



JULY, 1989

Dear Fellow ADAMite,

Welcome to our "new" officers! And thanks to Frances Bell for sending me the minutes of the meeting. It helps a lot, Frances. Actually, we were so happy with our old officers that we unanimously re-elected them. John Terry returns as president, Francis Bell as secretary, and Francis Terry as treasurer. They have done a super job for us in the past! The only vacant slot was vice president. When Monte Neece accepted the nomination for that position, he was unanimously elected, too. MOAUG is fortunate to have people willing to give of their time. That also includes our appointees, such as George Drank, Jack Tilson, and Rick Covell; our newsletter contributors; the people who regularly attend meetings; and even our silent supporters. (We know you are still with us when you send your dues!)

Let's hear it for the Indians! This issue features the second part of Ricki Gerlach's Learning with LOGO series, and a brand-new beginner's column by CP/M Librarian Jerome Hess. Rich Lefko's column is, as usual, PD... Perfectly Delightful! Monte Neece has contributed another of his ADAMCON updates. Monte has also written minireviews of some of the door prize donations to date. I forgot to mention that Monte used Speedywrite to design the flyer in last month's issue. The flyer is being widely distributed by other groups... **THANKS!**

I should be getting used to it by now, but it still knocks me out when the entire ADAM community puts its weight behind a project. It makes me believe that there's nothing we couldn't do. I'm hoping we get a really big response to our request for photos. Many people have commented that the Rogue's Gallery may be one of the best features of the convention. Personally, I'm very camera-shy, but I believe in trying to be a good sport about it. I hope everyone who must miss the convention will be a good sport, because we really want to "see" you! I promise we'll take it on faith that you are much better-looking than can possibly be shown in a photograph. Honest.

Next meeting is:

Sunday, July 9

1:45 P.M.

(ADDRESS ON BACK COVER)

Aren't these midsummer thunderstorms a lot of fun? By the time I get home from work in the evening, I don't dare turn on my modem. (Ray, I really miss those CIS disks!) In fact, I unplug the modem when it's not in use. One summer I lost a modem even though the computer wasn't turned on. Just a reminder....

See you Sunday! - Pat

ADAM LIVES!!

**PD****Doesn't Mean****"Poorly Done!"****by Rich Lefko**

What does PD mean and what does one do with it?

Well, it doesn't mean Pretty Dull! In fact, there is some Pretty Desirable, Practically Distracting, Potentially Disturbing, PD software out there! Enough of that!

"PD" means "Public Domain". What's that mean, you ask? Public Domain software is software that has no copyrights in effect. Which means it can be freely distributed by anyone. Is that the same as "Freeware" or "Shareware"? No, not exactly. While PD software can be sold and resold, Shareware and Freeware programs were intended to be given away only. Also, they may have program lines that are not allowed to be edited or deleted, whereas PD software has no such restrictions.

So what's out there? I can safely say, "Plenty, Dude"!

PD quality is about the same no matter who is selling them, except for the quality of the media perhaps, so the big differences are price and selection. My suggestion is once you decide on a piece of PD software to buy, check as many publications and catalogs as you can to find the best price. Prices can vary as much as \$4 on a single volume!

There are a multitude of SMART-BASIC and CP/M PD volumes available as well as unreleased COLECO titles. Let's briefly take a look at each one.

BASIC PDs usually contain anywhere from 50+K and up. These programs can range from graphic displays, utilities, and text games, to arcade-type games. The vast majority are not up to commercial quality but some come

Pretty Darn close! Two that come to mind are "NERM", which is a real cute arcade type game, and "PUFF", by DEI, which is a commercial-quality graphics game. They are both very well done. Another advantage of PD programs is the ability to list the programs in BASIC. Once listed, one can see how certain things are executed and can even incorporate those tricks into their own programs.

There are literally thousands of CP/M PD programs just waiting out there for you! They run about the same type as BASIC PDs, however there seems to be many more utilities; probably due to the nature of the CP/M system. One that comes to mind is "GAMESAVE.COM" which will copy carts to disk or datapack and allow you to boot and run them from either type of media while in CP/M.

When I talk about unreleased COLECO programs I don't want you to think I mean "unfinished". Yes, to a certain degree these programs are unfinished, but usually all they are missing is a few bells and whistles. Please note that unreleased titles do contain bugs but I have never run into one that affected game play.

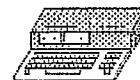
Some of the better unreleased PD software is: Jeopardy, Video Hustler, Spy Hunter, Temple of Apshai, Cabbage Patch Adventure in the Park, War Room, and Pinball Construction Set & Hardhat Mack.

PD software is also available from many BBS boards. Compuserve has an extensive BASIC and CP/M data library as does ORPHANWARE. The latter is free except for connect charges.

So if things have been Pretty Dull lately because you can't afford any commercial software titles, check out PD, you'll be pleasantly surprised. Please Do!



"ADAMCON 01: UPDATE"



AS OF JULY 01, 1989

The first-ever meeting of ADAM Users is shaping up as a major event in the history of the ADAM computer! MOAUG members are excited about the strong response from the ADAM community! Response has come literally from all over North America - Los Angeles to Seattle, Vancouver to Toronto, New York to Miami! More registrations are coming in daily. A gathering like this can only accelerate the further development of support for the ADAM!

ADAMites are committing their time and resources to making ADAMCON 01 a huge success. Several major users groups have pledged their support. Our special thanks to EMERALD COAST ADAM USERS GROUP, NIAD, MW RUTH CO., and PUGET SOUND ADAM USERS for printing the registration form in their newsletters, and to all the others who have done the same that we may not be aware of at this time. So many of you have spread the word via newsletter or BBS. At least one AUG is sponsoring a member to attend ADAMCON 01 as their club representative! We think that is a great idea and would like to see ever AUG have at least one representative at the convention!

W RUTH CO OFFERS A 30% DISCOUNT TO ALL WHO ATTEND ADAMCON 01!!! Jay Forman, president of MW RUTH, was one of the early respondents and was very excited about the prospects of an ADAM convention. He wanted to support MOAUG's efforts by offering to distribute thousands of ADAMCON 01 flyers with his catalogs. But that's not all! As an additional enticement to all who are considering attending ADAMCON 01, Jay offered to make MW RUTH's extensive catalog available to ADAMCON 01 attendees at a huge 30% discount! Special order forms will be included in every registration packet. Jay and Ruth Forman will both be present at ADAMCON 01 and hope to meet many of their customers there.

Phil Kosowski of KOSOWSKI ADAM REPAIR will also be present. Phil

has donated 3 ADAM CPU repair certificates for door prizes. We hope to have Phil and Tony Morehen of Ottawa conduct a session on ADAM hardware basics.

Eric Danz of ADAMZAP will be there to demo his graphics programs. He is offering a "2 for 1" certificate to convention goers good on any of his ADAMZAP software products.

We are also excited to hear of Lyle Marschand's plans to attend. As one of the early leaders in the development of ADAM users groups, and publisher of one of the most respected ADAM newsletters, Lyle is certainly a welcome addition to the convention!

We have also received commitments from Dave McIntosh, Tony Patterson, Pat Herrington and Steve Pitman.

Steve has also made door prize donations of his very popular programs. As mentioned before, Solomon Swift will be present to demonstrate GO-DOS and GO-BASIC.

Faye Deere, columnist for "Computer Shopper", and Jim Marshall of MMSG are trying to arrange their schedules to allow them to attend.

MOAUG should have all the commitments necessary by the end of July to fill out the various sessions. We expect the sessions to include at least the following:

CP/M Workshop, Graphics Workshop, Hardware Workshop, panel discussion on future developments for the ADAM, roundtable discussion on business applications, home and educational uses of the ADAM, and more!

If you haven't registered yet, please do so right away! We must confirm our needs to the hotel by August 1st. If you don't have a registration form write to ADAMCON 01, c/o Monte Neece, 1048 Winter Springs Blvd., Winter Springs, FL 32708. Or call Monte at 407-695-9199. We want to see you in Orlando this October!

ADAMCON DOOR PRIZE DONATIONS

1 Two round-trip tickets on American Airlines to any AA city in US/Canada!

-----Courtesy of American Airlines-----

2 Two Tickets to Walt Disney World!

-----Courtesy of Pat Herrington-----

3 4 copies of ADAM BOMB!

2 copies of DINOSAUR DIG!

2 copies of MIND OVER ADAM!

-----Courtesy of Steve Pitman-----

4 5 copies of SCREENCHOP!

CP/M utility software. (Not PD)

-----Courtesy of ELLIAM ASSOCIATES-----

5 2 copies of BACKUP+ 3.0!

2 copies of COPYCART 1.0!

2 copies of EASY COME-EASY GO!

-----Courtesy of MMSG-----

6 Hard Disk Interface Kit!

-----Courtesy John Lingrel/Tony Morehen-----

7 2 copies of TEMPLE / SNOW DRAGON!

-----Courtesy of Digital Adventures-----

8 2 copies of POWERPAINT!

2 copies of GO-DOS!

-----Courtesy of Digital Express-----

9 2 copies of SPEEDYWRITE2!

-----Courtesy of David White Software-----

10 1 YEAR SUBSCRIPTION TO:

MOAUG NEWSLETTER!

11 1 YEAR SUBSCRIPTION TO:

ECAUG NEWSLETTER!

12 1 PD VOL COURTESY ECAUG!

-----MANY MORE TO BE ANNOUNCED!!-----

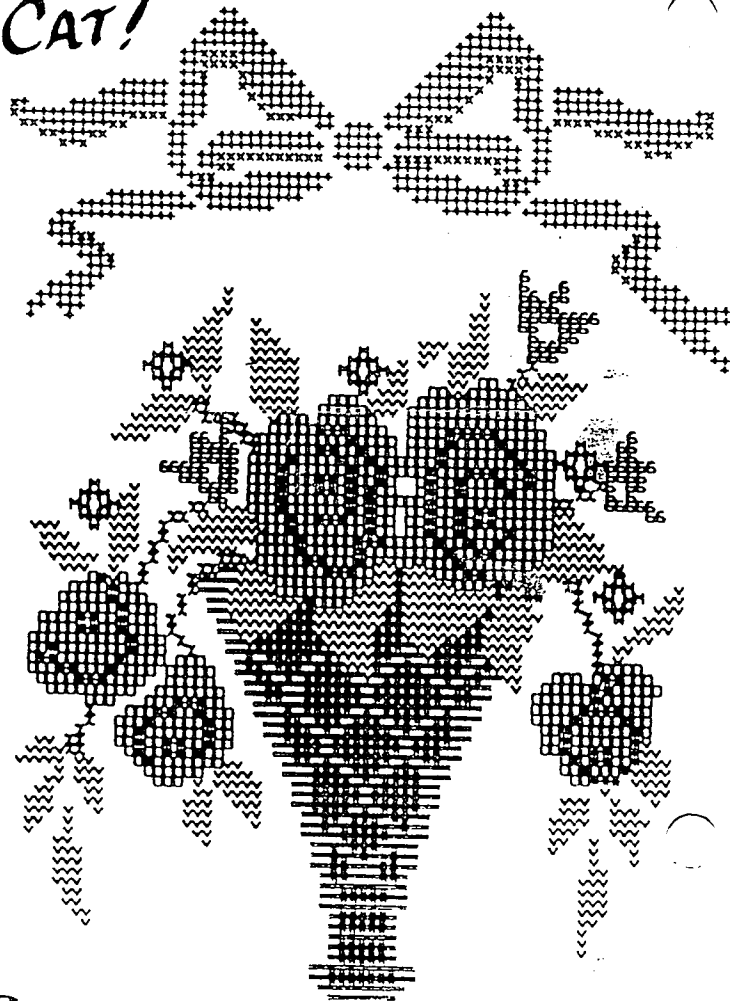
THERE'S MORE THAN ONE WAY TO SKIN A CAT!

In the January issue, we observed that cross-stitch patterns could be a handy tool for designing computer graphics, because they are laid out similarly... both types of design are composed of squares.

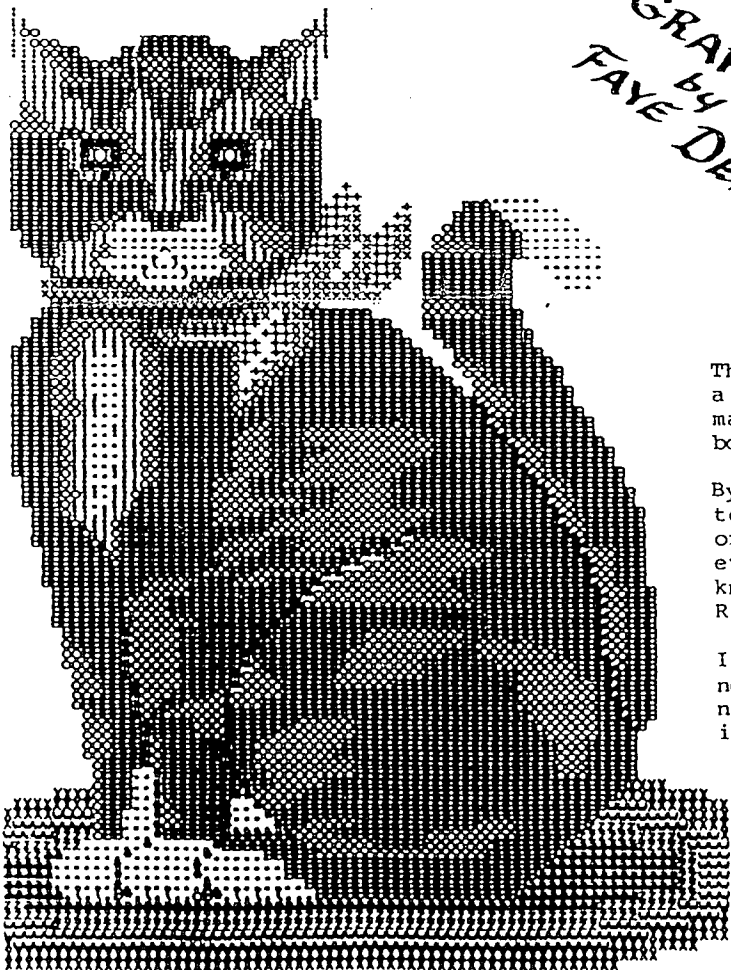
Well, we got several responses from people who thought that was a good idea. We also heard from several folks who had already been experimenting with such patterns.

One of the most interesting letters came from Faye Deere, of the Emerald Coast AUG, who also sent hardcopy of some pictures she had developed using cross-stitch patterns... and a WORD PROCESSING program! Faye used the Digital Express program Showoff II to enter these pictures. (They are reduced here... the originals are about a full sheet in size.)

Pretty impressive, aren't they?



GRAPHICS
by
FAYE DEERE



They turned out so well that when she exhibited them at a club meeting, most of the people who didn't have dot matrix printers went out and bought them. (And they bought Showoff, too.)

By the way, we are still looking for cross-stitch patterns of Christmas scenes for Ricki Gerlach, who has offered to make them into Public Domain graphics for everyone's benefit. If you are into needlework, or know someone who is, please share your patterns with Ricki (and, by extension, the entire ADAM community.)

If you enjoyed these pictures half as much as I do, why not let Faye know? You can leave her a message on the national ADAM Echo by calling the Midas Touch BBS, and it won't cost you a cent.

BIOS CALL

by
JEROME HESS

Hi, I'm Jerome Hess and I'm your new CP/M librarian. I'll not waste the space with an introduction in hopes that over the next few months we'll get to know a lot about each other.

Instead I'm going to just jump right in and start off by glossing over the CP/M starter pack that I have put together. On this Disk (or DDP) are 18 of the PD utilities that I think that everyone should have in order to get comfortable with CP/M. Over the next several articles I will be going in depth about each of the programs as well as answering any questions that might arise. The starter pack is yours for the asking; all that is required is that you supply me with a SYSGENED CP/M DDP or Disk that will show me that you have a legitimate copy of CP/M and that I won't be breaking any laws by handing out the revised BIOS.

Enough of that, on with this show.

FILE EXTENSIONS - and how they are used.

On this "pack" you will notice 4 different file extensions (the 3 letters that come after the "." in the file name), .DZC, .COM, .4Z, .LBR. These extensions are short indicators of what kind of files these may be. The .COM files are all "command" files that may be "run" by merely typing in the first part of the file name; ie: TRUE30 <return>. This will load and run the file from the drive that is indicated.

Secondly there are .LBR files. These are actually groups of files that have been arranged together in a "library" so as to save space and make storage more efficient. Usually all the files in a single "library" are

related. To access these files you must use NULU.COM. For those of you who can't wait for the article on NULU I'll give you this: You must put a dash "-" before all of the one-letter commands and -m or -h will give you the command screen.

Lastly there are the .DZC files. These are Documentation files for programs or they may be information files. The "Z" in the second position indicates that these files have been "crunched" using CRUNCH.COM. As they are, they are only good for saving space, but by using UNCR20.COM you can turn them back into completely readable text files.

The other file extension present is 4Z and that is really just another crunched file. It's not a CP/M program, but a SmartBASIC program; but I think that it is such a great program that everyone ought to have a copy. Once you've uncrunched it, use CPMADAM.COM to transfer it to an EOS tape and run it from there.

On to the STARTER PACK! The first thing that you will notice when you boot up this pack is that the LOG-ON screen is different from the original. This can be changed using CONFIG.COM, but since I don't have a color monitor I just left it the way it was. The Smartkeys along the bottom are missing, but if you really like them, they may be toggled back by using SHIFT-UNDO in sequence. Several other modifications are that a DIR will show files in single column and that the size of each file as well as the space used and remaining are displayed. These are just a few of the mods; for more info, uncrunch ADAMNEW.DZC and print it out. If you do this please disregard the INSTALLATION instructions for the new CCP, as you already have it installed on your STARTER PACK.

CONTINUED, NEXT PAGE

BIOS CALL

JEROME HESS

- CONTINUED -

Upon Boot-up I would STRONGLY encourage EVERYONE (who doesn't have an 80 column display) to use

TRUE30.COM. True30 is a utility that allows ADAM CP/M to use a 30 column display instead of the "moving window" format that it originates in. Merely type TRUE30 <return> and when it asks if you would like the 80 columns changed, just hit the "y" key, and it will implement the change for you. Any other key will result in the program aborting.

Next there's UNCR20.COM, that will allow you to get at all those *.Z* files. This is a very easy program to use and I'll even step-by-step an example for you: Let's get at ADAMNEW.DZC. When using UNCR20 always make sure that you have twice as much free space as the file is when it's crunched. For example ADAMNEW.DZC is 3k so we need at least 6k of free space on the DDP or disk that we are going to use. Once that is established type (at the command line) UNCR20 ADAMNEW.DZC <return>. Uncr20 will now go to work uncrunching the file and putting it into a useable form. The author of UNCR20 was thoughtful enough to give us a display to show us that the program is actually doing something, and for those larger files, something to look at while it's working.

Once the program is uncrunched, you may "TYPE" the file to read it on the screen (TYPE ADAMNEW.DOC) or you may use one of the enhanced functions called LIST. List will send whatever file follows to the printer (LIST ADAMNEW.DOC).

Well, I think that should get everyone started. The best suggestion that I can make for you is to "backup" your STARTER PACK and then just start running the different programs. The programs are PD, so they're free. And there really isn't too much harm you could do with what is here (except for ABP25.COM - PLEASE read those Docs first!) And if you do make a mistake you can always get another one!

I realize that this first column is rather disjointed, but I want to make sure that if anyone who has the pack already needs any questions answered then they can ask at the next meeting. If you would like a copy of the STARTER PACK, just bring a SYSGENED DDP or DISK to the next meeting, or send one to me with adequate return postage (college students are inherently poor) and I'll get it out to you. If, on the other hand, there are specific programs that you need or questions you'd like answered, drop me a line :

Jerome Hess
P.O. Box 678203
Orlando, Fl. 32867

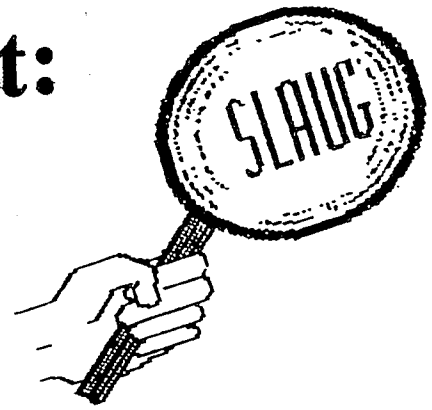
Or leave a message on the MIDAS touch ADAM ECHO (which was procured for us by prospective member Richard MEIZLIK.)

THE MIDAS TOUCH

(407) 648-1133

Last month, right after we went to press, sysop Dale Malone of The Midas Touch changed the type of software he uses to run the board from OPUS to Quick BBS. The new software is faster. But now, when you call the Midas Touch, you will need to set your options to 8 data bits (this is listed on the options menu as Smartkey II, "char format") and No Parity before you call. Otherwise you will see garbled characters on your screen. If you are just learning to use your ADAMlink modem software, and you aren't comfortable with changing options, ASK. It's REALLY simple! These settings allow you to call most local bulletin boards. If you call Compuserve afterwards, though, you need to change back to the defaults (or just reboot ADAMLINK.) A rule of thumb is, if you get garbage on your screen, try resetting your options. With Dale's new setup, the ADAM ECHO is no longer in "Message Area 23", but is the first selection in the National Messages area. You can also use the local message area. After you log on for the first time, Dale will call you to confirm your status, and you will be a member of Midas.

...A Closer Look At:



This article is the first of a series which is long overdue. The brief updates we try to bring you in each issue simply aren't doing the job. So we will be featuring one group or organization per issue (or as space permits.) An appropriate place to begin is with the Saint Louis, Missouri, ADAM Users Group. Though SLAUG is relatively new to the scene, the group has developed quickly into an active and vocal organization with the energy to pursue ideas that many of us have just talked about in the past.

The prime motivating force behind SLAUG is the same set of principles that the majority of AUGs espouse. That is, they want to see the ADAM community unite behind issues that concern us all, and they want to share information. There are many ways of accomplishing information exchange, but because ADAM users are so spread out, there are real difficulties in getting all the information to all the people. The best we have been able to do in the past is to exchange newsletters (virtually all groups who publish newsletters are willing to exchange with each other, offering reciprocal reprint permission) and to try to keep up with each other's electronic bulletin boards. But there's no such thing as uniformity of information exchange. Maybe such a thing is impossible. But SLAUG is determined to hammer away at the problem.

SLAUG has thrown several proposals out for consideration. Among the ideas they want us to consider are: a national confederation of ADAM users, with delegates from each local AUG; a toll-free number for isolated ADAMites to call; regional ADAM meetings, in addition to or in place of regular conventions; letter-writing campaigns on issues of interest to ADAMites, including various hardware development projects and legislation that could affect us; and many other ideas that are still a bit vague, but potentially quite valuable. (You will remember that SLAUG played a prime role in keeping the community informed about developments in the Sol Swift mystery.)

Some time back, SLAUG was considering a nationwide ADAM newsletter, to be published simultaneously by all AUGs, with each group contributing, then adding a page or two of local news to the national publication. This had already been tried once by the gHAUG newsletter before it separated from the Houston group and became a commercial venture (AIM.) It may or may not have met with any success, but we've heard no more about it. It seems that ADAMites are, by their very nature, a bunch of mavericks, and resist any imposed structure. If any nationwide effort is to be successful with a majority of the groups, it would have to be pretty loosely structured. The idea was dropped. Recently, however, it has reappeared in new (and improved) form. SLAUG has been sending out disks to all newsletter editors with items which they may choose to print in their own newsletters when and if they see fit.

Although there is nothing inherently new in sending each other articles, this is the first organized attempt to reach everyone with one mailing. ADAMites are invited to submit any news they would like to see circulated, and to distribute all the other info as widely as possible, through publications, bulletin boards, or word of mouth. Again, the idea is not quite jelled, but it seems destined to grow into something that will benefit all of us. There are many ways we could go with this. At the very least, it can provide us with a quick and painless way to pass on local news without everyone having to write individual letters to everyone else. A "chain" or "tree" type mailing would make it possible for each of us to mail out, say, three disks a month to people who would do the same. In no time at all, and at very little cost to any individual, the entire community would be informed. Interesting concept.

The man behind all this is Barry Wilson, a lawyer and co-editor of the SLAUG newsletter. Barry has the soul of a crusader, and when something intrigues him, he hangs on like a pit bull. Barry's soapbox style isn't boring, though. He has a wonderful, wry sense of humor which serves him well, and his enthusiasm is contagious.

St. Louis AUG's newsletter is published monthly. From its inception, the Saint Louis newsletter was thick and full of information. It improves with each issue.

When the SLAUG news was first published, it was made up almost exclusively of reprints from other newsletters. THERE IS NOTHING WRONG WITH THIS. It served its readership well (few people can afford to subscribe to all the newsletters.) It was slightly difficult to read, though, because it consisted of a lot of reduced, photocopied pages stapled together haphazardly. SLAUG continues to use a lot of reprints, but the format has improved considerably since Michael Keith took over much of the work involved. There are also many new features and original articles.

(continued, next page)

... Closer
Look
at:



Jim Guenzel is the president of SLAUG, and also its technical advisor. Jim is known within the ADAM community as a person who is knowledgeable about both hardware and software. He writes for SLAUG only occasionally, but his articles and reviews are always well worth reading. Jim Duffy is the group's vice president; he is program chairman and oversees special projects.

Dennis Desmet keeps the club's written library up-to-date with copies of the newsletters from other groups (something that we are working on, too.)

Mike Keith is co-editor of the newsletter, and also PD librarian. Mike is apparently responsible for the new design of the newsletter. He writes editorial columns and informed software reviews (he is particularly interested in graphics.) Mike has established a funny tradition of printing one page upside-down "for those who are nostalgic about the old issues", which were copied any which way they landed on the copier.

Don Buelteann is secretary of SLAUG and writes a monthly column based on notes from club meetings.

Aaron Hamlett is a long-distance SLAUG contributor from Texas who writes a monthly CP/M column called "CHAOS CORNER." Hector Sanchez, also from Texas, has made several valuable contributions to SLAUG, including a SmartFiler database of vendors and AUGs, ADAMCALC programs, and more.

Al Fitzgerald is treasurer of SLAUG and the telecommunications expert. He runs the group's BBS. He is also a cheerful and friendly participant in the ADAM club forum on CompuServe.

Membership in SLAUG is \$23 annually. As with most groups who publish a newsletter, the dues barely cover the cost of publication and postage, and sometimes not that. (SLAUG's newsletter is thicker than ours and costs correspondingly more to mail.) If you are interested in joining the group, or if you would just like to offer your support in any way, write to them at:

12967 Weatherfield Dr.
St Louis, MO 63146

If you would like to call their BBS, the number is : (314) 773-1551. Use ADAMLINK's default settings. The board is up Thursday through Sunday, 9 PM to 6 AM.

SOFTWARE MINI-REVIEWS

by Monte Neece

PITMAN SOFTWARE GAMES

1. Mind Over Adam

This is Othello with a twist. It has interesting graphics, sound, and imaginative use of color. I didn't care for the "evil" look to the graphics but it probably won't bother most. If you like the mind game Othello, this is sure to be a favorite.

2. Adam Bomb

I loved this game! The clever name is indicative of the creativity. Thirty screens? It took me an hour to get past the first one! And if you do ever work your way thru all 30 mazes (each screen is a diabolically designed maze) there is a utility included to allow you to design your own screens! This one is going to be a classic!

3. Dinosaur Dig

My children (ages 7 and 9) were enthralled with this one. It's hard to believe this was written in basic. Three very colorful and varied screens. It took an hour and 15 minutes to "find" all of the bones. This may be a little long for short attention spans, but the game is clever in its design and has some humorous sound effects.

I would recommend all of these, but if your budget allows only one, get ADAM BOMB. You will enjoy the challenge.

MMSG PROGRAMS

1. Back-up+ 3.0

This program has been around for a while, but it's worth mentioning again. This is as good a file management utility as you will find. Clear, well organized docs, and a menu driven utility program makes this program a must have.

2. CopyCart 1.0

A well written, easy to use utility to copy those game cartridges onto datapacks. If you have game carts cluttering your work area, this is a utility you must have.

3. Easy Come, Easy Go

While the title makes this program sound like a game, it is actually a financial management tool. There are other programs that perform the financial calculations done by this program, but this is the only program I know of that puts them all together. Best of all it's done with the same quality programming you find in MMSG's other programs.

Amortization Schedule, Payment Table, Loan Totals Table, Savings Calculation, and Loan Calculation are the functions performed. Output is to the screen, ADAM printer, or parallel printer. If running some figures in the Savings Calc module doesn't convince you to step up your savings plan, then you'd better let someone else handle your checkbook!

Features that contribute to LOGO's simplicity are summarized as:

1. LOGO IS INTERPRETED AND INTERACTIVE. This means that LOGO will try to carry out your commands right away, one line at a time. An interpreted language makes it extremely easy to explore new programming ideas. An interactive language is the major characteristic that makes BASIC easy to use. A noninteractive language like FORTRAN or PASCAL must be 'compiled'.

2. LOGO IS MODULAR. Most modern languages today (except BASIC) share this property. This characteristic of LOGO allows programming projects to be broken up into several smaller, simpler parts. Each part, or 'program', is called a 'PROCEDURE'.

3. LOGO IS EXTENSIBLE. LOGO has certain built-in key words like PRINT and FORWARD. These key words are called 'PRIMITIVES', words that the computer already knows. However, you can create new procedures which are used just like the primitives. An extensible language uses the same 'syntax' for both primitives and programmed procedures.

4. LOGO USES NONTYPED VARIABLES. Most languages have several 'types' of variables: numbers, strings, arrays, integers, real, etc. LOGO uses words (which includes numbers) and lists of words. The same variable in LOGO can be an integer in one part of the program and a character later on.

5. LOGO USES AUTOMATIC DYNAMIC MEMORY ALLOCATION. This means you don't have to worry about or declare the size of lists or words before (or while) you use them.

6. LOGO HAS DYNAMIC SCOPING. Roughly speaking, this means that LOGO will use local variables first, if defined. Otherwise, it will look for global definitions.

7. LOGO USES HELPFUL ERROR MESSAGES. LOGO error messages explain what caused the error and where the error occurs. Debugging programs becomes easy to do.

8. LOGO HAS TURTLE GRAPHICS. Turtle graphics provide a marvelous way to begin learning a new language. The visual feedback is highly motivating and not only teaches the language's vocabulary and structure, but also builds a foundation for the ideas of structured programming.

A list is enclosed by brackets [] You can list instructions for ADAM to follow, as we did in Part 1. Another short procedure is:

```
TO STAR
REPEAT 5 [ FD 75 RT 144 ]
END
```

When entering a procedure, you enter the line: TO (Name of Procedure) and a second line will appear, with the same words. You must move the cursor down to the second line, and hit return, so that it will become part of the procedure. Remember to push Smartkey VI after you type END. Try this one:

```
TO SNOWFLAKE
REPEAT 10 [ FD 50 BK 50 RT 36 ]
END
```

Several commands that we need to know are: HOME, CLEARSCREEN or CS, PENUP or PU, PENDOWN or PD, CLEARTEXT or CT, & CLEARGRAPHICS or CG.

HOME sends the current turtle to the center of the screen with a heading of 0 (facing north, or the top of the screen.) CS clears the screen of text and graphics, and sends the current turtle home. PU raises the turtle's pen, so that it will not draw on the screen. PD puts the pen down, so that it will draw a line as the turtle moves across the screen. CT removes only text from the screen, leaving the graphics intact. CG removes graphics only, leaving any text on the screen.

~ Behind the Scenes ~

LAST MONTH'S MEETING

The business portion of the June meeting was back to normal... SHORT. After the minutes were read and we heard the treasurer's report, we accepted nominations and held elections.

The treasurer drew a cheer when she announced a new bookkeeping system. She is now keeping club records on computer, and using two-part paper to keep track of receipts. This will be helpful in figuring out changes to mailing labels, too. (Rich Lefko is now doing the mailing labels!)

We discussed that the fact that we are building a club library of newsletters from other groups, which can be checked out by members. We would appreciate help from anyone with access to a copy machine. The newsletter editor requested that the secretary send her a copy of meeting minutes prior to publishing date. All this was accomplished in 15 minutes!

After the business portion of the meeting, Jerome Hess distributed copies of the CP/M Starter Pack he developed for beginners. (He gave copies to those who presented him with SYSGENed media.) He gave a brief demonstration of some of its features, and answered questions.

Jerome also explained the National ADAM ECHO available on Midas Touch.

Monte Neece talked about the flyers and letters he has been sending to vendors and other groups regarding ADAMCON. He told us about some of the door prizes we've received, and gave some demonstrations of programs by Steve Pitman and MMSG. He also told us about bargains being offered by vendors at ADAMCON, and gave us an update on some of the people who contacted him. Jay Forman of M W Ruth is not only offering super discounts on everything in his catalog to convention attendees, but is also distributing flyers with his catalog.

All in all, an enlightening and entertaining meeting!

President John Terry
& Treasurer Francis Terry:
4901 Camberlane Dr.
Orlando, FL 32812-1608
(407) 380-1400

Vice President Monte Neece
& Family:
1048 Winter Springs Blvd.
Winter Springs, FL 32708
(407) 699-6887

Treasurer Frances Bell
& All-around Good Guy Allen Bell:
10484 Montpelier Circle
Orlando, FL 32821
(407) 352-0724

HOW DO YOU....?

As your editor, the question I am most frequently asked is, "What do you use to do the newsletter?" The answer is, simply, whatever's handy!

Since I am chronically hurried, the handiest thing for me to do is use SmartWRITER most of the time. When I have a bit more time, I may use a different word processor. Last month's issue was done largely with Jack Reedy's SmartTYPE.

The computer graphics in these pages are mostly done with PowerPAINT and its companion programs, SpritePOWER, FontPOWER, and Clipper. I also resort to pencil, marker, and even dip pens from time to time. I am not above using transfer letters or even a Merlin lettering machine to do some of the lettering. I use the enlargement & reduction features of copy machines quite a bit. And I use a LOT of tape, spray adhesive, transfer film, and White-Out!

In fact, the only thing I won't use is another computer. Until early this year, I had to sometimes use an IBM at work in emergencies. Now that I have my third ADAM set up there, I no longer use the IBM for anything to do with the newsletter. I have nothing against IBMs, except that they are not ADAMs. I would rather not print an ADAM newsletter with anything else. Why confuse the issue? ☺

LATE-BREAKING BULLETINS!

MORE FROM CANADA!

Every day brings more surprises for ADAMCON! Syd Carter, the brain behind Trisyd of Canada, left an ECHO message that he is trying to make arrangements to attend, and that he has a special door prize to donate, VISA (who will be here, too) that Syd is thinking about making a videotape to demonstrate his hardware products, which include 1200 baud modems, tape formatters, and one which may be effective for those whose products are bulky & impractical to ship. We can easily set up a VCR to feature a continuous video show.

WALTERS SOFTWARE
RD # 4 BOX 289-A
TITUSVILLE, PA 16354

WORD FROM WALTERS!

Jim Walters, who with his brother has developed many popular programs for ADAM, may also be here; in any case, Walters Software has already sent valuable certificates to be given away as door prizes. Some current favorites from the Walters catalog include Labelmaker, Borders Plus, and one I just bought called Print Works.

SLASHED RIBBONS!

To our fellow AUGs: We just heard from Steve Majors of The ADAM Connection, a good source of original ribbons for the user printer, and is passing on his savings to quantities of our limited. MOAUG members: Don't like to share in the bonanza. Steve if you would like to share in the bonanza. To all ADAMites dropping sources just yet; our prices will be everywhere: Please do soon. If you no longer want your old ribbon cases. If you no longer want them, pass them along to a user group. (Like us, for example.)

FAMILY AFFAIR!

Allen Neeley of ADAMLINK of UTAH is working on arrangements to attend, and plans to bring his whole family!

SUPPOSE WE GAVE A PARTY AND EVERYBODY CAME?????????

JOE QUINN
6665 TIMBERS DR.
MOBILE, AL
36695
(205) 639-1368

GO, DOS, GO!

The beta version of GODOS is being readied for shipment even as I type these words. By the time you read them, about fifteen copies should be in the hands of vendors and AUGs. The accompanying doc file took longer than expected... Tony Patterson says it was the equivalent of rewriting the SmartBASIC manual. Joe Quinn of the Mobile-based Gulf Coast group helped type part of it in. Joe has had a working copy of GODOS for quite some time, partly because he is so close to Sol and Tony that they see each other frequently, and Joe can get his copy updated with each update. Apparently more enthusiastic with each update. Apparently there have been quite a few refinements since mid-April.

If you have specific questions you want answered, Joe Quinn would be a good person to ask.

Consumer copies of GODOS will be shipped shortly, but I'm not positive of the target date. The target date for the next Nibbles & Bits is mid-July. Depending on the printer, it will be in the mail some time before the end of July. Some of us are as anxious to get N&B back as we are to see GODOS!

MAIL MIXUP!

John Harris sent us copies of letters he received when he tried to place an order with Digital Express through a Missouri address that was on the back of his copy of the DEI PD catalog. That mailing label was a mistake which occurred when SLAUG members helped Sol with the mailing. Actually, Sol Swift can be reached through a number of addresses, but the Missouri address is NOT one of them! He has placed forwarding orders with his original West Virginia address and his Belmont, NC post office box, so if you've mailed to those addresses, you're safe. But the quickest way to reach him is through the new Mississippi address of The SoftWORKS Factory. As you probably know, TSF is a joint venture between Sol and Tony Patterson, encompassing DEI products and new collaborations.

The SoftWORKS Factory
PO BOX 732
OCEAN SPRINGS, MS
39574

WHAT'S BEHIND DOOR #2?

Ron Collins hints that Big John Lingrel is considering something "really special" as a door prize. Talk about intriguing! What can that POSSIBLY mean? BJ has already committed to a hard drive interface... that isn't special ENOUGH?????

... and this is all within the past 48 hours....

*STAY AT LAS PALMAS INN!

*HEAR GUEST SPEAKERS!

PHOTOS!!

BRING YOUR FAMILY!

*BUY! *SELL! *TRADE!

*VIEW THE ROGUE'S GALLERY!

*WIN FABULOUS PRIZES!



PLEASE SEND



*SPLASH IN POOL OR OCEAN!

*VISIT FAMOUS ATTRACTIONS!

*MEET THE MOB!

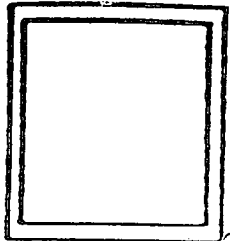
*SHARE TIPS & INFO!

PHOTOS!!

EAT, DRINK & BE MERRY!

*ENJOY AN EVENING AT CHURCH STREET STATION!

*SAVE ON AIRFARE & CAR RENTAL!



EDITOR: PATRICIA HERRINGTON
1003 OAK LANE
APOKA, FL. 32703

