D.A.U.G.

Newsletter

DuPage Apple Users Group

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JANUARY MEETING
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When: 7:30 pm, January 14, 1986

Where: Lincoln Center
       Maple, E of Main
       Downers Grove

Topic: A New Income Tax Program

Other Dates to Remember

Jan 22: DAUG Board Meeting (7 pm, Downers Grove Library)
     28: Applesoft SIG (Call 968-3897 for details)
Feb 11: Regular meeting: Selecting a Word Processor
     19: DAUG Board Meeting (7 pm, Downers Grove Library)
     25: Applesoft SIG (Call 968-3897 for details)
Mar 11: Regular meeting: Our Second Annual Auction
     19: DAUG Board Meeting (7 pm, Downers Grove Library)
     25: Applesoft SIG (Call 968-3897 for details)
Apr   8: Regular meeting
     16: DAUG Board Meeting (7 pm, Downers Grove Library)
     22: Applesoft SIG (Call 968-3897 for details)

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                 O F F I C E R S
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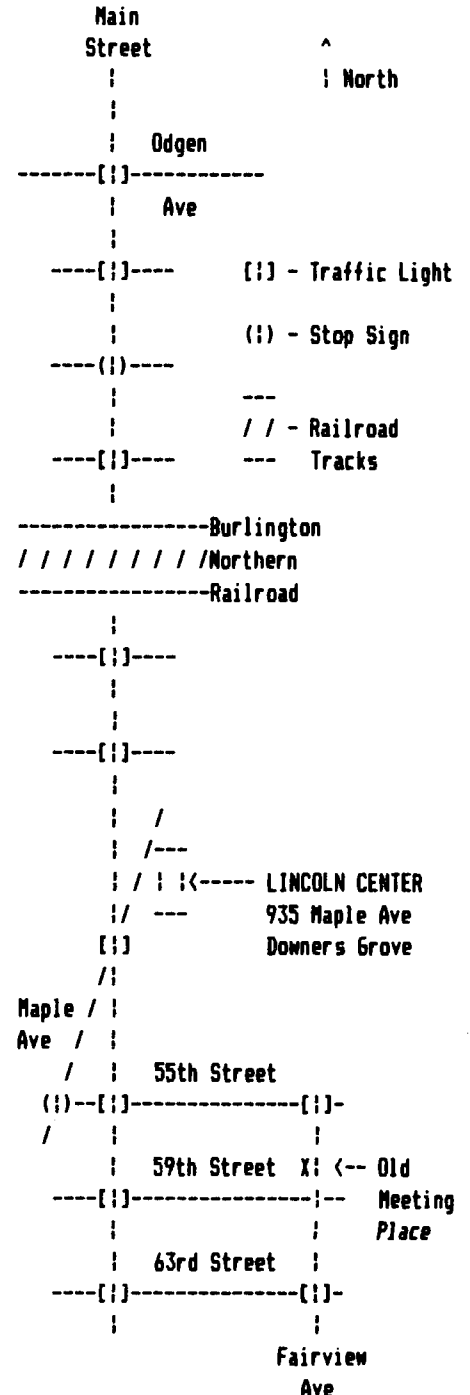
     President: Bob Konikow   968-3897
     VP/Membership: Jim Cormack   960-5691
     Secretary: Bruce Mansfield   420-1608
     Treasurer: John Sandora   352-3059
     Librarian: Detlef Adolff   766-7741
     Program Ch: Ed Danley   969-4433
     Editor: Don Smith‡   629-5033
     Directors: Chuck Jonah   985-5497
                    Priscilla Walling 964-4894
          ‡Subject to membership approval

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MAP TO NEW LOCATION
     Main
     Street   ^
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                    Fairview
                    Ave

December Meeting

As you read in last months Newsletter, our Newsletter
editor had to resign for personal reasons. This leaves us
with an empty slot on the board of directors. Nominations
were held, with election to occur in January, to fill the
post. Don Smith stepped forward and volunteered for the
position. Nominations will be reopened at our January
meeting. If you would like to run against Don, or would
like to be an assistant editor, please be at the meeting
and volunteer. (By the way, Don is responsible for this
months Newsletter.)

Speaking of our January meeting, N E W   L O C A T I O N ! !
Starting in January (this next meeting) we will be meeting
at Lincoln Center in Downers Grove. Look for a map
elsewhere in this newsletter.

Our grand and glorious Disk of the Month dealer, Detlef
Adolff, fell into the holiday spirit, and provided us with
a DOM that features Santa staring in his own game trying to
deliver his goodies to your house. You have to see that
one! Detlef also another Special DOM (#11). This one is for
APPLEWORKS users. It allows you to print your spreadsheets
and databases sideways in order to get one continous
listing. APPLEWORKS users, don't miss this one.

Our Main Event for the night was our 4th annual contest.
This year their were 11 entries for both the][and the
Mac. Prizes were donated by: Farnsworth Computer Center,
Softwaire Centre', CBM Computer Center, Micro City, and
DAUG.

Be sure and get the February DOM for a copy of the][
programs that were presented (at least those that are not
copywrited/protected).
Ed Danley

Future Meetings

Future meeting topics under consideration include: Apple
driven household controllers (BSR?), EMAIL with the Apple,
educational software, Music Cards, Spreadsheets, another
Game night, and Artifical Intelligence (some is better than
none.)
If you have any knowledge in any of these areas or have
other suggestions for meeting topics, please let me
(969-4433) or any other club officer know.
Ed Danley

GET OUT DOM # 1 and use the NEW FLY KILLER!

Q. What did one computer bug say to the other?
A. Don't sit under the Apple //e with anyone else but me!

(From Readers Digest)

Flash - FLASH - F l A S H

We are planning to have a Disk-of-the-Month that consists
entirely of member donated programs in February. If you
have a program that should be considered for inclusion,
please bring it to the January meeting on a disk. You will
immediately receive back a fresh blank disk, and will also
earn a free disk-of-the-month of your choice if your
program is included on the DoM.

So if you wrote a fantastic subroutine that you use all the
time, or if you ran across a Public Domain Program that
solved all kinds of problems for you, or if you've got a
new or interesting way to perform a routine task, please
share your good fortune.

Please include any kind of documentation that will make it
easier to explain or describe the benefits of your program
to the other club members.
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Treasurers Report for	NOV	DEC
PREVIOUS BALANCE	320.50	594.90
REVENUE		
Membership	228.00	140.00
Monthly DOM's	200.00	130.00
TOTAL REVENUE	428.00	270.00
EXPENSES		
Refreshments	6.41	15.39
Operational expenses	3.25	24.00
Newsletter+stamps	114.00	103.75
Diskettes	---	90.60
Memberships	---	12.00
Rent	---	109.00
Prize fund	30.00	---
TOTAL EXPENSES	153.66	404.74
NET INCOME	274.34	-134.74
ENDING BALANCE	584.90	460.16

John W Sandora

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INDEXING THE CLUB'S DISK LIBRARY

-- AND OTHER ADVENTURES

BY BRUCE R. MANSFIELD

Who ever thought our DOM library was so big (I, for one, didnt). A 128K Apple isnt big enough to hold the catalog information for all 1700+ programs at one time! I could have split the index into two parts, for example, but what would I do a year from now? Besides, the cost of memory boards has been coming down, and I've wanted to get at this project for some time. During my ongoing adventure in getting a memory board to work (see my other article), Detlef (our illustrious club librarian) suggested that the club could also use a comprehensive index of programs in our DOM library (64 disks as of year's end, 1985).

Here it is, the results of my efforts in assembling an index of over 1700 programs. I'm taking the trouble to write this, so you will appreciate the trade-off's involved, not to mention our need for your input in compiling a USEFUL index.

Each program is described with the following 7 fields of data: (1) Volume Number (2) Program Category (3) Program Name (4) BAIT type... Binary, Applesoft basic, Integer Basic, Text file (5) Is it Prodos? (6) if it is prodos, is it hidden in a subdirectory? (7) Notes-- not used yet. The Volume Number is the DAUG DOM volume number (a "/" suffix denotes side 2 of a two-sided disk). The program names were generated automatically by reading the DOM disks. The other fields, except for the Program Category, are self-explanatory.

Program Categories were tracked before. In the month I was to sell DOM's in Priscilla's absence, I noticed we had a printed listing of the first 3 years of DOM disks. My listing contains many of these categories, and a number of new ones, also. Category descriptions are found in those data entries where "-->" appears as the Volume Number. Your mission is to suggest additional categories that would be helpful to the club, as a whole.

One glitch I soon discovered, is that some programs are not really programs at all, but are dummy program names that spruce up a catalog listing of a disk. No sense in keeping track of these. So, if someone were to duplicate my efforts, the count of program names probably wouldnt be exactly the same. I've also deleted programs named "HELLO" (as the number of Prodos disks grows, "STARTUP" should also be deleted -- but be careful, DOS 3.3 Applewriter also uses special, unique, programs named "STARTUP").

Below is a listing of the program Categories. Please be aware that many of our programs dont fall into clear-cut categories. I've appreciated the dilemma of commercial software houses have had in "molding" programs submitted to them into the now-customary pidgeon-holes. For example, some of our programs give trivial results, but have real value in illustrating a nifty programming routine. Then again, there's a question of perspective. A graphics programmer can do a bang-up job in classifying graphics-related programs, while a machine-language programmer will spot programs dealing with that particular interest. So? So, let us have your input, the categories you think should be assigned to a program (along with the programs in that category). If one person picked out just one category, the whole thing would come together quite nicely. I see my efforts here as getting the ball rolling -- its a start, and (probably in a year) should be revised to add new DOM disks. Your comments and corrections can be added at that time.

As a general rule, I've tried to keep as general an outlook as possible, when categorizing a program. For example, I had all educational items under "EDucation" category. Realizing later that this category usually means material that would be presented in grades K-8, I revised the index accordingly. Then again, I've identified programs that would be useful in writing a database program, for example, but I refrained from calling these "database" programs.

CATEGORIES (WITH COMMENTS INCLUDED)

"!" -- items of general interest to every club member. Includes club bylaws, and an earlier version of this index.

"%" -- the volume name of a DAUG DOM.

"--" is the Miscellaneous category (no sense writing out "misc" every other time a program's indexed).

"BUS" -- business programs. Who's business... used where? at home, office, lab? What does a "business" program mean to you?

"DB" -- database... like File Cabinet.

"ED" -- Education (k-8).

"GA" -- games, all kinds (along with some very special purpose routines for writing a game).

"GR" -- graphics, routines for, programs to show, binary pic files, too.

"HO" -- Home...one of the smallest categories...it must have meant something to someone at some time -- should it be deleted or brought back to life?

"HW" -- hardware-related programs...for testing joysticks, CRT alignment, Disk drive speed.

"MA" -- mathematics...of every type and application.

"ML" -- Machine Language...how-to, full-blown programs, routines...etc...does not include graphics-related items (which are easily identified as having an existence all their own).

"MO" - modems...more here than 1 thought!

"PR" -- printer-related items...generally, does not include word processor items unless they're really relevant.

"SO" -- Sounds...not a put-down of music, ...but rather a broader category of all noise-making items.

"SS" -- spreadsheets...expect Appleworks to take this category over by force.

"U" -- utilities... a real can of worms to the casual indexer of programs... I tried to tame it by creating subcategories.

"U.D" -- Utilities-disk ...Disk-related Utilities.

"U.S" -- Utilities-Screen... including how to get it from the screen to some other place, (like a printer)...also, how to modify what you see on a screen (without retyping it).

"WP" -- workd processor-related... mostly Applewriter and Freewriter. Applewriter and WPL programmers tend to generate a large number of small files.

Here they are. I've tried to describe what the categories meant to me. Its now yours to improve upon. Let's hear from you!

Holiday Contest

Our 4th annual Holiday contest was again a big success. The entries ranged from comercial software for the Mac and][series, to a Fractals lesson with a Holiday theme. This year we had 11 entries. Prizes were donated by our local stores. The stores and there donations were as follows (in no particular order): Microcity, a large diskette storage box; Farnsworth Computer Center, 2 - $25 Gift Certificates; CBM Computer Center, a $15 Gift Certificate; Computer Junction, a $25 Gift Certificate; Software Centre' International, a $15 Gift Certificate; DAUG, 10 diskettes with box, a set of EAMON disks and an Apple Pin, free DOM's. The major winners were Ralph Stein, John Waterhouse, Bruce Mansfield, Ed Danley, John Sandora, Harlan Anderson, Ken Walling, and Detlef Adolff.

A special thanks to Chuck Jonah for again bring his now famous punch, and to Pricilla Walling for bringing the cake.

Everyone seemed to enjoy the event, so lets start planning now for the 5th annual event this coming December. See you then!

Ed Danley

H E L P   L I N E
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The following members have volunteered to answer questions by phone on the subjects listed. Please be considerate when calling for help. Think through your question; collect all the information; and don't call later than 10 p.m. If you'd like to help, let us know.

Apple Writer IIe: Chuck Jonah,985-5497
Applesoft: Chuck Jonah, 985-5497
Appleworks: Bruce Mansfield, 420-1608
DOM Infro: Detlef Adolff, 766-7741
DOS: Chuck Jonah, 985-5497
Interface: Rufus Teesdale, 469-8836
Mach Lang: Chuck Jonah, 985-5497
Macintosh: Randy Paulin, 366-3274
Modems: Rufus Teesdale, 469-8836
Magic Window: Ed Danley, 969-4433
Supertext: Dave Dohmeier, 941-1645

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Memory Boards and Memory Lapses on my //e

By Bruce R. Mansfield

It all started when Johnathan (an overactive five year old guest) who wanted to play "that flyswatter game". By sheer luck I found the DAUG DOM that contained the program. That was when I REALLY decided it was time to catalog not only the club's disks, but other all-but- forgotten disks in my collection as well. It quickly became apparent that a 128K Apple was too small to handle (in memory all at one time) catalog info of the club's 60+ disks. I was becoming motivated to enter the market for a memory board.

In this corner of the world, I found two and a half popular products. Two of them not only give lots of memory, but also extend the internal limitations of the Appleworks program. The third (Apple's own memory board) does not (at this time at least) extend the internal limits of Appleworks. This was important, since I wanted to use the famed desktop 3-in-1 program to keep track of my disk collection (if you saw my presentation of Quickfile, you know why).

At the outset, I wish to thank Fran Wence of Pentagon Enterprises, Lisle Illinois, for his patience in bearing with me as my //e failed to satisfactorily test memory board after memory board (three new memory boards, in total). We thought we had an answer for the first one (Checkmate Technology's MULTIRAM board): the company had received a bad batch of chips that caused their board to fail erratically, from time to time. By coincidence, right this time (Thanksgiving weekend), Applied Engineering made available their latest (RAMWORKS II) memory board, and so we tried two of those. When they also failed, suspicion fell on my //e motherboard (gasp!). These type of products use bank-switching techniques to access the extra memory... BUT the bank switching circuits on my motherboard had worked just fine with Apple's extended 80 column product -- flawlessly, over several years of operation. Confusion set in as Apple dealer after Apple dealer (4 in total) was unable to analyze the problem, or even ta a wild guess as to what he proglem might be. The service departments even doubted if the ast-ditch gamble of exchanging the mother board (@ $180.00) would solve the problem.

Supressing growing waves of anxiety, punctuated by occasional pangs of frustration, I called the Applied Engineering hotline (provided with each of the Applied Engineering boards). At first, the conversation went the same route, but I persisted, focusing our conversation on my electronics experience. After establishing my determination to tackle the problem on a hardware level, things changed. I asked: "What specific part of the //e motherboard do YOU suspect, given the symptoms that I have described?" After a short pause, I was given the sage advice to change out four common, garden-variety chips surrounding the AUX slot. I was told that these chips buffer data transmitted through the MMU (Memory Management Unit -- a king-size chip right next to the AUX slot). I was given fresh inspiration (not to mention a modicum of hope). Apparently those 89 cent chips, while failing to meet the needs of the memory boards, were "in-spec" as far as Apple was concerned -- according to the service departments, if the computer worked ok with Apple's extended 80 column card, then it WAS ok . I was told (at each of the four dealers service centers) there were no fancy tests for the particular circuits under suspicion (or any other circuits, for that matter).

Obviously, since I'm taking pains to expain all of this, I was able to solve the problem. A $1.50 chip (I paid twice the going rate) set everything right, and all was forgiven between me and my Apple. Apparently, the chip was a tad slow for the memory board's liking (even though the extended 80 column card didnt seem to mind). If you encounter similiar problems, you might want to have the service department try a similiar experiment (or you can atteapt it yourself if you're careful not to damage the motherboard). Luckily, all four of the chips in question were socketed (rather than soldered in place). Even so, I took extreme care to power down first, to discharge ANY static electricity I may have been carrying, and to avoid (at all costs) ripping the sockets out of their soldered mountings.

The four chips under suspicion cluster around the AUX slot. Three of them form a "T" at the rearward end of the AUX slot (that end away from the keyboard). These three comprise a 74LS245 flanked by a pair of 74LS244 chips. The fourth chip (74LS374) lies at the middle of the AUX slot, at its righthand side (this was the culprit in my machine). As a footnote, Applied Engineering identified the 74LS245 chip as the most likely offender (curiously enough, this was the bad chip that fell into the hands of the hapless manufacturer of my first memory board).

I never had a lick of trouble since, and the DAUG DOMs are finally indexed (see my other article in this issue).

From: Bob Konikow

OPEN-APPLE -- A Review

Once a columnist, always a columnist. At least that is
what seemed to happen to Tom Weishaar, writer for the late
lamented Softalk. When that publication suddenly folded
and deprived him of an outlet, he apparently decided that
instead of looking for another editor in this overcrowded
field, he went out and started his own publication, one
quite different from anything else in the field.

Called Open-Apple, it is published once a month, in small
type on thin but fairly opaque paper, generally 8 pages a
month, although the first 10 issues have added up to a
total of 88 pages. Since it carries no advertising, it
manages to include a surprising amount of material.

It's not for the beginner, but rather for those who enjoy
knowing what goes on inside the Apple. It is, however,
written clearly and refreshingly. I like the following
quotation: "...known as a dip switch. These little boxes
of 4 or 8 switches are built into the most inaccessible
area of the device you want to communicate with. (You have
to 'dip' your fingers into the electrical soup to use them,
hence the name.) They are specially designed so that each
individual switch is too small to see, yet flipping or
sliding it requires the hoursepower of a tow truck."

Most issues contain a number of short items, including
Q&As, but some concentrate on a single topic. Vol 1, No 10
(Nov 85), for example, devotes almost all its space to
solving printer problems, and it is one of the clearest and
most complete explanations of why things go wrong in this
interrelationship between computer and printer I have come
across.
Open-Apple can be reached at 10026 Roe Av, Overland Park KS
66207. An annual subscription is $24.
        --Robert B Konikow

Member Advertisements
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By popular request, we provide this service. Listings will
be run without charge for any member in good standing. Copy
is limited to 6 lines, each 3 1/2", and should be sent to
the Editor ready for paste-up. We will run as many ads as
space will allow.

ATTENTION APPLEWRITER//e USERS

Our club has a mystery disk that may be of help to you. In
addition to last month's DOM, our library has another disk
filled with tutorials, helps, and other good things for
users of the Applewriter //e program. The disk, reported in
the June DAUG Newsletter, was not assigned a number, so you
might have missed it. Also, I understand that the disk is
omitted from our club's software listings that are given to
new members.
The mystery disk (DAUG DOM Special #8) is filled (over 400
sectors) with tutorials and other helpful programs and
files to assist you in exploring the glossary, WPL, and
other features of the Applewriter //e program. It also has
a completely rewritten HELP program that is more helpful
than Apple's HELP program. The menu screens are also
modified for easier visual reference.
If you have any questions regarding this disk, please
contact me.
                Bruce R. Mansfield
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HOW TO SUBMIT NEWSLETTER ARTICLES
Articles for publication in the DAUG Newsletter can be
given to any of the officers at the regular monthly
meeting. They can also be mailed directly to the Newsletter
Editor at the following address:

                DON SMITH
                20 S. LODGE LANE
                LOMBARD, ILL 60148

The deadline for submission of these articles is the date
of the board meeting (see the schedule on page 1).
Remember, the Newsletter is for you and by you. As an added
incentive for you to submit an article, you will be
entitled to a free DOM during each month you submit an
article. We can use articles from newspapers and magazines
(except Nibble) and your own creations are especially
welcomed. Reviews of hardware and software are particularly
useful to the entire membership.
Please have each submission consist of the following:
  1) a printed copy of your article
  2) a diskette containing your article
  3) the word processor used to create your article
  4) your name and telephone number
Your cooperation is needed and appreciated.