunately I had a track copier which could copy the names so I was able to make my backup copy.

Ultimately all these schemes fail because at some point the card has to be able to read the disk. How many possible protection schemes are really possible? Since TI decided to follow .IBM's lead in this matter there are exactly 34. Another gem. Tell the backup program that the tracks are alternating single and double density!

Thanks Watter!