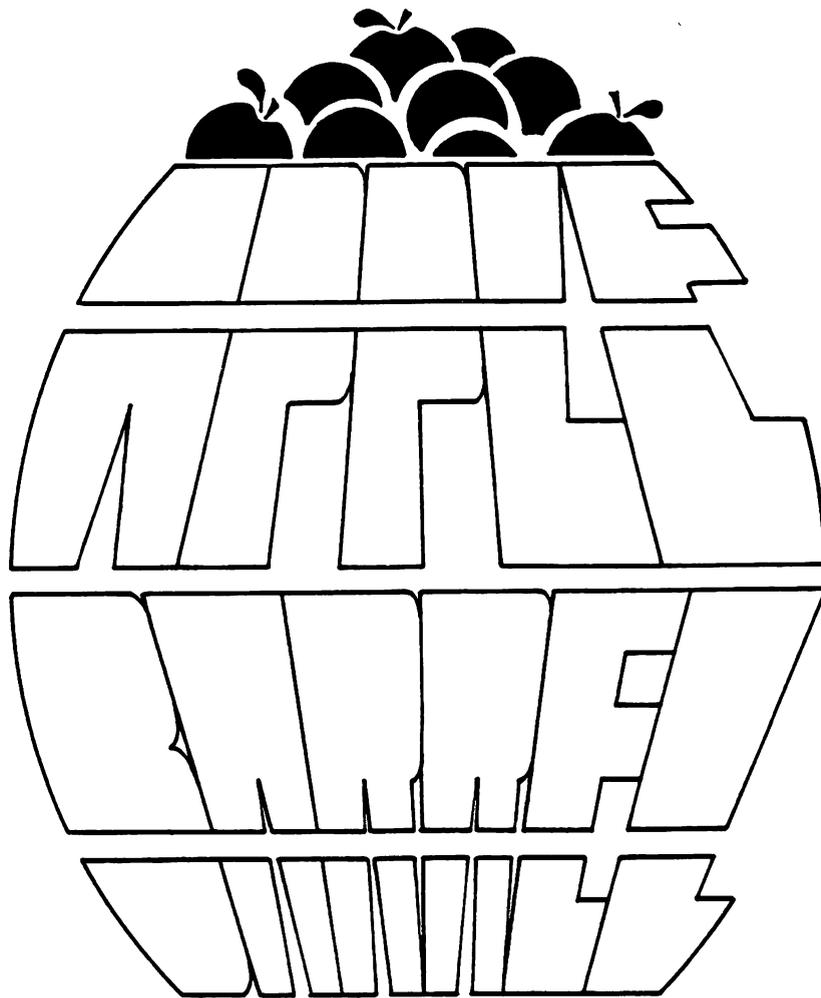


H.A.A.U.G.

HOUSTON AREA APPLE USERS GROUP



VOLUME 9 NUMBER 1

JANUARY 1986

Have you got the old 400K ext. drive? Need the new 800K? Do you want an ext. drive for your Mac? Want more memory? (for the Mac!) Do you have a question? How about three MB's for your IIe? Looking for an internal 10MB hard drive for a IIe? Want more Mac Public Domain software? Do you want to print on the Laser with your II? Did your 74LS give out? And how about a Dual Gate Flip Flop? Do you have a disk in need of repair? Have a yearning to use your modem? In need of a kat or mouse? Are you paying too much for nothing? Can you get proper support from your dealer? Have you tried the 800K drive on your II? Are you tired of reading these questions? Looking for help? In need of a short drive?

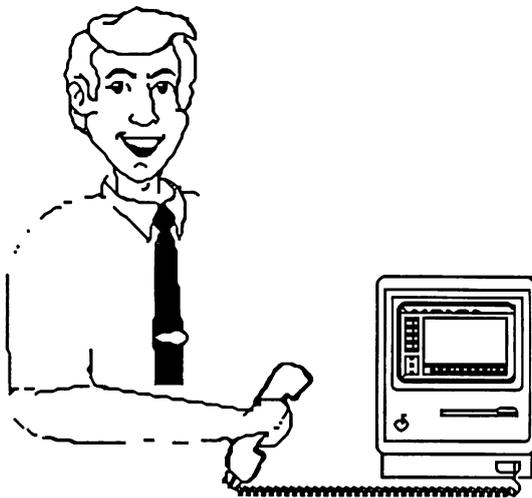
**Do you have the answers to these and others?
Either way we'd like to hear from you.**

Williams Computer Center

Voice 367-1600
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77386

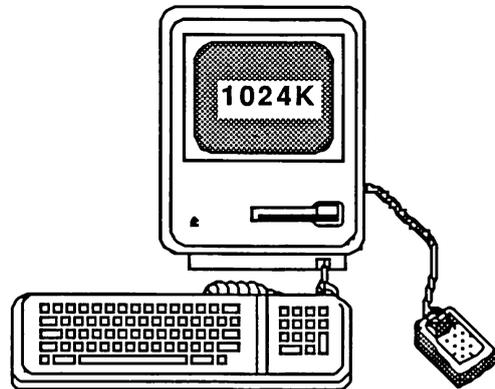
Authorized Apple Dealer



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Ten MegaBytes Internal
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\$1195.00



Mac Plus For:

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Includes Microsoft Word
Six Month Warranty
Three Hours Training

INSIDE THE BARREL

Ina and Mike Levinson, Editors
Midge Kocen, Membership Chairperson

VOLUME 9 NO. 1

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EDITOR'S CORNER

This month's Apple Barrel has something of a new look. Not only was most of it done on the club's Mac, but the by-line for alot of it should read "Kramer".

At a time when the Winter Blahs seem to have taken over everyone, when everyone's work schedules are taking up more and more time, Mike Kramer came through with a long article on his trip to MacWorld Expo and the Apple International User's Conference.

Rick Light, one of our new Mac members, has written an article on Mac Pascal, Larry Saphier, the Mac Public Domain Software Librarian, has given us an informative article on the Library and its operation. Pete Lemettais has written another of his "Ponderings" articles. Mike

Kramer has also written an article on the //c and his Miscellanea column is back.

Contest '86 has officially begun. The first part of it is, to quote Robin Cox, a contest to decide **what** the contest should be. If you have any ideas, please send them in to the club in care of the club's post office box. The Board of Directors will decide and you will win "something".

As usual, the Apple Barrel is in need of your articles. Whether it be a review of a new product (hardware or software) or the trials and tribulations you've faced, your input is welcome.



H.A.A.U.G. NOTES

MEETING SCHEDULE

The HOUSTON AREA APPLE USERS GROUP monthly meeting begins at 11 a.m. on the third Saturday of each month and lasts until about 5 p.m. at the Marriott- Astrodome Hotel, 2100 S. Braeswood at Greenbriar. HAAUG was formed with the express intent of exchanging and sharing information relating to Apple computers. To this end, the meeting format includes a business session followed by a guest speaker, Special Interest Groups, access to the club's public domain library, tutorials and retail sales.

HAAUG HOTLINE (713) 522-2179

The HAAUG HOTLINE provides a means for the members to learn of meeting topics, news, etc., and to obtain answers to Apple-related questions. If the question pertains to a particular commercial product, check the list of volunteer experts elsewhere in this issue and call direct if appropriate. If you want a return call, leave your name, telephone number and membership number.

OFFICERS AND DIRECTORS

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2nd Vice President	Tom Dillon	665-6502
Secretary	John Marek	782-3898
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Editor	Ina Levinson	270-0137
Hotline	Bill Muhlhausen	522-2179
Vendor Coordinator	Jeanne Boucher	723-9519
Program Coord.	Mike Kramer	358-6687

ARTICLE GUIDELINES

Authors of articles, reviews, programs, etc., published in the Apple Barrel receive one blank 5-1/4" disk or one blank 3-1/2" disk per printed page and replacements for disks submitted with text or programs. Articles will be printed using a letter quality printer with a 40 character wide, 12 characters per inch format. Articles and listings should be submitted in draft hardcopy form and on disk as a DOS 3.3, ProDOS, CP/M text file, MacWrite or Microsoft Word document. The file must not contain embedded control characters. Text and listings to be printed as is should be printed no more than 3-1/4" total width with a new ribbon and must be single spaced. The operating system, word processor used, author's name and article/program title should be included on the label of each submitted disk.

MEMBER INFORMATION

6 inch
New memberships are \$30 and include the HAAUG Starter Kit. Renewals are \$20 per year. Make checks payable to the Houston Area Apple Users Group and mail to HAAUG, attention Membership Chairperson. The Apple Barrel is mailed bulk presorted third class mail. An incorrect address will, therefore, usually result in missed issues. Please notify the HAAUG Membership Chairperson of any change in address.

SPECIAL INTEREST GROUPS

One of the best ways to learn more about using your Apple and to take advantage of your HAAUG membership is to participate with other members in the Special Interest Group sessions. The currently active SIGs and their scheduled meeting times are listed below. If any of the special topics are of interest to you, all you have to do is come to that particular session. The club is always looking for knowledgeable people to form SIG groups.



SIG ROOM ASSIGNMENTS

Time	SalonA	SalonB	SalonC	SalonD	Main
11:00	Apple Works	New Mbrs.		Handicap	Mac New
12:00	*****GENERAL MEETING*****				
12:30	*****GUEST***** *****SPEAKER*****				
01:30	Grap.	Green Apple	CP/M Novice		Mac
02:30	Games	Home Use	CP/M Adv.	Pascal	MacAdv. Present.
03:30	Busi/ Stocks	Educa- tion	Adv. Topics	BASIC	

Note: Stock SIG meets on even numbered months and Business and Hardware SIGs on odd numbered months.

SIG CHAIRMEN

AppleWorks	George Pierce	526-5103
Business	Rudge Allen	622-3979
CP/M	Kip Reiner	463-7074
Education	Shohreh Hashemi	499-9954
Games	Thomas Carson	861-5425
	John Newell	531-9139
Graphics	Dick Fairman	723-9619
GreenApples	VOLUNTEERS	
Handicapped	Shohreh Hashemi	499-9954
Hardware	Mark Stevens	341-8197
Home Use	Derrith Wieman	859-7685
	David Jaschke	461-2450
Macintosh	Steve Bass	847-4407
PASCAL	Richard Lemay	749-3135
Stocks	George Marsden	358-3729

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ADVERTISING RATES

Current Circulation = 1500

In/Out	Full	1/2	1/4	1/6	Busi. Card
Cover Page	Page	Page	Page	Page	Card
\$100	\$75	\$50	\$35	\$25	\$15

Ads should be received at the HAAUG address in camera ready form on or before the third Saturday of the month for publication in the next month's issue. A copy of the Apple Barrel containing the ad will be sent to the advertiser except for "Business Card" ads. Prepayment is required. Note: A full page is 7-3/8" by 10-1/8", unless you want holes punched in your ad. Additional information for advertisers is available from the Editor.

PUBLICATION SCHEDULE

The Apple Barrel is intended to be published ten times per year as follows: Monthly from January through July, a single issue for August and September, and monthly from October through November. An eleventh issue (December) is devoted to club elections and contains no advertising. It should be noted that the Apple Barrel is made up primarily of original contributions by HAAUG members. The timeliness of any issue is completely dependent on sufficient material to fill the Barrel. NOTICE: HAAUG RESERVES THE RIGHT TO REJECT ANY MATERIAL WHICH IT BELIEVES IS IN POOR TASTE OR NOT IN THE INTEREST OF ITS MEMBERSHIP.

GUEST SPEAKERS

The March speaker is **Scott Knaster**, Apple's Manager of Technical Support. Scott was formerly active with the users group in Denver and participated in the User's Group Seminar put on by Apple in San Jose in September.

April's speakers are Phil Adam and Sean Hill of **Spectrum Holobyte**. In May, **Palantir Software** will be with us. June has Philippe Kahn of **Borland International**. More on these in the next issue.

Future speakers are currently being scheduled. If you have any suggestions, please leave them at the Apple Answer Desk at the next meeting!

1986 APPLE WORLD CONFERENCE

By
Mike Kramer

The week of January 13, Apple staged the 1986 Apple World Conference in San Francisco in conjunction with the Macworld Expo. The theme of the conference was "Building the Future Together". Apple's goal was to strengthen the working relationship with their business, education, user group, and distribution channel partners. Delegates were selected, according to Apple, because of their leadership roles in their respective fields.

THURSDAY, January 16

CONFERENCE GENERAL SESSION

The first official activity was the Conference General Session which featured presentations by John Sculley (President), Del Yokum (Executive VP Production Operations), Jean-Louis Gasse (VP Product Development), and Bill Campbell (Executive VP Sales and Marketing). Several thousand attendees crowded into The Concourse, a big barn-like building with bright multi-color banners hanging from the rafters and a giant projection TV screen above the stage. Twenty-two cities were linked by teleconference to permit 3500 dealers to see the proceedings live. An Apple person was also transmitting the highlights of the conference to users on CompuServe, a sign of Apple's recognition of the importance of the user.

John Sculley

Sculley stated that this was one of the most important events in Apple's history, the first day of Apple's future. He said that the attendees of the conference were Apple's future, particularly noting that the user group delegates represented more than 200,000 of Apple's expert users.

Sculley stressed that the conference was not just another spectacular (which it was), but rather a new beginning. He stressed that Apple was the most financially stable company on the Fortune

500, with sales the highest ever, inventory under tight control, \$440,000,000 in the bank, and no debt. The R&D budget for 1986 is 50% higher than for 1985.

Sculley noted that customer loyalty continues to grow, that Apple is still educators' number one choice in K-12, and that Apple is the computer of choice in universities. Sculley stated that Apple is organizationally, financially, and technically in the best position ever in educational and personal use, and is now in a position to hold its own in business. He stated that Apple is a catalyst for bold new breakthroughs and is a haven for the best minds. Apple's goal is to produce products to satisfy the real needs of the customer.

In education, Apple has a dream to change the world. Sculley said that eventually students become tomorrow's leaders. He stressed the increasing importance of computers and said that students should learn to use computers as tools, not just for drill and programming. Sculley stressed that Apple's commitment to education won't change, that education is Apple's foundation. As indication of that commitment, Apple will provide growth paths for existing computer systems in schools by accepting any computer in trade on new Apple systems.

Sculley described Apple's current efforts in networking and announced that Apples would be connected to IBM and DEC networks by year end. Sculley also discussed Apple's efforts in special education and the potential for independence for the disabled community.

When discussing the consumer market, Sculley said that computers are purchased for the home for use in home-related business and for the children to continue their school work at home. He mentioned briefly that work was underway to interface video with computers and compact digital disks (CD's). Sculley stressed that Apple was committed to the Apple // line. He then said that he was proud to announce Apple's new program to interact with more than 600 users' groups.



Sculley went on to say that business was the biggest challenge. He saw that to succeed, Apple would build on their existing product strength and attempt to meet the needs of business. Sculley said that the Mac had changed the world's view of the computer with its intuitive user interface that could increase productivity with a minimum of training.

Sculley announced that the Pete Marwich Company's 5500 auditors used the Mac. The Mac was also the computer of choice for Arthur Young's 6000 or so auditors. That company had shown that it takes only 16 hours to train a field auditor to use the Mac.

Sculley then went on to announce the Mac+, the newest member of the Mac family that addressed the criticisms of the Mac for business use. The new Mac+ has 1 meg of main memory (expandable to 4 meg with plug-in cards), an 800 Kbyte internal drive, and a new keyboard with cursor keys and numeric keypad. The price of the Mac+ is \$2599. Total time for development of the Mac+ was just seven months!

Sculley discussed the various upgrade kits that could be purchased to upgrade any Mac to a Mac+. Sculley also announced that the Fat Mac price would drop by \$500 to \$1999. A one-time trade in deal would be offered to permit upgrading from a Lisa 2/5 or 2/10 to a 1 Meg Mac+ and Hard Disk 20 for \$1495.

The Mac+ will be able to connect to both IBM and DEC, and Sculley proudly announced that the project is on schedule and will ship on time.

Sculley then discussed desktop publishing, a unique market opportunity that previously did not exist. He said that, like CD music disks, the Mac and the LaserWriter are pervasive. He then proceeded to announce the LaserWriter+, essentially the original LaserWriter with seven additional type families.

Sculley then proceeded to discuss alliances with a number of communication companies including MCI, GE Information

Systems, and Northern Telecom, to produce Mac-based network products.

Del Yokum

Del Yokum spoke next and began by saying that Apple was not gearing up for short term glory. Apple's products have long life expectancies and have the potential to become more intelligent as they age. He said that there will be steady incremental changes to the Mac from now on. Yokum said Apple thought it important to make products the right way with attention to quality and service.

Apple will continue with two product families. Apple has achieved a level of manufacturing the rest of industry has not taken advantage of - automation. The budget for R&D has increased by 50%, a vote of confidence in Apple's engineers. Apple is moving to have the Mac and // lines share data, but will not merge the two lines. Apple is going toward more VLSI, resulting in fewer chips, lower cost, faster performance. The engineers feel that a new architecture is needed, and propose to simulate it before building prototypes. Apple is acquiring a Cray XMP48 super computer at a cost of \$15 million for the simulation project. They will then be able to have hardware and operating systems ready for release at the same time. A number of noted computer scientists have been recruited for the effort.

Yokum said that Apple's quality goal is zero defects. Factories will be linked to the business system to accelerate deliveries. He stressed that service is part of the product and that word of mouth is most important. Apple intends to provide service light years ahead of any other company. Documentation will be consistent with the thought that a computer should make life easier, not harder.

Jean-Louis Gasse

Jean-Louis Gasse, always witty, started off by announcing the new Tower of Babel XT, a chip that, when placed under the tongue, translates French to English and inserts jokes at the correct time. He

discussed the difficulties of going through the traumatic reorganization during 1985 while at the same time developing the Mac+ and getting it into production in a short 7 month period. Gasee said that the Mac+ is the first instrument of Apple's new organization and that 1986 will be the richest product year in Apple history.

Gasee then proceeded to outline Apple's strategy.

1. Apple is committed to two lines of computers, the Apple // and the Mac, and will continue to develop both.
2. Apple will deliver a universal line of peripherals for the Apple // and the Mac, including floppy and hard disk drives.
3. Apple will provide data file compatibility with other computers, i.e., Apples will be able to read their disks.
4. Apple will support data sharing via data comm as easily as reading data from a disk drive and it will be an integrated part of the user interface.
5. Apple will invest in future computer architectures.

Gasse then proceeded to discuss Apple's proposed Cray simulation system, which he described as one of the best "personal computers". He said that we will see incremental changes in Apple computers as well as leaps forward, and that the advances will be the result of superior resources. He then proceeded to describe the Mac+ and the LaserWriter+. The popular business packages were then demonstrated on the Mac+ and projected on a giant projection screen.

Bill Campbell

Bill Campbell was the next to speak. He pointed out that market needs drive the improvement and perfection of products, so Apple needs to know the customer and his needs. He noted that the needs of the customer today are different than those of the customer who bought as recently as a year ago. Campbell pointed out that Apple needs to nurture the markets that

did not exist before and that successful technology must conform to human needs. He said that the Mac+ represents evolution in product, company, and thinking.

Campbell said that computers help with the teacher shortage. Apple has a new program for supporting educators and still letting the dealer make a profit. More than 3000 universities and colleges that are not yet supported will be helped with a new dealer program aimed at serving that market.

Campbell insisted that the consumer market is not dead ... their needs just haven't been identified. Apple is committed to the consumer market and must do more to tell what machines can be used for. Apples sales at Christmas were very successful.

Campbell also noted that Apple was late in recognizing the need for connectivity between machines. He maintained that Apple was less than three months away from offering connectivity products.

Campbell concluded by saying that Apple will listen, has listened.

USER GROUP SESSION

The User Group Session, attended by about 100 delegates from around the country, was opened by Dave Cote, Manager of Consumer Marketing. He opened by saying that members of users groups are Apple's best customers and are recognized by Apple as a major source of new user support. Cote introduced the first speaker, Jean Louis Gasee.

Jean-Louis Gasee

Gasee discussed his role as head of Apple France, where he had founded and headed the 6000 member Club Apple. He enjoyed the rabid fanaticism and the users' care about Apple. He stated that he really worked at Apple just to get computer stuff free and described himself as a "tinkerer."

Gasee said that he welcomed criticism



from the users, although some of it was too true and really hurt. Gasee said that he valued Users' Groups opinions over the press and asked that we keep the criticism coming, both positive (rare) and negative (common). He said that the criticisms will eventually get to him, particularly if it is "fertilizer". Gasee said that the results of Users' suggestions can be seen in the Mac+ and that there will be more. He confirmed that his personalized license plate says "OPEN MAC".

Phil Roybal

Phil Roybal, one of the very early Apple employees, recalled about the history of Apple. He showed slides of old advertisements that offered 16 Kbytes of RAM for \$218 and the M&R Penny Whistle modem that worked well enough but was probably illegal. Phil described Apple in the early days as a users' group, except that the members got paid. He compared the early Apple to a cult, much like the Moonies, and described their mission as an effort to build tools for the mind ... theirs!

Phil said that Apple was trying to promote a romance between people and computers, but few were interested. In the early days, Apple had little money for support, so Phil handled support in addition to his regular duties. They decided to support users' groups and looked at how Commodore had handled Pet users to determine how not to handle users. Phil showed a slide of a letter he had written to Mike Markkula, recommending that Apple get together with users' groups to see how they could mutually benefit each other. On October 21, 1980, 22 users' group representatives (including HAAUG's Bob Stout MK) gathered in Cupertino. Apple had no idea how many participants would show up. The objective of the meeting was to attempt to define what a users' group was and to determine their relationship with Apple. At that time, Apple dealers thought users' groups were just a collection of pirates. Apple was caught in the middle, not wanting to alienate either. The result of the meeting was the International Apple Core and the

Apple Orchard magazine, with initial financing by Apple. Gradually other user groups grew up, minimizing the importance of the IAC. Apple's financing of the IAC was diverted and Apple's official support of users' groups crumbled.

Phil next discussed how, in September, 1985, Apple provided the funds for a 14 delegate (including me ... MK) users' group seminar in San Jose. Out of the meeting came an understanding of what was needed for Apple and the users' groups to help each other. Phil then showed a professional video tape that had been made from the tapes of the September users' group sessions. The tape, which is used internally by Apple, included the better statements made by the delegates regarding the users' groups commitment to Apple and what they thought Apple should do to continue as a viable computer company. The most critical recommendation made in September was that Apple should designate at least one person as the full time Users' Group Evangelist. Phil then introduced Ellen Leanse, the person assigned to that position.

Ellen Leanse

Ellen, who was previously in Apple's International Marketing and an active Mac user group participant, stated that this was a very significant moment to her. She said that Apple wants to return to the users' groups the support that they had given to Apple all along. She described the users' groups as the opinion leaders.

Ellen described Apple's financial position as solid with a very aggressive stance. She maintained that Apple would re-establish their leadership position this year. She noted that some 300,000 Apple owners participate in users' groups and are considered key customers. Apple is indebted to the users' groups.

Ellen discussed the results of the September recommendations, the first of which was her appointment as evangelist on November 18. Another major item was to improve two-way communications. The user group data base is



nearly complete, currently including information from 570 groups. Ellen promised to work hard to complete the data base and to keep information such as the activities, meeting places and times, and contact person current. The list will be used to match speakers with meeting dates, to refer users to users' groups, to promote user group awareness among dealers, and to distribute to third party developers.

Ellen next discussed AppleLink, the Mac-based communications and information system for Apple corporate news, technical support, product announcements, and electronic mail. AppleLink was developed to provide dealers with instant access to information needed to conduct their business. In Spring, 1986, Apple will provide two hours of AppleLink access per month at no charge to the designated user from each of 40 to 60 users' groups in a pilot test. Following the pilot test, the remainder of recognized users' groups will be given access. It was stressed that continued user group access to AppleLink would depend on responsible use. Apple's goal is to make AppleLink the best two way communications system in the industry.

Ellen requested that each delegate fill out a lengthy questionnaire about their group which would provide needed information for her data base and serve as the application to be among the first groups on AppleLink. She also talked about the new Apple Speakers' Bureau and the Users' Group Steering Committee, which she heads. She listed a number of important people at Apple who had already stepped forward to be speakers, including Debby Coleman, Guy Kawasaki, Harlan Felt, Joe Hutsco, Jean-Louis Gasse, Randy Battat, and Jim Hoyt. There will be a procedure for requesting speakers, including product managers from Cupertino and local SSA's (such as Steve Knouse here in Houston).

Ellen said that Apple was establishing an 800 number that will be placed in ads, point of sale materials, displays, etc., for connecting users with the nearest users' group. Apple is also promoting users' group awareness among the dealers and

plans to place at least one highly visible users' group article each month in Apple's internal magazine. Ellen said that using users' groups for market research is under consideration. In the meantime, anyone with product input should send it to her.

Apple plans to discuss users' group relations with the Dealer Advisory Council in March. Ellen suggested that the users' groups do their part in strengthening dealer relations by appointing a dealer evangelist. Special arrangements are being made for users' groups to make single item purchases of discounted computer equipment through local dealers. We were asked to be patient as a lot of paperwork is involved.

Apple Computer Clubs International, users' groups for kids that provide a supportive environment for learning computers and competing without grades, was discussed next. Since the effort started in 1983, about 15,000 clubs have been started, with 10,000 currently active. Involvement in Apple Computer Clubs International would be a good opportunity for users' group involvement. Information packets were distributed to the attendees.

John Sculley

John Sculley was the next speaker in the users' group session. He said that he would welcome mail on AppleLink and would be involved in a teleconference on Compuserve in conjunction with the Stockholders' meeting. He said that he, along with Woz, Alan Kay (Apple Fellow), and others, was enthusiastic about users' groups. Sculley said that he personally reads the users' groups news letters and is impressed by the quality of the articles.

Sculley stressed that Apple's growing into a better managed company didn't mean that they will leave us behind. He said that Apple has a lot of bright innovative engineers, but they just could not do all they thought of. He emphasized that Apple will no longer get products out without tools to use them and that they would get products out quicker. He said

that he is very comfortable with the decision to be an alternative technology company. Last summer, the Apple // was predicted to die by Christmas because of the Amiga and the Atari 520ST. That didn't happen because it takes more than product and money to sell computers. Sculley predicted that the Apple // would see a tremendous resurgence of interest over the next few years, although the Mac will be in the mainstream. Apple will, however, need to capture more of the business market in order to fund educational and consumer product development. He predicted that there would be a big onslaught of cheap MS-DOS machines from the Far East by 1987 or '88, so there would be no advantage for Apple to support MS-DOS. Sculley closed by saying that Apple needs all the help they can get, that the role of the users' groups is phenomenal, and that word of mouth is all important.

Alan Kay

Alan Kay, an Apple Fellow, was the next speaker. An Apple Fellow is someone selected for outstanding contribution to technology who is permitted to work independently on state-of-the-art projects of their own choosing. The Woz and Bill Atkinson are also Apple Fellows. Kay's project is a vivarium at a progressive school in Los Angeles, in which the children are encouraged to think by having them think about how animals think. Kay's talk covered a wide range of intellectual topics. The following is a collection of his thoughts:

What is a personal computer and when are we going to see one?

A Mac is the first thing called a personal computer that is worth criticism. All others are beneath comment.

A personal computer is something less like a car and more like a pencil.

On personal computer portability - 0.5 herniations per block is not portable.

A cartoon was shown of a blue jack hammer (IBM) chiselling letters in the pavement.

Genius is the ability to recapture childhood at will.

Kay then discussed his vivarium project at length.

The Thursday session ended with third party demonstrations of new software for the Apple // and the Mac. The users' group delegates spent the evening enjoying dinner at Maxwell's Plum on North Beach, where the Woz was guest speaker.

FRIDAY, JANUARY 18

Panel on Users' Group Support

Friday began with a panel made up of Ken Jochins (AppleLink), Ellen Leanse (Users' Group Evangelist), Joe Hutsko (Sculley's technical advisor), Pat Kearney (manager of Dealer Operations), and Mark Hill (Technical Support). Although the objective was to discuss users groups, most of the questions turned out to be technical in nature.

Q. What are the upgrade paths to the Mac+, the prices, and availability?

A. Announcements have been sent to users' groups already. Mac+ is \$2599, Fat Mac is \$1999, keyboard is \$129, internal 800K drive swap and 128K ROM is \$299, 512K to 1 Meg is \$599, 128K or third party upgraded board to 1 Meg is \$799. Mac+ will be available in two weeks, the upgrades by Feb 15. (Kawasaki said March 1 the next day)

Q. Most dealers don't give a damn about users' groups and think they are pirates.

A. What have users' groups done to get dealer involvement? A delegate helped answer the question by relating how many groups had started in the dealer's store, the dealer eventually felt threatened. As stores became more professional, they left the user behind. Often the user steps forward in the store to help the dealer answer a question. Another delegate noted that the dealer will cooperate, once the users' group shows they are supportive.



Q. Does Apple have an advertising Co-op incentive for dealers to place ads in users' group news letters?

A. No, but that is a good idea. Ellen will explore it.

Q. How will the delegates get the names of those attending?

A. Ellen will send list. She will put users' group items in every month's internal publications.

Q. Can users' groups have access to video tapes used for internal Apple training?

A. Possibly could make Level 1 service tape available. Local Apple office has marketing tapes they will loan. Ellen will look into setting up a tape library.

Q. Could Apple make manuals available free or at low cost?

A. Manuals are now published by Addison Wesley, so groups should contact them.

Q. Apple has sent letters asking public domain libraries to remove DOS 3.3 from their disks. Since DOS 3.3 is a mature product, why is this being done?

A. Will answer a little later. (never did ... MK)

Q. When on AppleLink, will you be able to see others questions and the responses.

A. Could put the information in the database.

Q. Since AppleLink will be the cornerstone of success, why not open it up to all groups right away? What will be the cost after the two free hours have been used?

A. Apple would love to open it up right away, but is not emotionally prepared to do that. Information will be collected for three months on how it is working out. Apple's cost is \$25 per hour of connect time.

Q. Groups would like to get new products immediately to show at meetings. How long before the program is in place?

A. The buy/loan guidelines are being developed. New products would likely not be made available immediately. See the local SSA's for demos of new products.

Q. Even with special prices, small groups could not afford to buy equipment. Apple should consider groups an extension of its support staff and make items available at no cost.

A. Taking note.

Q. One dealer takes users' group member with him to dealer conferences on new product roll-outs. Suggest that Apple encourage this among dealers.

A. Taking note.

Q. Could Apple Legal help groups become 501C3? Could Apple advise on best projectors and arrange good price?

A. Apple uses Limelight. No answer on price. (I did not note the response on the legal question, but I recall that the answer was no.)

Q. Could Apple help put users' group manual together like that of the Apple Computer Clubs International?

A. Possibly.

Q. A lot of good things are happening with new products, but some like the //c flat screen are not so good. Apple should use input from users' groups.

A. Apple is now committed to involve users groups in market research.

Q. Other manufacturers have technical liaison person active in users' groups who provides bug reports and work arounds. Why doesn't Apple do this?

A. Apple's vehicle will be AppleLink. Users' groups should appoint their technical liaison persons soon.

At the close of the session, one of the delegates stated that users' group members are movers and shakers and are often not delicate. He wanted to make sure that the panel knew that we are on Apple's team and did not intend to offend either Apple or the panelists.

Users' Group Open Discussion

Tom Warrick of Washington Apple Pi, main spokesman at the September session, was selected to chair a brief delegate discussion. The major objective was to establish the framework for an organization of users' groups. Compu-serve was selected as the vehicle for communications. A decision was made to have a conference on CompuServe on Sunday, February 2, at 9 PM EST, to organize.

Technical Panel

A technical panel session was held with Guy Kawasaki (Software Product Manager), Randy Battat (Hardware Product Manager), Peter Hirshberg (Business Marketing Group), and John Scull (Desktop Publishing).

Q. Is Apple coming out with a Mac development system?

A. The Macintosh Programmers' Workshop, including C, Assembly, and Pascal, will be out in the Fall of 1986. There are currently 25 compilers available from third parties.

Q. The Lisa trade-in program expires in August. A small developer taking advantage of the trade-in will have his legs cut off.

A. Use TML Pascal.

Q. Will it be possible to connect the Apple HD20 to the SCSI port?

A. Not likely to have an upgrade kit due to complexity of interface. Apple will offer SCSI drives in the future in 6-8 months.

Q. How far would the panel members like to see the Mac and Apple // line go?

A. Battat would like an Apple // that is faster with more resolution, more memory, liquid crystal display, 16 bit processor, and a low end version. Would like a Mac for \$1000, high performance, and expandability. Kawasaki would like a // with a 65816, bundled mouse, good mouse utilities. The Mac would have a 68020, an internal hard disk, 16 MHZ clock, and a built-in modem.

Q. Will there be an HD20 file server?

A. File servers are available from third parties now. Apple might offer one.

Q. The Switcher does not like the new Hierarchical File System (HFS) that comes with the with the HD20. What is Apple doing about it?

A. Apple people use Macs, too. The problem will be fixed.

Q. Will Apple consider letting users' groups make the DOS 3.3 system master available to members?

A. This was requested in September, but the ball was dropped. Ellen will handle.

Q. Third parties offer fast finders that are not graphic. Why doesn't Apple?

A. Kawasaki said that it is a sacrilege to use a non-graphic finder, but thought it great that there are third party products.

Q. Is there an 800K external drive as part of the Mac+?

A. Yes. It will probably be a trade-up plan rather than an upgrade.

Q. Will AppleLink input from users be placed in the AppleLink database?

A. A good idea. Ellen will investigate.

Q. Is Apple planning to update the Applesoft ROMs to a new version of BASIC?

A. Since there is a big installed software base, Applesoft will always be in ROM.



Q. Video port adapters void warranties. When will Apple bless one like they did Hyperdrive?

A. Apple is always testing them and gives the job of finding one to bless to the newest guy. Currently every video adapter has failed tests (RFI, equipment damage, etc.).

Q. What is the status of debug ROMs for the Apple II?

A. What?

Q. What about Mac warranties and clip-on add-ons.

A. The Mac is not designed to power a lot of other stuff. Hyperdrive includes a new power supply with their drive. Apple is not interested in certifying a lot of add-ons.

Q. What about DEC communications efforts?

A. A DEC all-in-one environment is under way. Apple will license it like a Mac work station front end. Have already connected to Prime.

Q. Apple has a lot of Apple III software that is no longer sold or supported. Will it ever be released to the public domain. Mainly interested in the source code.

A. Not likely. Apple does not release source code.

Q. Are there plans to mount the Appletalk network on the wall rather than on the floor?

A. Apple is looking into it.

Q. Will Unix or Xenix ever be on the Mac?

A. Unix in its current form is not endorsed by Apple due to the user interface, but future Macs will be able to use the full function of Unix (???)

Q. Will the bugs in Applesoft ever be fixed?

A. Probably not, although changes will be made to support new hardware.

Q. Why not run old Applesoft in RAM and put a new BASIC in ROM?

A. We'll talk about that later. (didn't).

Q. What about my Haba 800K drive that doesn't work with the new Hierarchical File System (HFS)?

A. Be patient. Third parties usually fix any incompatibilities.

Q. Is anyone developing ADA for the Mac?

A. Someone in France is.

Q. Will there be any upgrades for the Apple II+?

A. It's hard to say. The focus is on the IIe. Where possible the II+ is accommodated, such as with the new RAM card. The big problem is the II+ keyboard.

Q. Will there be any updates for the Lisa 7/7 package?

A. No, but there is a Lisa 7/7 to Mac migration package available.

Q. The newest version of Appleworks does not give extra lines in the word processor or extra records in the data base to take advantage of the Apple RAM card. Any plans to do this?

A. You can load the program into the RAM card (???)

Q. Can the do-it-yourselfer get the new Mac ROMs and 800K drive?

A. No. It is to be dealer installed. The ROMs come with the drive, but not with the Mac+ board upgrade kit.

Q. Is Instant Pascal for the Apple II available? Is it an upgrade of Pascal 1.2?

A. Instant Pascal is in the stores. It is an interpreted version like almost identical to Macintosh Pascal and is not related to Pascal 1.2, which is a compiler.

Q. What about desktop publishing and Laserwriter support on the Apple //?

A. For budget conscious operations, Printshop and the Image Writer can be used. The // can be interfaced to professional typesetters. There is not much now, but there will be in the future with the coming Apple //s.

Q. What are the plans for a vertical full page screen on the Mac?

A. Ideally the Mac screen would be square to permit either orientation of the page. (Strongly hinted that this was coming). Actually what is needed is the choice of a number of different screens.

Q. What about multitasking on the Mac?

A. MultiMac is available from a third party. You can print while doing other work. It is supposedly a "freeware" program that you pay for if you like it. It appears to work OK.

Q. Does the LaserWriter+ fix the alignment problem in MacDraw?

A. Apple is working on it.

Q. Will the LaserWriter+ work with older Macs?

A. Yes, if they have more than 128K.

Q. Think Technologies says they have upgraded MacPascal and they are waiting on Apple. Is this true?

A. Kawasaki was reluctant to offend anyone by saying what the actual situation is. Apple is working on it.

Q. MacWrite is pretty good, but lacks horizontal scrolling. Any plan to add it?

A. Apple is working on an enhanced word processor, but they are debating over whether to enhance MacWrite. If someone would develop an integrated word processor with MacDraw capabilities included, Apple would publish it.

Q. Other printers besides the Laser-

Writer use the Post Script. Could Mac work with them?

A. Mac now works with several Post Script typesetters. Post Script is the typesetting industry standard. With a Mac and a LaserWriter, there is a growth path.

Q. There is a need for a low end print spooler for use with the LaserWriter.

A. One is needed. The LaserWriter price is coming down. What would you think of a better ImageWriter with 250 dots per inch?

Q. What is Apple doing about the problems printing italics from Microsoft WORD. (A lot of those present had experienced the problem.)

A. Apple is unaware of the problem since they all use LaserWriters. Apple is definitely interested in details.

In closing the session, Guy Kawasaki noted that the current Thunderscanner would not work on the Mac+ since power was no longer provided in the serial ports. Also Addison Wesley was shipping the bound, updated version of Inside Macintosh. Price is \$80.

User Groups and Apple Computer

Jean-Louis Gasse returned to make a second presentation, much more free form than the one on the previous day when he was making his "Vice President's" speech. This presentation turned out to be a discussion of Gasse the user and user group member. The fact that he has this orientation is most important to the users' groups, since he has a good deal of influence over how Apple interacts with them.

Gasse described himself as an early Apple fanatic and was one of the first European subscribers to Creative Computing. He started out with an Altair kit, which he described as a mess. He said that a computer should be an instrument to extend intellectual reach. A computer should never be called a machine, since a machine is something used to bore holes.

Gassee joined Apple France in 1981. He bought all the American computer magazines he could find, joined Call A.P.P.L.E. and Washington Apple Pi, and subscribed to Bob Sander-Cederlof's Apple Assembly Lines. He drooled over the ads in the American magazines, such as public domain software, chips, and cards. He spent a fortune on trans-Atlantic calls to order things with his charge cards.

Things started going well for Apple in France. Gassee decided to promote a users' group, so he used some of Apple's funds and founded Le Club Apple. There was little communication between users. Information flowed from Apple to dealers to users and from ads to buyers. Le Club Apple promoted communication between users via a newsletter and a network that was free to members. Modem sales became brisk. Apple had tried unsuccessfully to get the French Computer Service to provide the vehicle with funding by Apple. So they got time on the Harris system at the American

University in Paris and set up a network modelled after Compuserve.

Gassee compared personal computing in France to that in the United States. France has 55,000,000 population, 20% of that of the U. S. There are 7000 members of Le Club Apple. Value Added Tax and duties make computers sell for 20 to 25% more than in the U.S. The cost of living is also higher, so the end result is that computers are 50 to 60% more expensive.

Gassee said that he became Vice President of Product Development because he had bitched so much to Sculley about the products. He feels that 1986 will be the richest product year in Apple's history, with a lot more announcements by September. A lot more will materialize in the not too distant future.

Gassee does not care about operating systems, but rather about application software. Operating systems are to be forgotten. Who cares that there is a

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microprocessor in a Sony television? He feels that Mac software is the best available and thinks everyone else must agree since they are all copying the Mac user interface. But ignoring "you know who's" system or Unix is not wise.

Gassee predicted that in three years, we would have a single board computer with 10 mbytes of RAM and huge rotating disks, all in one box. He feels that rigid standards are contrary to progress. Gassee questions whether using Unix is personal computing. His answer is "NO". Just try to catalog a disk. With Unix it is very easy to wipe out your disk. On whether a personal computer user should have to learn Unix, Gassee said that driving a car and being a mechanic are not necessarily the same.

Gassee said that the Apple layoffs in June were traumatic. Many terminated em-

ployees left messages that the layoffs were the right thing to do. On the last day, the Dallas factory staff wore "Apple // Forever" tee shirts and asked if they could keep their Apples.

Gassee's favorite game on the Mac is simulating business proposals with EXCEL. He finds MACDRAW to be more fun than an arcade game, and thinks GRAPHICS MAGICIAN looks good.

In closing, Gassee said that it was fun to talk to users' groups since he's one of us. He thinks users' groups are extremely useful and that they are on the leading edge of the marketplace in both knowledge and passion. He added that he didn't care what brand of computer people bought if the alternative is not having one. When asked if Apple had plans to sponsor a users' group in the U.S., Gassee answered that users' groups were best run by those outside Apple.



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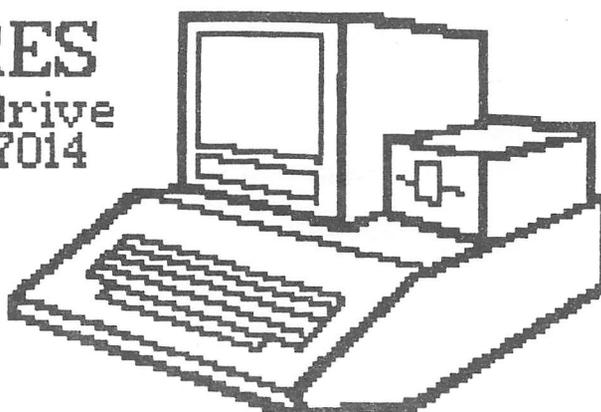
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APPLE PRODUCT ANNOUNCEMENTS

By
Mike Kramer

As part of the Mac Expo in San Francisco, Apple made a number of significant product announcements, summarized below. All of the announced items will be available March 1, except for the Mac+, which is in the stores now.

MACINTOSH+

The new member of the Mac family is the Macintosh+, which comes with a standard 1 meg memory (upgradeable to 4 meg by exchanging plug-in memory cards), an 800K double-sided drive, an enhanced keyboard with numeric pad and cursor keys, and a Small Computer Standard Interface (pronounced scuzzy). The 1 meg memory consists of 256K chips on plug-in cards that can be replaced by cards with 1 megabit chips when their price comes down. Macpaint and Macwrite are not included with the Mac+. Microsoft has made WORD available to dealers at a special price to encourage them to bundle it with the Mac+, so ask for it.

The SCSI interface is Apple's first move to open up the Mac, as it will permit use of standard peripherals such as hard disks, assuming, of course, that drivers are provided by someone. List price for the Mac+ is \$2599. Contrary to rumor, the Fat Mac was not dropped, although its list price was dropped to \$1999.

Be aware that the Thunderscanner, as it currently exists, will not work with the Mac+ as the Mac+ does not provide voltage to the connector pin the scanner uses for power. This may be the case with other devices as well. According to Thunderware's technician at their Mac-Expo booth, they are currently working on the problem.

There is also a new Finder, 5.1 if I recall correctly. I do not know how it differs from previous versions, but surely it will be faster. Won't it?

UPGRADING TO MACINTOSH+

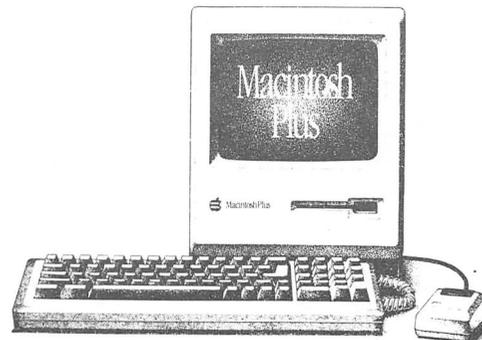
Those of you who have Macs were not forgotten. You will be able to upgrade any Mac to a Mac+, although it will not be free.

The Internal Disk Drive Kit, which is the only way to get the new 128K ROMs, lists for \$299. You can get it even if you have a Brand X memory upgrade.

The External 800K Drive lists for \$499. There is no upgrade kit for the external drive.

The Mac+ Logic Board Kit, which includes a 1 mabyte logic board with SCSI port, a new case back, and a Mac+ adapter cable for your printer, lists for \$599 if you have an official Apple 512K board or \$799 if you have a 128K Mac or have bought a Brand X memory upgrade. The board kit does not include the ROMs. There was disagreement in the Users Group Session among Apple's managers as to whether Brand X upgrades could be traded in, but they thought about it overnight and agreed to it. Ironically, the printer adapter cable is not yet available in Houston stores.

The Keyboard Kit consists of a new keyboard with numeric keypad and cursor keys. List price is \$129 and you get to keep the old one. You don't need any of the other upgrades to take advantage of the new keyboard, although most current software likely won't recognize the cursor keys. The main disadvantage is that it's too long to fit in any of the Mac carrying bags.

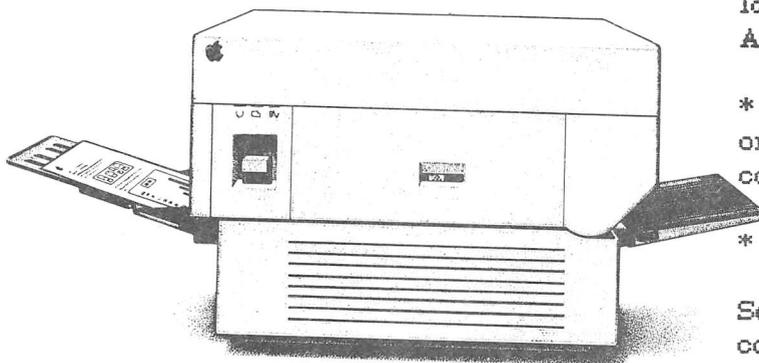


LASERWRITER+

The Laserwriter+ is identical to the Laserwriter, except that it contains significantly more built-in fonts and type-styles. If you just bought a Laserwriter, don't despair. You just go to your dealer and have him install the upgrade kit for \$799 list.

EDUCATIONAL HARDWARE TRADE-INS

Although not a product announcement, John Sculley announced that Apple would permit schools to trade in any computer on Apples. He did not discuss the details, but it is worth looking into if your school has plans for upgrading. Needless to say, a "Commode Door 64" won't bring much trade in value, so don't expect much.



GRAPHIC TRAFFIC

by
Dick Fairman

Hello, again, and Happy New Year to you Graphic SIG members and guests. It is good to start the year off with much enthusiasm and exciting ideas. The Graphics SIG promises to bring you the best in the way of useful information and ideas for the enjoyment of its members. We will be talking about and demonstrating different applications and tips as they relate to developing and using graphics software and hardware. We will include applications for the Apple][series and the Macintosh series computers.

Our programs will include presentations from our members and from outside specialists, software and hardware graphics professionals. There will be more opportunities this year for questions and answers, tips and suggestions than in the past years. Open forum discussions are the life blood of special interest groups. These meetings allow you to exchange information. I encourage each of you to take advantage of these meetings and grow wiser.

In the past, I have asked you what you would like to have presented at future SIG meetings. Here are a few of the responses:

- * A CAD program for the Apple //c that can dump its output to a dot matrix printer.

- * Graphics generation using 6502 assembly language programs for the enhanced Apple //e.

- * Video image digitizing equipment demos or evaluations for the Macintosh computer.

- * Laser printers and applications.

Some of you have special requests to see commercial software packages demonstrated such as Dazzle Draw, Shape Mechanic, etc. If any of you have any of these programs and would like to share and show them to the SIG members, I would be happy to schedule you for one of the months ahead. Please call me at 723-9619.

Another suggestion was made at one of our previous meetings: We could compile copies of useful tips collected from articles we read. Some of these articles and tips could be put on a disk (with permission of the original authors, of course) and be distributed to qualified SIG members. Your thoughts and comments with regard to this would be appreciated.

Let's make this year an exciting one! Bring yourselves and your questions (and answers) to the Graphic SIG each and every month.....

THE //c, APPLIANCE OR POWERHOUSE?

By
Mike Kramer

The Apple //c was conceived and produced as a non-expandable, closed appliance computer which would have printer, modem, and mouse interfaces built in and 128K bytes of RAM memory. Period. As long as the user didn't want to add a lot of special interfaces and didn't get carried away when using Appleworks, it would pretty well fill his needs. When the first file exceeds 55 kbytes, however, the //c begins to be somewhat limited.

Two companies, Applied Engineering and Checkmate, market internally installed boards for the //c that increase memory significantly and add a Z80 co-processor for CP/M applications. Our //c now has a total of 640K of RAM and a Z80, thanks to the Applied Engineering Z-RAM I installed. The board isn't cheap, listing for \$479, including Apple Works Expander software to patch Apple Works to use the extra memory, a RAMdisk program for both ProDOS and DOS 3.3, and a CP/M system disk which includes a CP/M RAMdisk program. So what does all this get you?

The 512K Z-RAM permits a 413 kbyte Apple Works desktop, significantly larger than the normal 55 Kbyte desktop with the unenhanced //c. The Apple Works Expander Program provides the option to load the entire Apple Works system into RAM memory on bootup. This takes 2 minutes, but the resulting speed is well worth the wait. You can also optionally designate that part of the extra memory be used as a print buffer, which avoids having the system unavailable to the user while reports are being printed. The disadvantage of using this kind of buffer, however, is the inability to kill a report once printing starts.

The Z80 processor permits any CP/M program to be run on the //c. Examples are dBase II, Wordstar, Palantir Word Processor, Peachtree Accounting, and Turbo Pascal. The Palantir word processor normally requires two drives on the Apple, one for the program and overlays and one for data. Re, my better half, has configured her Palantir disk to

automatically create a RAM disk on boot-up, copy the whole word processor, including overlays, into the RAM disk, and then use the built-in 5-1/4" drive for files. A second physical disk drive is not needed.

The ProDOS and DOS 3.3 RAM drive software can be used to set up RAM drives under those operating systems. This can permit effective operation of the //c with only the built-in drive for many applications. Under DOS 3.3, a 512K Z-RAM will provide three RAM drives in Slot 3 with 744, 749, and 494 sectors and designated as Drives 1, 2, and 3. Under ProDOS, there is a 64K RAM drive with a volume name of "/RAM". The remaining memory can be used as a larger RAM drive. There is a risk of losing data when using RAM drives if you forget to copy the files to real disk or the computer is accidentally turned off.

To round out this powerful, highly portable system, we have a Hewlett Packard 2225 Thinkjet printer, a //c green screen, an Applied Engineering //c Clock, a 5-1/4" external drive, and, just acquired, an 800K 3-1/2" Unidrive. Recently the system was taken to Mac-Expo for use in the Palantir Booth. The //c, the monitor and its stand, the external 5-1/4" drive, and the Thinkjet were packed in a "MacPacks" Macintosh MacBag and put it in the overhead of the airplane. Now, that's portability!!!

Want / Don't Want Ads

For Sale: Image Writer \$350, 128K RAM Works \$125, Distar Half Height Drives 2 @ \$90, Keystroke DATABASE and REPORT for Apple /// \$100, Microsoft Apple // CP/M card \$100. All in good condition. Call Mike Kramer at 358-6687

For Sale: 512K Macintosh, 400K external drive, ProModem 1200, ImageWriter Printer, color ribbons and lots of software games! Low Prices.

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MISCELLANEA

By
Mike Kramer

LONG FILE NAMES AND TRASH CANS

Have you ever tried to trash a file, only to find the file name was too long for the trash can to accept it? Did you move the can to the left so you could get the file icon centered on the can? No more!

Click once on the icon of the file to be trashed to select it. Then press back-space to eliminate the file name. Next drag the icon to the trash can and get rid of it. If you change your mind about trashing it after the name has been erased, just click somewhere on the screen and the name will be restored.

DO IT YOURSELF TYPESETTING

The big thing at Apple these days is desktop publishing. ALPHAGRAPHICS, a chain of printshops, is using desktop publishing in a unique way. They are offering a new service in selected ALPHAGRAPHICS stores which they call LazerGraphics. By using the LazerGraphics system, the customer can compose his own business forms, flyers, newsletters, etc., rather than having to pay for typesetting services.

The LazerGraphics system is a group of Mac 512K workstations networked to a Lisa 2/10, which serves as a file server, and to a LaserWriter. The customer rents time on a Mac for \$12 per hour and can print his documents on the LaserWriter for \$2 per page. Use of a wide variety of software, such as PageMaker is included in the price. Of course, ALPHAGRAPHICS' objective is to get you to use their copy and printing services after you've produced your master.

So far the only ALPHAGRAPHICS location offering LazerGraphics in the Houston area is in the Eclipse Shopping Center on Highway 59 in Humble. Stop by and meet Bob Gilbert and ask for a tour. You'll be impressed.

GET IT WHILE YOU CAN

Although Apple chose not to release Macintosh BASIC, there are probably a lot of copies floating around without documentation. If you have the software and want to be able to use it, hurry down to Crown Book Store and get a copy of "Introduction to Macintosh BASIC", by Scot Kamins while they are still on the shelves. List price is \$18.95.

BEWARE IF YOU HAVE MS BASIC

If you have Microsoft BASIC, do not buy "Introduction to Macintosh BASIC", by Scot Kamins at Crown Book Store. It won't do you much good.

MACWRITE ON THE APPLE //e

A few issues ago I described Roger Wagner's MouseWrite as being essentially MacWrite on the Apple //e. At the January meeting, I was amazed to see a demonstration of MULTISCRIBE, which for all intents and purposes, is MacWrite on the //e. A trio of young men, two in their junior year of electrical engineering at Rice, are nearing completion of MULTISCRIBE, a word processor on the Apple //e (or //c) complete with pulldown menus, scroll bars, changeable text style and fonts.

Since the text is displayed on the double high resolution graphics screen, complete with fancy fonts, bold and underline, outline and shadow. Either cursor keys or a mouse can be used to position the cursor. I was skeptical about its speed even though it is written entirely in assembly language.

I asked one of the fastest typists I know (my wife) to try to get ahead of it and was surprised when she couldn't. Another amazing discovery was that the menus, scrolling, and other Mac-like features had been developed independently of Apple. The package also includes a font generator to permit creation of original fonts. Finishing touches are being made on the printing function, which will drive most popular dot matrix printers without using a graphics interface card.

MULTISCRIBE is published by Styleware, here in Houston. They can be reached at 1-800-233-4088 or within Texas, at 1-713-771-4627. The initial price is \$39.95, which, in my opinion is way too low.

INSIDE MACINTOSH, FINAL VERSION

The final slick-bound version of INSIDE MACINTOSH, published by Addison Wesley, is now available. It includes all three volumes of INSIDE MAC and sells for \$79.95. Yes, you will get it free if you bought the Software Supplement. I have mine and it's nice.

Other Apple manuals now available from Addison Wesley include:

THE APPLESOFT TUTORIAL (\$29.95 with disk), THE APPLESOFT BASIC PROGRAMMER'S REFERENCE MANUAL (\$22.95), BASIC PROGRAMMING WITH PRODOS (\$29.95 including disk), PRODOS TECHNICAL REFERENCE MANUAL (\$29.95 including disk), THE APPLE //e TECHNICAL REFERENCE MANUAL for (\$24.95), INSTANT PASCAL REFERENCE MANUAL (\$22.95), THE APPLE //c TECHNICAL REFERENCE MANUAL (\$24.95), and VOLUMES 1, 2, 3 of INSIDE MACINTOSH (\$24.95, \$24.95, and \$19.95).

The immediate benefit I see of having Addison Wesley publish the manuals is that they can be obtained from book stores and independent dealers. When Apple was the source, they were usually not stocked since Apple dealers had to buy a dozen of each title to get them.

MAGAZINES ON DISK

A new disk magazine called UPTIME was discovered at the MacExpo in San Francisco. The Apple // version comes in a plastic folder being used for many of the Mac packages. The copy I got had two featured programs, a music composer / player, a pinball game, and eight miscellaneous programs. The music program was nice, but you had to have PINBALL CONSTRUCTION SET to play the pinball game (not so nice). The disk also included classified ads, commercial ads,

and a lot of other stuff that took disk space that could have contained programs.

All in all, UPTIME is a fair value at \$11.95 for a single issue, \$48 for six, or \$66 for twelve. The Mac version will be available starting in February at \$15.95 for single issue, \$84 for twelve. Call 401-847-2455 for more information.

CRICKET GRAPH REALLY CHIRPS

Another very interesting product seen at Mac Expo was Cricket GRAPH, an advanced charting package for the Mac. I'll be doing a full review later, so I'll just summarize what I saw.

Cricket GRAPH can import data from Omnis 3, OverVue, MS Chart, Excel, Multiplan, MacTerminal, MS Word, MacWrite, Statworks, and others. It can generate every kind of chart imaginable, giving complete control over scales, labels. It provides complete page layout control on the Laserwriter, the Image-writer // (in color!), and a host of plotters, including the HP7550. Cricket GRAPH can export graphs to MacPaint, MacDraw, MacDraft, and various pictorial data bases.

Cricket GRAPH is published by Cricket Software in Philadelphia, 215-387-7955. Retail price is about \$200.

UNIDISK 3.5 AND OLD //c ROMS

If you have recently bought a Unidisk 3.5 and tried for two hours to get the //c to recognize it, you may need to go to your friendly dealer (there are some, such as Williams and Compurite) and have him pop in some new ROMs. I won't mention any names, but a close friend and companion of mine forgot about the new ROMs, and since the drive came from Apple Developer Relations, there was no dealer to suggest the ROM upgrade.

//c COLOR MONITOR AND //c DISK

After getting the //c ROMs installed, the Unidisk worked, but the internal 5-1/4" drive worked erratically. So off to Williams again. Jerry quickly pointed

that we had an early //c which did not have adequate RFI shielding. The new //c Color Monitor was the culprit! The cure was to move the computer a few inches away from the monitor. Jerry suggested putting foil in the bottom of the monitor to reduce radiation.

80 COLUMNS WITH COLOR MONITORS

This week we have had two calls from people who had just bought RAMWorks cards and couldn't read their displays. On the first call, it took a while before we realized that the caller was using a composite video monitor (driven from the normal video connector). In order to read 80 column output on a color video display, you have to have an RGB display, which can be expensive and requires a special interface.

In order to be able to read the 80 column display, the options are (1) to have a second green or amber screen monitor for text display or (2) to sell the composite color monitor and get the new Apple color monitor which can be switched to readable 80 column text mode.

When the second call came we were prepared with an instant solution.

LISA 7/7 SOFTWARE TRADEIN

On December 25, 1985, Apple mailed a special offer to those who had bought and registered the Lisa 7/7 package. The first item offered was the Macintosh XL Migration Kit, which includes a manual and software utilities for converting your 7/7 files to the appropriate Mac files. Cost for the migration kit is \$30. The utilities are:

LisaWrite to MacWrite
LisaWrite to Microsoft Word
LisaDraw to MacDraw
L:isaProject to MacProject
LisaCalc to Microsoft Excel
LisaCalc to Lotus Jazz

In exchange for your Lisa 7/7 System Disk 2 and \$450, Apple will send you your choice of two package deals. The Migration-Lotus package includes:

Macintosh XL Migration Package
Lotus Jazz

The Migration-Microsoft Package includes:

Macintosh XL Migration Package
Microsoft Word
Microsoft Excel
Microsoft File
MacTerminal

Apple's offer is valid until May 31, 1986, while until supplies last. They absolutely require that you send in the 7/7 System Disk 2 and request that their form be used. I will have copies of the form at the next few meetings. Or send a self-addressed, stamped envelope to me c/o Encode, P.O. Box 5070, Kingwood, TX, 77325, and I will mail one to you

FOR SALE

Pensate	mail \$ 24	\$15
Millionaire	mail \$ 30	\$ 20
MacTracks	mail \$ 22	\$ 10
Run for the Money	mail \$ 29	\$15
Byte Magazines	\$ 2 each/\$20 dozen	
SoftWorks C	mail \$ 240	\$175
MacForth Level 1	mail \$ 77	\$ 55

Lisa software supplement \$ 45
(6 disks & partial documentation 5/85)
Contact: Bill Hailey.....682-5147

ANNOUNCEMENT

Effective with the next issue of the Apple Barrel you, the members of the Houston Area Apple Users Group who have really felt the crunch in Houston's economy and find yourselves out of a job, will have a place to advertise for work.

If you are out of a job and wish to publish a short (2 line) "Position Wanted" ad in the Barrel, please mail it to the Club at Post Office Box 610150, Houston 77208. Ads will be run for one month only. If you wish to run in consecutive months, you must resubmit each month. All ads for a given month should be submitted by the Saturday meeting.

Ponderings by Pete

by Peter Lemettais

It's back to the Apple // this time around. Even though I use a Macintosh at work, I still prefer the Apple //. It's so much more interesting, with all the software and hardware available. I still think I can make an Apple // do anything any other computer can do, usually cheaper, by "adding-on." Also, much of the software available for the // is superior to anything else on the market. Unfortunately, much of what should be, isn't...

Appleworks Spreadsheet Revisited

Two articles ago I said I was disappointed by the Appleworks spreadsheet, calling it "just another Visicalc clone." Let me amend that. The Appleworks spreadsheet is so inferior to venerable old Visicalc that calling it a Visicalc clone is very insulting to VisiCorp. My VisiApologies. The Appleworks spreadsheet is so weak that I often find myself using VisiCalc instead. VisiCalc has more functions and it is easier to build functions in VisiCalc. I tried to do some financial analysis in Appleworks which required me to use logarithms. Since Appleworks is incapable of using logs, I was forced to write a formula to calculate them. Since Appleworks formulae are limited to 66 characters, I was forced to break the formula into two cells and do some fancy programming. The last straw was when I attempted to copy the data across a few hundred rows only to be told, "some data was lost from row one." Apparently, each row in Appleworks is limited to 1800 bytes of data. Anyone using that little data in a row could just as easily use a ledger sheet on paper. Anyway, the entire ordeal lasted about two hours before I gave up. The next day I did the same spreadsheet on Multiplan at the office in less than ten minutes. A classic case of devolution.

While on the subject, I'd like to ask for help. Does anyone know how to use tabs in the Appleworks word processor? It is inconceivable that the Appleworks WP cannot handle tabs. I must be missing

something. How do you insert a tab? How do you realign tabs using OA-T? Every time I try it, it changes the tab stop, but does not change the existing text! Finally, when I insert characters in column one, it destroys the alignment of column two, which is at the tab stop. Apparently, Appleworks changes a tab into spaces! Surely I am wrong... that would be stupid!

I think Apple should be ashamed of themselves for releasing such a weak product. Personally, I am waiting to see Foundation, an integrated package from Foundation Corp. in Chicago. According to press releases, it will be faster, more powerful, will allow the user to have up to 16 files (windows) open at once, will have macros, desk accessories, and a powerful operating system faster than ProDOS.

Open-Apple

I am a charter subscriber to Open-Apple and I love it. The cost per page ratio is very high, although the cost per useful piece of information is quite a bit lower. And it sure is nice not having ads. I urge anyone who regularly uses and Apple // to subscribe. The address is OPENAPPLE, P.O. Box 7651, Overland Park, KS, 66207. Subscriptions run \$24 per year, \$44 per two years, or \$60 per three.

Regarding the mapping of the mousetext characters over the inverse caps characters instead of the control characters, I agree that the latter would have been the superior choice, but from running Appleworks on a non-extended //e, I know why they were placed where they were. On a //c or an extended //e, Appleworks prints an open apple when it says "open-apple-? for help." Since the open apple is mapped where the inverse capital A was, this translates into "A-? for help" on a non-extended //e, which makes sense. Otherwise it would just print "-? for help", which would make sense only if you already knew what it meant.

Hard Disks

Regarding the Sider, I have read that backing the disk up is very difficult. In particular, the review I read stated that you could only back up ProDOS files using

the ProDOS Filer, meaning you cannot back up any ProDOS (hence Appleworks) file larger than 140K. This seems to me a great disadvantage, since one of the advantages of a hard disk is the increased file size. Can anyone comment on this? By the way, I read in A+ magazine that First-Class Peripherals is offering a \$50 20-meg rebate to owners of their 10-meg drive who upgrade, as well as a \$50 referral bonus if you refer a new purchaser. I'm not sure of the details, though.

From the Desktop

Digital Research has released a new version of the Gem Desktop, Paint, and Draw programs which they say meet Apple's demands by not having the "look and feel" of the Mac equivalents. These changes were apparently very minor, such as replacing the letters "ABC" in the paint program by the legend "text" for typing on the picture. And oh, yes, the copyrighted Trashcan© is gone - you must now choose "delete" from a menu to throw away a file.

From the Computer Store

Once again in November, Apple led all computer manufacturers in sales, with the //c the single best-selling computer. The //c had 13% of the market and the //e 10% compared to 8% for the IBM PC and 12% for the PC XT. The PC/AT and Mac were next at 8% and 7% respectively, followed by Amiga (4%), AT&T 6300 (4%) and Compaq (3%). Looks like Mac had better watch out for Amiga! It already has half of the sales Mac has and has just started. If Mac has trouble releasing Jonathan (see below), Amiga could take over, assuming the Atari ST doesn't first.

From the Mac Front

Next time you're in Cupertino, look for a Mac-colored Mercedes. It's driver is Jean-Louis Gasse, Apple's VP of product development. His opinion on the Mac is on his license plate. It reads "OPENMAC".

Jonathan, the color Mac is coming, as is the open Mac with expansion slots. The newer Macs will be faster as well. Jonathan will be full-color with 640 x 480 resolution and cost around \$5,000 (compared to \$1,795 for Amiga and \$999 for

the Atari ST) according to John Dvorak of Infoworld. The new, faster Mac, called Mac Plus (soon to be followed by Mac e?) will have from 1 - 4 Meg of RAM, one 800k disk drive, a new keyboard (with keypad), the Finder version 5.1, and will run 50% faster due to ROM changes. Jonathan is rumored to be using the newer, faster Motorola 68020 chip (full 32 bit processor), which is supposed to be 100% compatible with the Mac's current 68000 chip (16/32 bit processor).

Need to word process in Russian? Contact Prof. Tom J. Lewis Louisiana Tech University in Ruston, LA. He has redone all the fonts, menus and dialog boxes in MacWrite, the system, and the Finder into Cyrillic and created four different Cyrillic fonts, Moscow, Gorky, Kazan, and Odessa, which are available through Compuserve.

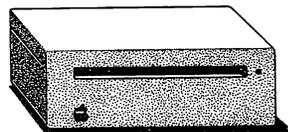
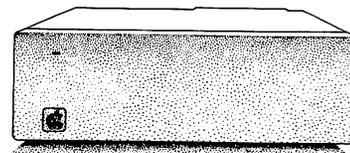
From the "In Conclusion" Department

Next month I'm going to give you some tips on using Macintosh spreadsheets. If the Mac is truly great at anything, it is spreadsheets. I'll be talking about Multiplan and its prodigy child, Excel. Be there.

Also, in my continuing quest to keep DOS 3.3 alive, I'm going to start printing some subroutines I use in my programs, including a whole series on the EXEC command, which is vastly underrated. Look for all this and more in coming months.

Finally, please contribute to the Apple Barrel! Even if you only contribute a tip or hint or two, get it published so the rest of us know! And thanks for reading.

HARD DRIVE



800K DRIVE

NEW MEMBERS

The following people's membership in the Houston Area Apple Users Group became effective this Winter. The Membership and Board of Directors cordially welcome you to our organization and encourage your participation in our many fine activities!

Charles Aselin
Mike Barnaba
Sharon V. Bartow
Cynthia T. Behelfer
Bewley Distributing Co.
Ron Blake
Larry Lewis Blanton
Ron Burgess
Robert P. Byington
E. Philip Cannon
Michael S. Cobb
Carol J. Davis
Dolan & Linda Dunn
C. E. Monsneron Dupin
Dave Dyer
Selman Eddings
Sally Edmonson
E. L. Ekholm
Steve Ennis
Jeff Esslinger
Rubye H. Everett
George D. Ferry, MD
Frederic A. Fleming
Donald W. Flenoy
Elizabeth Franks
Paul Gibson
David Glenn
Robert W. Goldstein
Anthony Guadiano
Richard D. Gurney
Dorothy K. Hall
Daryl Ann Hansen
Christopher Harlepp
Paul R. Harris
Douglas Haskins
Steven D. Hatcher

Charlie Hendrickson
Terry Hennessy
Ms. Sammie L. Hollins
Patricia E. Hymes
Willis D. Jackson
William M. Jacobs, Jr.
Richard Jenkins
Theresa Jernigan
Ernest Johnson
Harold & Audry Jones
J. R. Jordan
Keith W. Kaczmarek
Shirley R. Kubicek
William R. Light
Christin M. Lindlof
Tommy & Janet Logan
Jim Lueders
Joseph R. Luna
Kelly Martino
Mrs. T. R. McColloch
Diane McCoy
Thomas R. McDonald
Patsy McLaughlin
Don Metcalf
Charles Metzger
Rodney Miller
C. Vance Mitchell Family
Harold Moore
Stephen E. Mosher
Camilla Muriby
Avery M. Murrah
Kenneth L. Oliver
Carlos Peres
Brad Perry
Dennis Persinger
Mike Powell

Thomas N. Power
Clyde L. Pray, Jr.
Ed Pruitt
Jack Pyle
John R. Pyper
Alfred J. Reich
Ken Richardson
Janet Ritter
Earl R. Robinson
Mark Rosenberg
Gary Saxton
Paul A. Schallowitz
Tom Schmal
Laverne M. Settle
Shaun Sheffield
Don L. Shettel, Jr.
Don Stalinsky
Kenneth E. Stegall, Jr.
Mike Stoops
Steve A. Straub
M/M Edwin J. Sutphin
Billy Sutton
Diane Talley
Sam Theis
Rick Timmons
John T. Twining
Oscar Ugaz
Richard Valdez
A.J.M. Van De Ven
Dennis J. Wagner
Gary Ward
Bob Wessels
Lawrence W. Wilkinson
Winfried A. Wobbe
Nicholas A. Woutas
Don M. Wrye

APPLE LISA 210 SYSTEM

With Printer and Software

\$2,200.00

Contact: Kris.....977-2233

For Sale: MAC XL (including ImageWriter)

\$2,900.00 (or best offer)

Contact: Carlos Urbina at 981-0780

For Sale: 128K MAC with external drive
\$1,200 (Includes MacPaint and MacWrite)

Contact: Mike Kramer at 358-6687

MacLanguage Series Pascal

by Rick Light

Up to now any programmer who wanted to write stand-alone applications (double-clickable from the Finder) for fun or profit in the language of Pascal had to use Apple's Lisa Pascal in a Lisa computer and port the completed code to the Macintosh. Pascal is often the language of choice on the Mac because Quickdraw and all those other great ROM routines were themselves partially written in Pascal and their interface is set up for Pascal. Tom Leonard, of TML Systems, has finally provided a Pascal compiler for the rest of us. More than just a compiler, MacLanguage Series Pascal is a complete development system that sells for only \$99.95. This is great news for anyone who wants to program on the Mac for the Mac in the language the Mac was optimized for! On the surface MacLanguage Series Pascal is so similar to Lisa Pascal that converting from one to another is no problem at all. In fact, a lot of the example programs furnished with the compiler seem to have had their origin with the Lisa development system. Provisions have also been made so that code written in MacPascal, the Pascal interpreter released by Apple mainly for educational use, can be compiled by MacLanguage Series Pascal! Why Apple hasn't released a product like this already I will never understand.

MacLanguage Series Pascal runs on a 512K (or better) Mac and an external disk drive is "highly recommended" (unless you have nothing better to do than swap disks). The system consists of the TML compiler and the same MDS Editor and Linker found with Apple's assembler and many of the C systems. There is also Apple's RMaker for putting together your own resources and Apple's Font/DA Mover for when you write your own desk accessories. All this is on the first disk. The second disk contains the numerous and well-commented sample programs and the Pascal Toolbox interface files (all those constant declarations that are tags for the ROM calls plus some additional routines). One of the more interesting additions is Apple's MacinTalk. This is

the code that you can use in your own programs to make your Mac talk. Amazing. We'll be seeing a lot of games that make use of that.

I won't discuss the MDS Editor and Linker as they are so generic; suffice it to say they do get the job done. The compiler is easy to use and makes full use of the Macintosh interface. It is a real native code compiler with which you can produce your own stand-alone applications, or if you prefer, it has a "plain-vanilla" mode in which you don't have to worry about writing the complex routines that standalone applications require (like window and event handlers) but you can just write a straightforward Pascal program. This is useful when copying the standard algorithms out of text books for educational purposes or when just doing some quick and dirty work. It also has an option specifically for compiling desk accessories which takes care of some of the abnormalities associated with them. This latter ability is rare with other development systems, or at least a well kept secret. There is, of course, full access to all of the ROM routines.

You can even compile your program to a form that can then be viewed and compiled by Apple's 68000 assembler for hand optimization of your more crucial routines! When compiling to assembly source code you can elect to have the actual lines of your Pascal program included as comments to aid in seeing what does what in the assembly code. There is also a provision for assembly code to be called as procedures from your Pascal program for the really hard core hackers.

Programs can be compiled at speeds up to 1000 lines/min with the 400K floppy disks (it should be faster with the newer 800K drives or a hard disk drive). This is comparable to the other development systems available for the Mac. They are all slow, however, when compared to the Turbo Pascal compiler which has become so popular with IBM hackers. There is a good reason for this. Turbo Pascal's job is relatively simple, it doesn't have to maintain large symbol tables for

sophisticated ROM interface like the Mac has. This means Turbo can be almost totally RAM based (sort of like running your favorite program on a RAM disk) while, because of the Mac's power and sophistication, Mac compilers have to be disk based. All that power means a lot of overhead. Personally I'll take the power. Turbo may be fast but you have to buy extra graphics software just to get started. By the way, much faster compilation speeds have been reported with the use of a gigantic RAM disk on a 2 MEG Mac! It remains to be seen if a large RAM disk can be installed on the new Mac Plus. Actual running times of programs compiled by MacLanguage Series Pascal are very reasonable. The standard Sieve test takes 6.6 seconds to complete.

Error message reporting during compilation is both written to the screen and saved to disk for future reference. The messages are usually accurate and to the point. Like most Pascal compilers it does take some experience to determine whether errors are because of some great original sin (left out a begin?) or are real errors on their own right. Nothing is perfect however; there are some things which could be improved. The most glaring omission is in the otherwise well written manual: There is no index. The manual is extremely well organized and the chapters are short and the table of contents is quite descriptive but, again, there is no index. This was one of the first things I asked Tom Leonard about when I called to get the facts straight for this review. There may be an upgraded appendix one day that will be the index but he made it clear that his priorities lie with producing software upgrades (which I will detail later). I must admit that given the exciting scope of his software plans that I find it hard to argue with his priorities. Otherwise the manual is complete and relatively clear. I must qualify this by adding that it is not a substitute for "Inside Macintosh" (the 800 page technical documentation describing the ROM routines written by Apple). His manual is also not the place for beginners to learn the language of Pascal. These qualifications are not criticisms; indeed any attempt to

include these things given their complexity would have been inappropriate, but they are warnings to the overly hopeful. There is a check-syntax-only compiler option which was intended as a quick way to find out whether one remembered all those semicolons. A good idea, but the option really isn't all that much faster than a straight compile to object code.

Another omission will be noticed by those already familiar with the MDS family (the editor and linker). Some of the other development systems that use these programs also include the Exec program which allows you to tie the compiler and the linker together so that when you assemble your program (which takes a separate compile and link step and sometimes even an RMAKER step) you only have to take one step. It's a handy feature but it wasn't included to help keep the cost of the whole package down. Exec has to be licensed from Apple. However, those that already have Apple's assembler, or are going to buy it to help optimize their Pascal code, will then have Exec and can use it. Furthermore, TML Systems has plans to include Exec after January and it will be available to the early purchasers as part of a very reasonable upgrade package.

This brings me to the question of upgrades in general. In a tool as powerful and as complicated as a compiler there are always improvements and additions that can be made if the enthusiasm is there. Tom Leonard and his Pascal compiler have quite a good reputation on CompuServe. The demand was so high for his compiler that he provided an early Beta version at reduced price to those that had to have it NOW. As improvements were made, his upgrades were both reasonable in price and timely (rather rare in this industry). His next upgrade will be released as soon as Apple releases to him the new and improved ROM calls (hopefully late January). It will also (hopefully) include the Exec file and some improvements to his compiler code and editor improvements to handle to Apple's new hierarchal filing system (HFS) and should be priced around \$15.

Beyond that are some ambitious plans for around March. There will be the MacLanguage Series Data Base Toolkit which will be a Pascal interface complete with example programs that will allow you to write that data base you've always wanted. This will sell for \$89.95 and may be available even sooner than March. For the developers there will be the MacLanguage Series Linker that will be an improvement on the standard MDS linker and will include upgraded library options and feature stripping. There will also be some performance tools that will help you analyze your code, where it is spending most of its time for example, so you know where you may want to optimize if running speed is important. Finally, this MacLanguage Series Development Kit Edition will include some advanced debugging features and some abilities that are still "under wrap". This version will sell for somewhere under \$200 and will be available as an upgrade. For those just starting out (and who isn't?) the example program, MiniEdit, developed in volume two of the popular "Macintosh Revealed" has been converted to MacLanguage Series Pascal complete with comments and source code and is available for \$19.95.

Since this product is so new, dealer distribution is limited. It can be ordered by calling 305-242-1873 or by writing TML Systems, P.O. Box 361626, Melbourne, Fl. 32936. At \$99.95 and with no serious flaws, MacLanguage Series Pascal is a real "price performance" bargain. The availability of several compiler modes insures that both the developer and the beginner can use this system. Full use of all the ROM routines will require "Inside Macintosh" and the "Macintosh Revealed" series is also helpful for getting the most out of your Mac with this powerful tool. If you do write the perfect program you'll be glad to know there are no licensing fees with TML Systems. Good luck!

MACINTOSH S.I.G. PUBLIC DOMAIN SOFTWARE LIBRARY

by Larry Saphier, Librarian

The MacSig public domain library started off rather modestly with just a few disks. These were easily copied to member-supplied disks at the monthly meetings by a small group of volunteers. By May of 1985, the library had grown to 30 disks. Up to 300 disk copies were being made at each meeting. The copying activity had become a meeting within a meeting. An alternative method for supplying members with the library software was obviously needed.

Several methods were presented to the S.I.G. membership designed to ease the situation. Overwhelming preference for a switch to selling copies of the library disks at the meetings was indicated. A volunteer group of copiers was organized and disks were placed on sale at the October, 1985 meeting.

The operation of the library follows:

1. Numbered library disks (HMS#___) are to be sold at the meetings for \$5.00 each.
2. The Library Directory disk (HMS#0), and any new disks received at a meeting will be copied to a member supplied disk. The new disks will be copied on an "as received" basis. No charge will be made for this.
3. New disks received at a meeting will be reviewed, documented, and consolidated as needed and placed in the library to have copies sold at future meetings.
4. Twice a year, at the HAAUG "Swap Meets", the entire library will be made available for copying to member supplied disks. This will be at no charge.
5. The entire library will be systematically reviewed and reorganized. Disk contents will be consolidated on the basis of subjects; e.g. fonts, games, etc. This reorganization will proceed at a measured pace to maintain the integrity of the newer library disks and to improve the usefulness of the older contents of the library.

6. A demonstration program library is being organized and will be available for copying to member supplied disks in January, 1986, at no charge. The documentation for these demo programs will be available for member examination during the meeting.

The Public Domain Library is a service to the members of the Macintosh S.I.G. supplied by the voluntary efforts of S.I.G. members. We welcome any suggestions from the S.I.G. members for additions or improvements.

MacStuff #10

by Bill Hailey

Pascal Compiler: Yes, Virginia, there is a Pascal Compiler for the Mac, but it's not \$49.95 as advertised but over twice that, requires 512k, & requires MDS. (Macintosh Development System). Let's just say the first ads were a little misleading. On the plus side, it has a smart linker (doesn't give at least 26k applications, because it uses only necessary code, not stuff it doesn't need). Yes, I know it says MDS compatible files but it requires MDS.

Calculator: When you write a formula with, say the DA (desk accessory) Notepad, you can copy & paste it into the calculator & it will automatically solve it! For example, 10+35-10 on the notepad pasted into the calculator yields the correct answer of....,let's see, ohh 35!

MacWrite: Thanks to Ronnie Haus of Houston Area Apple Users Group for answering October's question. For the uninformed (me) or late arrivals, or people without total recall, my question was: How does one remove a voluntary page mark from a MacWrite document? His answer was to change the justification (like from left to right justified, those boxes on the right on rulers).

Startup: You can run an automatic 'memory check' by hitting the non maskable interrupt (the tail end of the programmers switch on the left if you installed it). If the 'sad mac' says '0F00D', the checksum was correct. This will

work on 512k or 128k Macs. There are other ways to do this!

Backspace: There is a 50 space backspace buffer (geneva 12 pnt) with <command> <backspace>.

Fiddling tildes: This is a partial chart of the <OPTION><SHIFT><~> key in the various fonts:

Standard Group:

Geneva 9 & 18 ☐, 12 & 24 ⚡
New York 14 ♪

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Obscure fonts:

Mos Eisley 12 🦋

Camelot 12 ♡

MAC S.I.G. NEWS

by

Steve Bass

I would like to take this moment to express my thanks to all the members of H.A.A.U.G. who have put their faith in me with the honor of serving you.

I sincerely hope you will enjoy what you are about to read; because the only way you **won't** see this column in each issue is if you, yes YOU!, start writing articles that can appear in its place. Since I am now a board member, plus the "Macintosh Chairman", I will draw upon my most inner Mac-ish tips and short-

cuts to dazzle, befuddle and astound you; however, when these run out, the ball is in your court. I will need your help in passing on your "little secrets" and amusements like, "Guess what I did with (or to!) my Mac today?" and "Have you heard that . . ." You all know what I'm talking about. Enough of this nonsense; point taken I trust.

I'm excited about the upcoming year with H.A.A.U.G. The challenge of leadership, the new products and meeting of new friends. I would like to see our club lead the nation by the setting of precedents: To become one great body in membership and pride so that others will seek us out to be a part of the whole. This is my dream and maybe, with everyone's help, this dream will come true. The Apple clubs of America are where the future of the micro computer lies.

To kick things off, we will be having several single topical SIG'S (Special Interest Groups). Topics that have been brought to my attention are: Home Accounting, Omnis 3, Recreational Programming, Graphics, Business and others of undefined nature. March will be devoted to telecommunications with the showing of different modems and different communication software. We will have hook-ups with CompuServe and Apple Link. In April, we will delve into the mechanical workings of the Mac and its peripherals. There are several people planned for participation and I always need dependable back-ups. Don't hesitate to ask me to schedule a demonstration that you may want to share.

Have a MacPlus day.....Steve

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APPLE ANNOUNCEMENTS

In conjunction with Apple's APPLEWORLD held in San Francisco in January (for more information, see Mike Kramer's article in this issue), a series of Press Releases have been received. The following is a brief synopsis of one of those releases.

Third Party Products: Several major software publishers have revised their programs to take advantage of Apple's new products. Some of them are:

TYPEMASTERS from Adobe Systems, developers of the PostScript controller language that drives the LaserWriter...new downloadable typefaces.

Aldus Corporation: **PageMaker 1.2** will allow full access to the seven new font families.

AST Research, Inc.: **AST-4000**, a 74MB hard disk/60MB tape backup subsystem for the MAC via the SCSI port.

Blyth Software, Inc.: **OMNIS 3**

Boston Software Publishers, Inc.: **Mac-Publisher II** and **Mac-Hy-Phen**, an automatic dictionary-based hyphenation package for use with packages that support discretionary hyphenation.

Davna Communications, Inc.: **Mac-Charlie Plus**, an enhanced version

Dow Jones Information Systems: **Straight Talk**, an information software program that offers access to Dow Jones News/Retrieval and other electronic information systems.

General Computer Corporation: **HyperDrive** and **HyperDrive 20**, internal hard drives for the Macintosh line. **HyperDrive 2000**, increases the MAC's RAM memory to 2 megabytes, **HyperNet**, enables users to link as many as 32 MAC's as part of an AppleTalk network.

Lotus Development Corporation: **Jazz 1.A**, an enhanced version.

Manhattan Graphics: **ReadySetGo 2.1**

Microsoft Corporation: **Excel**, the new version allows users to build worksheets as large as 750 kilobytes.

Odesta Corporation: **Helix**, applications will run up to three times faster.

Paladin Software Corporation: **Super-Crunch**, a spreadsheet product that includes graphics, data management and note-keeping capabilities on a single disk.

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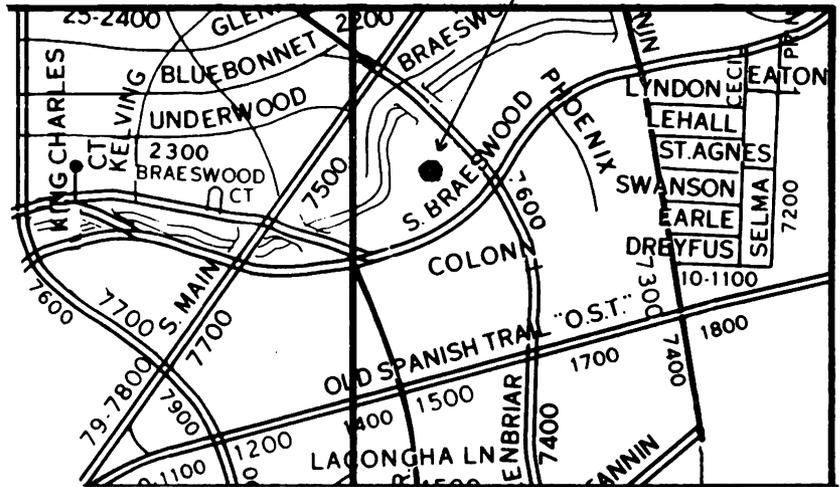
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