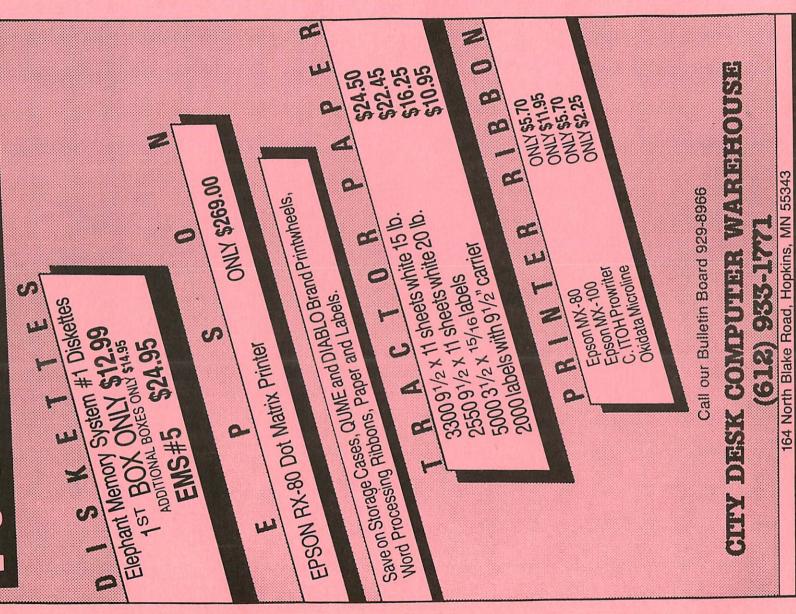


| | | | VOLUME VIII No 3 MARCH 1985 |
|---|-------------------------------------|--|---|
| WHICH | WHEN | WHERE | WHAT |
| St. Paul Branch Note 3 | Tue Mar 5 7pm-10pm | Mahtomedi Fire House Hallam & Stillwater | |
| Pascal & Apple /// Note 1 | Wed Mar 6 7:30pm | Minnesota Federal 9th Ave. S., Hopkins | Chase Allen on Hayes MicroModem //e driver. |
| Geneology Club Note 11 | Sun Feb 10 2:00pm | Minnesota Historical Society Library, St Paul | |
| Dakota County Branch Note 7 | Tue Mar 12 7pm-10pm | St. John Neumann Church 4030 Pilot Knob Rd, Eagan | |
| Board Meeting Note 2 | Wed Mar 13 7:30 pm | Minn Federal of Roseville Lexington & Larpenteur | Nominations for 1985-86 officers. All members are welcome! |
| Computers in Medicine Note 13 | Wed Mar 13 7.00pm | Health Associates Ctr. 2221 University SE, Rm 115 | |
| Business SIG Note 10 | Thu Mar 14 7:30 pm | St Paul Central High School Lexington & Marshall | Small Application for the busy exec by Erik Carlson |
| St Cloud Branch Note 15 | Thu Mar 14 7:30pm | Walte Park City Hall 5th Ave & 3rd St N. | o, Elik da rison |
| MacSIG Non Tech Users New Group! | Mon Mar 18 6:30pm | Hennepin Cty Library, Sidale 7001 York Ave. South. | Product Reviews Contact Vicke Lettmann (922-5659) |
| REGULAR MINI'APP'LES Note 5 Map inside | WEDNESDAY March 20th 7:30 pm. | UNIVERSITY MINNESOTA - ST. PAUL Student Ctr., Buford Ave. | Nominations for 1985-86 officers. Representative from METRO-NET See announcements |
| Education SIG | Wed Mar 20 | After Regular Mtg. | - Note 12. |
| Investment SIG Note 4 | Thu Mar 21 7-9:30pm | Henn Cty L1b at Southdale 7001 York Ave S. | Russ Kirby Demonstrates \$oftware |
| MacIntosh SIG Note 9 | Mon Mar 25 6:30/7pm | Hennepin Cty Lib, Southdale 7001 York, Edina. | Bill Engel on Mac Hard Drives and Paul Howe on MicroSoft Chart. |
| New Hope Branch Note 16 | Tue Mar 26 7:00pm | Rockford Rd Library New Hope | radi iono di Prici dadi i dia i . |
| Minnetonka Branch Note 8 | Wed Mar 27 7:30pm | Glen Lake Community Ctr 14300 Excelsion Blvd room E | Jim Hanson will demo Apple][version of Omnis III. |
| St. Paul Branch | Tue Apr 2 | Mahtomedi Fire House | Note 3 |
| Dakota County | Tue Apr 9 | St. John Neumann Church | Note 7 |
| Pascal & Apple /// | Wed Apr 10 | Minnesota Federal | Note 1 - How to use System Library. |
| Business SIG | Thu Apr 11 | St. Paul Cental High School | Note 10 |
| St Cloud Branch | Thu Apr 11 | Waite Park City Hall | Note 15 |
| Geneology CLUB Note 11 | Sun Apr 14 2:00pm | Minnesota Historical Society Library St Paul MN | |
| REGULAR MINI'APP'LES Note 5 Map next month | WEDNESDAY April 17th | Oak Grove Junior High School 1300 W. 106th. Street Bloomington | Election of 1985-86 officers. New Meeting Format, see announcements |
| Investment SIG | Thu Apr 18 | See Apr newsletter for info | Meeting in doubt pending a site |
| MacIntosh SIG | Mon Apr 22 | PCA Building, Roseville? | Scott Olson on bar codes - Note 9 |
| New Hope Branch | Tue Apr 23 | Rockford Rd Library | AppleWorks Demo |
| Minnetonka Branch | Wed Apr 24 | Glen Lake Community Ctr | Swap night - Note 8 |
| 2. Dave Laden | Mark Abbott Dan Buchler Bob Pfaff | 8. Dick Peterson 11. B 9. Mike Carlson 12. J | 3111 DeCoursey 14. Steve George lane Chatterjee 15. Frank M. Ringsmuth Stewart Haight 16. Jere Kauffman |



-2-



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| 103 SmartCat 300Bd Smart 15 | 9 |
| 103/212 Smart 300/1200Bd 37 | 9 |
| Applecat II 300 baud for Apple 22 | 5 |
| 212 Applecat 300/1200Bd | |
| for Apple | 0 |
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| Multimodem Ile 19 | 9 |
| ZOOM | |
| Networker-Netmaster combo 13 | 5 |
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| CLK, GAME) | 239 |
| Ast 6 Pack (w/64K) | 259 |
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| with 512K | 279 |

MONITORS

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| 300A 12" amber 155 |
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| ZVM-122 12" amber |
| ZVM-123 12" green 115 |
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| Dinaldana | oard Members | | | | |
| President | David E. Laden | 488-6774 | This is the Newsletter of | Mini'app'les, the Min | nesota Annie Computer |
| | 1215 W. Laurie Rd, | | Users' Group, Inc., a Mi | nnesota non-profit club | Articles may be m |
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| Past President | Chase Allen | 431-7278 | copyrighted by author. | | coept where specifically |
| | 15718 Hayes Trail, | | Questions | | |
| | Apple Valley, MN 55124 | | | | |
| Vice-President | Mark Abbott | 854-8304 | Please direct questions to | appropriate board me | mber or officer. |
| | 1905 East 86th St, | 30 1 3504 | Technical questions shou | lid be directed to the T | echnical Director. |
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| | 38 Birnamwood Drive, | 890-3769 | Co-ordinator: Ann Bell | 544-4505 | • |
| | | | 8325 39th Ave | nue N. | |
| Conntame | Burnsville, MN 55337 | | New Hope, | | |
| Secretary | Ken Slingsby | 507/263-3715 | Minnesota, 554 | 127 | • |
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| | Welch, MN 55089 | | ing after letting members | thin expire nov a \$5 ad | lministration for |
| Communication Dir | Dan Buchler | 890-5051 | Members receive a subsc | rintion to this navelet | en and all alub bases |
| Software Director | Pete Gilles | 475-3916 | DOMs and MSDs | ութացությանում newsten | er and an club benefits. |
| Technical Dir. | Hugh Kurtzman | 544-7303 | | | |
| SIG Director 1 | John Schoeppner | 455-8613 | DOMs (Disk of the Mon | th) are available at mee | tings for \$5/disk |
| SIG Director 2 | Dick Marchiafava | 572-9305 | (\$8/MacDOM) or any Do | OM may be ordered by | mail for \$6.00/disk |
| Branch Director | Ron Androff | 452-5230 | (\$9.00/MacDOM). MSI | Os are \$15/disk at meet | ings or \$17.50/disk by |
| | Coordinators | 432-3230 | mail. Send orders to Min | i'app'les at above addr | ess attention DOM |
| | | 0.60.04.45 | Sales. | | |
| Beginners' Consultar | | 869-3447 | Members may have DOM | As copied to their own | media. Contact Chuck |
| Shows and convention | | 935-5775 | Thiesfeld - details within | this newsletter. | |
| Membership Co'tor | Ann Bell | 544-4505 | Dealers | | |
| Spcl Int Apple /// | Joe Horne | 941-3411 | | dorra any enacific dael | ore but does manage |
| Spcl Int Business | Dick Marchiafava | 572-9305 | Mini'app'les does not endorse any specific dealers but does promote | | |
| Spcl Int Education | Jane Chatterjee | 888-9447 | distribution of information which may help club members to identify | | |
| Spcl Int FORTH | Mark Abbott | 854-8304 | the best buys and service. Consequently, the club does participate in | | |
| Spcl Int Handicaps | Steve Lyle | 894-2991 | bulk purchases of media, software, hardware and publications on behalf | | |
| Spcl Int Invest'nt | Eric Holterman | 822-8528 | of its members. | | |
| Spcl Int Macintosh | Mike Carlson | 866-3441 | Newsletter Contri | | |
| Spcl Int Pascal | John Schoeppner | 455-8613 | Please send contributions | on Mac 3 1/2" disks o | r via telecommun- |
| Spel Int Visicale | Mike Carlson | | ications directly to the Ne | | |
| - | | 866-3441 | disks should be sent to the club PO Box, and marked: | | |
| Tech. Adviser (hdw) | Roger Flint | 771-2868 | Newsletter Contribution. | | |
| and the second s | ch Coordinators | | Hard copy binary or text | files are preferred, but | any form will be |
| Dakota County | Bob Pfaff | 452-2541 | gratefully accepted. Dead | lline for publication is: | |
| Minnetonka | Dick Peterson | 473-5846 | of the month preceding th | | |
| New Hope | Jere Kauffman | 535-6745 | | | |
| St. Cloud | Frank Ringsmuth | 253-6032 | An article will be printed | | |
| St. Paul/Mahtomedi | { Fred Woodward | 426-4060 | Newsletter Editor, it cons | stitutes suitable materia | d for publication. |
| | { Jim Schenz | 429-4931 | Advertising | | |
| Liaison (†) - CP/M | Peter Gilles | 475-3916 | Direct Advertising inquir | ies to our co-ordinator | Eric Holterman at: |
| Liaison (†) - Geneolo | | 574-9062 | PO Box 8266 | | |
| Liaison (†) - Medical | Stewart Haight | | Minneapolis, MN 55408 | 612-822-8528 | |
| | | 644-1838 | E-Mail: Source, BBR490; | | |
| | with non-Mini'app'les SIGS | S . | CompuServe, 71445 | | |
| | e Director's Staff | | | , | |
| DOM Sales - Meeting | • | 455-8613 | Newsletter Public | ation Staff | |
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| DOM Editors/Produc | | 475-3916 | | Burnsville, MN 553 | |
| MAC DOM Editor/Pr | | 935-1192 | Assistant NL Editor | Jo Hornung | 922-7665 |
| | | | Contributing Editors | Arsen Darnay | 933-0399 |
| | | | | Steve George | 935-5775 |
| Cient | lation this issue: 2100 | | Composition/Layout | Joan Kistner | |
| СДСС | | | Advertising | Eric Holterman | 822-8528 |
| | | | Mailing Coordinator | Unch Kustzman | |

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Hugh Kurtzman



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Announcements by Club Members

March Regular Meeting

The next regular meeting of Mini'app'les will be held on Wednesday March 20 in the Student Center Theatre on the University of Minnesota St. Paul

Campus.

The program for the evening will feature a representative from METRO-NET. METRO-NET is a free information and advertising data base. The presentation will center on a description of what METRO-NET is, how you can access the system, and what types of information are available. In addition, they will touch on the evolution of the system, and tell you where METRO-NET fits in the overall scheme of bulletin board systems and public information utilities.

It should be an interesting and informative evening.

Investment SIG by Eric Holterman

The next meeting of the Investment SIG will be on Thursday, March 21, at our regular meeting place at the Hennepin County Library near Southdale. The focus of the meeting will be on fundamental analysis. Russ Kirby will demonstrate "Investor's \$oftware" which duplicates the calculations of the Stock Selection Guide put out by The National Association of Investors Corporation. The program runs on Apple][, 48K, 1 drive and requires Applesoft Basic. Cost of the program is \$100.

Dick Marchiafava will demonstrate the SpeeDemon card which increases the speed of the Apple. This should be of value for investment programs that spend a lot of time crunching numbers or

creating graphs.

The March meeting is at the Hennepin County Library at Southdale. We will be in the Helen Young Room. Doors open at 7 PM and the meeting starts at 7:15 PM, adjourning by 9:15 PM. The library is located at 7001 York Avenue South. It is on the east side of the street, across from Target. Plenty of free parking.

As it stands now, the library is not available for a meeting in April and none is scheduled for April at this time. Should the library schedule change, we may set up a meeting which will be announced in the April newsletter.

MacSIG by Dan Buchler

A report by Tom Edwards on the January MacSIG meeting is detailed

elsewhere in this newsletter.

On March 26, MacSIG will return to the Hennepin Southdale Library on York Avenue near Target. The program will feature Bill Engel talking about Mac hard drives and Paul Howe telling us about MicroSoft Chart.

Starting in March, there will be two differently flavored monthly meetings of the MacSIG. The 2nd meeting, is being organized by Vicke Lettmann (922-5659), and is targetted "for the rest of us". The name of this subgroup is (tentatively) the MacSIG NTU (Non Technical Users) The first meeting will be on March 18th at 6:30 in the Hennepin Southdale Library.

The main MacSIG meeting in April will feature Scott Olson on using Bar Codes with the Mac. The meeting will probably be back in Roseville in the PCA building. Check first, or see next

month's announcements.

Business SIG by Dick Marchiafava

A well received demo of AppleWorks was presented by Mr. Ernie Bedor at the first meeting at the St. Paul meeting site. Those at the meeting were very interested in the presentation and found Ernie's uses of AppleWorks and insights valuable. I wish to extend our thanks to Ernie for his presentation which I know he worked on very hard to prepare. Thanks, Ernie!

The Business SIG meetings will be

The Business SIG meetings will be held at a St. Paul location for the rest of our winter and spring schedule. This will give the members in St. Paul and

the northern areas a break.

The St. Paul meeting site is at St. Paul Central High School located on Lexington Avenue at Marshall. That is

just south of I-94.

You may park in the lot next to the building. Enter through the main door which is up the staircase on the Marshall Avenue side of the building. Look for signs directing you to the meeting room. We may have the use of the school computer lab for some of the meetings.

GOTO 7 `-

nnouncements (page ii)

Once again I extend my thanks to Ms. Kathy Leo for making the arrangements for the meeting site and helping to get the first meeting under way!

Meetings start at 7:00 PM with announcements and "Random Access", a question and answer session. The program starts at 7:30 PM. Meetings end at this location at 9:00pm.

Remember, the Business SIG will meet on the Thursday before the main club

meeting from now on!

Up Coming Meetings
March 14th --> Small Applications for
the busy executive. Erik Carlson.
April 11th --> Apples for Large
Corporations.

May 9th --> Manufacturing Inventory

Control on a Micro.

Future --> Corporate Users, MAC/LISA - Connection to a Mainframe

Summer Meeting Schedule

The Business SIG will commence the summer meeting schedule in June. We will gather after the main club meeting for an informal meeting in an adjacent room. Summer schedule dates are June 19, July 17 and August 21st.

FROM THE PRESIDENT'S COMPUTER

Much of the discussion at the February board meeting centered on the club's general meeting format and content. Some of the details still need to be worked out; however, I would like

to share our plans with you.

Meetings will continue

Meetings will continue to alternate between St. Paul (University of Minnesota St. Paul Campus) and Bloomington. Beginning in April and continuing for alternating months, the meeting will consist of a seminar format. Several concurrent sessions planned with an opportunity for members to visit two of the sessions in an This will allow members to evening. gather in smaller groups and demonstrations of hardware and software Watch next months newsletter easier. for details on our first seminar format.

MARCH --> The March meeting, to be held at the U of M St. Paul Campus Student Center Theatre, will begin with an item of business. Candidates for 1985-86 officers will be announced and additional nominations will be accepted from the floor. The program for the

evening will be a presentation by a representative from METRO-NET (see details elsewhere).

APRIL --> Election of officers will be held during the April meeting. This is also the month we will begin our new seminar format.

MAY --> The May meeting will feature a speaker from MECC (Minnesota Educational Computing Corporation) who will talk on past, present, and future happenings at MECC.

JUNE --> The month of June brings a Swap Meet where members will be able to sell or trade hardware and software that has accumulated over the years. Watch the newsletter for more details on the Swap Meet.

In addition, we plan to ask representatives from Apple Computer to come to meetings several times per year to discuss new developments and answer

your questions.

The framework is in place, but now we need to fill in the program with the details. If you would be willing to make a presentation, know someone who could make a presentation, or have ideas for a meeting topic, contact me or one of the other board members. We need input to help plan your meetings. Please let us know what you want and we will try our best to fulfill that request.

HELP WANTED

As mentioned in last months newsletter, we are continually looking for volunteers to fill "staff" and coordinator positions. The response to last months was, request to say the least. underwhelming. At the present time, we have openings that each of you are qualified to fill. Yes, you read that Each of you has some hidden talent or area of expertise and we would like to know what that is.

If you are willing to answer questions on a hardware or software product, programming language, etc. please call Hugh Kurtzman, the club's technical director at 544-7303.

Remember, a user group is a group of people willing to share information with each other. Each of us has something to share just as each of us needs information from time to time.

GOTO 8

Announcements (page iii)

APPLESOFT BASIC SPECIAL INTEREST GROUP

Based on a show of hands at the February general meeting, there seems to be an interest in forming an Applesoft BASIC Special Interest Group. Tom Alexander has volunteered to coordinate this SIG. Please call Tom if you are interested in participating in this SIG. Tom will work with the interested individuals to set up an organizational meeting. He can be reached at 698-8633.

Thanks Tom!

MARCH BOARD MEETING

The next board meeting will be held on Wednesday March 13, 1985 at the Minnesota Federal in Roseville (Lexington and Larpenteur). It is open to all club members. The main item of business will be nomination of officers for 1985-86. If you would be willing to run for office, or know someone who would be a good officer, please contact one of the current board members.

David E. Laden, President

NORTHWEST BRANCH NEWS by Jere Kauffman

demonstration of THE HOME ACCOUNTANT will be presented by club member, Chuck Johnson, at our March 26th meeting. PLEASE NOTE: WE WILL BE MEETING AT THE MINNESOTA FEDERAL SAVINGS & LOAN BUILDING (Cnty.9 by K-Mart): Future topics on our agenda will be a discussion of legal concerns regarding computers, demos of the Koala Pad, joysticks, light pens, etc., and various data baseprograms. All friends in the Northwest suburbs are encouraged to join and participate in our Branch meetings held the fourth Tuesday of each month at 7pm. Watch the Calendar of Events for specific topics and meeting location. Our thanks go to Mr. Daniel Berks from ZIM Computers for his demonstration of Apple Works at our February meeting.

NORTHWEST BRANCH CALENDAR

March 26: Home Accountant

Demonstration

Minnesota Federal Savings

& Loan

Mr. Chuck Johnson

April 23: Discussion of Legal

Concerns

Rockford Road Library

Minnetonka Branch Schedule

March 27th -- Jim Hanson will demo OMNIS III, a relational database for the Apple II series. (Rescheduled from 1/15)

April 24th -- Swap Night!! Bring your hard- and software that you'd like to swap. ORIGINALS only. Also, Branch Officers election night. To get yourself or someone that you feel would make a good candidate onto the 'ballot', or if you have any questions, call Mtka Branch Pres Dick Peterson (473-5846).

PASCAL SIG by Chase Allen

Until John Schoeppner's boss decides to let him lead the Pascal SIG meetings I have accepted that responsibility. As one of my first endeavors I have persuaded the more frequent attendees of our monthly (1st Wednesday) meetings that a more reasonable arrangement is to meet on the 2nd Wednesday of the month. This will start with the April meeting which will be on Wednesday the 10th of April 1985. Same time, same place which is 7:30 PM at the Hopkins Minnesota Federal Savings and Loan. The subject of that meeting will be the System Library, how to use it and build it and why you might want to make use of its facilities. Also on the agenda will be a chance to ask any other questions... "all you wanted to know about Pascal and were afraid to ask".

The meeting for March, in case this gets to you in time, will be as per the present schedule, Wednesday the 6th of

GOTO

Announcements (page iv)

MacSIG Meeting Report (page iv)

The subject of that meeting will be Attach Drivers. At that meeting I will present the work I have done on a driver for the Hayes Micromodem //e. This driver makes use of interrupts to process characters received. Again, this will be an opportunity to explore the mysteries of Pascal. Bring your problems and we'll try to find answers from the assembled persons.

There are several reasons for the shift in the date. The main reason is to an opportunity announcements about the programs in the newsletter, leaving sufficient time for the newsletter to reach you and not have the news be history. Also, the change (approved by the board) will involve a switch with the board meeting to the first Wednesday, which gives the secretary an extra week to prepare data published in the current newsletter. Hope this does inconvenience anybody!



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down to 1/60th second. The questioner was looking for "milliseconds".

* General request made for info on what hard drives and what software really work with the Mac. (Sounds like for review subject presentation at a meeting.)

* Those repeatedly getting an error message (usually ID #2) about their disk bad with older versions MacWrite, are urged to try this fix. Powerup with the disk in the drive, "Option" holding down the "Command" keys before you turn on the power and throughout the first several seconds of initial boot (there's a sound change that signals when its safe to let up on the keys). Wait. If it works, in 2-5 minutes you will have your disk back again, with all files on the desktop. Folders will be lost. If this doesn't work, just re-initialize this disk and use your backup. (What?? No backup? You'll find the hari-kari knife packed in the cedar chest with the burial robe.)

* MacTerminal does not simultaneous receiving of a file and output to the printer. Look for Autotep (on a MacDOM), MockTerminal from MockWare or VersaTerm to provide this

feature.

* One of the MacGroup is looking for someone well versed in the XMODEM protocols to give a hand with some file transfers tutoring \mathbf{or} in idiosyncrasies of the routines.

* Vicki (Sorry I missed your last name) wants to start a MacBeginners group... lead by someone that speaks Volunteers abounded to aid, and sounds like a popular subgroup is about to spring forth.

* The response to the printed circuit mentioned in an newsletter, garnered so much response that they had to turn it over to an outfit called Vision Graphics to manage it.

Wheew!! Ttttthhhat's all, ffffolks!

Newsletter Format

entire newsletter, except advertisements, was created on Macintosh using MicroSoft Word and 2 column "Divisions". Word is a fantastic word processor!



DaisyWheeling A Federal and Minnesota State Tax Model by Arsen Darnay

[Introduction by your Editor - This is a revision of an article by Arsen that originally appeared in the March, 1984, Mini'app'les newsletter. As published the article described a Federal then, model. Arsen quickly added a capability and a DOM available to members. Arsen has upgraded the model for 1984 taxes and that is the version listed herein. cells are in the unfilled columns (B, D, F, H, J and K) immediately to the right of columns describing the items.

Please also see write-up on DOM34, elsewhere in this newsletter. On the DOM is an AppleSoft program which

handles Federal 1040 forms.]

The model is set up for a married filing a joint return. The couple formulas are those used THE Spreadsheet, Version 1. Those of you with other spreadsheets may have to modify the @IF statements LOOKUP routines somewhat, though it should be pretty much the same for VisiCalc, THE Spreadsheet II, IAC Calc, Jazz and MagiCalc, Lotus

MultiPlan users will have to convert alpha columns to numeric columns. A Mac MultiPlan variation on this can be obtained. Call Dan Buchler.

The tax table built in will work ifyou have income below \$1,000,000, not if the income is higher -- but then you

wouldn't need this model anyway.

Inputs required of you are marked, surprisingly enough, as 'Input.' You need only enter values that pertain to your situation, disregard the others, but for the model to work, all the entries must be made or, at the least, a line must be skipped for each entry you don't use.

Since THE Spreadsheet allows variable column lengths, I've shown fairly understandable labels, but those, of

course can be shortened.

In the tables that show the models, the first set of numbers in the left-most column are the spreadsheet column and line numbers. The second set refer to line numbers in the federal schedules.

GOTO 11

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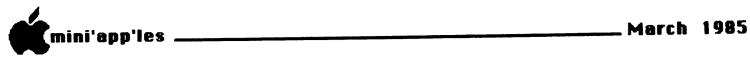
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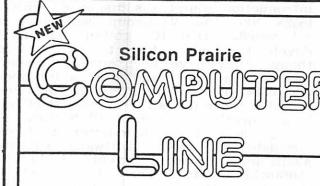
| A Federal and Minn State Tax Model (page ii) A I mour woulds | A For | derel and Minn Stat | o Ton Model (| | |
|--|----------|-----------------------|-----------------------------|-----------------------------|-----------------------------------|
| -SUM(B29,B31) |) IA 11 | INDIT VALUES | e lax model (page 11) | 10221 518/617 621) | [N 0] |
| -SUM(B29,B31) | [A 3] | YOU | [B72] 3400 | [G26] SUM(G17.G21) | ((M7=N7)*N7)+((M7<>N7)*N8) |
| -SUM(B29,B31) | [A 4] | | IC 31 01 MED/DRUGS | [G27] G22 - G26 | [N10] |
| -SUM(B29,B31) | [A 5] | WAGES | [C 4] NOT USED | [1 1] SCHEDULE C - BUS INC | ((N9<30001)*N9)+((N9>30000) |
| -SUM(B29,B31) | [A 6] | ALIMONY | [C 5] NOT USED | [1 3] 01 GROSS RECEIPTS | *30000) |
| -SUM(B29,B31) | [A /] | TAYARIF PENSIONS | [C 6] 02 DOCTOR EXP | [4 RETURNS/ALLOW | [N] NIU". [N] FFD KIIP |
| -SUM(B29,B31) | [A 9] | OTHER PENSIONS | [C /] IRANSPORT | LI 61 02 COST OF GOODS | IP 31 0 |
| -SUM(B29,B31) | [A10] | RENTS & ROYALTIES | IC 91 03 SUBTOTAL | [1 7] 03 GROSS PROFIT | [P 4] 3401 |
| -SUM(B29,B31) | [A11] | FARM INCOME | [C10] 04 5% ADJUSTMENT | [8 04 WINDFL PR/REFD | [P 5] 5501 |
| -SUM(B29,B31) | [A12] | UNEMPLOYMENT | [C11] 05 LN3 - LN4 OR 0 | [1 9] OTHER INCOME | [P 6] 7601 |
| -SUM(B29,B31) | [A15] | SPOUSE | [C12] 06 STATE/LOC TAX | [110] 05 GROSS INCOME | [P 7] 11901 |
| -SUM(B29,B31) | [A16] | | [C13] O/ KEAL EST TAX | [111] UD ADVERTISING | [P 9] 20201 |
| -SUM(B29,B31) | [A17] | WAGES | IC151 BMOTOR VEH TAX | [113] 08 BANK SVC CHARG | [P10] 24601 |
| -SUM(B29,B31) | [A18] | ALIMONY | [C16] 09 PROPERTY/OTHER | [114] 09 CAR/TRUCK EXP | [P11] 29901 |
| -SUM(B29,B31) | [A19] | BUSINESS INCOME | [C17] 10 SUBTOTAL TAXES | [115] 10 COMMISSIONS | [P12] 35201 |
| -SUM(B29,B31) | [A20] | OTHER PENSIONS | [C18] 11 MORTGAGE INTER | [116] 11 DEPLETION | [P13] 45801 |
| -SUM(B29,B31) | [A22] | RENTS & ROYALTIES | [C19] 12 CREDIT CARDS | (110) 13 DIES/PUBLIC | [P14] 00001 [P15] 85601 |
| -SUM(B29,B31) | [A23] | FARM INCOME | [C2U] IS UINEK | [110] 13 DUES/FUBLIC | [P16] 109401 |
| -SUM(B29,B31) | [A24] | UNEMPLOYMENT | 1C221 15 CASH CONTRIB | [120] 15 FREIGHT | [P17] 1000000 |
| -SUM(B29,B31) | [A25] | OTHER | [C23] CASH 3K TO ONE | [121] 16 INSURANCE | [P18] 0 |
| -SUM(B29,B31) | [1427] | JOINI | [C24] 16 NONCASH | [122] 17 INTEREST ON BD | [P19] (U36-3400)*.11 |
| -SUM(B29,B31) | [A29] | INT. (DO ! TO MOVE) | [C25] 17 PREV. YEARS | [123] 18 LAUNDRY/CLEANING | [P20] 231+((U36-5500)*.12) |
| -SUM(B29,B31) | [A30] | DIV. (FROM SCH B) | [C27] 10 CASHALTY/THEET | [124] 19 LEGAL/PROFESS. | [P2]] 465+((U36-7600)**•14) |
| -SUM(B29,B31) | [A31] | STATE REFUND | [C28] 20 UNION DUES | [126] 21 PENSION/PR SHARE | 11900)*.16) |
| -SUM(B29,B31) | [A32] | FILING STATUS | [C29] 21 PREPARAT. FEE | [127] 22 RENT | [P23] 1741+((U36- |
| -SUM(B29,B31) | [A33] | NO. OF EXEMPT. | [C30] 22 OTHER | [128] 23 REPAIRS | 16000)*.18) |
| -SUM(B29,B31) | [A36] | WITHHOLDINGS | [C31] 23 SUBTOT MISC. | [129] 24 SUPPLIES | [P24] 2497+((U36- |
| -SUM(B29,B31) | [A37] | YOUR FEDERAL | [C32] 24 TOTAL | [130] 25 TAXES | 20200)*.22) |
| -SUM(B29,B31) | [A38] | YOUR STATE | [C34] 26 ITEM DEDUCTIONS | [131] 20 TRAVEL/ENTERINMI | 246001* 251 |
| -SUM(B29,B31) | [A39] | YOUR EST. FED | [D 3] 0 | [133] 28 WAGES | [P26] 4790+((U36= |
| -SUM(B29,B31) | [040] | YOUR EST STATE | [D 6] 0 | [134] JOBS CREDIT | 29900)*.28) |
| -SUM(B29,B31) | [A42] | SPOUSE FEDERAL | [D 7] 0 | [135] SUBTOTAL | [P27] 6274+((U36- |
| -SUM(B29,B31) | [A44] | SPOUSE EST. FED | [D 8] 0 | [136] 29 WINDF PROF 84 | 35200)*.33) |
| -SUM(B29,B31) | [A45] | SPOUSE EST. STATE | [D 9] SUM(D3.D8) | [13/] 30 OTHER EXPENSES | [P28] 9//2+((U56- |
| -SUM(B29,B31) | [A47] | KEOGHS | [D11] (((D9-D10)>0)*(D9- | [144] 32 NET PR/LOSS | 19291 15168+((1136= |
| -SUM(B29,B31) | [A48] | IRA'S | D10))+0 | [J 5] J3-J4 | 60000)*.42) |
| -SUM(B29,B31) | [A50] | TOTAL LESS LOUNT | [D12] AN29 | [J 7] J5-J6 | [P30] 25920+((U36- |
| -SUM(B29,B31) | [A53] | SPOUSE LESS JOINT | [D17] SUM(D12.D16) | [J10] J7+J8+J9 | 85600)*.45) |
| -SUM(B29,B31) | [A54] | YOURS LESS JOINT | [D21] SUM(D18.D20) | [J35] J33-J34 | [P31] 36630+((U36- |
| -SUM(B29,B31) | [A55] | TOTAL JOINT | [D31] SUM(D28,D30) | SUM(.111132)+SUM(.135142) | 109400)*.49) |
| -SUM(B29,B31) | [A56] | GRAND TOTAL | [D32] | [J44] J10-J43 | [R 2] NOT USED |
| -SUM(B29,B31) | [B /] | - J44 - C0 | D11+D17+D21+D26+D27+D31 | [L 1] SCHEDULE W | [R 3] NOT USED |
| -SUM(B29,B31) | [B30] | G27 | [D33] | [L 3] 01 WAGES | [R.4] NOT USED |
| -SUM(B29,B31) | [B52] | 3 | LOOKUP(B32,B61,B66,B67,B72) | IL 41 02 BUSINESS | [R 5] NOT USED |
| B53 SUM(B17,B25) F 4 02 OTHER INTEREST L 8 06 SMALLEST R 9 NOT USED B54 SUM(B5,B13) F 9 03 TOTAL INTEREST L 8 06 SMALLEST R 9 NOT USED B55 SUM(B29,B31) F 9 03 TOTAL INTEREST L 9 PROGRAM R10 NOT USED B56 B52+B55 F 10 NOT USED L 10 PROGRAM R11 NOT USED B58 ZERO F 12 NOT USED L 11 08 EXCLUSION R12 NOT USED B59 BRKT LKUP F 13 NOT USED M 2 FRYOURS R13 NOT USED B60 0 F 14 NOT USED M 4 B7 R 15 NOT USED B61 1 F 15 NOT USED M 4 B7 R 16 NOT USED B62 2 F 16 NOT USED M 5 M3+M4 R 16 NOT USED B63 3 F 17 O4 DIVIDENDS N 2 FRSPOUS'S R 18 NOT USED B64 4 F 17 O4 DIVIDENDS N 2 FRSPOUS'S R 18 NOT USED B65 5 F 22 O5 TOTAL N 3 B17 R 19 NOT USED B66 5.1 F 23 O6 CAP GAINS DISTR N 4 B19 R 20 NOT USED B66 5.1 F 24 O7 NONTAX DISTR N 4 B19 R 20 NOT USED B67 2300 F 25 O8 EXCLUSIONS N 6 B48 R 22 NOT USED B68 3400 F 25 O8 EXCLUSIONS N 6 B48 R 22 NOT USED B69 1700 F 26 O9 SUBTOTAL N 7 N5-N6 R 23 NOT USED B71 2300 F 25 OS EXCLUSIONS N 6 B48 R 22 NOT USED B71 2300 F 2300 F 25 OS EXCLUSIONS N 7 N 8 R 24 NOT USED B71 3400 R 20 SUM(G3,G8) ((M7>N7)*N7)+((N7>M7)*M7) R 25 NOT USED B71 3400 R 20 SUM(G3,G8) ((M7>N7)*N7)+((N7>M7)*M7) R 25 NOT USED B71 3400 R 20 SUM(G3,G8) ((M7>N7)*N7)+((N7>M7)*M7) R 25 NOT USED B71 3400 R 20 SUM(G3,G8) ((M7>N7)*N7)+((N7>M7)*M7) R 25 NOT USED B71 3400 R 20 SUM(G3,G8) ((M7>N7)*N7)+((N7>M7)*M7) R 20 NOT USED R 20 NOT USED R 20 NOT USED R 20 NOT USED R 20 NOT | SUM(B | 17.017.7430M(017.027) | [F 1] SCHEDULE B - INT/DVD | | |
| F 1 02 OTHER INTEREST 1 1 06 SMALLEST 1 1 NOT USED 1 SUM(B5.B13) F 9 03 TOTAL INTEREST 1 9 PROGRAM 1 1 NOT USED 1 SED SED 1 SED SED | 10571 | | | | |
| B55 SUM(B29.B31) | | | [F 4] 02 OTHER INTEREST | [L 8] 06 SMALLEST | |
| B56 B52+B55 | | | | | |
| [B56] ZERO [B59] BRKT LKUP [B60] 0 [B61] 1 [B61] 1 [B62] 2 [B63] 3 [E71] NOT USED [B61] 1 [E71] NOT USED [E72] NOT USED | | | | | |
| B69 BRK ERUP | [B58] | ZER0 | | | |
| B60 0 | | | | | |
| [B62] 2 [F16] NOT USED [M 5] M3+M4 [R16] NOT USED [B63] 3 [F16] NOT USED [M 7] M5-M6 [R17] NOT USED [R17] NOT USED [M 7] M5-M6 [R17] NOT USED [R17] NOT USED [R17] NOT USED [R17] NOT USED [R18] NOT USED [R18] NOT USED [R18] NOT USED [R19] NOT USED [R19] NOT USED [R19] NOT USED [R19] NOT USED [R20] NOT USED [R20] NOT USED [R21] NOT USED [R21] NOT USED [R22] NOT USED [R23] NOT USED [R24] NOT USED [R25] NOT USED [R26] NOT USED [R26] NOT USED [R27] NOT USED [R27] NOT USED [R28] NOT USED [R29] NOT USED | | | | [M 4] B7 | |
| [B63] 3 | | | | [M 5] M3+M4 | [R16] NOT USED |
| [B64] 4 [F72] 05 TOTAL [N 2] FRSPOUS'S [R18] NOT USED [R65] 5 [F22] 05 TOTAL [N 3] B17 [R19] NOT USED [R66] 5.1 [F23] 06 CAP GAINS DISTR [N 4] B19 [R20] NOT USED [R67] 2300 [F24] 07 NONTAX DISTR [N 5] N3+N4 [R21] NOT USED [R68] 3400 [F25] 08 EXCLUSIONS [N 6] B48 [R22] NOT USED [R68] 1700 [F26] 09 SUBTOTAL [N 7] N5-N6 [R23] NOT USED [R70] 2300 [F27] 15 TOTAL (TO 1040) [N 8] [R24] NOT USED [R71] 3400 [G 9] SUM(G3.G8) ((M7>N7)*N7)+((N7>M7)*M7) [R25] NOT USED | | | | | |
| | [B64] | 4 | | | |
| [B67] 2300 [F26] 07 NONTAX DISTR [N 5] N3+N4 [R21] NOT USED [B68] 3400 [F25] 08 EXCLUSIONS [N 6] B48 [R22] NOT USED [B69] 1700 [F26] 09 SUBTOTAL [N 7] N5-N6 [R23] NOT USED [B70] 2300 [F27] 15 TOTAL (TO 1040) [N 8] [R24] NOT USED [B71] 3400 [G 9] SUM(G3.G8) ((M7>N7)*N7)+((N7>M7)*M7) [R25] NOT USED | | | | | |
| [B67] 2500 | | | | | |
| [B69] 1700 [F27] 15 TOTAL (TO 1040) [N 8] [R24] NOT USED [B70] 2300 [G 9] SUM(G3.G8) ((M7>N7)*N7)+((N7>M7)*M7) [R25] NOT USED [G71] 3400 | | | [F25] 08 EXCLUSIONS | [N 6] B48 | |
| [B70] 2300 [F27] 15 TOTAL (10 1040) [N 6] [R24] NOT USED [B71] 3400 [G 9] SUM(G3.G8) ((M7>N7)*N7)+((N7>M7)*M7) [R25] NOT USED | | | | [N 7] N5-N6 | [R23] NOT USED |
| [871] 3400 | [B70] | 2300 | | | [R24] NOT USED |
| GOTO 12 | [B71] | 3400 | (O > 1 30H(O) (OO) | ((m//N/)"N/)T((N/2M/)"M/) | · |
| | | | | | GOTO 12 |

| EI 01 | GOJ | | | | | | |
|------------|------------------------------|------------------------|------------------|--------------------|-----------------------------------|---------------------|------------------------------------|
| , <u>,</u> | | | 00.017 | 16171 | 0S+SIM (| bi Mil | ARI NA NO XAT EE [4ET] |
| الوطالية |) SO HOWECE | | 0S+81X 0S+71X | | 05+21M [| | 241 NO SS 42 [221] |
| | 7) 27 TOT CR 9) 28 AMT CR | | 05+21X 05+91X | | 05+11M [| | [152] 53 RECAP ITC |
| | S) 26 ADD CR | | 05+51X | | 0S+01M [| LIMI | [TS1] 52 ALT. MINIMUM |
| | S CR DEP | | 05+41X | | 0S+6M [| | [T50] SI SELFEMPL TAX |
| | 11 24 CR SPS | 4 8A J | 0S+£1X | | 0S+8M | | [149] 50 TOTAL CREDITS |
| | S) 23 CREDIT | ₹ 8A j | X12+50 | | 05+LM | | 148 40 TOTAL BUS/OTHER |
| |) CREDITS | 1 8A J | 05+11X | | 0S+9M 0S+SM | | CREDIT |
| | 006 | 10221 | 0S+01X 0S+6X | | M4+20 | | [147] 48 GENERAL BUSN. |
| | | [SS0] | 05+8X | | 0S+ΣM | | [146] 47 FOREIGN TAX CREDIT |
| | | [812] | 0S+LX | | 00941 | | JATOTAU2 34 [24T] |
| | | LIZI | 0S+9X | | SPOUSE | | CREDITS |
| | | [9[Z] | 05+5X | | State LKP | [[M] | [144] 45 TOTAL PERSONAL |
| | | [SIZ] | 0⊆+ <i></i> ¢X | [S X] | | | [143] 44 POLIT CONTR |
| | | [blZ] | 0S+£X | | | ((£9N | |
| | | [EIZ] | 33800 | | -SSN))*(\$3U<83U)) | [(00] | [140] 42 ELDERLY CREDIT |
| | | [ZIZ] | | [X X] | | ((<u>5</u> 50) | |
| | | [IIZ] | woleg etoN | (X I | -£9N)*(EEU<£6U)) | | XAT JANOITIQDA 92 [85T] |
| | | [OIZ] | OF COURSE! | (COM) | SUM(U56,U62) | | XAT 85 [72] |
| | 5 | [6 Z] [8 Z] | your own income | | B29+844 | | 11361 37 TAXABLE INC |
| | Č | | of sint taulbs | | 827+842 | | [135] 36 EXEMPTIONS |
| | 7. | [9 Z] | You may need to | | (\$40°6\$N) WNS | [LSN] | JATOTBUS 25 [42T] |
| | Ĭ | is zi | 5881 | [194] | | +(840 | |
| | ROUTINE | | | [09M] | -24U))*(0<(8AU-24U)) | | |
| | гоокиь | | | [65M] | (74U.84U)MU2 | | |
| | CREDITS | [| | [85M] | -65U))*(0<(44U-65U)) | 1 / +0 1 Ndd) + | |
| | | | | [LSM] | SUM(U40,U43) | | |
| | 4255 | | | [95M] [55M] | 85U+75U | | |
| | 4226 | _ | | [bSM] | 18.9819 | | |
| | 8124 | [88X] | | [SSM] | 719,59 | | |
| | 4203 | | 1281 | | LOOKUP(U36 | | |
| | | [95X] | | [ISM] | 52U- <i>4</i> 2U | | |
| | | [SSX] | 7081 | [MEO] | B33#1000 | | |
| | 4180 | [\$2X] | | [64M] | รับ-รรับ | | |
| | 2714 | | 195 7611 | [M48] | | [220] | |
| | | [XSX] | 5871 | [LVM] | UZ1-U30 | [125] | |
| | | [ISX] | 8 <i>LL</i> 1 | | OFIL 121 | | |
| | | [05X] [6#X] | | [Mdd] | | [6ZN] | |
| | | [84X] | | [EM] | | i nse j | |
| | | [Ltx] | | [MdS] | | [SZN] | |
| | 6117 | [9tX] | 2471 | | \$N+\$N+(0ZN° \1)WNS | | |
| | | [StX] | | [044] | 813+825 | | |
| | | [X44] | | [65W] | 812+824 | | |
| | | [£ b X] | | [82M] | 810+823 | | |
| | | [X4X] | | [LEM] [9EM] | B9+B21 | | |
| | | [0+X] | | [SEM] | 88+820 | įvini | [8] 10 STATE REFUNDS |
| | | [6£X] | | [MZH] | 618+48 | | |
| | | [85X] | 9891 | [EEW] | 818+98 | [6 1] | [1 e] EXCLUSION |
| | | [YEX] | 6191 | [M2S] | 158 | [8 U] | (I 2) OB DINIDENDS |
| | | [9£X] | 0S+0£M | | 90-≤0 | | |
| | | [SEX] | 05+62M | | | [5 [] | |
| | | [\$\(\frac{1}{2}\) \] | MS+820 | | | [t n] | |
| | | [XZX] | M51+50 M56+50 | | 68 AMT OWED 718+817 | | |
| | 05+0£X | | M25+50 | [97M] | 68 OT YJ99A TMA 78 | | |
| | X29+50 | | M24+50 | | 66 AMT REFUNDED | | |
| | X28+50 | | M23+50 | [MS4] | 65 AMOUNT OVERPAID | | |
| | X27+50 | [82X] | MZZ+50 | | 64 TOTAL PAYMENTS | | [R34] NOT USED |
| | XS6+50 | | M21+50 | [MSS] | 63 REG INV CO CR | [S9T] | (R33) NOT USED |
| | X25+50 | | M20+50 | | 62 FUEL CREDIT | | [R32] NOT USED |
| | X24+50 | | 05+61M | | el excess ss | | |
| | 05+52X | | 05+8IW | | 60 AMT PD F4868 | | |
| | X22+50 | | 05+LIM | | 29 EARNED INC CR | | |
| ie. | X51+50 X20+50 | | M19+20 M12+20 | | 58 84 EST TAX PD | | [RZ8] NOT USED |
| | 05+61X | | 05+51W | | 56 TOTAL TAX 57 FED TAX W∕HELD | | R26 WOT USED R27 WOT USED |
| - | | | 03173M | | | | |
| | | | | | (iii əgaq) ləboM x. | аТ . | A Federal and Minn State |
| | | | | | | | |



| A Federal and Minn Stat | e Tax Model (page iv) |
|---|---|
| [AB11] 30 OTHER [AB12] 31 POLIT [AB13] 32 ENERGY | [AI16] AI15*.25 [AI17] AI14+AI16 |
| [AB14] 33 PC CR | [AJ 2] HUSBAND [AJ 3] [AJ 4] U55 [AJ 5] U31 [AJ 6] AN4 [AJ 8] AN5 [AJ 9] ((AJ7-AJ8)>0)*((AJ7-AJ8)) [AJ10] AJ6-AJ9 [AJ11] FDAJ10/AJ5 [AJ12] AJ4*AJ11 [AJ14] AJ12+AJ13 [AJ15] U50 [AJ16] AJ15*.25 |
| [AB17] 36 WITHH | [AJ 4] U55 |
| [AB19] 38 EAC | [AJ 6] AN4 |
| [AB20] 39 CHILD [AB21] 40 FUEL | [AJ 8] AN5 [AJ 9] ((AJ7-AJ8)>0)*((AJ7- |
| [AB22] 41 FUELII [AB23] 42 TOTAL | AJ8)) [AJ10] AJ6-AJ9 |
| [AC 7] AC3+AC4+AC5+AC6 | [AJ11] FDAJ10/AJ5 [AJ12] AJ4*AJ11 |
| [AC 9] LOOKUP(AC7.75.712.713.720) | [AJ14] AJ12+AJ13 |
| [AC15] SUM(AC9.AC14) | [AJ16] AJ15*.25 |
| [AC18] B45+B40 | [AL 1] STATE TAY EDM MI |
| [AC23] SUM(AC17.AC22) | [AL 4] 01 FED ADJ GR INC |
| [AE 4] 15 FED DE | [AL 6] 03 IRA KEOGH ADDN |
| [AE 6] 17 EX CHA | [AL 7] 04 GOVT RET CONTR [AL 8] 05 OTHER ADDITIONS |
| [AE 7] 18 16+17 [AE 8] 19 15-18 | [AL 9] 06 SUBTOTAL [AL10] 07 SUBTRAC'S |
| [AE 9] 20 TUIT [AE10] 21 EST/AD | [AL11] 08 MINN GROSS INC [AL12] 09 FEDERAL DEDUCTN |
| [AE11] 22 1922 [AE13] (NOTE Errors will | [AL13] 10 MN AGI |
| [AE14] appear in several | [AL15] 12 MN TAX IN |
| [AE16] has been | [AL17] 14 TOTAL |
| [AC 7] [AC 9] LOOKUP(AC7,Z5,Z12,Z13.Z20) [AC15] SUM(AC9,AC14) [AC17] B43+B38 [AC18] B45+B40 [AC23] SUM(AC17.AC22) [AE 1] MN ITEMIZ [AE 4] 15 FED DE [AE 5] 16 ST TAX [AE 6] 17 EX CHA [AE 7] 18 16+17 [AE 8] 19 15-18 [AE 9] 20 TUIT [AE10] 21 EST/AD [AE11] 22 1922 [AE13] (NOTE Errors will [AE14] appear in several [AE15] cols until data [AE16] has been [AE17] entered) [AF 1] ED DEDUCT [AF 4] D34 [AF 5] D12 [AF 7] AF5+AF6 [AF 8] AF4-AF7 [AF11] SUM(AF8.AF10) [AH 1] M-1B [AH 4] 01 FED TAX [AH 5] 02 FED ADJ G.I. [AH 6] 03 LN1 OF M1 [AH 7] 04 LN7 OF M1 [AH 9] 06 LN4-LN5 OR 0 [AH11] 09 LN2 (AF3.Z7) | [AL19] |
| [AF 4] D34 | [AL21] 21 VALUE OF CREDTS |
| [AF 7] AF5+AF6 | [AL23] 23 TAX PD OTHER ST |
| [AF11] SUM(AF8.AF10) | [AL24] 24 POL CONTRIB [AL25] 25 LOW INCOME CR |
| [AH 1] M-1B | [AL26] 26 RESID. ENRGY CR [AL27] 27 EQUITY INV CR |
| [AH 4] 01 FED TAX [AH 5] 02 FED ADJ G.I. | [AL28] 28 TOTAL CREDITS [AL29] 29 84 INCOME TAX |
| [AH 6] 03 LN1 OF M1 [AH 7] 04 LN7 OF M1 | [AL30] 30 WILDLIFE FUND |
| [AH 8] 05 LN2 OF M1 [AH 9] 06 LN4-LN5 OR 0 | [AL32] 32 MN TAX W/HELD [AL33] 33 MN EST TAX |
| [AH10] 07 LN3-LN6 [AH11] 08 LN7 / LN2 | [AL34] 34 MN CHLD CREDIT |
| [AH12] 09 LN1 * LN8 | [AL35] 35 GASOLINE CR [AL36] 36 TOTAL CR A/TAX |
| [AH13] 10 83 M1B [AH14] 11 84 TAX DED | [AL37] 37 REFUND [AL38] 38 CREDIT TO 85 |
| [AH15] 12 84 SELF EMPT [AH16] 13 LN12 * .25 | [AL39] 39 YOU OWE |
| [AH17] 14 TOTAL 84 FTD | [AM 2] WIFE ONLY [AM 3] |
| [AI 2] WIFE [AI 3] | [AM 4] (B53- B48) +(((G22+G27-U6+B31) |
| [AI 4] N/A [AI 5] N/A | *(B53/B52))) [AM 5] U29 |
| [AI 6] AM4 [AI 8] AM5 | [AM 9] SUM(AM4.AM8) [AM10] U8*(AM4/(AN4+AM4)) |
| [AI 9] ((AI7-AI8)>0)*((AI7- AI8)) | [AM11] AM9-AM10 [AM12] AL17 |
| [AI10] AI6-AI9 [AI11] FDAI10/AJ5 | [AM13] AM11-AM12 [AM15] AM13-AM14 |
| [A112] AJ4*A111 [A114] A112+A113 | [AM16] |
| מואברתום | (LOOKUP(AM15,W3.W31,W32.W61)) |

```
[AN 6] (B47>7500)*(7500-
[AM17] N/A
[AM18] N/A
                               B47)
                                [AN 9] SUM(AN4.AN8)
[AM19] N/A
                                [AN10] U8*(AN4/(AM4+AN4))
[AM20] N/A
                                [AN11] AN9-AN10
[AM21] N/A
[AM22] N/A
                                [AN12] AJ17
                                [AN13] AN11-AN12
[AM23] N/A
                                [AN14] AF11
[AM24] N/A
                                [AN15] AN13-AN14
[AM25] N/A
                                [AN16]
[AM26] N/A
[AM27] N/A
                                (LOOKUP(AN15, X3. X31, X32. X61
[AM28] N/A
                                [AN17] AM16+AN16
[AM29] N/A
                                [AN18] AN17
[AM30] N/A
                                [AN28] SUM(AN22.AN27)
[AM31]
[AM321 N/A
                                [AN29] ((AN18-
                                AN28)>0)*((AN18-AN28)+0)
[AM33] N/A
[AM34] N/A
                                [AN31] AN29+AN30
[AM35] N/A
                                [AN32] B38+B43
[AM36] N/A
                                [AN33] B40+B45
[AM37] N/A
                                [AN36] SUM(AN32.AN35)
[AM38] N/A
                                [AN37] (AN36>AN31)*(AN36-
[AM39] N/A
                                AN31)
                                [AN39] (AN31>AN36)*(AN31-
[AN 2] HUSBAND
                                AN36)
[AN 3] ----
[AN 4] (B54-
                                [AO 4] AM4+AN4
                                [AO 8] AN10+AN10
B47)+((G22+G27-
U6+B31)*(B54/B52)))
                                The End!!!!!!!!
[AN 5] FRNA
```



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MacSIG Meeting Report Jan 28, 1985 by Tom Edwards

MacSIG Makes Like Sardines for January

Yup! No way else to put it. We were like a bunch of sardines in a tin, the way we were packed into the meeting room at the Edina Library on the 28th for the January meeting. Growth. Growth and more Growth. When the meeting room was reserved, way back then, seemed like it was plenty big. didn't shrink, room MacGroup just got bigger. We've been pulling about the same attendance as the

full Mini'app'les meetings!

Well, we managed to fill the room to capacity, and then some. Some stood, some sat on the floor, but all were interested in soaking up all that could be heard or seen about the computer for the Mike Carlson rest of us, Macintosh. opened up the proceedings right on time, if your watch was a minute or two fast. Again, in the name of expedience, the introduction round was dispensed with... looks like the MacGroup will have to acknowledge that it's gotten too big to devote that much time to intros, even though they have been nice to place a face with a name, and hear a bit about interests, accomplishments and questions.

Mike reminded all that the MacGroup is a collective member of Club Mac. As such, there is a newsletter that can circulate and (future) software to become available. Coming events include a MacWorld inspired show Feb. 21-23 in San Francisco (several indicated that they would be attending... let's hope that we can get a review or two for the newsletter) and the Strictly Business show in MSP Feb. 25-27. Mike solicited for volunteers to work the Mini'app'les booth at the SB show. Unfortunately, no one seemed to be listening. Let's hope that the second call got some to sign on.

Our MacDOMware coordinator, Steve Baker, advised that DOM's 1-4 were on sale. MacDOM#5 and MacDOM #6 are described elsewhere in this newsletter and will be available at the March MacSIG meetings. (See announcements.) Also available is Desk Accessory Mover (D.A.M.) and Mockware, two disks distributed under the MacHonor system. The D.A.M. is available in a new release (1.4) which fixes a bug or two that

crawled into the earlier versions. Mockware has several "utility" type programs on it, and is accompanied by

about 20 pages of documentation.

MC/MC said that the software for the Mac continues to hit the streets (though I think that some of the pre-holiday rush was followed by a post-holiday mush). Helix took as long to deliver as a baby elephant and ended up about as big ... works on 512K only, with two drives. MicroSoft is delivering Basic 2.0, with an policy for the pioneers. upgrade Comments that I've heard indicate that 2.0 is much nicer and fuller featured than 1.0. MS File also has left the ranks of Vaporware, and offers a There's pleasant bonus. a Imagewriter driver that also works faster than the standard driver. With care, it can be transported to (some) other program disks to spread its characters around. A voice from the MacCrowd said that its magic is available for Multiplan, if you perform the appropriate surgery.

Quickly surveying for yeahs and nays uncovered several other programs and items that individuals within the MacGroup have had some experience

with:

*Omnis 2: A good data base for those needing a "relational" function, big records, and mail merge. YEAH!

records, and mail merge. YEAH!

* Musicworks: A very comprehensive program, piping melodious tunes of your own composition out the audio port into your stereo. Said to be "inexpensive", but a YEAH!

* Microeye: A digitizer system to scan pics and convert them to MacPaint documents. Catagorized as slow, with poor software functions, it rated a NAY!

* MacVision: Does the same type of thing as Microeye, but this unit has its act together. Fast, with good software,

a strong YEAH!

There's still more to come, naturally, as Mac continues to expand. The oft rumored "Word" is still to see the light of day. "Thunderscan" (a parasite digitizer for your Imagewriter) is also a "someday" thing to be. There's also a MacCharlie device...turns your Mac into an IBM PC for just \$985. (And you thought Frankenstein was dead!! I wonder how much you can get for trading in MacWrite on Wordslug, or whatever that program is?)



MacSIG Meeting Report (page ii)

Even Apple continues with some of their own albatrosses. MacDraw (and MacProject) is still officially a bonus for some of those going for the MacUpgrade. Problem is, it ain't. You can wait for it if you wish, but Apple would suggest that you take a choice of another one from column B, since they can't deliver the one from column A. The somewhat nice word on the upgrade, though, is that the price has shrunk to just \$700, along with a similar downshift in the price of a FatMac to \$2795 (list). In this shell game, Lisa 2/10 also goes transsexual and metamorphosises into the Mac XL at \$3995. There is also a ROM retrofit that erases some of the screenscrunch and other funny aberrations that happened to MacSoftware when under MacWorks (Is this getting a little MacMuddling to you?).

There are still a lot of Mac'ers that are tantalized by the "Bigger is Better" syndrome, yet don't want to sell the family jewels to take the plunge. The local chopshops have plugged a balloon job in the \$600 range (probably even less, as the offical Apple upgrade price gets talked around). Mike, donning his dealer hat, said that your liability on this option shows up down line, as your Mac ages and the potential for service increases. If a dealer has to swap your motherboard, it's only a \$75 charge (plus labor?) if your board is indistinguishable from a service module. Otherwise, it's a \$1000 pop for a new board, if Apple won't accept your kludge. thought that the most obvious point of

diversion would be soldered-in chips, vs Apple's socketed chips on the upgrade

board. However, I think that the chopshops now offer this too... at least

I'd be sure that I found one that did!)

Dan Buchler noted for all that most of the MacDeveloper's Handbook will be published in March, in a book titled "Inside Macintosh", authored by one Mr. Hogan, and available for \$19.95. This should alleviate, to some degree, the grumpies about the loss of "openness" from previous Apple products (read Apple][). (If the book is any good, Dan will arrange a bulk purchase - Ed.)

On the subject of Dan, he was also the heart of the program for the evening. His interest and long service in the Apple commmunity has even been acknowledged by Apple, who has favored him with information that our investment SIG would classify as "insider", and confidential. Dan felt that Apple's exposure of details about the LaserWriter and AppleTalk also loosened the bonds that held his tongue. Flying in the face of redundancy (for I'm sure that Dan will author this subject in much better and deeper detail, and you can catch reviews in MacWorld, Byte and other magazines), I'll slug out what I can about Dan's presentation on these new products.

The LaserWriter is a laser printer from Apple. The mechanics of what it does differs little from similar printers from Canon and HP... as a matter of fact, it looks suspiciously like them. What is different is what goes on inside from a software standpoint. Looking at hardware specs, it's almost more of a computer than a printer. You find a 68000 processor, 1.5 MB RAM, .5 MB ROM, RS232 and AppleTalk interfaces. Images are resolved at 300 dots per inch and copies slither out at about 8 per minute, when things are underway. It uses cartridge inserts to renew toner supply, good for 2000-3000 impressions. Cartridges cost \$99, and slide into a machine that goes for \$6995, twice that of the others.

What you get for that pricey difference, is primarily a dynamite software package called "PostScript", from Adobe Systems. That is the reason for all of the computer stuffings inside. PostScript is actually a "language" that manages graphics like your word processor manages text. The descriptive "outline" of 4 fonts of characters are stored in ROM. PostScript can build a printable character using the outline and additional information on proportion, slant, rotation and fill, as well as where to place the character on the paper. More fonts can be RAM'ed in, too, and the fonts are professionally designed from a typesetting standpoint, rather than what works out nice on the screen's bit-map. Screen versions of these fonts can be added to your program disk so you have a suggestion of what you are working with, but they are a poor representation of the sharpness of the end product.

PostScript can gobble a page of info from your computer in about 1 second. It then proceeds to translate all this, including graphics that might be part of

MacSIG Meeting Report (page iii)

the page, and build a LaserWriter page that goes into RAM. This translation includes routines to "smooth" curves, cut and paste graphics together and fetch and build the characters needed for text. The combination of the internal Mac software and Postscript churning in the LaserWriter may take in the range of 15 to 30 seconds for a common page, even heaps longer for pages that require intense fetching and calculating!

After all this foreplay, ending with the climactic event of banging the last bit of page makeup info into RAM and hitting the "GO" button on the output routines, pumping out the copies is kind of a let-down... like a smoke after a good romp in the sack, that's the part that anyone could do, even Brand X.

At 300 DPI, the end result sure beats the pants off even the best of the DMP's (+/- 100 DPI), and by most standards gets you into real "letter quality" comparisons. Though far short of phototypesetting equipment (1000 DPI and up and up), it is very acceptable for a whole hunk of modest demand applications (from an image-sharpness standpoint) in the business environment. Other computers can talk to it, too, needing only RS232 and the ability to send ASCII for text or communication to PostScript.

Dan says that he has used the LaserWriter, and seems duly impressed. Though not without "bugs" at this betatest point, it does produce as advertised. The transparencies looked good (done directly by LW), and reprosin the mags are noticably not typeset, but very acceptable.

(Hope to have a detailed article in April issue - Ed. Meanwhile see page 4 of this newsletter for an example of LaserWriter output!) Dan also described the AppleTalk hook-up from Apple. It is key to the LW and Apple's yearning for credibility in the office markets. A simple 2 foot cable connects to the serial port in the Mac, ending in a small box with some simple isolation circuitry inside. You then plug a couple of cables (make 'em yourself, if you wish) from there to the next boxes on the line, forming a simple loop. If I heard right, software is already in 5.5K of ROM in the Mac to manage communications and set-up. This allows you to "share" the LaserWriter with others on the loop,

totaling 32 Mac's/devices within 300 meters of cable. Apple is talking about other devices that figure into the AppleTalk network. Probably one of the first will be a means of spooling to the LW; currently, if it's busy, you just get a busy notice and have to come back and try again.

Pressing on to end the meeting, March may find us with a speaker from the F.B.I., discussing their activity in copyright violations within the computer industry. The swap meet has been abandoned for various reasons. (If you want to have a program devoted to a subject, or know of a program that can be of interest to the MacGroup, contact Mike with your suggestions.)

Mike with your suggestions.)

We wound up the meeting with a bunch of quickies, until they turned out the lights. Here's a whiz through them:

* Hanzon Card for making an Epson look like an Imagewriter to the Mac... the experience with it isn't perfect, but rates as fair.

* MacWorld has reduced rates a bit. With pressure to the subscription department, extra issues can be obtained by those with recent subscriptions at the old rate.

* The menu bar at the top of the Mac screen can be eliminated by those programming in Pascal.

* MacSIG members are looking for other members programming in assembler and LisaBasic. No match-ups found at the meeting.

*The communication services have a bunch of MacStuff available for downloading. Some is already being reviewed for future MacDOM's.

*Software is being tested that changes a FatMac into 4 ThinMacs for concurrent processing. (Someone wanted to know how you hook up 4 keyboards to use it!!)

* Those trying to make Imagewriter with non-Apple work **RS232** urged to try computers are connections. Drivers that work with a Prowriter may offer the best possibility of making it work with text; what might do graphics is anyone's guess. Try it.

*Two Mac owners have blown speakers on their Macs (now that's really kinky!). No causes have been diagnosed.

* The MacClock is accessible from programming languages to return time

GOTO 9

If you can click, why not click the best. The Macintosh 512k Upgrade

By Practical Computer Applications

An Upgrade consists of increasing your onboard RAM memory from 128k bytes to 512k bytes. In doing this you are now able to use all of the new, larger more superior 512k programs. This expanded Macintosh also allows you to load an entire diskette into memory, enabling more rapid access of your programs directly from memory(RAM Disk) or if you prefer, make your 512k Macintosh run 4 individual 128k programs simultaneously (Mac Switcher). This program actually turns your 512k Mac into four (4) 128k Macs. If you can click, why not click the best.

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if upgrade is in stock.

No internal adjustments.

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☑ Price \$700.00 + Labor.

PCA 512k Upgrade

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PCA announces the coming of MacPort and the long awaited MegaMac.

printer or modem port into 4 individually switchable Macintosh accessory ports. This allows you to easily access any of your peripherials such as Imagewriter, letter quality printer, modem, hard drive, camera digitizer, laser printer graphic scaner, digitizer tablet, Mac network at the touch of a button.

Don't forget to make back-ups of your original Macintosh software with MacSmith. The professional duplicating program for peace of mind.

For more information concerning a 512k FatMac.,

MegaMac or MacPort call: Practical Computer Applications

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MacDOM #5 The Fifth Mini'app'les Macintosh DOM, February 1985 Preview by Steven E. Baker

The fifth MacDOM was made available during the February MacSIG meeting. The disk does not contain any System Folder files and will not boot. The disk contains the following applications, documents and files:

SWITCH - Same application as Start Up appearing on the third MacDOM, but a nicer icon. The program allows you to switch diskettes as the start up disk (Top Disk on Desktop) with rebooting the system or opening a file on the lower NOTE this can be done from the keyboard without using this program with the following method....Open the System Folder on the new or lower disk and while holding down the Option and Command keys, double-click on the "Finder". By doing this, you force the Mac to run the Finder on the new disk...thus making it the "Boot Disk" and removing the old Icon from the desktop.

ACLOCK - This application displays an analog clock on the Macintosh screen. Click to start the clock, then click a second time to to quit the program.

This application MenuEdit written by Andy Hertzfeld at Apple. allows you to edit the menus of any application, cut and paste menus between applications and create new ones for your own applications. No documentation is available at the present time, experiment.

VersaTerm - A VT100, Tek 4014, and DG D200 terminal emulator program. No known documentation available.

MacKermit - Another modem program written in "C". No documentation currently available.

Hangman - The children's game where you must guess the correct word of letter within a specific number guesses, or you are hanged. The program uses the file "words" for data.

Snow - Or Winter in Minnesota - A small application program by Jeff Miller written in "C" to demo QuickDraw written in "C" to demo QuickDraw routines. It looks the nicest if you have the New York font in your system. program.

ogram. Occasionally bombs. Missile- A nice Mac version of the Command, AntiBallistic Missile Missile Uses the mouse to control your

cities ABM defense system.

ViewPaint 0.5 - Program displays the upper left corner of MacPaint documents. Very useful in previewing a picture to be used as a start up screen without using the program Screen Maker. can be used a quick viewer of MacPaint without running files the MacPaint program.

MacArt MacPaint documents

Mini'app'le member David Stovall.

MusicWorks File - Contains nine music documents to be used with Hayden's "MusicWorks" program. Downloaded from Compuserve by Bill Busch.

Music Files - MacPaint documents by Mini'app'le member Ken Edwards that can be used to create your own music sheets

using MacPaint.

Multiplan Files - Home Budget and templates for use Amortization Multiplan spreadsheet by Ken Edwards. document the MacWrite instructions to Home Budget.

Special thanks to Earl Keyser and Bill Busch for sharing many of these programs with the MacSIG membership. to Dan Buchler, Also thanks Carter, Paul Howe, Andy Martin, Don O'Brien for help copying MacDOM's.

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MacDOM #6 The Sixth Mini'app'les Macintosh DOM, March 1985 Preview by Steven E. Baker

This month's MacDOM #6 contains a number of interesting applications and desk accessories for your usage. Please note this disk does not include the system folder files and will not boot.

12c Folder - Experimental desk accessory in the form of a calculator. Please read the MacWrite documentation included

in file before attempting to install. File Text Editor Folder

File - An application demonstrating the basics of file management, printing and mulitply windows within a program by Cary Clark.

Instructions - Brief File document describing the program File and the

Macintosh user interface.

More Info - File document describing the programming behind File and list of known "bugs" in program.

C.ramdisk - Public domain ram disk for 512K Mac.

BinHex - Program used to upload and download files/programs from other computers, for example Compuserve.

Data Flow - A visual (icon too) parallel programming language for the Mac by Gustavo A. Fernandez. Dataflow programming is a cross between flow-charting and electronic circuit design. Read MacWrite document Dataflow.Doc to utilize this program.

iago - A strategic capture game played on a variable sized board. Similar to Reversi on MacDOM #1. Instructions are included within program.

Hands On - A workshop that brings binary trees playground to life! Complete instructions with the program.

Switch - Another icon version of the application also known as Start Up and Move to Top. (Not to be confused with Apple's new Switcher).

Sonar - A Microsoft Basic program

appearing in MacWorld.

Kermit.doc - documentation to Mackermit (MacDOM #5) in MacWrite format.

Nightmare - A graphic nightmare by Fred Bockmann. Program to be tried only during the day, not for the timid.

Desk Accessories Folder - Several new

Desk Accessories Folder - Several new desk accessories that can be installed by using the Desk Accessory Mover program by CE Software.

Trap List - A primitive utility to find out the addresses of the Macintosh ROM traps. Not very useful unless you are debugging the ROM and have memorized the trap codes. (Same as the W command in Macsbug).

Heap doctor - A bunch of functions which became Macsbug.features.

Ram Display - A window into the Mac's memory which is updated periodically. Primitive, but perhaps useful to some.

Journal - This is how the guided tours were made. Note that things must be EXACTLY as they were when you play back a journal as when you recorded it, else things will bomb very quickly.

Delete File - A very nice desk accessory to delete a file from outside

of the finder.

Sleep - Clears the screen and displays bouncing apples until the

mouse button is pressed.

Key Caps - A new version of the standard desk accessory which has an extra menu which lets you view the key caps in all of the fonts in the system.

Print Spool - another printer

spooler, like MockPrint.

Corvus Cal(endar) - Monthly

calendar.

Icon Work Folder - Information to aid in designing and creating your own icons.

MacWrite, the Movie - Derived from the standard MacWrite program with "Fred" adding additional keyboard commands to most of the pull down menus. [This program was included on a disk of programs from the local Apple office.]

Bricks - Game using the mouse to deflect a ball against a layer of bricks

by Roger L. Gould.

MarART Folder - A few pictures, including a nice MacPaint application by David Stovall for planning your lakeside vacation cabin.

MusicWorks Folder - Several music document files to be used with Hayden's

"MusicWorks" program.

Several of these programs and the desk accessories come from SMUG disks, the Stanford Macintosh Users Group, Stanford University, California. We will be exchanging DOM's with this group in the future and hope to get some great programs from the Apple university system and the heartland of Apple Computer, Inc.



An Applewriter //e Enhancer by Steve George

Don Lancaster has been writing about electronics and specifically about computers and interfacing for several years. His writing has always appealed to me, due to the way he presents complicated information in an easy-to-swallow fashion.

I enjoy using Applewriter][but am just a little jealous of those of you who can use the //e version. Thinking that Lancaster's latest publication, TEARING INTO APPLEWRITER IIe, would help me to better understand my AW][, I sent for his \$30 set of disks.

What you receive is 3 disks (6 sides) jammed with text files (AW//e format, of course). 1800 SECTORS(!) of text on disk... Hmm... After 'converting' it to AW][(just reducing the file sizes to bite sized portions), I sent it to the printer in condensed mode and: 80 char line width, 58 lines per page. 150 pages later, I had a great technical reference manual of the internals of AW//e. About 1/3 is verbiage discussing things like: Memory Maps, Page Zero Uses, Entry Points, and Memory Management. The remaining 2/3 is Tables such as: Work File Details, Main Program Detailed, How to Patch, and How to Capture Source Code.

The information it contains isn't really what I was looking for, but for you //e users it could definitely be a bonanza! Let me know if you'd like to glance at the hard-copy before you decide to 'pop' for these disks.

[Lancaster now offers his User and Hacker (3 disks each - 6 sides), in a combination: the info of each on 4 disks - 8 sides for \$40]

In addition, Lancaster sent along a copy of one of his previous books -- he definitely follows his own philosophy of giving the customer something extra (detailed in the free book!).

Finally, he maintains a (toll) "enhancing hotline" for you to call with

questions. Very impressive!

In the words of Bob Sander-Cedarlof (author of the S-C Assembler) ... "After completely thorough analysis, he documented [AW//e]... It doesn't matter if you like Applewriter or not. You still tremendous amount learn a Don's text reading through and Of course it is better if you comments. DO have Applewriter //e, because he tells you how to make some great customizing modifications"

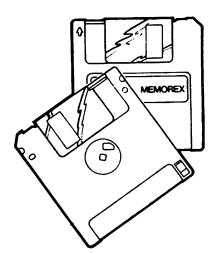
"TEARING INTO APPLEWRITER IIe", is published by Synergetics, Box 809, Thatcher, AZ 85552.

\$ & & Formatter Erratum

59000 DC\$ = RIGHT\$ (STR\$ (INT(DC + (DC < 0) * 1 + (DC > = 0)* .005)) + "." + RIGHT\$ (STR\$ (INT ((ABS (DC) + 100) * 100+ .5)),2),10)

The erratum was the missing final paraenthesis... hope you can use this.

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DOM #34 by Pete Gilles

This DOM is a collection of Apple Writer //e utilities written in Apple Writer Word Processing Language (WPL). With the exception of one small file that came from the International Apple Core (IAC), this disk is the work of Tom Ostertag. And a considerable amount of work, it is. Tom has provided over 360 sectors of text arranged in about 75 WPL This is a nicely integrated set of utilities and documentation. Documentation, you say? Yes right there in the form of user selectable WPL files are short descriptions of the utilities that may displayed on your monitor. Like hard copy, you say? Well, one of the utilities provided will convert WPL control characters to the form [L] so that you may print a WPL file.

How do I access these wonderful utilities? Well you begin by booting your Apple Writer //e. Place the utility disk in drive two. Strike Control-P and in drive two. type:

DO ME.FIRST, D2.

If you forget to put the utility disk in drive 2, you will get an I/O Error message from Apple Writer //e. Press RETURN to move from the banner page to the Main Menu which is shown below.

Main Menu

- Introduction to Program.
- 2. Description of Utilities.
- 3. 80/40 Column Alternative.
- 4. Use of SPECIAL Glossary.
- 5. Use of a STARTUP Program.
- 6. Installation Procedure.
- 7. Exit Utility Program

I will let you read through Selection 1. If you choose Selection 2., you will get the Documentation Menu below.

Documentation Menu

- A. Copy Multiple Files.
- B. Delete Useless Files.
- C. Convert WPL Files.
- D. Print Multiple Files.
- E. Print Multiple Copies.
- F. Free Sectors On Disk.
- G. Put Catalog in Memory. H. Count Words/Characters.
- I. Set Print to Screen Option.J. Print an Outline.

The descriptions given below are a portion of the documentation provided for each of the utilities.

Copy Multiple Files--This utility will transfer files from one AW//e file disk to another. It will prompt you with the file name and you can choose to copy or not. (Like FID only without rebooting.)

Delete Multiple Files--This utility will delete unlocked files from a file disk. It will prompt you with the file name and you can choose to delete the file or not. (Saves time working with [O]F.)

Convert WPL Files -- This utility will convert six commonly used control characters to characters that can be printed. This is a useful feature since going through a file and changing them manually can take a considerable amount of time.

Print Multiple Files--This utility will print all unlocked files on a AW//e file You will NOT be prompted with the file name.

Print Multiple Copies--This utility will print multiple copies of a AW//e file. You will be prompted for the file name and drive.

Free Sectors on a Disk--This utility determine the number of Free Sectors, Used Sectors, and files on the disk. You can choose determine sectors on several disks.

Put Catalog in Memory--This utility will produce a printed copy of the chosen disk's CATALOG. You can use this feature to produce hardcopy lists for your use without having to boot each

Count Words/Characters--This utility count number the words/characters in an AW//e file. program is already on the AW//e Master disk. It is updated to make is easier to access. IT DOES MAKE A MESS OF THE FILE, SO SAVE IT FIRST.

Set Print to Screen Option--This utility will change the print value file (PVF) so a text file can be viewed on the screen without the fast scrolling and the [S] keystrokes to control the speed of scrolling. If the SPECIAL glossary has been loaded, [G]r will restore the default print value file, or this WPL will

Print an Outline--This utility is part of a set of imbedded print control commands that are loaded into the



DOM #34 (page ii)

document in memory from the SPECIAL glossary. This option removes the comments that are included to clarify the positioning in the document so the document is printed and saved without the comments. (Sounds like a poor-man's Think Tank)

The Main Menu also contains Selections with instructions for the installation of these utilities on your Apple Writer //e disk (be sure to use a copy!); with details of creating STARTUP program and notes on SPECIAL glossary for an Epson FX-80. Printing out the documentation of these features is left as an exercise for the user.

BONUS SELECTIONS:

TAX.85T READAT SCREEN DUMP These files represent S.J. Fine's latest version of the Federal Form 1040 AppleSoft program, revised from the one previously published as a DOM, now just in time to do your taxes. You should move all three of these files to another initialized disk before running them because TAX.85T will create a data file, which will not fit on this DOM. (Note article "DaisyWheeling" elsewhere in this newsletter.)

Besides the above tax program, there is only one other file on this disk that did not come from Tom Ostertag. It was supplied by the IAC. It will correct a bug in Apple Writer //e when used on an Apple IIc. Take a look at file APPLEWRITER//E PATCH if you are having this problem.



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Stockpak II and Value/Screen A review Revisited by Eric Holterman

In the January issue of Mini'app'les I reviewed Stockpak II and Value/Screen. The following comments may further add to your evaluation of the programs.

First, the equipment they run on is the Apple][series of computers with Applesoft Basic. Mac users are out of luck for now. Value/Screen's manual does not specifically include the //c so you might doublecheck with them if you have a //c. Stockpak II will work on a minimal system including 48K and one 64K and two drives is disk drive. highly Value/Screen recommended. requires 64K and two drives. They also sav an 80 column card is required. found I could use the system OK without by using control A to flip back and forth between the right and left sides of the screen. An 80 column card is desirable. While all output can be seen on the screen, a printer is highly desirable for both systems.

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Stockpak II is changing their refund policy to a refund within 60 days if dissatisfied, instead of a prorata refund at any time. They also have a new trial package available which allows you to operate the full program with the exception of printing graphs. It is provided with one month's data and goes for about \$30.

I have discovered one drawback with Stockpak II that I was not aware of before. It will not perform a sort on over 50 stocks at once. You can use a screen on the data base that produces over 50 stocks and produce reports on the results, but they will always be in alphabetical order by ticker symbol. The reports will also be generated in batches of no more than 50 stocks. Value/Screen will do sorts on over 50 stocks and produce the reports. largest number I tried was over 350 and Value/Screen worked fine (in a slow sort Normally a 50 stock limitation of way). in the sort proceedure would not be a problem. After all, the purpose of the program is to screen the data base to find limited numbers of stocks that meet strict criteria. The only reason I found it is that I work only with optionable stocks and wished to create some lists of all these stocks. I have found ways around this limitation for my purposes and consider it a minor irritant. faster speed of Stockpak II, for purposes, is easily more important than the greater sorting ability of Value/Screen.

Lou Grant Syndrome! by Steve George

Heard an interesting statement on "Lou Grant" the other night. In context it related to reporters and newspapers, but it can also apply to Mini'app'les members and our Newsletter. Something to the effect that... if we keep it to ourselves, we end up with a lot of information (individually), but a lot of white space in the Newsletter. Hmmm...





LETTER TO THE EDITOR

As an author of Micro Member (sic), I wish to respond to the recent decision of the board of Mini'app'les to discontinue the publishing of this program. I only learned of this decision, and of alleged program bugs, by reading the minutes of the last board meeting in the February issue. As a loyal club member since 1981, volunteer worker at the club booth computer shows. newsletter at contributor several times, and member in good standing of the Business SIG, I think that my husband and I should have been informed directly in regards to The fact that we have such a decision. signed agreement with the club specifically stating that no termination can occur until 90 days following written notice did not seem to be taken into account either.

I also believe that in stating that we were unable or unwilling to take care of program bugs, our reputations in the area of support to past, present, and future software and other computer-related activities was unfairly blemished.

I hope that in the future Mini'app'les will treat its members/contributors/volunteers with more respect and courtesy.

Paula Ozols

RESPONSE FROM THE BOARD

At the January 1985 Board meeting of Mini'app'les (The Minnesota Apple Computer Users' Group, Inc.) a decision was made to terminate sales of the Micro Mailer MSD. Despite monthly advertising of Micro Mailer and its availability at club meetings and at shows, stocking and promotion of this product is not justified by sales.

The board was aware of the agreement with the authors of Micro Mailer. As part of that agreement, there is a clause which specifically states that "At any time Mini'app'les may discontinue sale of the program for cause without prior notice." Sales were terminated in accordance with this clause.

As part of the board discussion of this matter, it was the perception of several board members that purchasers of Micro Mailer were having trouble with the program and that there was a lack of support. Since this was discussion and not part of the official motion, it probably should not have been printed in the minutes. Regretfully it was and the

board apologizes for any bad feelings caused.

It is unfortunate that you had to learn of the club's decision by reading the minutes of our board meeting. It is difficult in any organization, especially a organization such volunteer Mini'app'les, for all communication and events to be coordinated perfectly. Each of the board members and staff of Mini'app'les devotes an extraordinary amount of time to the operation of the This is in addition to normal club. responsibilities occupations. \mathbf{of} our Things do not always get family, etc. done when we want them to. additional problem with an organization such as Mini'app'les is the tendency for individuals to assume that "it is someone Looking at the department." elses situation with hindsight, notification of the decision could have come from any one of several board members.

We are making progress in this and other aspects of running the club. You are probably aware of the recent reorganization of the board and its activities, but all of this takes time.

Minitappiles Software Disks MSDs

3 Great Disks:

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Higher Print by Dan Buchler, Message Maker
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Higher Print provides a high density print capability with a selection of fonts and more if you own Higher Text from A.P.P.L.E. The newsletter headers and logo are printed with Higher Text.

Message Maker requires that you own HIGHER TEXT. It serves as a tool to create and display, on your screen, messages which scroll up and down, left and right and do other useful things.

Higher Word Processor is a easy to use line oriented text editor suited to letter writing and everyday home use. It integrates with Higher Print.

All MSDs are available at meetings, to members only, for \$15, or by mail from Terry Schoeppner for \$17.50. See classified ads.



MINUTES OF MEETING Board of Directors, February 13, 1985 by Ken Slingsby, Secretary

The Board of Directors met at the Minnesota Federal Building in Roseville.

The Secretary's Report of the January eeting was approved as written.

meeting was approved as written.

The Treasurer's Report was read and

approved.

The Club has been asked from time to time if help was available for the deaf at the meetings. There are money and people available as signers at the main meetings. Prior notification is required. For further details, contact Steve Lyle, the Coordinator for the Handicap SIG.

The Board reviewed the letter, a "letter to the Editor" and the contract with Ms Paula Ozols, author of the Micro Mailer MSD. Also reviewed was the letter written on behalf of the board to her. These are reproduced elsewhere in

the newsletter.

There were two requests to sell items at the main meetings: Mr. Steve Tharp wishes to sell the remaining stock of a software dealer/distributer at reduced cost to the members. This sale will take place at the February 20th meeting. Mr. Al Peterman wishes to sell some of the hardware/software that he has accumulated over the years in his business. This sale will take place during the April General meeting, provided the site will allow sales. Both sales were approved by the Board.

A Nominating Committee was formed for the upcoming April election of officers. Elected to the committee were Hugh Kurtzman, Chase Allen, Dave Laden, and possibly two others. If

anyone has a suggestion for a possible nominee for office or if anyone is interested in any club position, they are strongly urged to contact one of the Committee members.

The main purpose of the meeting was to discuss possible changes to the main meeting format. Several suggestions were reviewed,

including:

A Swap Night for sale/ trade of hardware and software in original condition.

Invite Apple Reps more frequently.

- Seminar format.

- Fixed format speaker presentations much like the present format.

Demonstrations of hardware and of software. These and other features will be presented at future meetings. Watch the Newsletter for details.

Mr. Doug Sasse briefed the Board on his efforts to start a branch group at Mankato. It was explained that if he can get a group to form a branch on a given date, they can become members for \$12 each. These members would not get the new member kits. The new branch would receive a master copy of DOMs (for local copy and distribution), a master copy of the new member kit, and a Newsletter for each member. All new members joining after that date would have to pay \$17.

The meeting was adjourned.

MINNESOTA APPLE COMPUTER USERS' GROUP, INC.

Treasurer's Report Thru January, 1985

| Balance Forward | | \$7758.37 |
|--|-------------------|------------------------|
| Deposit (ads) Members renewal cards | \$591.48 | 473.00 |
| Deposit (doms, memb.) Univ of M (meeting ren | t 72.00 | 710.00 |
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| printing | | |
| Totals Closing balance | \$2504.32 | \$1183.00 \$6437.05 |

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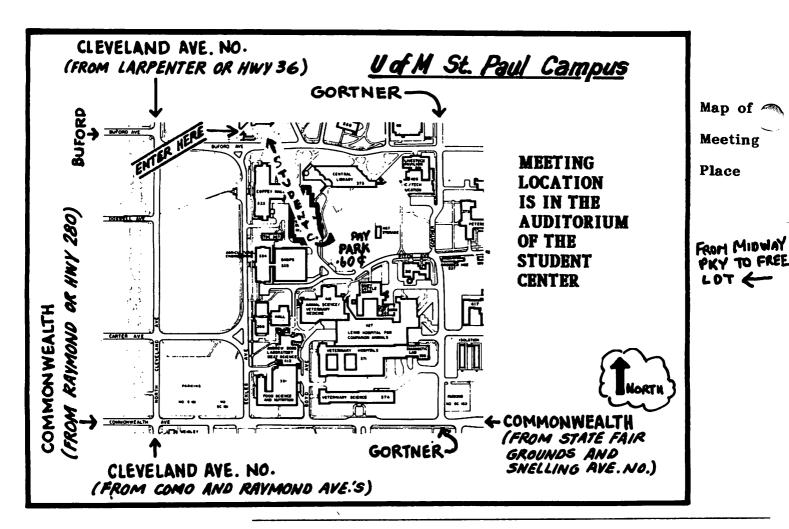
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Panasonic KX-P1090 printer, \$185. ZOOM modem with Netmaster software; \$75. 560-7472 Dave

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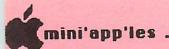
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