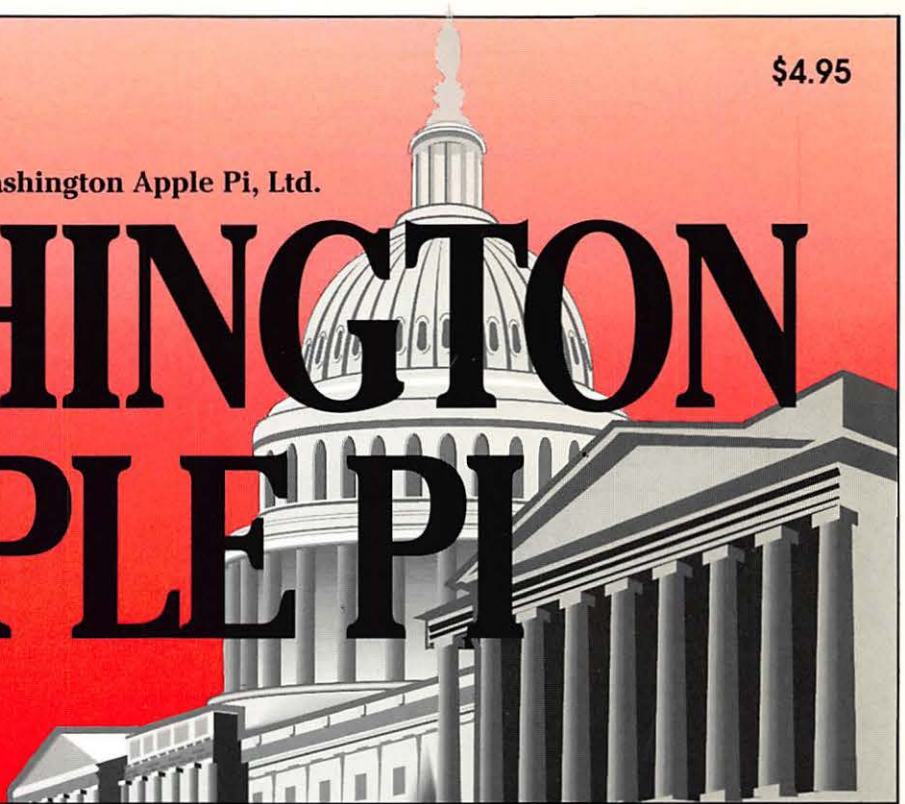


The Journal of Washington Apple Pi, Ltd.

WASHINGTON APPLE PI

Volume 23, Number 2



WALLS:

MAC OS X AND FREEDOM

Washington Apple Pi Summer 2001 Computer Show and Seminar is an elegant, relaxed daytime gathering of old and new friends, old and new hardware, old and new software, all in the grand tradition of the late 20th century.

An Apple for the Teacher —5

Pi Fillings: The Questionnaire—11

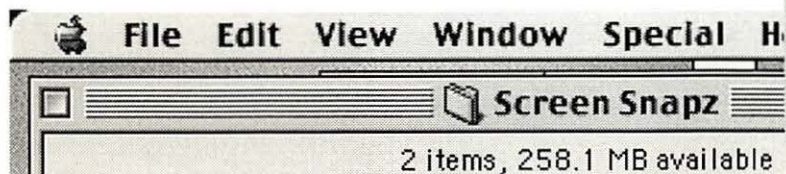
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Mac OS X Installation Party

March 24, 8 a.m. - 1 p.m.

What: JD Mankovsky, Senior Systems Engineer for Apple Computer, Inc. out of Reston, VA, will be on hand showing how to install Mac OS X and how to use the new operating system. Additionally, Washington Apple Pi members will be installing Mac OS X on machines that comply with the requirements below. A form (available on the Pi Web site at <http://www.wap.org/events/macosparty/>) must be filled out by everyone who wants to have Mac OS X installed on their computer. Vendors will also be on hand selling Mac OS X for those who want it installed during the party.

When: Saturday March 24th from 8 am till 1 p.m.

Where: Community and Cultural Center Forum Northern Virginia Community College, Annandale Campus 8333 Little River Turnpike, Annandale VA Ph#: (703) 323-3120 . Northern Virginia Community College is 1 mile west of the Beltway (I-495) on Virginia Route 236 (see our map, <http://www.wap.org/info/about/generalmeetingmap.html>). Free parking adjacent to the Community Cultural Center (Warning: Parking in the wrong place subject to fine.)

What do I have to pay for this? Just the purchase price of Mac OS X. The members of Washington Apple Pi who will be doing the installations are giving their time and only ask for a "thank you."

Where will I get Mac OS X? A number of local vendors will be on hand to sell copies of Mac OS X.

What do I bring if I want to get Mac OS X installed on my machine? Please just bring the CPU. The CPU **must** comply with the list below and you **must** fill out the installation form before the volunteers will look at your machine. If you have a G4 Cube, you must also bring the monitor.

Machines that are eligible to have Mac OS X installed are:

Beige G3, Blue and White G3, G4, G4 Cube, all iMacs, iBooks, and PowerBooks starting with the WallStreet G3 and above.

- **No daughter board upgrades (Newer Technologies, Sonnet, etc.)**
- **No hard drives requiring a special formatter**

In all cases the computer must have:

- its hard drive backed up to media not on the main hard drive
- a minimum of 128 megabytes of real RAM
- a minimum of 2 gigabytes of available hard drive space free
- the hard drive that will have Mac OS X installed on it **must** be formatted as HFS+

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Postal Information

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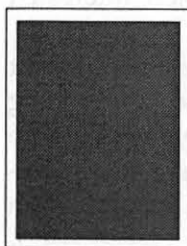
Washington Apple Pi

This issue of the Washington Apple Pi Journal was created on a PowerMac, with proofing and final output on an HP LaserJet 5000 N.

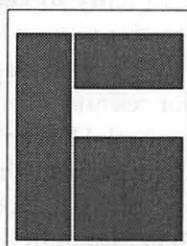
The page layout program used was PageMaker 6.5 the word processing program was Microsoft Word 5.1; the principal typeface is Palatino (10/12) for the articles; and Avant Garde Demi for headlines, subheads, and emphasis. Charlemagne Bold for drop caps.

Cover Design: The WAP Journal cover design was created by Ann Aiken in collaboration with Nancy Seferian. The Capital artwork was illustrated by Carol O'Connor for One Mile Up, which donated it for use on our cover.

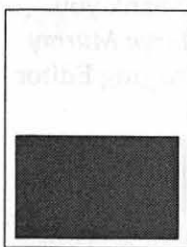
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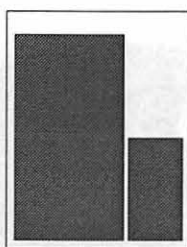
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Sixth Page	\$125	\$106	\$93	\$75

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The Washington Apple Pi Journal is published bi-monthly. The ad copy deadlines and ad space reservations are listed below for your convenience.

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Office hours: Mon., Wed., Fri. 10 am-6pm
Tues. 7-9 pm—Clinic Night Only—
Not Regular Office Hours

When weather is bad, call to check if office is open.

Upcoming events & more

ALOT is going on at WAP and there is much you can participate in. Please make special note of the survey starting on page 11. Take the time to fill it out and send it back in to us. If you don't let us know what it is you want from the club, we certainly can't help provide it. Confirm those things that we are doing right and let us know how we can improve or diversify services we offer to make this a better club for you.

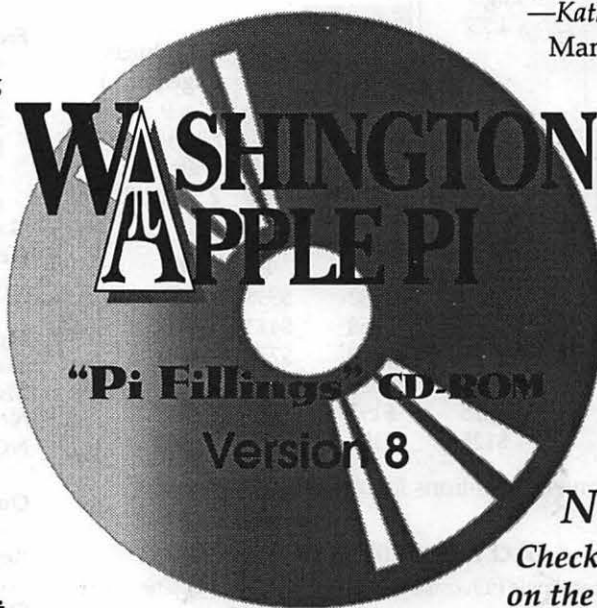
Also in this journal you will see special mention of the OS X party at the upcoming meeting. There is a new CD, Pi Fillings version 8, with information about it on the inside back cover.

Note that next month you will be voting for the next Board of Directors. Mail in the ballot from the May/June issue—your vote counts!!

From the upcoming MacWorld trip to summer camp opportunities to the June Computer Show and Sale, there is plenty to keep you occupied, interested and learning about your Mac!

As always, I encourage you to write about your Mac experiences and submit them to me. Since asking in the last journal, I haven't received any responses, so it is a bit discouraging. I'm sure you have some computer stories to share. Take the time to email them in and we will get them in the journal.

Thank you.
—Kathryn Murray
Managing Editor



New!!!
Check out the ad
on the inside back
cover.

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An Apple for the Teacher

WELL, IF you believe most of what you have been reading, teachers may have one at home, but won't see many new ones in the classroom. What has happened since the salad days when Apple II series computers were everywhere? Oh, the answer is easy offer the pundits. Like blind folks fondling an elephant, they can give you just the reason why Windows machines are sprouting like hydrilla in the Potomac. Unfortunately for the pundits, their chief squeeze has too many parts for a one answer takes all reply.

For years, the Pi has maintained a large and active special interest group made up of teachers and computer coordinators in K-12 public and private schools. So I decided to ask them what is going on down there which might help shed light on the mystery of the vanishing Macs.

Clearly, things have gone sour. The old Apple commitment to education needs to be rebuilt for all sorts of reasons. User groups that support the Macintosh platform have watched as Apple has allowed several components of its educational commitment to atrophy: product cycle; sales; technical support; service support; and, training. My clues: parents who belong to the Pi and tell all; teachers who turn to us for training and

advice on applications; computer coordinators who get their technical assistance from us; IT people who get from us, and share with us, tips on networking Macs; and, acquisition people in schools who can't get anyone at Apple to return their calls. User groups can be a useful early warning network.

Corporate Apple is also aware that something is amuck. Steve Jobs brought back an old education pro from the good old days, Cheryl Vedoe, as Vice President of Education Marketing and Solutions. Cheryl has lots of experience in working with schools. I believe she understands that Apple's educational conundrum did not occur overnight, nor is it the result of any one decision. Turning this story around is a tall order; but the resources exist both within the company and from an underutilized corporate ally, the community of user groups that support the Macintosh platform, to make it happen. Clearly, the incentives are there. Purchases by schools are a good chunk of change to Apple. A multi-faceted problem warrants a multi-faceted approach.

Product Cycle

You can't sell them when they ain't buying. Apple has forgotten the cycle under which schools make acquisition decisions. That cycle is budgeting in the fall; narrowing options in the spring, contracting by close of the school year, delivery in August. It's not acceptable for Apple to release an obvious school machine like the iMac for \$799 which was announced at MacWorld, New York with deliveries, maybe, in October and expect schools to embrace the product. Products that can be shown at the January Florida Educational



Tele-Communications System

Washington Apple Pi's "24-hour General Meeting"

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Call (301) 984-0300 for registration, passwords

Also available (to subscribers) over the Internet - telnet://tcs.wap.org

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Technical Conference (FETC) with deliveries in the summer are winners. MacWorld, New York isn't a winner.

Sales

When Apple was the computer of choice in schools, the company used a direct-sales force to provide a presence in school systems. Back then, Cheryl was well aware of the growing interest of PC vendors in the school market. When Apple decided to disband its direct-sales model, many of those people joined Dell, Gateway, and Compaq. But Apple compounded its problems by also forcing schools to buy from it via the web. The web may be great as a low-cost way to complete a sales transaction; however, decision makers in schools have not shown a willingness to embrace the web as a place from which to make the decision as to what hardware to acquire. As the Harvard Business school noted in a post-mortem on Internet-based businesses, it is not always rewarding to force a behavioral change on a market for which the market is not eager. From where we sit, it is clear that the paucity of Apple representatives available to present directly to school officials, especially when compared with their PC competitors, is a contributor to the declining willingness to go for the Mac option.

In-House Advocacy

The absence of Apple reps available to visit schools has another deleterious by-product. Teachers for whom the Mac is the platform of choice have no one to approach to acquire the documentation that can help them make the case for a Mac: initial acquisition cost; life cycle cost; network compatibility; lower training costs and higher productivity. It is one of the real black eyes for Apple that advocates have been unable to get material to do that.

So, what happens? Teachers are being edged out of their role as selectors of educational technology by the business and IT side of the school system. For IT technicians and business managers, the decision as to which platform to acquire is a no-brainer. The teacher or technology coordinator, however, is further disadvantaged because Apple is not present at many of the regional seminars and conferences they attend. These are the places where they try new Macintosh hardware, see new applications in action, and talk to their Apple representative. This interaction helps renew the conviction that Macintosh is the platform for which to

Corporate Apple is also aware that something is amuck. Steve Jobs brought back an old education pro from the good old days, Cheryl Vedoe, as Vice President of Education Marketing and Solutions. Cheryl has lots of experience in working with schools.

lobby. Absent that, marginalization takes hold, a cycle that is insidious.

It Adds Up

Teachers not involved in decisions that directly affect their productivity; lack of Apple representatives able to back them with attractive acquisition options and advocacy documentation; an out-of-sync product cycle; and no analytical support for advocates, and the company is headed down the wrong road nicely.

And User Groups?

Well, user groups don't have much to say about either the products Apple chooses to manufacture or the cycle of their release. Where we can assist is as a team multiplier. User groups reach into many more communities than can Cheryl's staff. If Apple were willing to share knowledge of educational initiatives with user groups, we can spread the word into communities Apple doesn't cover and areas — such as the small private, parochial, and home schooling markets — that the company would not otherwise reach. I could push my luck and dream that they would identify to us their new school representatives in our area. Then, I could tell the rep who we are. After that, it becomes possible for each of us to provide support for the other. Now we have a name to refer a technology coordinator to for assistance, and they have a live user group to refer to teachers who need Macintosh support.

Washington Apple Pi Summer Computer Camps

2001



Washington Apple Pi will be doing three different Camps this year. The first will be 3 weeks of Youth Camp followed by 2 weeks of Teacher/Parent Camp and rounded out with a week of half day camp for our Seniors.

Who:

Students must be age 14 and above for the Youth Camp.

Class Size:

Class size is limited to ten (10) participants in each session

Price:

\$300.00 for each week of camp for Youth and Teachers/Parent Camp

\$150.00 for the week of half days for Senior Camp

When:

The Summer Camps are one week computer camps.

Camp is from 9:00 am until 5:00 pm (Monday -Friday) for Youth and Teacher/Parent Camp.

Senior Camp is half day camp that runs from 9 am until noon.

For Youth and Teacher/Parent Camps, lunch each day will be from Noon until 12:45 pm.

Students are responsible for bringing their own lunch or bringing money to purchase lunch from a delivery restaurant.

Session Dates.....

Youth Camp

Week of July 23 through July 27

Week of July 30 through August 3

Week of August 6 through August 10

Teacher/Parent Camp

Week of August 13 through August 17

Week of August 20 through August 24

Senior Camp

Week of August 27 through August 31



Irritants

I found from talking to schools that the next three topics provide major role resistance to the retention of Macintosh computers in a school system. If you add these new items to the first three, you make the work of those trying to maintain a Macintosh presence in schools, much less grow that presence, that much harder. In each case, however, I believe there is a part that Apple must do, and one where user groups can assist.

Technical Support

Connecting a Macintosh to a network should be a no-brainer. Yet the rule of thumb is that it isn't so. As a user group person, I am happy to acknowledge the growing number of air heads in the IT business; but, as a business model, that won't quite do. It sure would be nice if Apple would create tutorial packages on connectivity keyed to the technology coordinators and IT folks. That would help the former connect machines and the latter feel more comfortable with Macs on their networks.

■ connectivity difficulties caused by products like Macintosh Manager [a program used by schools to manage Mac OS client computers that have Mac OS 7.6.1, Mac OS 8.x, and Mac OS 9 installed], or by a reluctance of major networks applications providers, like Novell, to offer Mac connectivity solutions as they upgrade their applications contributes to Mac isolation. Inside Apple is a program that many schools rely on for academic software called HyperCard. If Apple does not update it soon, it could break under OS X. It needs to be Carbonized.

■ it is nutty, but this small irritant looms large in the lives of many school families. The problem is getting a Mac formatted data disk read by a computer running Windows. There are commercial utilities out there that make it possible to fix this. It sure would be nice if Apple could task its programmers to write a small utility that could be given away that would do something similar.

Service Support

One of the major complaints we hear from technology managers in schools in the Metro Washington area is the lack of trained technical people to service the Macintosh. Several school districts are Apple ser-

vice providers. They need certified technicians to both retain their service provider status and provide knowledgeable support.

Sometime ago, Apple closed the regional training school on the East coast. The current "certification" program is via self-paced tutorials on CD sold through the Apple Store. The Pi has been approached by several schools who want us to teach the program. A low cost training program which would grow the pool of "certified" individuals is a win-win situation for everyone involved. It would also be nice if there could be follow-on courses in the certification series, such as networking.

I came across an article Cheryl Vedoe once wrote. In it she said: "Schools often invest in the latest technology and high-end products because educators know they'll have them for a while." A program such as I described above would go a long way to build confidence in schools systems that they will have the resources to make it so.

Training

While digging around to learn more about Cheryl, I came across this. She wrote: "One [problem for schools] is the lack of technology training and development for teachers. If the issue of teacher technology training presents a challenge for companies entering the education market, it also represents an opportunity."

She could have written that yesterday. All too often, we visit a school and find lots of current equipment and teachers willing to use same, but no one to train them. In most cases there is money for in-house training, but there is an absence of prepared material that could be used by someone familiar with the Macintosh. As easy to use as is the Mac, it is not self-running.

The PC trade is attuned to this problem. Some 400,000 teachers worldwide will be trained to apply computers and Windows-based software to classroom lessons, under a three-year philanthropic initiative led by Intel and Microsoft. With teachers gaining access to better hardware and software through activities by their states and school districts, why not let user groups help Apple do something similar?

Apple once sponsored one day training seminars for teachers, but we have not heard of any in a long time. The commercial market does not provide any-

“...user groups don’t have much to say about either the products Apple chooses to manufacture or the cycle of their release. Where we can assist is as a team multiplier. User groups reach into many more communities than can Cheryl’s staff.”

where near the basic training for Macintosh schools that is available on the other side. Yet, many users groups, like the Pi, teach a full range of Macintosh related courses to their members and could easily broaden that reach into schools. Apple’s new representatives, in conjunction with our groups, could be the catalyst to increase, significantly, the base of Mac savvy teachers. Technical, service, and training grouses may all seem like small change. But for a school looking to gain productivity with the computers it owns, keep them networked, and working well, those are not trivial issues. They are a player in how a school determines what to acquire tomorrow.

Think about it for a moment. For someone who only seems to grouse about the paucity of interaction with Apple, I have identified a whole range of possibilities for Macintosh user groups to offer the company as it goes about the task of rebuilding its K-12 base of schools.

A long time ago someone wrote:

“Schools are loyal customers, anxious to develop long-term relationships with companies that understand their issues and are willing to assist them in achieving their goals.”

That someone was Cheryl. Now, if she can get Apple to start acting on that, wow.

—Lorin



Washington Apple Pi

Board of Directors Notes

February 7, 2001 Meeting

Directors present: Don Essick, Lorin Evans, Brian Mason, Richard Sternberg, David Ottalini, Kenneth Clare, Pat Fauquet, Dale Smith, Kristen Dunn-Thomason, and Needham Langston.
 Directors Absent: David Weikert, Steve Fink, David Harris
 Member Present: Jon Thomason

THE MEETING of the Board of Directors of the Washington Apple Pi was called to order at 7:50 pm on February 7, 2001.

Old Business

The minutes of the January meeting were approved as amended.

MacWorld bus trip to New York

Mary Keene and Jim Ritz are making the preliminary arrangements for the buses to take members wishing to go to the MacWorld show in New York in July.

Summer Camp

Pat Fauquet has prepared the advertisement for the WAP Summer Computer Camp. there will be several one-week session held in July and August.

2001 Election

Kristen Dunn-Thomason has assembled a group of members to serve on the Election Committee for the 2001 Election. Those volunteering to serve include Kristen, John Berstein, Steve Fink, and Paul Chernoff. Henry Ware has agreed to once more serve as the Election Challenge Committee.

MacWorld San Francisco

Lorin Evans and Pat Fauquet reported on their observations of the MacWorld San Francisco, which they both attended. One of the highlights was the presentation of awards for the best User Group Web Site and the best User Group newsletters. The awards were presented by Adobe Systems. Judging was done by David

Ottalini, Pat Fauquet, David Harris, Nancy Seferian, and Kathryn Murray of the WAP. Pat reported that hand-held computers using the Palm Operating System were very much in evidence on the floor of the show. There was a suggestion that the WAP may want to permit the establishment of a SIG for those members with Palm OS compatible hand-helds.

Mail list service

Needham Langston reported on the progress he is making on helping the WAP establish a list of members and others that will be able to be used in directed emailings from the Pi. Of course, those without an email address will be unable to receive these emailings and will only

Welcome to WAP!

WHY USER GROUPS, ANYWAY?

By Dave Ottalini

FIRST of all—*thank you* for joining Washington Apple Pi (WAP for short). We really do appreciate your support and interest.

Secondly, why did you join? Why did you feel the need to become a member of a user group? It's a question many are asking today—why is there even a need for user groups anymore? In the past, it all had to do with folks who wanted to talk about the inner workings of their machine, what made it tick, how to write that cute Basic program.

Today's computer users aren't as concerned about the same kind of "inside" stuff. Most folks who buy a Mac these days want to quickly unpack, hook up, plug in, turn on and start surfing. End of worry. Or is it? You obviously joined WAP for a reason.

Members Helping Members

We have said for many years that WAP is an organization based on "members helping members." That is the essence of the club. Need your computer fixed? Bring it to our Tuesday night repair sessions. Want to learn more about the Mac OS, almost any application (program) out there, or the Internet? We have classes

have the Journal to rely on for news and information.

New Business

Mac OSX

The new Mac operating system, Mac OSX, is scheduled to be for sale on March 24, which is the date of the March WAP General Meeting. We are arranging to have some area Mac vendors on hand at the meeting, selling the new operating system. WAP volunteers will then assist any member who brings their qualified computer to NOVA to install the new OS on their machine. Inside the auditorium, people will be able to learn about the new operating system.

The Board meeting was adjourned at 9:10 pm. ■

for you and can even get you surfing quickly and cheaply with our own Explorer Service. Need to ask a question or see a demo of the latest utility? Come to our monthly meeting at Northern Virginia Community College in Annandale. Have an interest in stocks, graphics, genealogy, you name it? Join a Special Interest Group. Want to go to MacWorld? We have a bus waiting for you.

But are user groups (including WAP) still relevant as we begin our journey through the 21st Century? We think so because we believe those who use computers at business and home will always need someone to turn to. When the manufacturer won't provide help or goes out of business, guess who's left?

User Groups!!

Your new club, Washington Apple Pi, has worked very hard to remain relevant and offer new services to our members. Look through this magazine and see what we're talking about—articles for all levels of users, services that include a Hotline—when you need help fast, and more classes than you can image. And still there is more.

And as you get more comfortable with us, we hope you'll consider volunteering a bit of your time. We need articles for the journal (we'll even help you write them!), help on Tuesday Nights, help at our Computer Show and Sale and much more. Many don't take much time or effort, so please consider volunteering.

Remember to check our web site at www.wap.org for information. We'll be sending you notices by email on occasion. And look for the Journal, our award winning magazine, coming to you every other month.

Finally, thank you for joining! ■

Pi Fillings: The Questionnaire

Oh yuck - a survey. Yea, well keep in mind that we could call you at suppertime. Isn't this nicer?

We can't keep running this based on what we *think* people want. Here is your opportunity to tell management which offerings best serve your needs, what you would like to see added, and what to throw off the train. This survey is available to you in two places: remove these pages from the magazine and mail them to the office, or go to our Web site at <http://www.wap.org>, download a copy, fill it in, and send that in.

To get some idea as to how onerous this survey would be for you to complete, we asked a bunch of kindergarten kids to take it. Each took only about 10 minutes. Now admittedly they used crayons; so, your time may vary.

PART I. Who Are You:

1. Your name: _____ WAP Membership No. _____
 (if you don't know, look on the label) (it's also on that label)

2. Where do you live? Greater Washington Metropolitan Area Elsewhere
 (Baltimore to Quantico, West to Gettysburg) (like Mars)

3. Which computer(s) do you use: what is the series of their operating system(s) and where are they located?
 (Check all that apply:

Computer	Operating System (series)	Location
Apple II (all)	ProDOS	<input type="checkbox"/> home <input type="checkbox"/> office
Apple III	SOS	<input type="checkbox"/> home <input type="checkbox"/> office
Macintosh 128/512/Plus/SE/Classic	<input type="checkbox"/> OS 6 <input type="checkbox"/> OS 7	<input type="checkbox"/> home <input type="checkbox"/> office
SE/30/Cx/Ci/FX	<input type="checkbox"/> OS 6 <input type="checkbox"/> OS 7	<input type="checkbox"/> home <input type="checkbox"/> office
LC (all)/Centris/Quadra	<input type="checkbox"/> OS 7 <input type="checkbox"/> OS 8	<input type="checkbox"/> home <input type="checkbox"/> office
6100/7100/8100 PPC 7200/7500/7600 PPC	<input type="checkbox"/> OS 7 <input type="checkbox"/> OS 8 <input type="checkbox"/> OS 9	<input type="checkbox"/> home <input type="checkbox"/> office
iMac (all)	<input type="checkbox"/> OS 8 <input type="checkbox"/> OS 9	<input type="checkbox"/> home <input type="checkbox"/> office
G3/G4	<input type="checkbox"/> OS 8 <input type="checkbox"/> OS 9	<input type="checkbox"/> home <input type="checkbox"/> office
PowerBook (non-PPC)	<input type="checkbox"/> OS 7 <input type="checkbox"/> OS 8	<input type="checkbox"/> home <input type="checkbox"/> office
PowerBook (PPC)	<input type="checkbox"/> OS 8 <input type="checkbox"/> OS 9	<input type="checkbox"/> home <input type="checkbox"/> office
WinTel computer	<input type="checkbox"/> Win 95 <input type="checkbox"/> Win 98	<input type="checkbox"/> home <input type="checkbox"/> office
Other: _____		<input type="checkbox"/> home <input type="checkbox"/> office

4. Besides giving you grief at times, how are your machines useful to you? Including both home and work. Classify the types of tasks you perform from most to least [scale 1 to 3 (most to least used)]:

	Word Processing		Desktop Publishing		Money Management
	CAD/CAM		Engineering		Computer Programming
	Data Processing		Genealogy		Graphics
	Games		Gathering dust		e-mail to family
	Legal		Medical		Multimedia
	Music		Puttering around		Project Management
	Presentation		Research		Spreadsheets
	Other				

5. On the Web?

I am am not on the Web.

If YES, my Internet provider (ISP) is: AOL

EarthLink local ISP WAP

my employer (don't tell them) OTHER:

I connect to the Web via: modem DSL

Cable Modem Other: _____

6. Electronic Financial Services

I DO DO NOT pay bills, bank, or conduct other financial activities via the Web

I would if I could use my Macintosh:

YES NO

I would NOT even if I could. I don't trust it

PART II. Here is a list of all the services the Pi offers you. Which ones got you interested? Which ones keep you involved?

	Interested	Involved
The Journal	<input type="checkbox"/>	<input type="checkbox"/>
Monthly General Meetings	<input type="checkbox"/>	<input type="checkbox"/>
Tuesday Night Clinic	<input type="checkbox"/>	<input type="checkbox"/>
Special Interest Group	<input type="checkbox"/>	<input type="checkbox"/>
Hot Line support	<input type="checkbox"/>	<input type="checkbox"/>
Semi-annual show and sale	<input type="checkbox"/>	<input type="checkbox"/>
Regional Bulletin Board and File		
Download services	<input type="checkbox"/>	<input type="checkbox"/>
Talking to real humans when		
I call the office	<input type="checkbox"/>	<input type="checkbox"/>
Promise of good deals on hardware and/or software	<input type="checkbox"/>	<input type="checkbox"/>
Tutorials	<input type="checkbox"/>	<input type="checkbox"/>
TCS Explorer (Internet) Service	<input type="checkbox"/>	<input type="checkbox"/>
MacWorld bus trip	<input type="checkbox"/>	<input type="checkbox"/>
Easy way to acquire shareware	<input type="checkbox"/>	<input type="checkbox"/>
Good reference library	<input type="checkbox"/>	<input type="checkbox"/>
The Pi Fillings CD-ROMs	<input type="checkbox"/>	<input type="checkbox"/>
To offer my assistance to other members	<input type="checkbox"/>	<input type="checkbox"/>
Camaraderie of being with others with similar interests	<input type="checkbox"/>	<input type="checkbox"/>
Other _____		

PART III. The General Meetings

1. Have You Ever Attended A General Meeting?

- YES NO

2. If YES, how many in the last 12 months?

Approximately _____

3. If NO, why is that?

- Get real, I don't live within driving distance
 - You forgot to send me a visitor's permit to cross into Virginia when I renewed
 - Send me a notice the week before and I will consider coming
 - I am a novice and the topics are over my head
 - Conduct a mini-tutorial at the same time and I will come
 - Other
-

4. If you do come, is there something different you would like us to present or someone you would like to hear other than the usual crowd?

PART IV. The Journal

1. Do you read the Journal? All of it

- Some of it None of it

2. What parts do you look at besides the cover?

(Check as many as you want)

- The President's column
- Reviews
- How To articles
- Tutorial calendar
- Apple news
- Meetings calendar
- Hotline list
- General Meeting summaries
- List of member contacts

Other _____

3. Are there some classes of material that you would like to see more of in the Journal:

- how to articles
- software reviews
- hardware reviews
- in-depth coverage of a particular topic
- first person user experience stories
- other: _____

4. The Journal is 96 pages. We have been asked to consider an on-line version. It would be some form of Adobe Acrobat document (PDF). And you say:

- leave the Journal alone
- you want to put a summary PDF up on the web to interest non-members, sure
- I am a tree-hugger. Switching to PDFs makes sense
- I hate PDFs. All I end up doing is printing the thing out at home before I read it
- other: _____

5. What could we do to encourage you to write for the Journal?

- Ask, I'm ready
- If you will help me with a topic and mentoring, I will try
- I am too much of a novice
- Write it for me
- I can't write as well as others

PART V. Tuesday Night Clinics

Almost every Tuesday night real wizards work their magic on sick Apples. You get to watch as your computer comes back to life thanks to the high potency herbs they use.



1. Have you ever taken advantage of the Tuesday night repair clinic? YES NO

2. Would you be willing to assist with a repair clinic?

YES, if you had one on: _____

No way. I am allergic to digital dust

PART VI. Tutorials

1. Have you ever attended a WAP Tutorial?

YES, a bargain

NO, I live in the DC area. But, if you offered them on the Web I would try one

NO, but if you offered _____, I might.

2. Would you be interested in passing on your knowledge to others?

Maybe, if you will help me develop my material. I could teach:

I would be interested in teaching an on-line class

Dream on

PART VII. WAP Telecommunications Services (TCS)

1. Is the WAP your primary Internet Service Provider (ISP)? YES NO

2. Do you use any of the electronic services offered by the Pi? Check each you use:

Internet e-mail (only)

Regional bulletin board (TCS)

File Transfer

Full Internet access

3. Do you know that you can access our regional bulletin board (TCS) from the Internet via a program called NiftyTelnet? YES NO

Have you ever tried it? YES NO

4. IF you use the regional bulletin board (TCS), what do you like about it:

the on-line community

answers to questions

Apple news

files available for download

the price

support for older machines

e-mail access

Other _____

You've got to be kidding. I can't figure out how that thing works

5. What electronic service would you like to see us offer?

take that regional bulletin board and put it on the web so all members can access it

other: _____

PART VIII. Community Outreach Programs

The Pi is a important community resource. It is a chance for us to give back to society for all that we took early on. Below are two of the programs that are typical of our contributions:

1. Computer Refurbishing

The Pi recycles donated computers and peripherals, and gives them to deserving families, institutions, and

schools in different communities — not just in the Metro Washington area. We provide them to folks who live around the corner from you or all the way to Bombay, India.

a. Are you aware of this activity?

YES NO

b. Do you believe the Pi should continue to do this? YES NO

c. If your answer to question 2 is Yes, would you be willing to assist?

There is used equipment I or my company can donate

I would be willing to assist in preparing machines for donation

I would be willing to help a recipient master their new Mac

2. Other Services

We are often asked if we have speakers available who are willing to address social clubs, teachers, retirees, etc. on topics related to using computers.

I would be interested in learning more about speaking on behalf of the Pi

I turn to Jell-O in front of an audience

PART IX. The Library

The WAP has a collection of over 2500 books devoted to all facets of Apple and Macintosh computing dating back to 1979. We also have complete sets of magazines devoted to both platforms, plus a number of video and audiotapes.

1. Are you aware of the existence of this library?

YES NO

2. Have you ever used the library? YES NO

3. Do you think you would ever use the library?

YES NO

4. Would you be willing to help maintain the library?

YES NO

I have some books or magazines I can donate

I can assist in cataloging donated material

Other _____

PART X. What did we miss?

You know we avoided all the tough questions. OK, so what didn't we ask that you want to sound off about?

Good job! Now that you are finished, it would be nice if you sent it to us by the end of April. Here is how: Mail it to the office at:

Washington Apple Pi
Attention: Survey
12022 Parklawn Drive
Rockville MD 20852.

You can also turn in your completed surveys at either the January or February 2001 General Meetings, or drop it by the office.

If you never complete surveys, write to: <lorin.evans@wap.org> and tell him why.

This survey is also available on our web page.

Mac Reclamation Project A Holiday Success

TWENTY-FIVE families in the Washington, DC area received a holiday gift they may have never thought possible this past month—a newly refurbished Macintosh computer. Washington Apple Pi, the largest, and one of the oldest user groups in the world, made it all possible through its Computer Reclamation Project. “We started this project many years ago for two reasons,” says Pi President Lorin Evans. “First, to help those who might not be able to get a computer to have one. Secondly, to recycle these Macs to ensure they continue to give years of valuable service.”

Just before Christmas, the Pi distributed 25 complete computer systems to organizations in the Washington, DC area. Those organizations will make sure the Macs will go to families that don't have computers. “This is just one example of our ongoing Reclamation Project,” says Evans. “Our volunteers spend many, many hours recycling all varieties of Macintoshes so that they may be returned to the community.” WAP has even sent computers to needy organizations overseas.

The Mac computer systems consisted of the following:

- Macintosh 6100CD
- 24meg RAM
- 230 Meg Hard Drive
- Preloaded software
- A Copy of the CD Pi Fillings—Goes to School
- A Copy of The CD Grolier's Encyclopedia
- 13 inch Color Monitor
- Keyboard and mouse
- ImageWriter II printer with ribbon

We want to thank the following members who donated their time to helping with the project:

- Herbert Block
- Ed Escalante
- Lorin Evans
- Pat Fauquet

- Steve Fink
- Victor Nazarian
- Dave Ottalini
- Scott Poit
- Jim Ritz

- Dale Smith
- Jay Thal
- Jon Thomason
- Laszlo Vajda
- Beth Medlin

We'd also like to thank the companies that provided computers for the project:

- TMP Worldwide Integrated Marketing Communications
- Norwood School
- The McLean School of Potomac
- Human Genome Sciences
- 3 Com

The systems were distributed as follows:

Two systems to:

- Arlington Count, Virginia
- Department of Human Services
- Mental Health, Mental Retardation and
- Substance Abuse Services Division
- 1725 N. George Mason Drive
- Arlington, VA 22205

Five systems to:

- D.C. CASA Unit
- Court Appointed Special Advocate
- CASA Program of the Superior Court of the
- District of Columbia
- 1424 16th Street NW, Suite 102
- Washington, DC 20036

Five systems to:

- Library Media Center
- Malcolm X Elementary School
- 1351 Alabama Avenue SE
- Washington, DC 20032

Seven systems to:

- Immigrant Family Advocates
- 129 N. Irving Street
- Arlington, VA 22201

Four systems to:

- Veterans Administration

Two systems to:

- Roberto Clemente Middle School
- 18808 Waring Station Road
- Germantown, MD 20874 ■

washington Apple pi general meetings

9-11 a m

March
Canon imaging/
Mac OS X Party
Mar. 24, 2001

Northern Virginia Comm. College
Community & Cultural Center Aud.
8333 Little River Turnpike
Annandale, VA

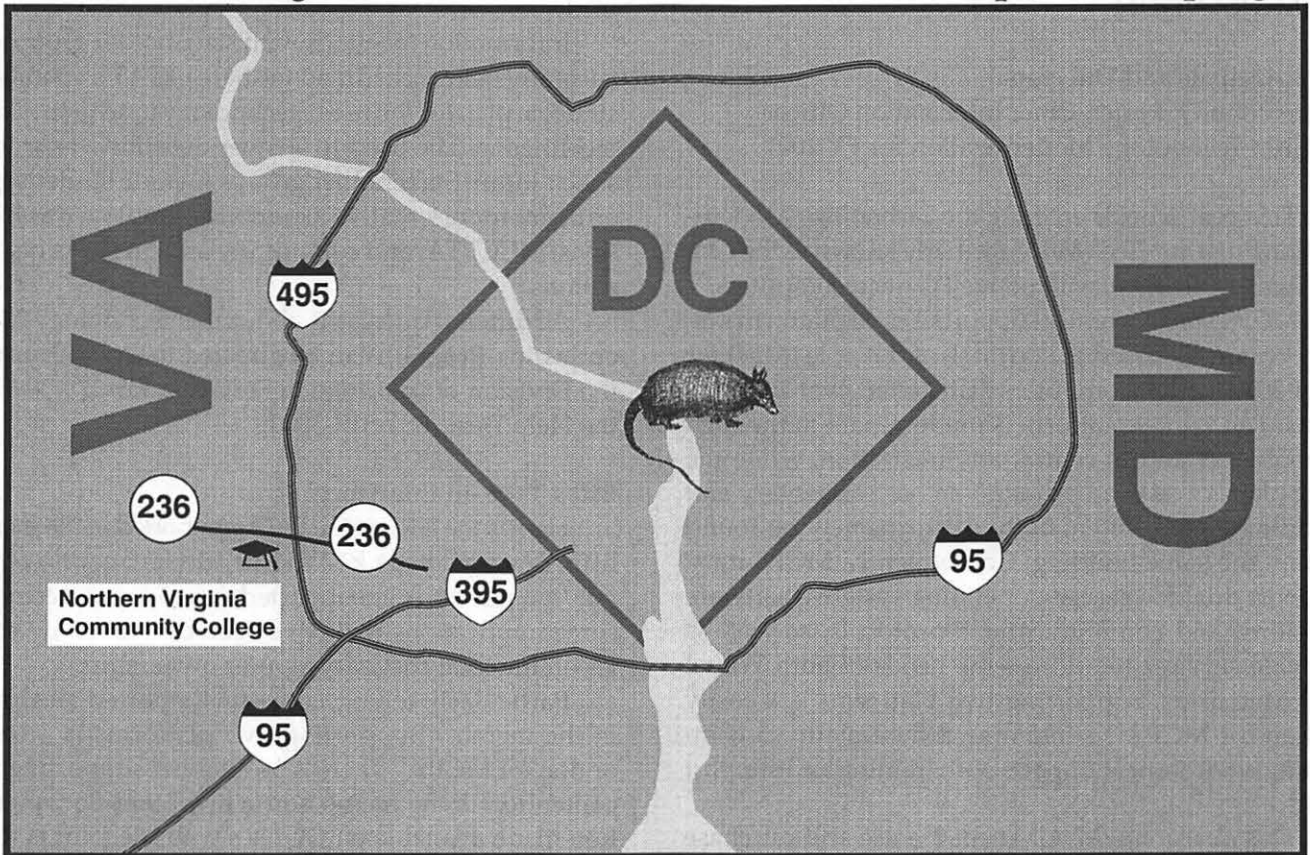
Getting to NoVa:
take Exit 6 West
onto VA 236
(Little River Turnpike)

April
TBA
Apr. 28, 2001

2001

It's not just a movie anymore.

For schedule changes check the TCS or the Pi's Website at <http://www.wap.org/>



Montgomery County Schools Drop Macs

(a compilation of news reports)
By Bill Fox, MacsOnly.Com

Montgomery County, MD, Public School System Goes Dark: Macs were put on an extinction curve in the final decision by MCPS' CIO John Porter.

Here is the full text of the memo circulated by email and paper by the CIO:

Office of Global Access Technology
MONTGOMERY COUNTY PUBLIC SCHOOLS
Rockville, Maryland
November 27, 2000

MEMORANDUM

To: Principals and Directors
From: John Q. Porter, Chief Information Officer
Subject: Technology Modernization for FY 2001

This year schools entering the Technology Modernization Program (Tech Mod), formerly known as the Global Access initiative, will receive PC microcomputers.

MCPS staff currently supports a dual platform system Windows-based PC (Wintel) and Apple (Mac) for over 30,000 microcomputers distributed over 200 locations. The Wintel platform is predominant at the high school level and in central administration, while the Mac platform is used primarily in our elementary and middle schools. Often, both platforms may be found within the same building. Consequently, MCPS must support dual file servers, operating systems, software versions, and communications protocols, as well as provide services to address the needs of both Wintel and Mac users. Supporting two platforms is a costly option for MCPS. Maintaining a dual-platform computing environment impacts both training and support costs.

This decision will not affect the use and purchase

of Apple computers when this is the most appropriate choice for a particular use, such as electronic graphics. In addition, MCPS is in discussions with Apple regarding a pilot that will use Apple's wireless network system that Apple executives say creates a "platform independent" environment. I also want to make it clear this action does not mean removing usable Apple computers from our schools.

The Office of Global Access Technology (OGAT) is committed to communicating this change to all stakeholder groups in a timely and comprehensive manner. The attachment, Frequently Asked Questions for Fiscal Year 2001 Technology Modernization Schools, serves as a quick source for answers to anticipated questions. This will be posted in FirstClass conferences and on the MCPS Web site.

This year's Technology Modernization schools will receive an additional memorandum inviting the principal to an information meeting during which they will learn what equipment they can expect to receive, as well as timelines for installation and training. The Division of Field Operations and the Division of Technology Training will conduct this meeting. Information and training meetings for staff are being scheduled.

Information meetings with stakeholder groups are currently being scheduled to share OGAT's vision and strategic plan for the use of technology in schools. These meetings will be used to answer questions, as well as solicit input. Stakeholder groups include student government representative assemblies, employee associations, MCCPTA, and community and business organizations.

Additional questions about the Technology Modernization Program can be directed to OGAT through the Division of Information Services, 301-279-3995, or the Help Desk, 301-517-5800.

Bill's Take on this Story:

Here is the URL of the FAQ mentioned in the memo: <http://www.mcps.k12.md.us/departments/ogat/pdf/faq.pdf> It has unsupported assertions and contains some implications that have been disproved by studies on the total cost of computer ownership.

Particularly telling is the unsupported statement in the memo, "Supporting two platforms is a costly option for MCPS." There is no analysis supporting this contention in the memo nor in any other documentation made available on OGAT's web site. Nor is there



“Particularly telling is the unsupported statement in the memo, ‘Supporting two platforms is a costly option for MCPS.’ There is no analysis supporting this contention in the memo nor in any other documentation made available on OGAT’s web site.”

an analysis showing that the chosen PC platform configuration is less costly than the Mac or even other PC alternatives considering the total cost of ownership even if only one platform were less costly than a mix. Finally, the main issue for any entity is not just cost but how effective the tool is to do the job, i.e. cost effectiveness. The job of a school system is education not IT for the sake of IT. There is no analysis available from OGAT that even addresses this issue. In fact, there is no document posted that even describes the new “Technology Modernization Program” which purportedly has replaced the now discredited “Global Access Initiative” which is still posted.

As frequent readers know, Macs Only! broke this story May 24 and 25 based on a communication from a reader and our and many readers’ follow up. The response to the story sparked the review of GAI that was just completed and brought intervention by Apple representatives. The result is not convincing despite the welcome platitudes contained in the email regarding future Apple purchases and the potential consideration of AirPort wireless networking. Macs Only! has requested from MCPS’ OGAT and the Montgomery County Board of Education any and all documentation supporting the cost conclusions contained in the email and the FAQ and showing how education effectiveness was factored into the decision. Readers, especially Montgomery County, MD, residents may wish to request the same documentation from the Board and the MCPS CIO. ■

Viva la Difference

A MacNovice Column by Ralph J. Begleiter
Updated by Dave Ottalini

PC USERS have, over the years, faced any number of obstacles in getting their machines to work in a consistent, intuitive way. The latest versions of Windows are making progress towards this goal but there is still a ways to go.

As a MacNovice, you have never had to face this kind of frustration. From the moment you turned on your Mac (new or used) you were able to do many of the most basic of functions—print, save, run an application—without ever reading the instruction manual.

Without even realizing it, MacNovices benefit daily from the most basic of Macintosh concepts: a simple, intuitive, consistent “user interface.” MacNovices who’ve never used a computer before probably don’t even appreciate the small miracles they accomplish every day because of this straightforward relationship between the machine (and its software) and the user.

Incidentally, users who can make the comparison between the two computer platforms are confronted regularly with the absurdity of the harder-to-master user interface which predates the Mac.

Other examples of the comparison abound. But you’ve probably never appreciated them if you’re a

“But the beauty of the EDIT menu is not limited to editing within one software program. The beauty is magnified a thousand times when you realize that the EDIT menu is available, in identical form and function, in virtually every Macintosh program published. This is the miracle of the Mac’s user interface.”



MacNovice, spoiled by the simplicity built into the software.

Windows, by the way, is basically an attempt by Microsoft to copy... well you know.

Simplicity

On virtually every Macintosh spreadsheet program, you simply point to the dividing line between columns, click, and drag the width of the column to where you want it. You can change it simply at any time to accommodate larger-than-expected numbers or text.

When you're working with a database on the Mac, you don't have to define in advance the length limits of the individual "fields" into which you'll be entering data. You don't have to know in advance how many different chunks of information you plan to enter. Using most Mac database software, you can make some educated guesses at the start, but you know you'll be able to change your choices at any time later on, without losing the data you may have already entered. You can even add "fields" without jeopardizing information you've already entered.

Often, on the Mac, you can make these changes without remembering *how*, simply by pointing and clicking and dragging the mouse. Windows users have over the years made great strides in being able to do many of these same things. One reason, at least on the database front, is that Apple ported FileMaker Pro to the PC! The programs can even share files.

Compatibility

Macintosh users, even MacNovices, are used to the idea that it's possible to CUT and PASTE words, pictures, charts, graphs, even (in spreadsheets) complex formulas. Using the EDIT menus is probably second nature to most Mac users.

But the beauty of the EDIT menu is not limited to editing within one software program. The beauty is magnified a thousand times when you realize that the EDIT menu is available, in identical form and function, in virtually every Macintosh program published. This is the miracle of the Mac's user interface. It's possible to cut and paste among different programs, using exactly the same commands, exactly the same mouse and menu movements.

And it's not just the EDIT menu. Notice the FILE and APPLE menus. Even FONT and STYLE menus almost always work the same way. No matter whether

"MacNovices who've never used a computer before probably don't even appreciate the small miracles they accomplish every day because of this straightforward relationship between the machine (and its software) and the user."

you're word-processing, drawing, painting or creating a spreadsheet or database.

Consistency

Although the PC world has adopted some of these Macintosh conventions, it's still one of the banes of the Windows world that programs don't always share the same commands, the same functions.

A command which performs a CUT in one program might well do something completely different in another. The PRINT command in a word processor may well perform an entirely different function in a spreadsheet program.

That was a difficulty which Macintosh creators worked hard to overcome in the first place. Apple encourages publishers of Macintosh programs to adhere to carefully-thought out guidelines for the user interface, so that Mac users, even (especially) novices, can feel familiar in any program, even if they've just opened it for the first time.

That's why the Mac still looks and feels different from most PC compatible machines. Enjoy the feeling. Enjoy the familiarity. But don't take it for granted. Apple certainly hasn't - that's why you'll see an entirely new version of the operating system - called OS X - in 2001.

Many programmers (in both Mac and PC worlds) have come to recognize the value of consistency for users, and many new programs now conform to conventions of consistency. And as computer operating systems change, you'll notice fewer and fewer distinctions in coming years. "Windows" is not there yet - but the fact is, it is close enough for many users - even if they don't understand the Mac OS is still so much better. ■



Mac Lingo 1

A MacNovice Column by Ralph J. Begleiter
Updated by Dave Ottalini

EVEN AFTER years of using a Macintosh, I still talk with MacNovices who are puzzled by the "computerese" which surrounds the Mac. Remember that many Mac users are not only novices to the Macintosh, but to computing in general. And the growing complexity of the Macintosh system has even some old hands foundering on the shoals of the "lingo."

So here's a MacNovice's guide to "MacSpeak."

- Application - As with almost any other job using your Mac involves using the appropriate tools for each task. An application is merely a computer program containing the right collection of tools for the job you want to accomplish.

If you're writing, you'll need the "word processing" tools which are contained in a computer application such as Apple/ClarisWorks, Word or WordPerfect. If you're making pictures, you'll need the picture-making tools contained in applications like Adobe Illustrator or Quark Express.

- Initialize - No sooner do you insert a brand new blank disk into your Mac (internal on older systems or external add-ons in newer ones) than you are greeted with a message asking you if you want to initialize the disk. How should you know?

Initializing a disk is nothing more than *preparing it for use by your Macintosh*. This includes: *complete erasure of the disk, division into sectors* (much like painting parking stripes on new asphalt), *and giving the disk a name*. (On other computer systems, this is referred-to as "formatting" a disk.) Without initializing, your Mac can't recognize a disk or use its available space. (If you ever tried to *start up* your Mac with a blank, uninitialized disk, your Mac would reject the disk and ask for another.)

Warning: Whenever you initialize a disk, you erase it completely, so never initialize a disk containing any data you want to keep.

- System File - Every Macintosh needs a system

"There are *other* system files in your system folder. Some have simple and familiar names, such as Extensions and Control Panels. Others have unfathomable names such as General and Finder or MultiFinder. Many are located within special folders inside your System Folder. All of these files are basic to the Mac's operation . . ."

file to operate. It's not really important that you know what's inside the **system** file, but it contains such computer resources as the fonts used on the desktop, the dialog boxes you'll see for many standard Macintosh functions, and even the "bomb" messages you get when something goes wrong.

The system file is stored inside the "System Folder" on a disk. It must be present for the Macintosh to operate, so don't trash it. It is possible to OPEN the **system** file, to extract system sounds and certain other Macintosh resources, but my strong advice to MacNovices is to leave the system file alone.

There are *other* system files in your system folder. Some have simple and familiar names, such as Extensions and Control Panels. Others have unfathomable names such as General and Finder or MultiFinder. Many are located within special folders inside your System Folder. All of these files are basic to the Mac's operation, providing the computer with many of the familiar features which make it a Mac. (The Control Panels folder, for example, could include a LaserWriter driver which gives the Mac everything it needs to know to print documents on your LaserWriter printer. Similar "printer drivers" are installed for other kinds of printers. The Scrapbook contains not only the images and text you store in your Mac's Scrapbook, but also the computer code which operates the Scrapbook itself.)

- Finder/MultiFinder - These are the names of the



computer programs which run the Mac's familiar electronic desktop, containing the trash can, as well as icons for your disks, folders and documents. They're called Finder because they help you find electronic files stored on your disks, and help the Mac take care of house-keeping chores such as organizing Files into folders, erasing disks, emptying the trash can, etc. (As simple as these tasks may seem, they still require a computer application (program) to accomplish.)

You'll find the MultiFinder only if you're running System 6 on your computer. It allows *other* computer applications to run while the desktop remains visible on your screen. Under System 7, 8 and 9, the Finder remains visible all the time.

- Apple Menu - This is the menu without a name at the top left-hand corner of your Macintosh screen. It's got only the icon of an apple. Beneath it are found all of the *desk accessories* you have installed in your System 6 file, or, under Systems 7, 8 and 9, it includes any documents or applications you've installed in the Apple Menu Items folder within your System Folder. The apple menu always appears in the same place on the screen of all Macintosh applications. It also usually contains one menu choice called "About (name of application)..." This choice often presents you with a brief screen message containing the name of the application you are using, its version number, and perhaps information about its creators. In the Finder, this menu choice also contains useful information about how much of your computer's memory space is free.)

- Window - For all intents and purposes, the Macintosh introduced the concept of computer screen windows to popular usage. Windows are essentially *subscreens* which appear on your Macscreen. Each one contains certain information distinct from what's inside another window. On the Mac, windows may be changed in size and shape by the user, allowing a flexible display of information according to an individual user's wishes.

The best illustration of windows is in the Finder, where disks and folders each have their own windows associated with them. When you OPEN a disk icon, you see a window displaying the contents of that disk. When you OPEN a folder, you see a window displaying the contents of that folder. You may change the shape and size of each window to suit your work habits.

Windows have now been widely adopted on other computers as well, because they help users compart-

"Remember that many
Mac users are not only novices
to the Macintosh, but to com-
puting in general. And the
growing complexity of the
Macintosh system has even
some old hands foundering on
the shoals of the 'lingo.' "

mentalize their information into manageable batches.

- RAM - This acronym stands for Random Access Memory. It's the memory space built into the hardware of your Mac which the computer uses to store information temporarily. (*Disks are* where most information is stored *permanently*.) You need to know very little about the RAM in your Mac, except how *much* of this space you have. (Some applications won't operate without adequate RAM space.) The computer uses RAM invisibly to shuttle tiny bits of information in and out of its memory whenever it needs them. This information ranges from computer program instructions to the data *you* enter. Eventually, you'll want to learn more about RAM, because managing it skillfully can make your computer work more efficiently.

- ROM - Another computerese acronym, standing for Read Only Memory. In hardware terms, ROM is very similar to RAM. It's made of the same sort of computer chip. But ROM doesn't allow information to be shuttled in and out. *It's permanently* endowed with certain very basic instructions your Mac needs. Every Mac's ROM, for instance, contains the basic information about how to operate the disk drives, how to start-up, etc. Except for being able to know what it is when you read about it, you'll *never* need to know anything more about ROM.

Next month, we'll explore some more MacSpeak, with the goal of helping MacNovices clear away the underbrush of lingo surrounding their Macintosh computers. ■

Troubleshooting 101— Solving Application Problems

by Pat Fauquet

IT HAPPENS to the best of us! We start our friendly computer, and something goes wrong. An application that worked fine last time we used the computer is now “messed up.” This primarily happens late at night, early in the morning, or at when there is no one to call. One of these “problems” hit me this morning and so I took a few screen shots to show you my problem and the things I did to fix it.

The culprit this time is AppleWorks 6. It could be any application on the computer. No, I am not picking on AppleWorks 6. In fact, this is the first time I have had a problem with the program since I installed it many months ago.

Today’s problem looked like this (Figure 1). Note that the whole “sheet of paper” was only about four by five inches. When a problem such as this occurs, there is a series of steps that I take before I panic. While some may argue that some of these steps may be unnecessary, they usually will fix any problems I am having with applications on my computer. However, if the problem you are trying to solve involves Microsoft Internet Explorer or Netscape Commu-

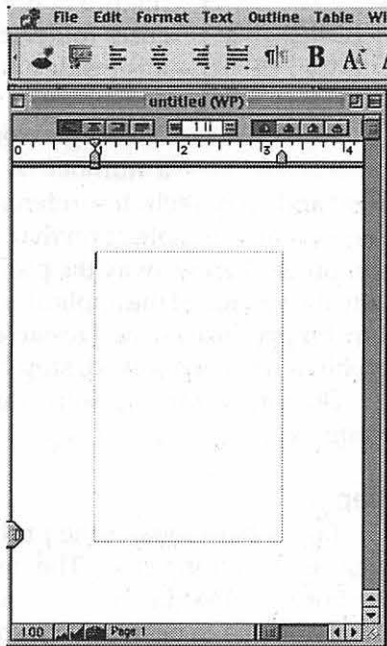


Figure 1.

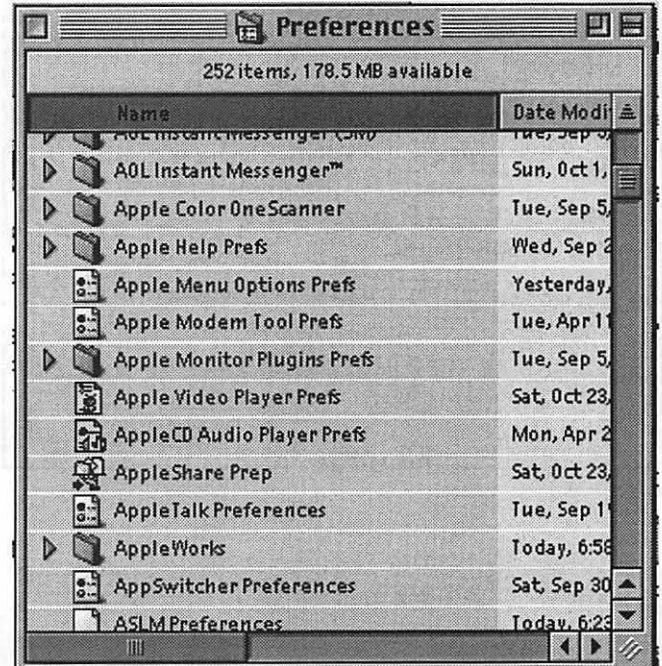


Figure 2.

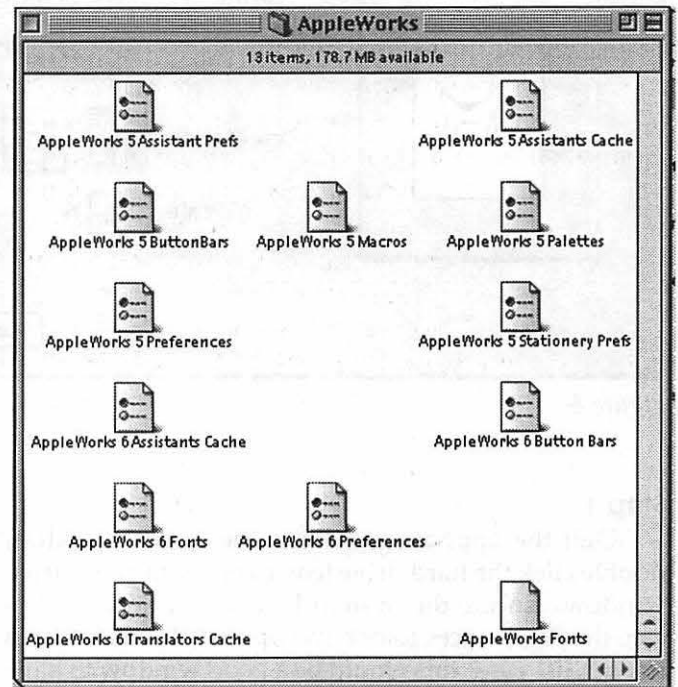


Figure 3.

nicator, please wait for next month’s article to attempt to fix your problem. When an application freezes continually, the culprit usually is not having enough memory assigned to the application. Please see the article on adding memory to an application that was printed in the—Journal.

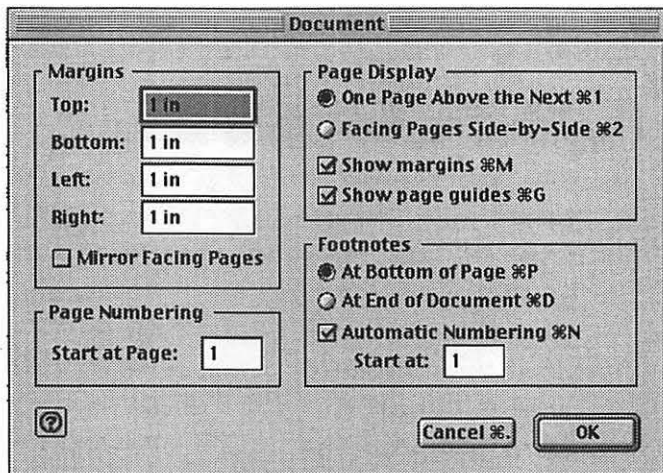


Figure 4.

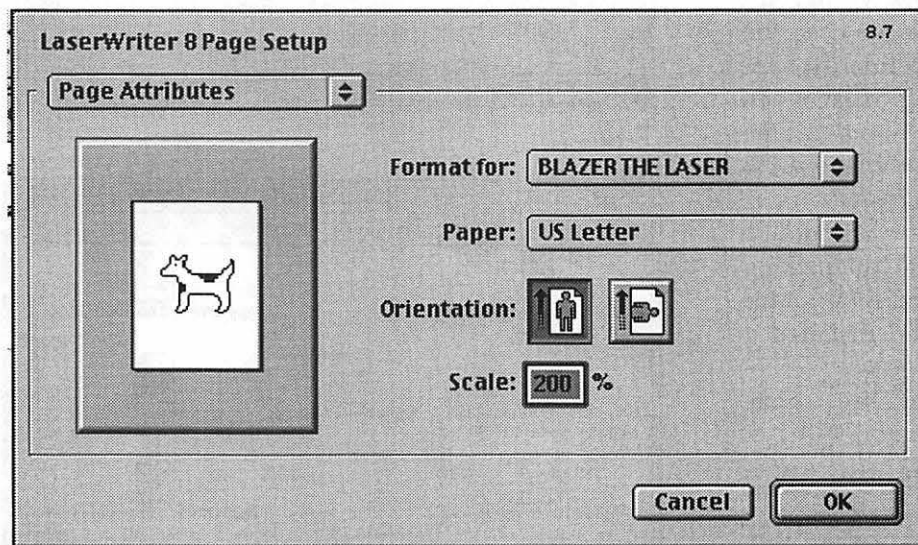


Figure 4.

Step 1

Quit the application. From the finder (desktop) double click the hard drive icon to open the hard drive window. Locate the System Folder and open it. Locate the Preferences folder and open it. If this folder is not in a list view, this would be a good window to have in that form. Preference files are made for each application that you use on your computer and for most system components. They are stored in this folder and remain here unless you throw them away. Preference files keep track of how you, the user like to have an application work. Default preferences were set by the application's programmer and are written into the code of the application. When you throw away a prefer-

ence file, a new one will appear the next time you start the application.

Over time preference files may become corrupted. If they are, your computer and the applications stored on it may begin to show problems, so the first thing I do is throw away the preference files that I know are most subject to corruption. Remember, when these files are thrown away, the application will make a new, default preferences file the next time the computer of application is started.

Locate the Finder preference file. Place it in the trash. Located the QuickTime preference file. Place it in the trash. Locate the System preference file (this one will only be present on the later version of the operating system, such as Mac OS 8.5, 8.6 etc.). Place it in the trash. (Figure 2) Now restart your computer. Try the

program or action that was giving you a problem. If it works, empty the trash and you are done. If the problem has not been solved, continue.

Step 2

Again, quit the offending application. Open the Hard Drive, System folder, and Preferences folder. Look for a preference file for the application. It may be loose in the Preferences file, or it may be located in a folder inside the preferences file. (Figure 3) If it is loose in the Preferences folder, throw it in the trash. If it is inside a folder, open the folder.

The AppleWorks folder will contain a number of different preferences files, and may include preferences files from earlier versions of the application that you have had on your computer. Throw away the preference files associated with the version of the application that is having a problem. Empty the trash and restart the application. If your problem has been solved, stop here.

Obviously, my problem was not solved, so I will continue.

Step 3

Take a hard look at the problem. Here, the document is the wrong size. The next place I looked was the Format/ Document . . . window. (Figure 4) Everything appears to be all right in this window, so now it is time to do some more thinking. The size of the docu-

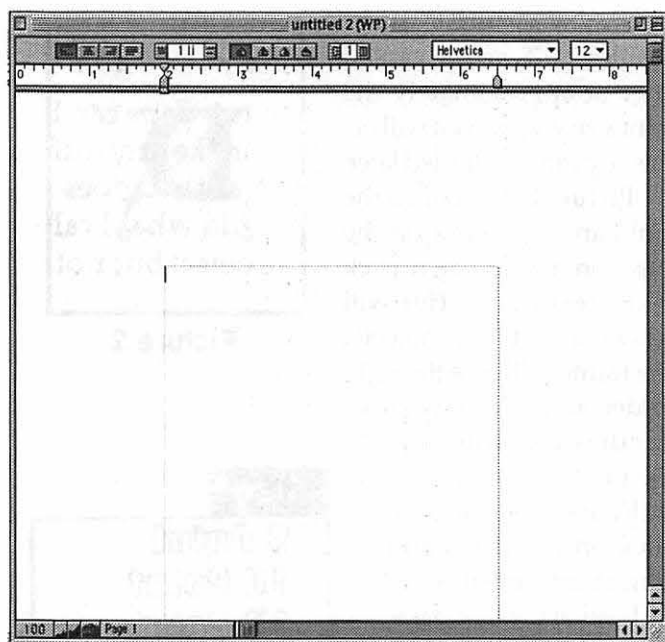


Figure 6.

ment is also controlled in the File/ Page Setup . . . window. (Figure 5). Opening it showed something that might be causing the problem. Note that the "Scale" box was set at 200%. I changed that number to 100 % and then took another look at my document. Things had improved, but now I had a bigger piece of paper, but the margins were two inches on each side, so it was back to the Format/ Document . . . window. Somehow, changing the percentage from 200 to 100 caused the program to double the margin size. I changed the margins back to 1 inch and closed the window. (Figure 6 and 7)

Step 4

Wait, I solved the problem in Step 3, right? So why is there a Step 4? Remember that when we opened the File/ Page Setup . . . Window, 200% was filled in for the "Scale"

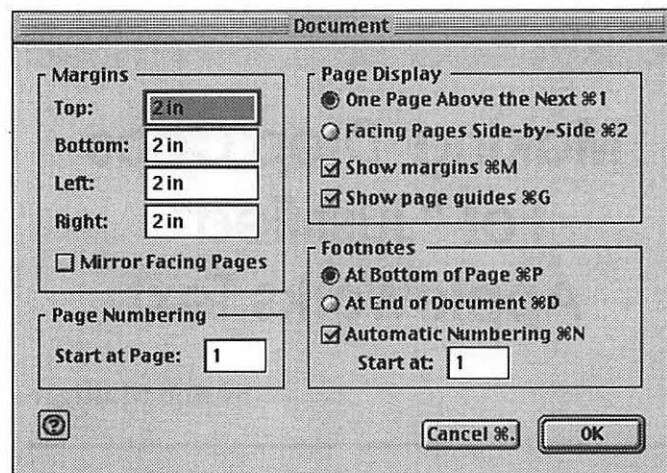


Figure 7.

setting. That means that a default percentage had been set somehow. Since I do not want to face this problem each time I open AppleWorks, I need to find a way to set a new default document scale. Enter 100%, then hold down the "Option" key on the keyboard as you click the "Okay" button. (Figure 8). Doing so will bring up this last window, and the problem will be solved.

Pat Fauquet is the Tutorial Coordinator and an instructor for Washington Apple Pi. She teaches a wide variety of classes.

She can be reached at patf@wap.org.

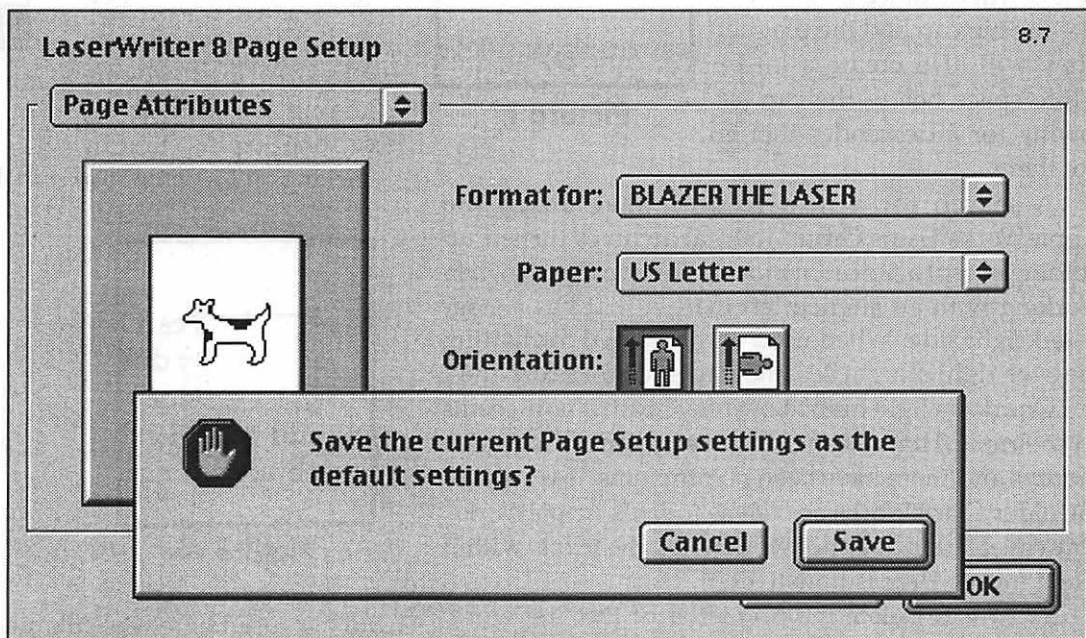


Figure 8.



Making Drop Caps For "Justified" AppleWorks Text

by Bob Mulligan

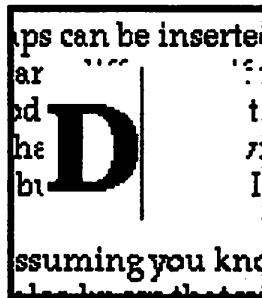
DROP CAPS can be inserted into an AppleWorks text document in a jiffy. It makes no difference if the document is set for align left or justified, which is aligned left and right, because this drop cap procedure does not disturb the right-side margin. When you make the large cap you will combine it with what can call an "invisible drawing object." The secret is to text wrap the invisible object but not the cap. I can pop one into place in 30 seconds.

If you know the basics of using the AppleWorks word processor, then you also know that you can not simply make a large cap, drop it into place and text wrap it. The adjoining lines of text will distance themselves like the big cap had the plague. They will also create a lot of white space below the cap allowing for a descender that is not there.

A search for a how-to-do-it method in the AppleWorks Users Group Journal archives turned up nothing except a procedure to use a drop cap only when working with an aligned left margin that has a staggered right side. When used with justified formatting the even right margin became staggered for a few lines.

One day a light bulb lit over my head. It now seems all so simple. I have been using this procedure for many months and there have been no problems. It works for the older ClarisWorks as well as today's AppleWorks. One caveat: this does not work when the text is within a text frame. Here is how to do it.

Picture 1. Delete the first letter of the first word. Then drag a text frame which will hold the drop cap. You can do this right on top of the existing text on the

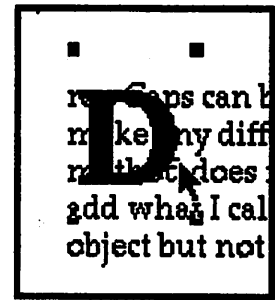


Picture 1

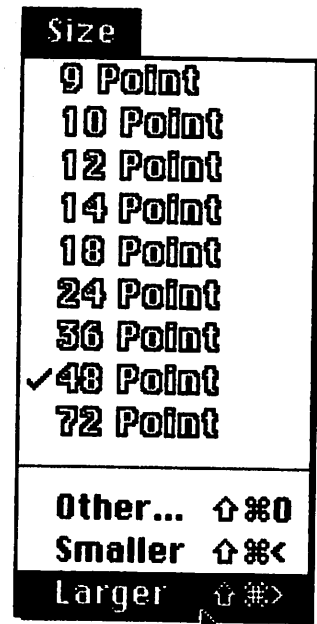
page, it will "float" there harmlessly. Type the capital letter at approximately the point size you think it will be. This size can be adjusted later.

Picture 2. Next open the Tool Panel and click on the selection arrow. Then click on the text frame. This will make it a drawing "object". The frame will lose the light border and will now show four drawing "handles," one in each corner. This indicates it is selected. Click on the letter and drag it into position at the head of the first paragraph. It should not be text wrapped but if the text reformats itself away from the cap, then it is text wrapped. In that case go to the Options menu, click on Text Wrap and click on *None*. It should look like this illustration.

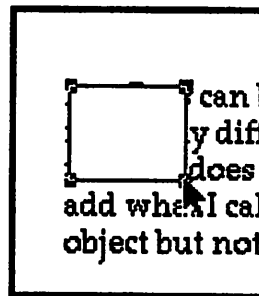
Picture 3. Now that the cap is in position, and still selected, you may size it exactly by enlarging or reducing the cap one pixel at a time by clicking on *Larger* or *Smaller* in the Size menu. The Capi-



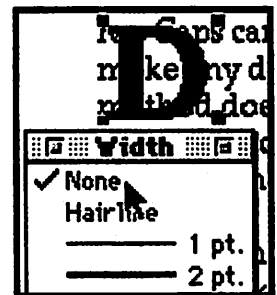
Picture 2



Picture 3

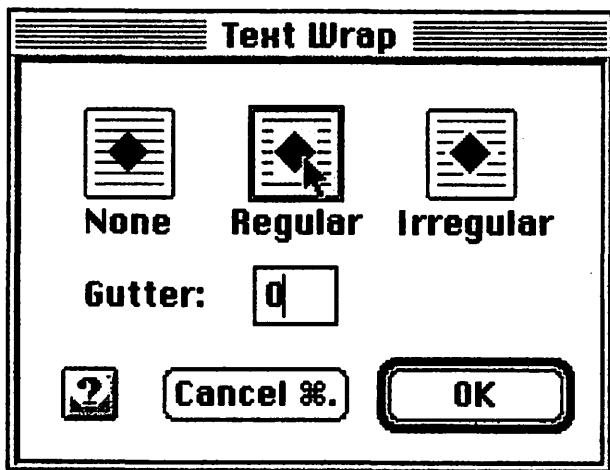


Picture 4



Picture 5

tal "D" used here was enlarged to 52 points from a 48 point original.



Picture 6

to be the "invisible object". Extend it to the right beyond the cap just a little bit. It should not extend downward or it will block the text line below the cap. There is no need to be too fussy, it can be fine-tuned in a moment.

Picture 5. Go to the Width palette and select None. This will eliminate the black border on the invisible object.

Picture 6. While the invisible object is still selected, go to the Text Wrap dialog box as explained above and click on Regular. Make the gutter space "0" so there will be no extra space between the object and the lines of text.

Click on OK. If you were watching, the text jumped away and rewrapped around the cap. If you were using a justified format the right margin rewrapped evenly.

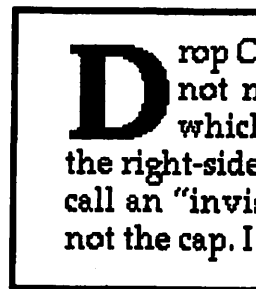
Picture 7. While the now invisible object is still selected, you may make a final adjustment to the text lines if necessary. You can nudge the invisible object left or right one pixel at a time by tapping the appropriate arrow keys. The text will obediently move while the cap stays put. If the line below the drop cap does not return to the left margin, nudge the object up and out of the way by tapping the up arrow key.

When satisfied, click on the cap to select it and to deselect the object. You may now nudge the selected drop cap in the same manner, if needed. Click on "A" in the Tool Panel to return the page to word processing and you are through.

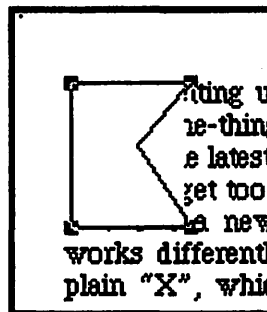
Picture 8. Here is a variation to this drop cap system. What if the capital letter is a fancy script capital letter or a graphic of an irregular shape? If you want the text to follow the contour of that shape, you will

have to use an irregularly shaped invisible object. Here we use the new OS X graphic and the lines of text mirror the shape.

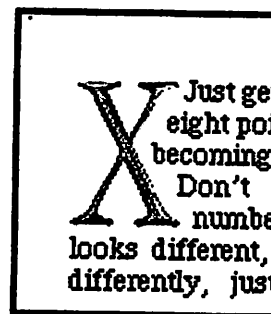
Picture 9. Make the irregularly shaped invisible object using the irregular polygon tool on the Tool Panel. To cover the graphic, click once to start your shape, click again each time you change direction then double click when you have returned to the starting point. When text wrapping be sure to select *Irregular* in the dialog box so the text lines will follow the shape



Picture 7



Picture 8



Picture 9

of the image. Don't forget to change the gutter to "0". Everything else is the same as when using the rectangle.

You may use any font for the cap you think will be complimentary. You can also add color from the Button Bar color palette and/or texture from the texture palette or style it with a selection from the style menu. What is best? To paraphrase the late Dizzy Gillespie's comment about good music, if it looks good, it is good! Your decorative drop cap will start off your manuscript just as if you bought one of those high-tech expensive software programs. ■

The author: I am a retired (Ha!) photographer and I write a newsletter for the Mac Computer Group of Leisure World, in Silver Spring, Maryland, where I live. I do not use special software for layout, just plain AppleWorks. This is sufficient for my use, except I could not make a drop cap without destroying the right margin of the justified text. I read a string in the WAP Journal's "Best of the TCS" where others were having the same problem so I thought I would share the answer.

The screen shots were made with the "Flash-It 3.0.2" software and

all were sized to the same dimensions by running each through the same Paint mode window created with AppleWorks.



Memory Mapper 1.5

Reviewed by Brian G. Mason

SOMETIMES THE best things in life are free. This is certainly the case with Memory Mapper by R. Fronabarger. This little program takes the mystery out of how your computer is using the memory you have made available to all the programs you are trying to run on your Mac. It does this by drawing you a picture of exactly what is tying up the memory and how much memory is being used.

What Does It Do?

A memory map is a graphical representation of the address space used to show where computer programs or applications and the associated data are stored in RAM and where they are in relation to each other. Memory Mapper draws this map for your Macintosh. When the Finder reports "Not enough memory to load application" it is often because there is not enough contiguous memory available. Memory Mapper makes it easy to see how memory space can become fragmented. You can also see graphically if there is enough available memory before you launch that next application and crash your machine.

What it shows you.

Look at Figure 1. This shows Memory Mapper running on my Mac. I launched it immediately after launching Wingz, my spreadsheet application. This display shows that I have 128 MB of built-in RAM. At the top of the map, you see that I have Virtual Memory (VM) turned on. Memory Mapper displays five types of memory blocks. At the very bottom of the map are the Low Memory Globals. This is the location for many system parameters. Above the Low Memory Globals is the System Heap. This is the RAM that the System uses for storing its current resources such as fonts, icons, and sounds. At the top of the map is High Memory. This portion of RAM is used for debuggers, sound and video buffers, and the disk cache. In between low memory and high memory is the memory used for

"This little program takes the mystery out of how your computer is using the memory you have made available to all the programs you are trying to run on your Mac. It does this by drawing you a picture of . . . "

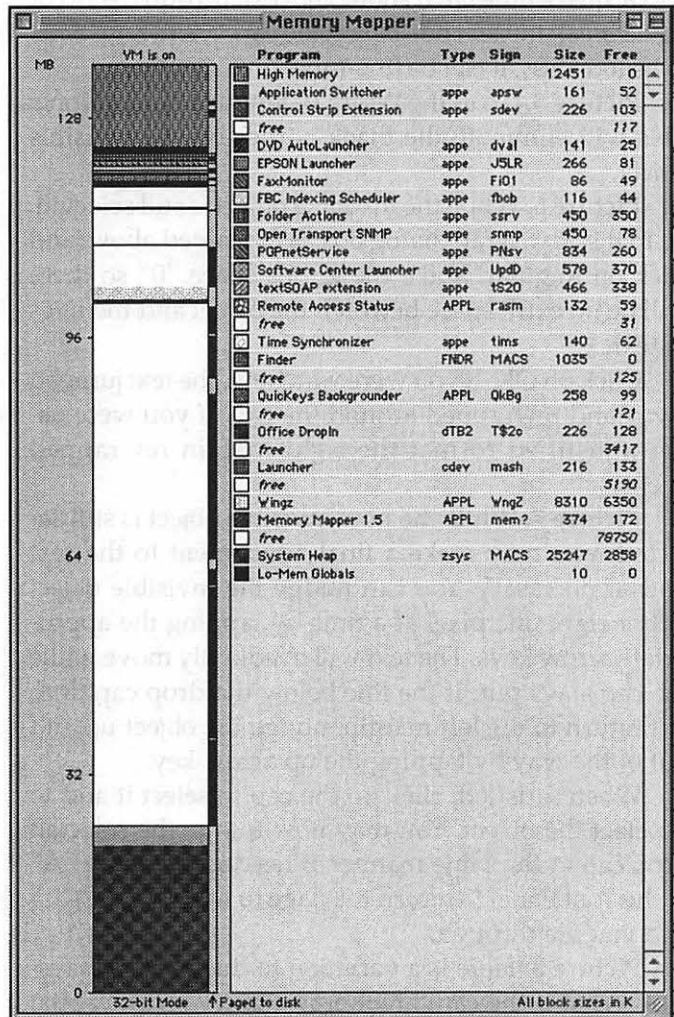


Figure 1.

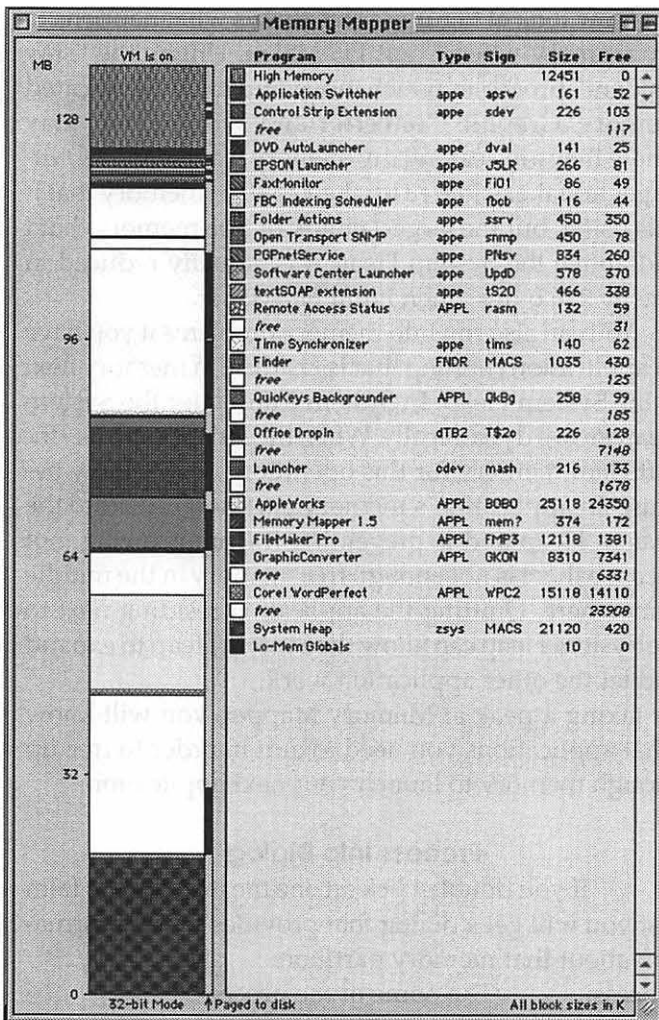


Figure 2.

processes—Applications, desk accessories, and background processes.

Immediately to the right of the map, is a bar that shows the areas that have been mapped to Virtual Memory. The black areas are what are currently stored in the backing file on the hard disk. If you look at Figure 4, you will see what happens when Virtual Memory is turned off. Even though Wingz is no longer running, the System Heap at the bottom of the map is using more memory.

To the right side of the map is the Item List which shows the name of the application running in each memory partition, its type, signature, size, and the amount of free space left in that partition. Right under High Memory you see all of the programs that are launched at start up and perhaps unbeknownst to you keep running until you shut your computer down.

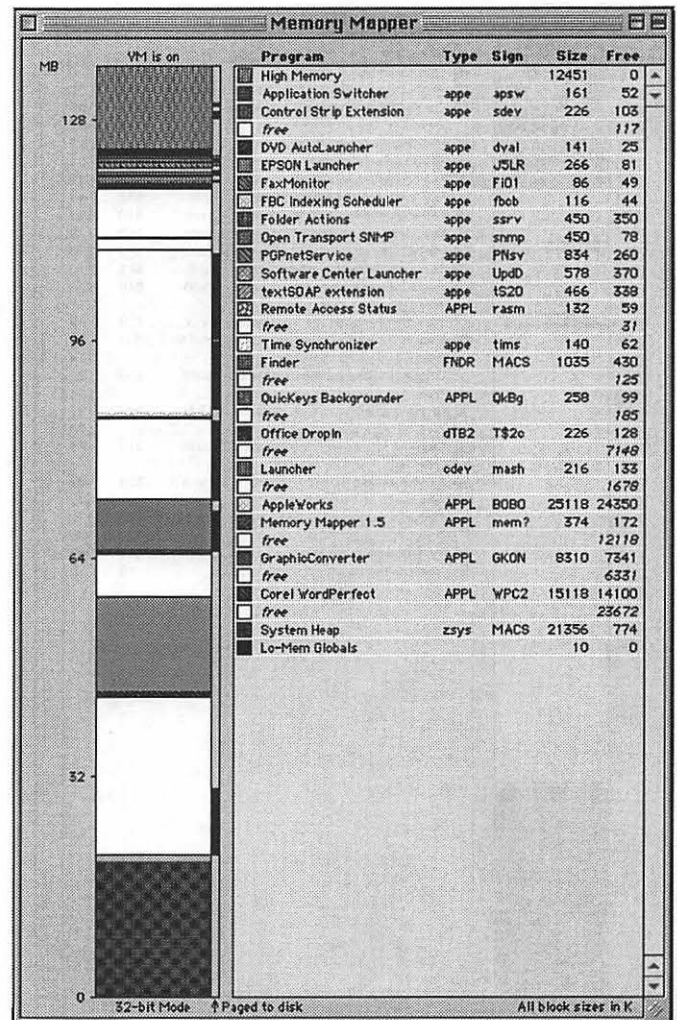


Figure 3.

These programs are sitting there monitoring your computer, waiting just in case you need them. If you are desperate for a few extra bytes of memory and you are absolutely certain you do not need one of these “stay resident” programs, Memory Mapper allows you to select the item and from the menu, issue an “AppleEvent ‘quit’ message” to a currently-running process. This allows you to quit some processes which you normally can’t quit from, such as the Finder or certain background processes. For example, if you know you won’t be using your DVD drive, you could quit it. The nice thing about these “stay resident” programs is that they will all then move up to fill the vacated memory space, giving you more contiguous free memory below.

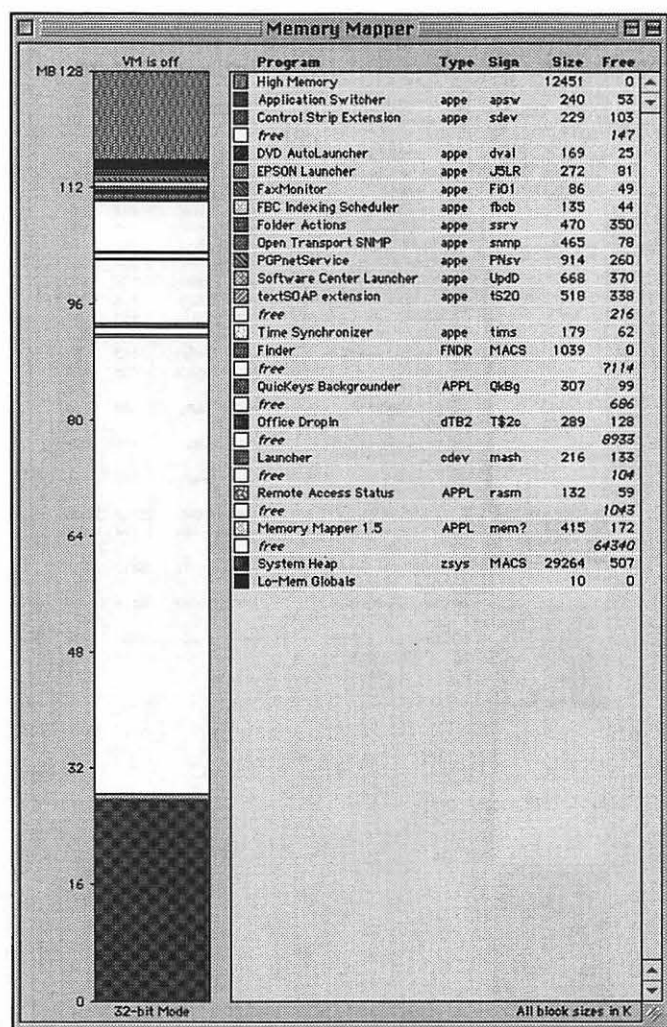


Figure 4.

Freeing Up Memory

The reason contiguous memory is so important is because when you launch an application, it must have one complete chunk of contiguous memory to run in. It won't divide itself up to fill available space like a file will do when it is stored on your hard drive. Look at Figure 2. This shows how I have filled much of my available memory by running AppleWorks, FileMaker Pro, Graphic Converter, and WordPerfect all at the same time. You will notice the darker areas on the map of each memory partition. This is how much memory of the memory allocated to the application is actually being used. You may find that you have allocated way too much memory to an application and so you would be able to go into "Get Info" and reduce the memory allocation. In the case of FileMaker Pro on my machine, I may need to allocate more memory to the application since out of 12 MB allocated, I only have about 1.4 MB free.

Now look at Figure 3. This shows what happens to my memory when I quit FileMaker. Unlike the "stay resident" processes which moved up to fill the vacated memory, Graphic Converter and WordPerfect stay where they are, leaving my memory fragmented. Quitting FileMaker did free up the 12 MB of memory that it was using, but the largest chunk of free memory that I had above the System Heap was actually reduced in size by 236 bytes when I quit FileMaker.

You can also run into memory problems if you have an application running that is residing in memory next to the System Heap. In System 7 and later the System Heap grows dynamically. When the Finder reports "Insufficient memory for this operation" it is usually because an application's memory partition is next to the System Heap and is preventing it from growing, not because there is not enough free memory in the middle somewhere. Quitting the application residing next to the System Heap can allow the System Heap to expand and let the other application work.


By taking a peak at Memory Mapper, you will know what applications you need to quit in order to free up enough memory to launch your next application.

Process Info Dialog

If you double-click on one of the items in the Item List you will get a dialog that provides more information about that memory partition:

- Process: The name of the process.
- Type: Memory block type: application, desk accessory, or background process.
- Address: The base address of the process or partition.
- PSN: Process Serial Number (high/low).
- Launched: Time and date when the process was started.
- Active Time: Accumulated CPU time (hh:mm:ss)
- Path: Path to process's file.

Memory Mapper requires System 7.1 and a 68020 Mac or later and is available on the WAP TCS File Transfer area.

 I give this program 8 pie slices out of 8.



Mac OS 9.1 — What's New?

The Window Menu in Finder

by Dale Smith

MAC OS 9.1 was released (somewhat quietly) on January 9. It is an update to prior Mac OS 9 versions that improves the system, changes a few things for an organization closer to what I have seen in Mac OS X Public Beta (Mac OS X PB), and adds a few new features ... which also bring Mac OS 9.1 closer to Mac OS X PB.

The "Window" menu

One of these new features is the Window Menu in Finder. This kind of feature is also found in many applications such as Microsoft Word, Excel, Powerpoint, BBEdit, ProTERM, ClarisWorks/AppleWorks, etc. In every case it offers the capability to manage access to various windows which the specific application has open.

In Finder the Window Menu is placed between the View Menu and the Special Menu (see Fig. 1 - Menubar). It displays a list (Fig. 2 - Window Menu) of all the open Finder windows that you see in Fig. 3 - A Mess of Windows. Some of the windows in the list are totally hidden behind others and don't show in Fig. 3.

Making another Finder window the active window, is an action that has its usefulness. It lets you get to files or folders in windows that are hidden

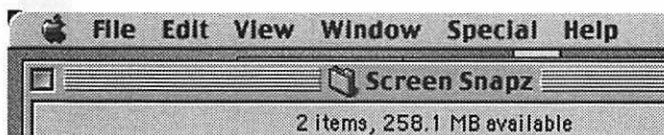


Fig. 1 - Menubar

"It is an update to prior Mac OS 9 versions that improves the system, changes a few things for an organization closer to what I have seen in Mac OS X Public Beta (Mac OS X PB), and adds a few new features ... which also bring Mac OS 9.1 closer to Mac OS X PB."

behind something else in Finder. I often have multiple windows open in Finder and quite frequently find myself in the awkward position of having the window I want fully hidden behind others so that I cannot click on it to bring it to the front without closing other windows.

Notice how the overlapping windows in Fig. 3 have hidden the window titles. Now in Mac OS 9.1, if I needed to access something in one of the background windows, I can find its name in the Window Menu and select it to make it the active window. Of course, since

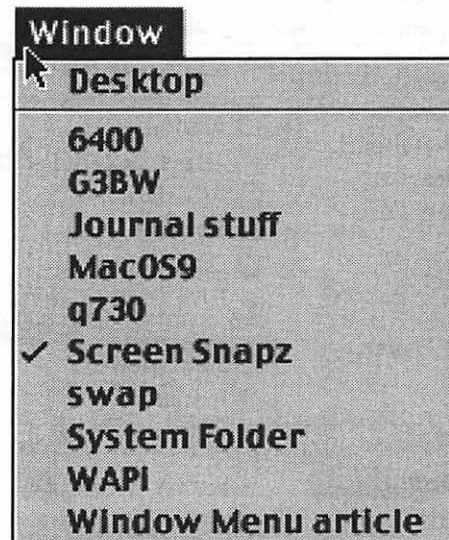


Fig. 2 - Window Menu

some of the windows are partially visible, I might also click on the window to do the same thing, assuming that I recalled its name correctly. It's for reaching fully hidden windows like "Journal Stuff"

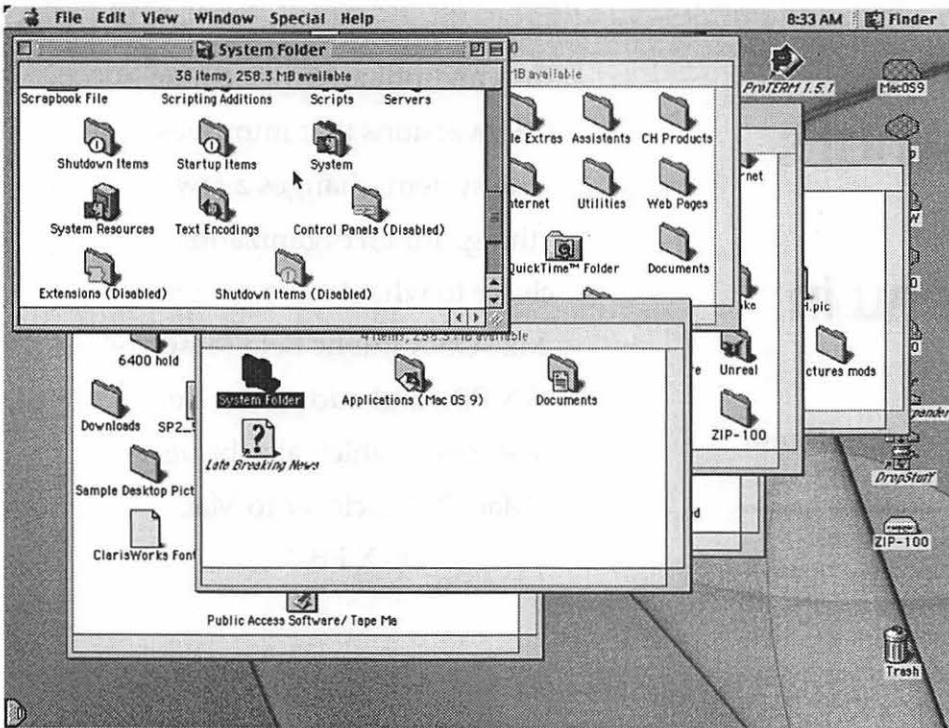


Fig. 3 - A Mess of Windows

or "Screen Snapz" where the Window Menu comes into its own.

A hidden feature

Another action that is *not* apparent from looking at the menu is one that may prove to be quite useful. With the Window Menu, you can now close Finder windows that are in the background *without* first bringing them to the front. In Mac OS 9.1, you can close a window from the Window Menu if you press the **OPTION** key when you select the window's name from the Window Menu.

This capability is also present in Mac OS X PB but not in quite the same way. In Mac OS X PB you use the

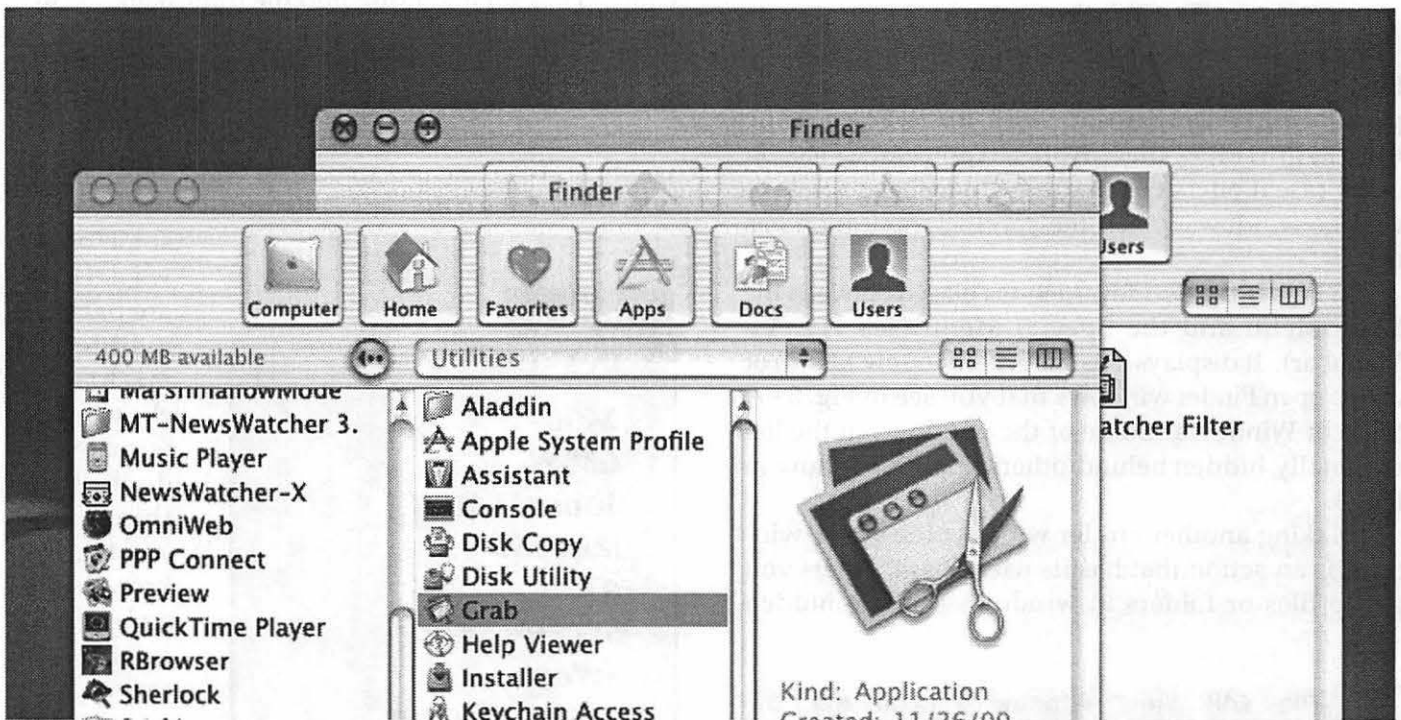


Fig. 4 - Mac OS X PB widgits



close widget on the window's title bar as you see in Fig. 4 - Mac OS X PB Widgets. The widgets in the background window have become active when the pointer approaches them, even though the window itself remains inactive in the background.

A dead end feature?

Notice that besides the various window names, there is also a Desktop item ... one that is permanent since there's always a desktop. Selecting it doesn't actually bring the Desktop Folder "to the front" of other Finder windows so that you can see what's on it the way it does for other windows. I suspect this is due to the fact that the Desktop Folder is a hidden folder in Mac OS. Selecting Desktop only makes the desktop active. I'm not sure how I could use this action ... maybe I have a lack of imagination here <grin>.

I normally make the desktop active by clicking on a piece of it showing somewhere. As you see in Fig. 3, even with a mess of windows, there's a lot of desktop space visible to click on. But if your whole desktop were covered, you could use the Application Menu at the right end of the Menubar to make Finder active, then use the Window Menu to make the desktop active. However, since the desktop was presumed fully covered, I don't know what more you could do with it.

Finally

The window management feature has been a frequently requested addition to the Mac OS. A number of shareware or freeware extensions have provided this capability for the Finder in the past. Now, due to the popularity, Apple has included it in Mac OS X PB, hopefully in Mac OS X, and added it to Mac OS 9.1. ■

This is one of a number of short articles focused on Mac OS 9.1 and some of its new user features.

About the author: Dale Smith has been a member of the Pi since 1983. He is active on the TCS crew and has written occasional articles for the Journal. He does beta testing of various programs, some mentionable and others unmentionable :) He also tries to help members solve communication and OS problems via the Hotline or calls taken at times in the Pi Office.

Ten Steps to a better day, the Macintosh way

By Tom Witte

1. Run Disk First Aid
2. Update your Virus/Macro/Worm Protection software
3. Reorganize your file system
4. Back up important files
5. Read the Help files and Manuals of *your most used programs*
6. Check out some enhancement shareware utilities
7. Make the world a better place. Restart the economy—pay some Shareware fees.
8. Make the world a better place. Restart the economy—buy something. USB card for older Macs, More Ram, Bigger monitor, etc.
9. Make the world a better place. Use your Mac to do good. Say hi. Send a thank you.
10. Make the world a better place. Payback. Write an article for the WAP Journal to share what you have learned with others. ■



Willow Design: iMac Carry Case

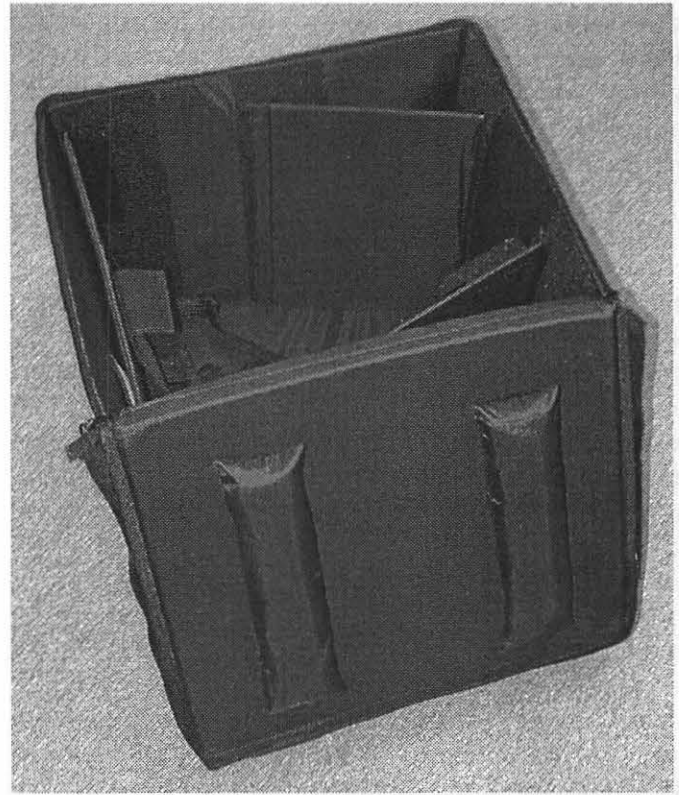
© 2001 Washington Apple Pi Labs

ONCE UPON A time, Washington Apple Pi Labs had three computer cases to review. Two of these, a briefcase and a backpack, were reviewed in the November/December 2000 *Journal*, but the third review, of an iMac carrying case, suffered an equipment failure. No, it wasn't the iMac or the case. Instead, Washington Apple Pi Labs broke the camera used to document the reviews, causing a lengthy period of profound depression. Willow Design, unfortunately, doesn't make carrying cases for digital cameras. (Hint-hint.)

But if you've got an iMac, their iMac Carry Case is a winner. You might ask, why would you need a carry-



The iMac Carry Case has movable partitions attached with Velcro, allowing you to tailor the fit of the case to your iMac and needs. When angled inward, the partitions form corner pockets deep enough to hold the keyboard, mouse, power cables and other trivia. We didn't have an opportunity to try this with one of the new Apple Pro keyboards. (Photo by Lawrence I. Charters)



Empty, you can see the thickness of the sides of the iMac Carry Case, plus the cushioned "bars" across the opened top. The top is secured using a heavy-duty zipper. Note the partition against the left edge, designed as additional protection for the front of the screen. (Photo by Lawrence I. Charters)

ing case for an iMac? After all, it has a built-in carrying handle, which strongly suggests that an iMac is portable. Except that it weighs quite a bit, and the handle doesn't help you carry the cord, mouse, keyboard and any other essentials you might need.

And so: the iMac Carry Case. Like other Willow Design cases, it is strongly constructed of dense foam padding covered with heavy fabric. The case is so strongly made, in fact, that it might even be possible (not that anyone would do such a thing) to stack a mound of cables, hubs, and odd pieces of network equipment on an empty case. Washington Apple Pi Labs does not recommend such activity, of course, but we needed a small table in a hurry.

When not serving as an emergency table, it does an even better job as an iMac carrying case. There is ample space to put all the essentials, yet at the same time everything is snug and can be transported without any unnecessary vibration. We did notice that the



Heavy straps can be Velcroed together at the top to form a handle, or you can use the handles located on the sides of the case. Or, if you are a pro football player, you might find the detachable shoulder strap just the ticket. (Photo by Lawrence I. Charters)

case is a bit bulky to be easily strapped in a car seatbelt and shoulder belt, but you can do it with a bit of effort.

Carrying the case is something of a chore: an iMac is not very light, and is fairly bulky. Willow Design put straps on the sides of the case, has another set of straps that Velcro together at the top to form a carrying handle, and even includes a shoulder strap, in case you want to carry it that way. In Lab tests, very large men could carry the case, with computer, draped over a shoulder – but they didn't like it. The side straps and carry handles proved more popular.

Unlike notebook cases, there isn't much competition for iMac cases. We've seen a few, but they are little more than bags for carrying the iMac, with next to no padding or protection.

Unless you own a private plane, it is doubtful you'd be allowed to carry an iMac, in this case or any other, as carry-on airline luggage. And while we have the utmost respect for the strength and durability of Willow Design cases, we wouldn't trust the case into the tender mercies of airline checked baggage handlers. Instead, the case is best used for storage of an iMac and for iMac trips by car or truck (or maybe even a pleasant cruise).

When we first looked at the iMac case, it came in

any color you wanted as long as it was black. Since then, Willow Design has also added charcoal (gray), navy, teal, and Baltimore's favorite color, purple. They've also redesigned the case so that it tapers more to fit the shape of an iMac; our review unit is a classic cube shape.

We highly recommend the Willow Design iMac Carry Case, if your iMac has the urge to travel.

iMac Carry Case, \$168

Colours (they're Canadians): Black, charcoal (light gray), navy, teal, purple

Willow Design Ltd.

6943 Antrim Avenue

Burnaby, British Columbia

Canada V5J 4M5

Willow Design Ltd.

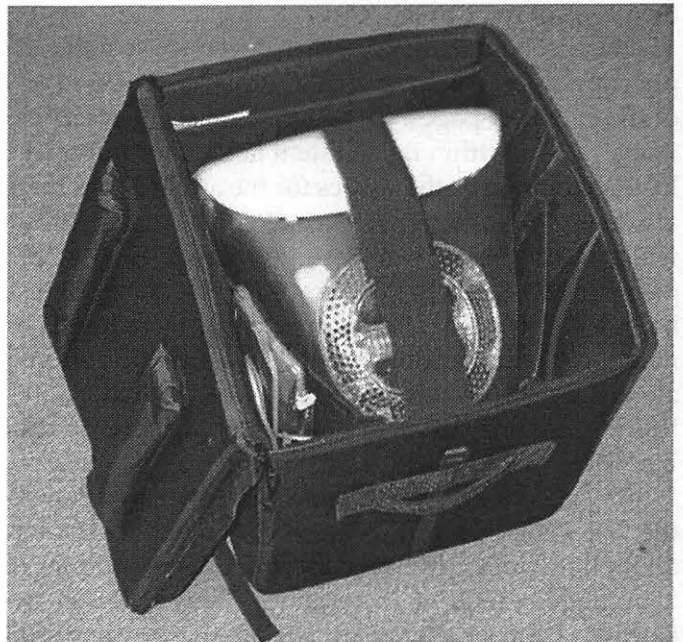
800 Grant Avenue

Blaine, WA 98230

800-668-1109

<http://www.willowdesign.com/NL-27.html>

willow@willow-design.com



An iMac, safely tucked in the iMac Carry Case. Willow Design recommends threading the "seat belt" through the carrying handle on the iMac but, sadly, our photographer is a Mac person and never follows directions. (Photo by Lawrence I. Charters)



Customizing the Launcher

By Brian Mason

THE LAUNCHER that comes with the Apple Operating System is an easy way to display the applications you use regularly. It also allows you to launch applications with just a click of one of the Launcher buttons. However, some people start putting so much stuff on their Mac that they end up with four, five or more rows of buttons on a Launcher page.

The Launcher comes configured with four buttons along the top labeled "Applications", "Internet & Phone", "Learning", and "Service/Support". Clicking on each of these buttons brings up a "page" with a different set of application buttons. It is very easy to add another application button. All you have to do is create an alias of your application and drag it onto one of the pages of the Launcher.

It is also very easy to create a new page so you can put some application buttons on it and move them off of the cluttered pages. To do this, find the "Launcher items" folder within the "System Folder" and open it. Inside you will see the aliases for the applications that are on the "Applications" page of your Launcher. You will also see other folders. These correspond to the other pages in the Launcher. Notice that the folder names have small black circles in front of the names. The names of the folders become the labels on the buttons along the top of the Launcher. Inside the folders are the applications that appear on that page of the Launcher.

To create a new page for the Launcher, pull down the "File" menu and click on "New Folder". For now allow the folder to be named with the default name "Untitled Folder". Make certain the new folder is inside the "Launcher Items" folder. Now click on another of the folders inside the "Launcher Items" folder so that the name of the folder is selected. Press Command-C to copy the name. Now click on your new "Untitled" folder so the name is selected. Press Command-V to copy the file name onto the new folder. Now rename

"It also allows you to launch applications with just a click of one of the Launcher buttons. However, some people start putting so much stuff on their Mac that they end up with four, five or more rows of buttons on a Launcher page."

the folder to whatever you want it to be, getting rid of the unwanted folder name by backspacing and then typing in the new name. **Be very careful not to touch the first part of the name, the part with the black circle.**

You may now move the aliases you want to appear on the new page for your Launcher into this new folder you just created. Once you close the "Launcher Items" folder and get back to your normal desktop, you will have a new button along the top of your Launcher, and a new page ready to receive more application buttons. If you create enough new folders, the Launcher will automatically create a second row of buttons along the top. ■

If you have any short tutorials you would like to contribute, any neat tricks or amazing discoveries you would like to share with the rest of the Pi, please email them to the editor of the Journal.

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WALLS: MAC OS X AND FREEDOM

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MAC OS X brings with it many things, and over the coming months you will hear about these in detail. But it also brings with it something you may not hear about: it brings walls. There will be controversies about “barriers to acceptance” and the “high hurdles” to bring computers up to the requirements of Mac OS X, but there are other walls. For most users, these other walls may prove the most important.

Walls are good. Our ancestors built walls to keep wild beasts from carrying off loved ones, and keep dinner from running away. Walls successfully defended the ancient city of Troy until that nasty Greek gift showed up. Walls in restrooms offer privacy; walls in offices offer status. Walls in a grain silo contain the grain and keep it from spilling out. On a submarine, walls keep the air inside and the sea from spilling in.

Walls divide things. While the most famous such division may be the Berlin Wall, there are more common reminders. Walls keep the general public out of exclusive country clubs, and keep visitors away from the aliens in Area 51.

Walls do both good and harm. While expressways may be good, allowing travelers to move from Point A to Point B with greater speed, they bring with them increased vehicular noise. So residents complain to government officials, who complain to transportation officials, and transportation officials erect tall “noise barriers” alongside expressways. What was once a

pleasant drive with pleasant scenery is transformed into a frantic dash between two walls, with only a narrow ribbon of sky for a view.

But what does this have to do with computers?

Prior to the Mac, the world was a highly disciplined place. To use a computer, you had to know how to type, and type accurately. It helped if you were not only good with numbers, but also good with mathematics. If your mathematical skills extended to binary numbers and base 16, all the better. You also needed to understand how computers functioned if you wanted a computer to do anything useful, and know where to put data if you wanted the computer to recognize it and act on it.

The Mac changed that. You didn’t have to type the name of a program to run it; you could just click on an icon. While the Mac was very good with numbers, users didn’t have to be; millions of Mac users successfully perform all manner of tasks on Macs without ever learning anything at all about binary and hexadecimal numbers. You could put data almost anywhere; the Mac didn’t care where you placed a word processing document, a spreadsheet document, or a drawing. Wherever you placed these files, clicking on the file would magically find and launch whatever program was required to manipulate it, no matter where it was stored.

Mac users are notoriously undisciplined. They leave files on the desktop by the score. They create folders on the fly, and place bizarre collections of files within those folders. The names of the folders, and the rea-



“Mac users are notoriously undisciplined. They leave files on the desktop by the score. They create folders on the fly, and place bizarre collections of files within those folders. The names of the folders, and the reasons why they are arranged – assuming the user troubles to impose arrangement — are under the control of the user.”

sons why they are arranged – assuming the user troubles to impose arrangement — are under the control of the user. The user gives the files and folders structure – if they want to. The user imposes order and discipline – if they remember. The Mac, meanwhile, doesn't care: toss a game, 300 graphics files, a score of WordPerfect files, thirty Microsoft Word files, and a dozen MP3 audio files in a common folder, complete with an icon of Dan Quayle and, if it makes sense to you, it makes sense to the Mac.

The Mac was the first apathetic computer: it just didn't care. With some notable exceptions, it didn't care how you organized programs on your hard drive. It didn't care if you failed to organize files on your hard drive. If you wanted to color-code the items in your System Folder, you could. If you wanted to give all your folders and files a Star Wars motif, you could. If you wanted to line up aliases of all your commonly used programs at the bottom edge of your screen, you could. Or you could place aliases of these programs in the drop-down Apple menu. Or you could do all these things at once, simultaneously trying out several methods of organization, and failing to fully follow any of them. The Mac didn't care; it would still launch AppleWorks if you clicked on an AppleWorks file, even

if it was buried with a collection of games in a folder called “Trip to Boston.”

Microsoft Windows, UNIX, and UNIX-like derivatives such as Linux, are far more rigid. Programs must be installed in specific locations, and moving a program somewhere else may render it inoperable. Files created by the user are similarly constrained, and there are rules on how documents must be named. While it is possible to “customize” the look of Windows and some versions of UNIX, it isn't as easy as it is on a Mac. Such customizations don't permit the same degree of arbitrary whimsy, and the user is still constrained by restrictions on naming files and moving files and directories.

While the release version of Mac OS X hasn't been seen as of this writing, the Mac OS X Public Beta is far closer to UNIX – and Linux and Windows – than to the traditional, laid back, apathetic Mac OS. One of the most common complaints about the Public Beta was its rigidity: applications are rigidly segregated into their own directory, documents into their own directory, and so on. While the user is free to make their own directories (folders), Mac OS X doesn't allow you to freely scatter them wherever you want. It also doesn't allow you to rename folders in an arbitrary fashion. Instead of agents of a user's sense of order (or disorder), folders are walled cities in Mac OS X. The walls “protect” the contents of one folder from other folders, but they also discourage tourism. Users complain that they “don't know where things are anymore.” What they really mean to say is “things aren't where I want them anymore.”

At MacWorld San Francisco in January 2001, Steve Jobs demonstrated a somewhat revised version of Mac OS X. The big news: you could now “litter” your desktop with Finder windows, making it look more like the traditional Mac OS. He promised that, before the scheduled March 24 release, more work would be done to make it look and act Mac-like, rather than Windows or UNIX-like. Yet, for all the changes, Mac OS X still seems very constrained, very disciplined, and very rigid.

The “technical elite” has praised Mac OS X for its power, robustness and security. Or at least the power, robustness and security they think the shipping version will offer. But to the Average Jane, “power, robustness, and security” are marketing terms for the walls within Mac OS X that remove much of the flexibility that allows her to be productively undisciplined.

This same “elite” has condemned the skeptics who



"But to the Average Jane, 'power, robustness, and security' are marketing terms for the walls within Mac OS X that remove much of the flexibility that allows her to be productively un-disciplined."

complain that Mac OS X is pretty, but it "just doesn't work like a Mac." The response seems to be "grow up; you'll get used to it." In fact, that seems to be a semi-official Apple response, too: grow up. Leave the chaotic mess of your desktop behind and join our nice, exclusive, walled and gated community of Mac OS X. Join now, while we're still building.

It is a remarkable marketing line: users asked for an improved, more spacious artist's loft. Apple delivered an office park with lots of tastefully colored cubicles, an elegant perimeter wall (with guard kiosks), and now, by fiat, declares the office park to be an artist's loft.

Have you ever noticed that the Washington Beltway acts as a castle moat around Washington, DC? The walled expressway may be a marvel of regional transportation efficiency, but it slashes through neighborhoods and communities, and makes local travel much harder. Both regionally and nationally, the world is divided between "inside the Beltway" and "outside the Beltway."

Will Mac OS X act as an expressway, cutting the Macintosh community in two? Will the freedom-loving anarchists of the traditional Mac OS world atrophy and slowly fade away? Will the technical elite thrive and grow inside the new, high-tech, ever so much more efficient walls of Mac OS X? Will Apple pull off a major miracle, and make a maze of office cubicles seem like a big, open artist's studio?

Will you be inside the Beltway, or out? ■

Crashing Macs

DEAR MAC EvangeList, I frequently hear Windows users complain that they have tried Mac, and didn't like it because the Mac "crashed all the time." A recent letter to Mac evangelist mentioned the same complaint; "My wife thinks it crashes or locks up more than her old Windows 98 system did, and she cursed it regularly."

I don't know how to counter this complaint, or even if I should. Is it possible that we Mac users do the same thing we accuse Windows users of doing? Do we just act as if nothing unusual happened, restart, and continue on?

I know every Mac I have owned, except the first two, crashes or freezes. I often joke about this with my Windows friends. But if it's sending potential Mac users to the dark side, then it's really no joke.

One Windows using friend, who complained that the one Mac in her office crashed "all the time" and was "impossible to figure out" admitted, after I insisted on seeing it, that it really hadn't crashed on her, she was just afraid of it. She is a very timid DOS user who has made an extremely difficult conversion to Windows (forced on her by a complete OS upgrade in her office) and is not about to learn an even weirder system like Mac. However, most of the people who have complained about crashing Macs have been experienced computer users who should not be "afraid" of Macs.

What do we say when Windows people say Macs crash all the time? Any ideas out there?

Jan Mowrey

<StarPsyche@aol.com>

[List Dad: Out of the hundreds of apps I use a month, I only have a repeated and easily reproducible crash caused by one scenario, running IE and Entourage/OE together. Loading a web page while checking email WILL cause a crash for me without fail if given enough attempts, usually 4 or 5 will suffice. Of course MS know full well about this problem, and depending on if you talk publicly or privately with people in the MS Mac group, they will confirm or vehemently deny there is any problem. Other than this, I never have any other crashes, period.]



Subject: [Followup] on Crashing Macs From: <StarPsyche@aol.com> Date: Fri, 22 Dec 2000 17:05:07 +1100

Dear Evangelistas,

Thank you all, for your invaluable help with my question regarding what to say to Windows users who complain that they have tried using Macs and Macs crash for them.

I received at least 36 responses and each one offered helpful and anecdotal advice. The respondents ranged from home based casual users to rocket scientists and everything in between and from many different countries. I have tried to answer personally each email but if I missed someone, it was unintentional. I divided the responses into two overall categories. Category one responded to my basic question of how to reply to Windows users who complain that Macs crash. Category 2 responded to Mac crashes in general.

CATEGORY 1. WHY DO WINDOWS USERS EXPERIENCE MAC CRASHES? I have divided this category into three basic groups based on the general answers provided.

Group 1A. Macs Crash More:

Two respondents reported that they have had fewer crashes on Windows — particularly NT or 2000 — than on Mac. One person said: "I think this is very true, and I'm glad to see someone raising this issue" at a company I worked at before, a Windows user hated using his Mac because it kept crashing on him. We were never able to figure out why." He went on to say, "I use Windoze NT. I hate Windows "but I must say it is more stable than any Mac." Another respondent wrote, "Without a doubt my Mac crashes more NT 4 was extremely stable Windows 2000 still seems as stable using a computer 8 - 15 hours a day should entitle me to an opinion." It should be noted that both respondents own and use Macs.

Group B. Computers Crash:

Two respondents provided perhaps the truest and most appropriate Windows user comment: "It's a computer. Computers crash!" One went on to add, "It's what a computer can do when it hasn't crashed that makes me a Mac user."

Group C. Service/Maintenance:

One respondent suggested helping them become comfortable with Mac. "confuse them with the facts." Two respondents suggested Windows users experience problems because they haven't used Macs that have

received the same level of service/maintenance as the PCs, usually in an office setting. One person expressed the "IT Problem" that most of us have heard about, "think of who are the people trying to do just that (convince management to choose Windows over Mac. Jan); mostly, they are the technical people whose job it is to fix computer related problems. What if there are no problems? No need, then, for the fixers; no jobs for them either." Another says, "Ask them (Windows users) about support/technical knowledge for the two systems usually when I have heard this complaint, it has been leveled by people who were either very technically proficient with Windows but knew nothing about Macs, or had their machines set up by experts who locked out all kinds of options so as to prevent crashes." This person points out that often a PC person who is used to a PC that has been expertly set up tries out an "off-the-shelf" demo Mac in a store or tries a heavily customized Mac that is in conflict with his own expertise. Another respondent wrote, "Most of the time, the person complaining is using a Mac that has had no technical support, upgrade or maintenance in several years. Meanwhile, of course, the PCs get regular maintenance and thus the impression is formed that they are more reliable."

CATEGORY 2. WHY DO MACS CRASH?

The second category of responses are related to general Mac crashes, their reasons and fixes. There was, as you might expect much overlap between the two major categories and considerable overlap between the eight subgroups. For the most part, I will just quote from the responses.

Group 2A. Education:

This respondent felt problems in both platforms are related to people failing to read documentation and to use the 'help' features. She or he included several anecdotes about providing support to people who could easily have solved their own problems by reading and using 'help' and added, emphatically, "In my tenure, Macs crash MUCH less than PCs if you've read the troubleshooting tips included with the Mac OS help system."

Group 2B. The User.

"I do occasionally get a crash if I try to jump around from one command in one app to another. That is called impatience and it's hard to blame on the system." He adds, that he once created a copy of a file, trashed the original, found that MS Word "lost track of it" asked

MacWorld New York City 2001 One-Day Bus Trip July 19, 2001



MacWorld New York will be held July 17-20, 2001. The Washington Apple Pi Bus Trip will be on Thursday, July 19th.

New and Improved: This year the bus will leave from two locations. Many members voiced a desire to have a Virginia as well as a Maryland pick up site, so we are arranging to have a bus leave from Micro Center in the Pan Am Plaza off Nutley Street in Vienna, VA as well as the Commuter Parking Lot in Rockville, MD. The price has not been established, but last year's trip was \$62.00 per member. To reserve a spot, send an E-mail, with a subject line of "MacWorld Bus Trip," to:

office@wap.org

Comments from last year:

"What was not promised was that I would learn as much from my seat mate on the bus and my table mate at dinner as I did at MacWorld..."

"The day was a long one but worth it...a real treat for Mac enthusiasts...Thanks again for a great trip."

"The MacWorld Expo is a wonderful experience and everyone could benefit from attending as it offers something for everyone at every level of experience."

"I deeply appreciate the thoughtful way this trip was planned. Even as one of 100 persons traveling, I felt my individuality was respected."

All I can say is, any of you that didn't go on the WAP Bus trip to MacWorld missed out on a wonderful opportunity! It was the best \$62.00 I've spent in along time."





Sherlock to locate and "fix" the alias, and "the system froze. Well, who's fault was that?"

Several other people cite "tweaking" or "tarting" the system with too many "bells and whistles." "The more software one loads on a Mac the more likely the crash. Mac people add a significant number of OS 'enhancements'; accelerators, screen modifications, scroll bars etc. At work, no one adds extras to your office PC - we are in a very strictly controlled environment. When a Windows machine goes down, the IT come and wipe out everything and reinstall from the ground up."

Group 2C. Choice of OS.

One respondent; "IMHO you need to find the best system for your machine then run something like Conflict Catcher." Another similar response said "or I install a stable older version of the OS (8.5 is my favorite)."

Group 2D. Microsoft Programs.

Several people cited Microsoft applications as a suspected cause of crashes. "I go literally months at a time without a crash. The secret to no crashes is no Microsoft software I receive Microsoft files daily and I simply convert them using MacLink. In short, if you want to get to work and stop waiting for reboots, boot Microsoft off your computer."

"I use Outlook Express but when I run it together with MS Internet Explorer it crashes so I think the only thing that causes crashes on a Mac are MS programs. Especially the extensions needed to run Office. With those extensions off, my Mac never crashes. So blame MS, not Mac."

"Microsoft Explorer, Outlook Express and even Office seem to be a major culprit."

Group 2E. AOL, the Internet, Browsers.

AOL and various Internet sites have long been chief causes of crashes for me. Several respondents felt the same. "99% of those crashes are due to internet programs, mostly IE. A crash is guaranteed when a page tries to give sound. Because this is often optimized for Windows my Performa is so stunned that it freezes."

"Most freezes occur while surfing the net. I think that is because the net is slow and I get impatient."

"The only thing that crashes my Macs repeatedly and for no apparent reason, is AOL. AOL. Consistently. Randomly **NOTHING** but AOL will crash my Macs."

Group 2F. Apple.

"Just food for thought, I do think that Apple in trying to make all these wonderful improvements have

"Another respondent wrote,

'Without a doubt my Mac crashes more NT 4 was extremely stable Windows 2000 still seems as stable using a computer 8 - 15 hours a day should entitle me to an opinion.'

It should be noted that both respondents own and use Macs."

also created a less stable platform. OS 7.6.1 does not have refinements but is more stable."

Group 2G. Hardware and Tools.

"If you have a USB mouse, get another one. A defective USB mouse can cause (crashes)."

"My iMac freezes frequently enough that I have a paperclip next to my computer." (Me too. Jan)

Group 2H. RAM.

"128 MB at least,"

"Too little RAM (Apple) should have added (another) 64 megs of RAM and raised the price a hundred bucks."

"Fragmented RAM is caused by opening a number of applications and then closing them in any other fashion than in reverse order"

"Anything running OS 9.X needs at least 128 MB of RAM."

"An application can exceed its limits without the OS reporting that it's out of memory, causing all subsequent applications to be unstable."

"I have a blue and white 400 MHz G3 with 256 megs of RAM. I open about 6 to 8 applications and keep them running it really makes me more productive than opening and quitting them one by one."

"That's a good amount of RAM (128 MB) unless you use PhotoShop. Then it's not even close to enough." (PhotoShop is my primary application and I have a meager 160 MB —Jan).

"I think a key to success is having enough RAM." "All I can say is I know why my Mac crashed. Creativity overload. All these applications running, scanner, printer, stereo, video equipment, you name it. Its easy



to forget the limits of memory and speed when your having fun." (I, too, run a lot of applications simultaneously, plus nine or ten peripherals. Jan).

Group 2I. Extensions.

"Two Words: Extensions Bad. If you need third party extensions, keep them to a minimum. Stay faaar away from Kaleidoscope, and RAM Doubler."

"When a Mac crashes it's 99% of the time an extension conflict. My 5500 started becoming very unreliable it was my Voodoo 3 drivers. I removed them and now it never crashes (well, very, very rarely)."

"Do a 'clean install' of the OS and then fine-tune it before loading apps then label all of the Extensions and Control Panels using the File->Label menu (from the Finder). You can also name each of the colors (and customize the colors) from the Finder's Edit -> Preferences menu. I use the color at that bottom, so that when I organize View by Label, the safe extensions are at the bottom and the suspects, which are unlabeled, appear at the top. Whenever you install an application, you can tell just which extensions it, in turn, has installed because they will be as of yet unlabeled. After you run the program through its tests and it passes, then its components can be labeled 'Invisible files' are a whole 'other matter', but suffice it to say that Sherlock can easily show you all hidden files"

"Some software installers put in the extensions folder, what we call here at Atlantis Kobetek, 'evil extensions' these extensions were necessary for operating systems older than System 8, but interfere with any later OS the 'evil extensions' are: DragLib, Macintosh Drag and Drop, ObjectSupportLib (this one is particularly insidious and prolific), AppleScript TM (leave the extension called 'AppleScript' in), Anything with the word 'thread'. (President Atlantis Kobetek Inc. Authorized Apple Canada Reseller and Service Provider).

"Another key is not to tart up the system with a lot of fancy extensions. I avoid anything that puts up an extra menu."

Group 2J. Slash-and-Burn Extension Management.

"Vaguely 'trimming down' extensions is unnecessary if all your system software and extensions are current. All the monkey motion that people go through shifting extensions around reduces a system's capabilities and doesn't really fix the problem of keeping current"

"Beware 'tweaking' the Mac OS (usually by removing items/services that are not used) with Extensions

"I can see where I have problems. I don't run Norton until AFTER... I forget about rebuilding the desktop... I've NEVER cleaned up my Extension Folder ... I run several greedy applications at once... I don't often upgrade my software and have never worried about how up-to-date my drivers and extensions are; I use AOL; I jump about constantly from program to program; I get impatient with the Internet ... Whew, have I ever been educated. I really don't expect to eliminate crashes completely, but I now think I can reduce them."

Manager or Conflict Catcher, etc., often causes mysterious instability. Use great caution in 'cleaning' your System Folder."

"There have been AT LEAST 3 weird problems in the last year that I've solved - after WAY TOO MUCH time on forums and Apple's tech database -by putting back things I had removed."

Group 2K. Bad Programs/Installers/Drivers.

"Beware of OLD extensions that not-so-smart installation programs dump into your System Folder. These are often difficult to identify, but if you check the dates and the item is several years older than everything else in your system, you should research it."

"One's time is much better spent making sure all software is completely and absolutely at its bug fixed versions."

"The last source of crashes seems to be incompatible or out-of-date drivers. A program that needs new drivers, an installer program does not remove old extensions properly."

"Sloppy 3rd party code, or out of date code, or a



fragmented hard drive is what usually causes an application to crash."

Group 2L. Maintenance

"Norton is good for finding individual corrupted files. I use Disk Warrior for everything else, and PlusOptimizer here and there. PlusOptimizer is not as full featured as SpeedDisk, but then again, its never hosed a drive either."

"Running Norton's AND TechTools occasionally also helps." "Get a copy of DiskWarrior from Alsoft and run it about once a month."

"Crashes are never a problem for me. However, we rebuild the desktop and run Norton Disk Doctor every two weeks."

I apologize for the length of this follow-up post, but it became clear to me that this is an important topic for Mac Users, and all the comments I received contained so much excellent information, that it was hard to cut. There were many letters I wish I could have included in full. I think a book could be written on this subject.

I can see where I have problems. I don't run Norton until AFTER I've begun to have problems; I forget about rebuilding the desktop; I use scads of peripherals, many of whom don't like one another; I've NEVER cleaned up my Extension Folder other than to turn off Extension; I run several greedy applications at once, including PhotoShop, with "only" 160 MB RAM, and with no thought as to how I open and close them; I use several Microsoft applications including Word, Internet Explorer, Windows (VPC), Works (Windows Version), and Publisher (Windows); I don't often upgrade my software and have never worried about how up-to-date my drivers and extensions are; I use AOL; I jump about constantly from program to program; I get impatient with the Internet and with slow applications; and I consider manuals and "help" features to be what one uses when all else fails. In addition, there are bells and whistles I can't live without, one of my favorites (and definitely glitchy) being "Speakable Items." Whew, have I ever been educated. I really don't expect to eliminate crashes completely, but I now think I can reduce them.

I hope this compilation provides insight and assistance to anyone else who wants to reduce crashes. And I hope it helps us respond to Windows users when they say "Macs crash." ■

—Jan Mowrey, Amateur Graphics Artist

We need your email address!!!

Send your email address to the office.

Either send it to Beth using the office@wap.org address or look for how to send it via the web page.

Email addresses are being collected so they can be used by the office to send out announcements of meetings, special events and special offers.

WAP items of interest

Pi Fillings CD—version 8 is now available.

Vote in the upcoming WAP election. Ballot in the May / June issue.

MacWorld NYC is coming again. Take the trip with WAP.

Volunteer to help with the June Computer Show and Sale. We need your assistance.

Write for the journal. Share your computer experiences to help other club members.

Remember the survey!!! Send us your thoughts.

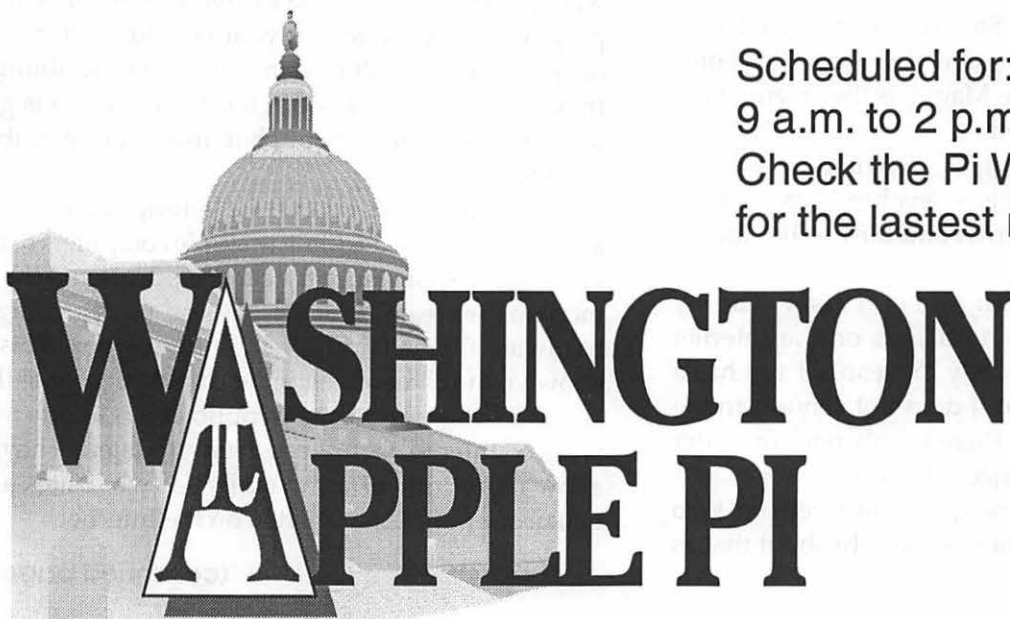
Washington Apple Pi Summer 2001 Computer Show and Sale

an elegant, relaxed daytime
gathering of old and new friends,
old and new hardware, old and new
software, all in the grand tradition
of the late 20th century.

Scheduled for: June 2, 2001

9 a.m. to 2 p.m.

Check the Pi Web site in May
for the latest news.





Double Click

Helping kids safely surf the Internet

by Derek Rowan & Dave Ottalini

QUESTION: I want to let my teen-age daughter go online to get familiar with the new age. Due to my work schedule, and as a test to observe her self-control, I need to let her go online sometimes when I am not around. I heard that there are some programs out there to take occasional snapshots of the screens and save it for me to review her online activities. Do you know anything about this kind of program? Thanks. - Chen

Dave: Chen, safety on the Internet is a growing concern for all parents. But like driving and other rites of passage for our youth, we have to give them a little rope mixed with a solid set of rules.

The first thing you need to do is sit down with your daughter and tell her what she can and cannot do - or where she can and cannot go - on the Internet. There are some excellent tools on the Internet to help with this - a single search with the Mac's Sherlock Search Engine came back with 91 hits.

Together, head over to Safeteens.com and click on "Teen Safety on the Information Highway." This brochure, written by Lawrence Magid, is the cream of the crop as far as I'm concerned.

A Lycos site for kids at <http://hotwired.lycos.com/webmonkey/kids/planning/safety.html> has a pretty good article about the Internet and how to be safe, as well.

Now, with that all taken care of, I'll say that my rules at home are that no child goes on the Internet without a parent with him. My 13-year-old son has a computer in his room - but it does not connect to the Internet. In fact, right now there is only one computer at home - the one in my office - that does.

I have not used any programs to filter out Web sites or create snapshots but I've thought about that as well.

One other possibility is America Online, which comes with kid filtering ("parental control") options built right in and might be an option for you. (Note that the company I work for is currently being purchased by AOL).

If it's more specific software you're looking for, "CyberPatrol" is one choice at www.surfcontrol.com. Yet another is "Net Nanny" at www.netnanny.com, which claims to provide detailed activity logs - something you said you were looking for, Chen. Both programs work on PCs, but only "CyberPatrol" has a Mac version. Mac users can also try "SurfWatch" at www.surfwatch.com.

And if \$50 is too much for you to pay for one of these kinds of programs, how about free? "We-Blocker" is a filtering program available for download at www.we-blocker.com. It appears, again, to be PC-specific.

A great place to go for software comparisons, Chen, is at www.safekids.com/filters.htm. The best part is that it includes a "features" section so you can zero in on exactly what you're looking for. It includes Internet service providers that also provide filtering.

Derek, you're a pretty new dad, so you haven't been faced with this problem yet - but have you given it any thought?

Derek: No, I haven't had to think of it yet for my 1-year-old daughter Samantha, but we've been quite busy at work thinking about it for our clients. The technology that exists for business is also good to think about for the home.

I would consider some hardware, rather than a software program, to help solve Chen's problem. Software programs are great for the younger kids, but the older ones probably won't have much trouble disabling it if they are computer-savvy. A hardware device is going to be a little more difficult, but also not impossible to disable, either.

More and more people are getting cable and DSL access at home, and adding multiple computers to these systems is a snap. Since the cable modems and the DSL modems are really network devices, you can plug in a hardware firewall and content filtering box. This will allow you to filter out an individual PC, or all of them.

These devices offer subscriptions, just like their software counterparts, to keep them updated. They also allow reporting - you can easily see what sites a particular user or PC has visited on the Internet.

(continued page 92)

Hotline

The hotline service is only for members of WAP. Please do not call after 9:00 pm or before 8:00 am.

Name	Telephone	Heading	Subjects
Apple General			
Bob Sherman	305-944-2111	Communications	DBMaster
Ron Evry	703-490-1534	Hypermedia	Hyperstudio
Bernie Benson	301-951-5294	Miscellaneous	Ile Card for the LC
Harvey Levin	301-299-9380	Programming	Apple Script
Eric Sheard	908-782-6492	Spreadsheets	Advanced Visicalc (eves) 908-782-6492 (days) -2242
Allan Griff	301-654-1515	Spreadsheets	Apple Works
Eric Sheard	908-782-6492	Spreadsheets	Visicalc (eves) 908-782-6492 (days) -2242
Ken DeVito	703-960-0786	Telecomm	
Apple //			
Bernie Benson	301-951-5294	Accounting	Apple SSC (Super Serial Card)
Neil Laubenthal	703-691-1360	Apple IIGS	General
Allan Griff	301-654-1515	Apple Works	General
Ken DeVito	703-960-0786	Apple Works	General
Paul Campbell	313-255-6497	Apple Works	General
Ray Settle	410-647-9192	Apple Works	General
Allan Griff	301-654-1515	AppleWorks	General
Ken DeVito	703-960-0786	Beagle Buddies	
W. T. Cook	410-995-0352	Beagle Buddies	
Don Avery	202-362-1783	Beagle Buddies	
Dale Smith	301-294-2287	Communications	
Allan Griff	301-654-1515	Database	Apple Works
Morgan Jopling	410-721-7874	Database	Apple Works
Milt Goldsamt	301-649-2768	Database	Apple Works
Guy Durant	202-575-0414	Epson Printers	
Ron Evry	703-490-1534	General	
Harold Polk	301-682-6399	General	
Ken DeVito	703-960-0786	General	
Guy Durant	202-575-0414	Hard Drives	
Guy Durant	202-575-0414	Hardware	
Ron Evry	703-490-1534	Hypermedia	Hyperstudio
Bob Sherman	305-944-2111	Laser Printing	
Ron Evry	703-490-1534	Word Processing	AppleWriter
Allan Griff	301-654-1515	Word Processing	
Apple // e			
Morgan Jopling	410-721-7874	Upgrade	
Apple // GS			
Rich Sanders	703-450-4371	Drawing/Graphics	Deluxe Paint II
Dick Grosbier	301-898-5461	General	
Eric Grupp	410-315-8331	General	
Seth Mize	410-766-1154	General	
Rich Sanders	703-450-4371	Word Processing	Multiscribe GS
Apple // GS			
Ken Carter	301-834-6516	General	
Apple ///			
Dave Ottalini	301-681-6136	General	
Paul Campbell	313-255-6497	General	
Seth Mize	410-766-1154	General	
Robert Sambolin	203-853-2512	General Repair	
Steve Truax	304-263-5749	Integ. Packages	3 Easy Pieces
Dave Jernigan	540-822-5137	Integ. Packages	3 Easy Pieces
Paul Campbell	313-255-6497	Repairs	
Dave Jernigan	540-822-5137		3.5" Super Drive
Dave Jernigan	540-822-5137		SCSI Drives
Steve Truax	304-263-5749		Stemspeller
Dave Jernigan	540-822-5137		Stemspeller (before 9 PM)
Carey McGleish	313-332-8836		Word Juggler (evenings)

Name	Telephone	Heading	Subjects
Cross Platform			
Ken DeVito	703-960-0786	Transfers	MS/DOS-Apple-Mac
IBM/Compatibles			
Etana Finkler	301-891-2821	Illustration	General Can call until midnight
Tom Cavanaugh	301-627-8889	Printers	General
Internet			
Dan White	301-843-3287	General	
Wait Francis	703-278-0041	General	
Will DeKrone	410-626-7716	General	
Curt Harpold	301-762-0887	Programming	JAVA
Craig Contardi	410-796-4562	World Wide Web	Netscape Navigator
Seth Mize	410-766-1154	World Wide Web	Sailor
Jaque Davison	703-644-7354	World Wide Web	Web Site Builder
Macintosh			
Nancy Seferian	202-333-0126	Art & Video	General
Robert Sambolin	203-853-2512		General
John Engberg	301-262-9347 or 301-604-8348		Basics
Tho. Snowberger	410-757-4856	Contact Managers	Now Contact/UTD
Mort Greene	703-522-8743	Database	File Maker Pro
Bill Waring	410-647-5605	Database	Filemaker Pro
Bob Wilbur	703-426-0556	Database	Filemaker Pro
Rick Shaddock	202-321-2110	Database	FoxPro
Harvey Levin	301-299-9380	Database	Helix
Bob Wilbur	703-426-0556	Database	Helix Express
Mort Greene	703-522-8743	Database	MS-File
Dick Nugent	703-425-1056	Database	FileMaker Pro
Elizabeth Mangan	703-750-2710	Database	Pro-Cite
Dave Weikert	301-963-0063	Databases	Panorama
Bob Wilbur	703-426-0556	Database	General
Blake Lange	301-942-9180	Desk Top Pub.	PageMaker
Mort Greene	703-522-8743	Desk Top Pub.	PageMaker
Eric Grupp	410-315-8331	Desk Top Pub.	Quark Xpress
Paul Schlosser	301-831-9166	Desk Top Pub.	Quark Xpress
Ron Johnson	410-315-8764	Drawing/Graphics	Adobe Illustrator 3.0
Nancy Seferian	202-333-0126	Drawing/Graphics	Aldus Freehand
Bob Wilbur	703-426-0556	Drawing/Graphics	Carvas
Lloyd Olson	410-544-1087	Drawing/Graphics	ClarisDraw
Etana Finkler	301-891-2821	Drawing/Graphics	Freehand Can call until midnight
Nancy Seferian	202-333-0126	Drawing/Graphics	General
Neil Laubenthal	703-691-1360	Drawing/Graphics	General
Etana Finkler	301-891-2821	Drawing/Graphics	General Can call until midnight
Bob Wilbur	703-426-0556	Drawing	General
Blake Lange	301-942-9180	Drawing/Graphics	Illustrator
Etana Finkler	301-891-2821	Drawing/Graphics	Illustrator Can call until midnight
Mort Greene	703-522-8743	Drawing/Graphics	Photoshop
Blake Lange	301-942-9180	Drawing/Graphics	Photoshop
Mort Greene	703-522-8743	Drawing/Graphics	SuperPaint 2.0
Dave Jernigan	540-822-5137	Foreign Languages	FlashWorks
Dave Jernigan	540-822-5137	Foreign Languages	Greek Tutor
Dave Jernigan	540-822-5137	Foreign Languages	Hebrew Tutor
Dave Jernigan	540-822-5137	General	

March 2001

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1 <i>Columbia Slice</i>	2 <i>Mouse Mousse Appleworks -Adv.</i>	3
4	5 <i>Scanner Intro Wrielt-Savelt-PrintIt</i>	6 <i>Clinic AppleWorks-Intro Mac-Digging Deeper 1</i>	7 <i>Wrielt-Savelt-PrintIt Netscape Com e-mail WAP BoD</i>	8 <i>Web Pages Fast&Easy Mac-Digging Deeper 2 Stock SIG</i>	9 <i>Mouse Mousse Web Page How To's</i>	10 <i>Annapolis Slice Graphics SIG</i>
11	12 <i>Picture Here Finder Basics</i>	13 <i>Clinic Brush Up Mac Skills-1 Ride the I-Net Wave</i>	14 <i>Finder Basics Digital Camera Intro</i>	15 <i>Brush Up Mac Skills-2 Dwnldng/Installing</i>	16	17 <i>Frederick Slice</i>
18	19 <i>Web Pages Fast&Easy Surfing 101</i>	20 <i>Clinic Mac-Digging Deeper 1 Netscape Com e-mail</i>	21 <i>Surfing 101 ImproveDigitalPhotos Excel SIG</i>	22 <i>Mac-Digging Deeper 2 Web Pages Fast&Easy</i>	23	24 <i>NoVa ComCol 8-11 WAP General Meeting</i>
25	26 <i>Netscape Com e-mail Simplify Your Computer Life</i>	27 <i>Clinic</i>	28 <i>Retired SIG Simplify Your Computer Life</i>	29	30	31

April 2001

WAP Office Phone: 301- 984-0300
 TCS 2400 bps: 301-984-4066;
 TCS 14400 bps: 301-984-4070

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2 <i>Wrielt-Savelt-PrintIt Scanner Intro</i>	3 <i>Clinic Brush Up Mac Skills-1 Ride the I-Net Wave</i>	4 <i>Digital Camera Intro Wrielt-Savelt-PrintIt WAP BoD</i>	5 <i>Dwnldng/Installing Brush Up Mac Skills-2 Columbia Slice</i>	6 <i>Mouse Mousse Make Mac Sing I</i>	7 <i>Annapolis Slice</i>
8	9 <i>Finder Basics Picture Here</i>	10 <i>Clinic Appleworks - Intro Mac-Digging Deeper 1</i>	11 <i>ImproveDigitalPhotos Finder Basics</i>	12 <i>Web Pages Fast&Easy Mac-Digging Deeper-2 Stock SIG</i>	13 <i>Mouse Mousse Make Mac Sing II</i>	14 <i>Graphics SIG</i>
15	16 <i>Office Closed</i>	17 <i>Clinic Brush Up Mac Skills-1 Internet Intro</i>	18 <i>iWant an iMovie Surfing 101 Excel SIG</i>	19 <i>Brush Up Mac Skills-2 Dwnldng/Installing</i>	20	21
22	23 <i>Surfing 101 Netscape E-Mail</i>	24 <i>Clinic</i>	25 <i>Retired SIG Simplify Your Computer Life</i>	26	27	28 <i>NoVa ComCol WAP General Meeting</i>
29	30 <i>Simplify Your Computer Life Netscape E-Mail</i>					

Unless otherwise noted, call the SIG chairs or Slice officers for meeting information. A list of the SIG and Slice chairs is on page 3 of every Journal. Calendar events in italics are tutorials, workshops or seminars.

Meeting Notices

Annapolis Slice

3rd Saturday; 9:30 AM; Severna Park Library on McKinsey Rd. (off Rt. 2), Severna Park, MD
Answering Machine: (410) 647-5605

AOL SIG, contact John Barnes at JDBarnes@aol.com or in the evening at 301 / 652-0667.

Apple III SIG

Quarterly on 2nd Saturday; 10:00 AM; WAP Office.

Columbia Slice

1st Thursday; 7:00 PM. Call for location
BBS (410) 964-3706

DataBases (Mac) SIG

Volunteers needed to restart this SIG

Delmarva Slice

At the campus of Salisbury State University, but will rotate throughout Delmarva area when appropriate. Email Shelly Wetzel form more information. <sawetzel@ssu.edu>

Excel SIG

3rd Wednesday; 7:30 PM; WAP office.

FileMaker Pro SIG

3rd Thursday; 7:30 PM; WAP office.

Frederick Slice

General meeting time, 2nd Saturday; 10:00 AM; United Methodist Church; 22 Main Street in Walkersville.

Game SIG

1st Thursday; 7:30 PM; Call for location.

Genealogy SIG

Not meeting in July or August. Volunteer needed.

Graphic Arts SIG

2nd Saturday of the month

Linux SIG

Contact Will Byrd or Gregory Kelley
(wbyrd@fred.net or grekell@earthlink.net)

Mac Programmers' SIG

Volunteers needed to restart this SIG

Newton Developers' SIG

Volunteer needed

NoVa Education (Ed) SIG

Call SIG chair for times & locations.

QuickTime SIG

2nd Tuesday of each month; 7:30 PM; WAP office.

Retired SIG

4th Wednesday of each month; 11 AM to 2 PM; each meeting will have a topic, but be run informally. WAP office.

Stock SIG

2nd Thursday; 7:30 PM; WAP Office. (Morris Pelham who chairs StockSIG is Sysop of the Investment/StockSIG board on the TCS. Contact him on that board.)

Telecomm SIG

Call SIG chair for times & locations.

WAP Garage Sale—June and December

WAP General Meeting

4th Saturday; 9:00 AM; Northern Virginia Community College, Annandale Campus, Community Cultural Center Auditorium.

Women's SIG

At the Pi Office at 6:00 PM dinner (\$2) followed by 7:00 PM meeting/presentation. Call SIG chair or office for next meeting.

Notice: Plans change! Anyone with calendar information please call the Calendar Editor, Bill Wydro (301) 299-5267 or Beth Medlin at the WAP Office (301) 984-0300.

Telecommunications Help Sheet

A quick reference sheet for use while on the TCS

TCS Phone Numbers:

—301-984-4066
(for 300, 1200, 2400 bps)
—301-984-4070
(for 9600, 14400, 28800 bps)

Main Menu

 Bulletin Boards
<C> Change Conferences
<E> E-Mail
<F> File Transfer
<L> General Library
<M> Membership Search
<N> Now On System
<O> Off the System
<P> Public Library
<T> Time and Date
<U> User Preferences
<W> Read Welcome Bulletin
<X> eXamine Weather
Forecast

File Transfer Menu

<A> Adjust Pointers
<G> Global Read New
Descs
<L> List All Available Areas
<N> New File Descriptions
<O> Off the System
<Q> Quit to Main Menu
<R> Read All New Descs
<Z> Zelect File Areas

File Area Menu

<A> Alphabetical List
 Batch Functions
<C> Change File Area
<D> Download a File
<F> Find File Descriptions
<H> Help With File Transfer
<I> Info on File Contents
<L> List All Files
<M> Mark Files for Down-
loading
<O> Off the System
<Q> Quit to Main Menu
<R> Read File Descriptions
<T> TitleScan Descriptions
<U> Upload a File or Files
<W> Welcome Bulletin

Editor Menu

<A> Add to File
<C> Clear File in Memory
<D> Delete a line from File
(#)
<E> Edit a Line (#)
<F> Find a String
<G> Global Search &
Replace
<I> Insert Lines into File (#)
<L> List the File (#)
<M> Toggle Reply Mode
<N> Line Numbering Mode
On/Off
<P> Purge Temporary File
<Q> Quit - Clear File & Exit
<R> Read back from Tempo-
rary File
<S> Save File and Exit
Editor
<T> Write File to Temporary
File
<U> Upload Mode Toggle
(No Reply Mode)
<V> View Temporary File
<X> Exchange a String
within line (#)
<"> Modify Reply Mode
Characters

Change Conference Menu

<1-8> ... Choose Conference
Number
<L> List Conferences
Available
<Q> Quit to Main Menu
<1> General Conference
<2> Apple II Conference
<3> Macintosh Conference
<4> Classified Conference
<5> Global General Confer-
ence
<6> Global Apple II Confer-
ence
<7> Global Macintosh
Conference
<8> Global Miscellany
Conference

Conference Menu

<A> Adjust Pointers

<C> Change Conference
<G> Global Read All New
Msgs
<L> List All Available
Boards
<O> Off the System
<Q> Quit to Main Menu
<R> Read All New Msgs
<W> Welcome Bulletin
<X> Xfer All New Msgs
<Z> Zelect Boards of Interest

Bulletin Board Menu

<A> Alter/Edit an Existing
Message
 Blind Reply to a Msg by
Number
<C> Change Boards
<D> Delete Msg From or To
You
<E> Enter a Message
<F> Find Message by
Keyword
<L> Library for this Board
<O> Off the System
<Q> Quit to Main Menu
<R> Read a Msg or Msgs
<S> Scan Message Headers
<T> TitleScan Msg Headers
<W> Welcome Bulletin for
Board
<X> Xfer (Download) a Msg
or Msgs

User Preferences

<A> Alter Password
<E> Emulation Mode
<F> File Transfer Protocol
<P> Prompt Character
<Q> Quit to Main Menu
<R> Reply Mode Prefix
<V> Video Length
<X> Expert/Novice Prompts
<Y> Your Current Status

Electronic Mail Menu

 Blind Reply to a Letter
<D> Delete Letters
<E> Enter a Letter
<F> Find Letters
<H> Help/Brief Tutorial
<I> Info on Letters
<K> Keep Letters
<L> List Letters
<O> Off the System
<Q> Quit to Main Menu
<R> Read Letters
<S> Scan Headers of Letters
<T> TitleScan Letters
<X> Xfer (Download) Letters

Please see page 50 for TCS Help Hotline phone numbers.

MacWorld New York City 2001 One-Day Bus Trip July 19, 2001



MacWorld New York will be held July 17-20, 2001. The Washington Apple Pi Bus Trip will be on Thursday, July 19th.

New and Improved: This year the bus will leave from two locations. Many members voiced a desire to have a Virginia as well as a Maryland pick up site, so we are arranging to have a bus leave from Micro Center in the Pan Am Plaza off Nutley Street in Vienna, VA as well as the Commuter Parking Lot in Rockville, MD. The price has not been established, but last year's trip was \$62.00 per member. To reserve a spot, send an E-mail, with a subject line of "MacWorld Bus Trip," to:
office@wap.org

Comments from last year:

"What was not promised was that I would learn as much from my seat mate on the bus and my table mate at dinner as I did at MacWorld..."

"The day was a long one but worth it...a real treat for Mac enthusiasts...Thanks again for a great trip."

"The MacWorld Expo is a wonderful experience and everyone could benefit from attending as it offers something for everyone at every level of experience."

"I deeply appreciate the thoughtful way this trip was planned. Even as one of 100 persons traveling, I felt my individuality was respected."

All I can say is, any of you that didn't go on the WAP Bus trip to MacWorld missed out on a wonderful opportunity! It was the best \$62.00 I've spent in along time."





Macintosh Tutorials

General Level Classes

Mouse Mousse - (Part 1 of 5 Part New User Set)

Your new pet needs care and training. This two hour class with one hour lab session will teach you how to tame the little beast! Tricks such as clicking, double clicking, pointing and dragging will be taught along with hints for care and feeding. If you own an iBook and would like to use that during the class, please bring it to class with you. This class may be retaken for free by members if further training is needed.

Prerequisite: None.

Number of Sessions: One (2 hours of class time and 1 hour of lab time)

Price: Standard Members: \$35.00, Associate Members: \$50.00, Non-Members: \$50.00

Instructor: Pat Fauquet

2/02/01 - 9:30 am - 11:30 am and Lab
from 11:30 am - 12:30 pm

2/09/01 - 9:30 am - 11:30 am and Lab
from 11:30 am - 12:30 pm

3/02/01 - 9:30 am - 11:30 am and Lab
from 11:30 am - 12:30 pm

3/09/01 - 9:30 am - 11:30 am and Lab
from 11:30 am - 12:30 pm

4/06/01 - 9:30 am - 11:30 am and Lab
from 11:30 am - 12:30 pm

4/13/01 - 9:30 am - 11:30 am and Lab
from 11:30 am - 12:30 pm

5/04/01 - 9:30 am - 11:30 am and Lab
from 11:30 am - 12:30 pm

5/11/01 - 9:30 am - 11:30 am and Lab
from 11:30 am - 12:30 pm

6/08/01 - 9:30 am - 11:30 am and Lab
from 11:30 am - 12:30 pm

Write It!- Save It! - Print It! - (Part 2 of 5 Part New User Set)

This introductory class will focus on using AppleWorks to write, print, and save your first computer documents. Write It! will include elementary text formatting skills. Save It! will help you learn to save

documents in a central location and then find them again. Print It! will help you set up your printer, preview your document, make choices about color, and paper quality.

Prerequisite: None.

Number of Sessions: One (2 hours of class time and 1 hour of lab time)

Price: Standard Members: \$35.00, Associate Members: \$50.00, Non-Members: \$50.00

Instructor: Pat Fauquet

3/5/01 - 1 pm - 3 pm and Lab from 3 pm - 4 pm

3/7/01 - 9:30 am - 11:30 am and Lab
from 11:30 am - 12:30 pm

4/2/01 - 9:30 am - 11:30 am and Lab
from 11:30 am - 12:30 pm

4/4/01 - 1 pm - 3 pm and Lab from 3 pm - 4 pm

5/7/00 - 1 pm - 3 pm and Lab from 3 pm - 4 pm

5/9/01 - 9:30 am - 11:30 am and Lab
from 11:30 am - 12:30 pm

6/4/01 - 9:30 am - 11:30 am and Lab
from 11:30 am - 12:30 pm

6/6/00 - 1 pm - 3 pm and Lab from 3 pm - 4 pm

Finding Your Way Around the Finder - (Part 3 of 5 Part New User Set)

Your computer desktop fills with windows and icons quickly! Learn the secrets of the Finder to deal with them!

Prerequisite: None.

Number of Sessions: One (2 hours of class time and 1 hour of lab time)

Price: Standard Members: \$35.00, Associate Members: \$50.00, Non-Members: \$50.00

Instructor: Pat Fauquet

3/12/01 - 1 pm - 3 pm and Lab from 3 pm - 4 pm

3/14/01 - 9:30 am - 11:30 am and Lab
from 11:30 am - 12:30 pm

4/9/01 - 9:30 am - 11:30 am and Lab
from 11:30 am - 12:30 pm

4/11/01 - 1 pm - 3 pm and Lab from 3 pm - 4 pm

5/14/00 - 1 pm - 3 pm and Lab from 3 pm - 4 pm

5/16/01 - 9:30 am - 11:30 am and Lab
from 11:30 am - 12:30 pm

6/11/01 - 9:30 am - 11:30 am and Lab
from 11:30 am - 12:30 pm

6/13/00 - 1 pm - 3 pm and Lab from 3 pm - 4 pm

Surfing 101 - (Part 4 of 5 Part New User Set)

Learn how to catch your first Internet wave! This



class will give an introduction to the browser window, show you some great Internet sites, teach you how to make bookmarks to find your way back and send your first email messages.

Prerequisite: None.

Number of Sessions: One (2 hours of class time and 1 hour of lab time)

Price: Standard Members: \$35.00, Associate Members: \$50.00, Non-Members: \$50.00

Instructor: Pat Fauquet

3/19/01 - 1 pm - 3 pm and Lab from 3 pm - 4 pm

3/21/01 - 9:30 am - 11:30 am and Lab

from 11:30 am - 12:30 pm

4/18/01 - 1 pm - 3 pm and Lab from 3 pm - 4 pm

4/23/01 - 9:30 am - 11:30 am and Lab

from 11:30 am - 12:30 pm

5/21/00 - 1 pm - 3 pm and Lab from 3 pm - 4 pm

5/23/01 - 1 pm - 3 pm and Lab from 3 pm - 4 pm

6/18/01 - 9:30 am - 11:30 am and Lab

from 11:30 am - 12:30 pm

6/20/00 - 1 pm - 3 pm and Lab from 3 pm - 4 pm

Simplify Your Computer Life - (Part 5 of 5 Part New User Set)

Are you tired of having to open so many folders to get to AppleWorks or the Internet? Do you save things only to lose them? Can you throw something away when the trash can is covered? This class will teach you how to make your computer easier to use!

Prerequisite: None.

Number of Sessions: One (2 hours of class time and 1 hour of lab time)

Price: Standard Members: \$35.00, Associate Members: \$50.00, Non-Members: \$50.00

Instructor: Pat Fauquet, Jim Ritz

3/26/01 - 1 pm - 3 pm and Lab from 3 pm - 4 pm

3/28/01 - 1 pm - 3 pm and Lab from 3 pm - 4 pm

4/25/01 - 1 pm - 3 pm and Lab from 3 pm - 4 pm

4/30/01 - 9:30 am - 11:30 am and Lab

from 11:30 am - 12:30 pm

5/30/01 - 9:30 am - 11:30 am and Lab

from 11:30 am - 12:30 pm

6/25/01 - 9:30 am - 11:30 am and Lab

from 11:30 am - 12:30 pm

6/27/00 - 1 pm - 3 pm and Lab from 3 pm - 4 pm

Brush Up Your Mac Skills

This class is meant for the new user as well as the user who has just upgraded to a new computer and

wants to learn more about the basic operation of the Macintosh. This class is also recommended for Macintosh owners who are new to Mac OS 8.0 and above or those who have never really learned all the things that the Mac OS has to offer to the computer user. In addition to start up, sleep and shutdown procedures, the student will learn how a computer works and common Macintosh terminology. The Finder and its basic operation will be fully covered. This discussion will include the menu bar, Apple menu and the Application Switcher. Students will learn how to access and use the built-in help application on the Macintosh. Error messages, dialog boxes, icons, folders, and view options will be discussed. You will learn the basics of word processing and text formatting. Copying, cutting, pasting, dragging and dropping will also be covered. Basic system and mouse maintenance will be included. The fundamentals of searching for files will also be covered.

Prerequisite: None.

Number of Sessions: Two.

Price: Standard Members: \$70.00, Associate Members: \$100.00, Non-Members: \$100.00

Instructor: Jim Ritz

3/13/01 and 3/15/01 - 9:30 am - 12:30 pm each day

4/3/01 and 4/5/01 - 1 pm - 4 pm each day

4/17/01 and 4/19/01 - 9:30 am - 12:30 pm each day

5/8/01 and 5/10/01 - 1 pm - 4 pm each day

5/22/01 and 5/24/01 - 9:30 am - 12:30 pm each day

6/12/01 and 6/14/01 - 1 pm - 4 pm each day

Ride the Internet Wave

This three hour class, intended for users of all Internet browsers, will introduce you to the World Wide Web. Learn what the various buttons on the browser window do. Learn to customize the browser window to meet your visual needs. Learn how an Internet address works and how to deal with error messages that appear. You will learn how to use Sherlock, search engines, directories and metasearch sites to find the information you seek. Learn how to capture pictures and text from the Internet and how to print web pages. This class is appropriate for all users of the Internet including America Online customers. It is suggested that all participants enroll in one of the e-mail courses to complete their introduction to the Internet.

Prerequisite: 5 Part New User Set or Brush Up Your Mac Skills.



Number of Sessions: One

Price: Standard Members: \$35.00, Associate Members: \$50.00, Non-Members: \$50.00

Instructor: Jim Ritz

- 3/13/01 - 1 pm - 4 pm
- 4/03/01 - 9:30 am - 12:30 pm
- 4/17/01 - 1 pm - 4 pm
- 5/8/01 - 9:30 am - 12:30 pm
- 5/22/01 - 1 pm - 4 pm
- 6/12/01 - 9:30 am - 12:30 pm

Introduction to AppleWorks

This class will introduce the student to the integrated software package known as AppleWorks. The course will begin with an introduction to the fundamentals of the AppleWorks environment: the window layout, the help menu, and the universal commands. Each of the six modules (Text, Draw, Paint, Spreadsheet, Database, and Communications) will be treated separately but the emphasis will be on text and draw documents. The course will conclude with an examination of some basic integrated applications.

Prerequisite: 5 Part New User Set or Brush Up Your Mac Skills.

Number of Sessions: One

Price: Standard Members: \$35.00, Associate Members: \$50.00, Non-Members: \$50.00.

Instructor: Pat Fauquet and Jim Ritz

- 3/06/01 - 9:30 am - 12:30 pm
- 4/10/01 - 9:30 am - 12:30 pm
- 5/17/01 - 9:30 am - 12:30 pm
- 6/13/01 - 9:30 am - 12:30 pm
- 6/19/01 - 9:30 am - 12:30 pm

Web Pages Fast and Easy

Want a web page, but don't want to have to buy new software, learn HTML, learn about FTP, and find a page host? Let Apple do it for you! In this three hour class you can make a web page and publish it on the web! Use that page to show off family pictures or items you want to sell on eBay, post a family newsletter, put your resume online for all to see, post an invitation to a party or even make a place to share files with other people. This class works best for people using Mac OS 9, but instructions will be given that will allow users of Mac OS 8 to also use the iDisk. Bring a few photos to scan and leave with your pages on the Web!

Prerequisite: 5 Part New User Set or Brush Up Your Mac Skills

Number of Sessions: One

Price: Standard Members: \$35.00, Associate Members: \$50.00, Non-Members: \$50.00.

Instructor: Pat Fauquet

- 3/8/01 - 9:30 am - 12:30 pm
- 3/19/01 - 9:30 am - 12:30 pm
- 4/12/01 - 9:30 am - 12:30 pm
- 5/3/01- 1 pm - 4 pm
- 5/15/01 - 9:30 am - 12:30 pm
- 6/5/01- 1 pm - 4 pm
- 6/21/01 - 9:30 am - 12:30 pm

Introduction to Digital Video Cameras—Finding the Right Camcorder

When you shop for a camcorder, the choices among features can seem overwhelming. This class will help you choose the right camera for your needs. Features such as automated controls, media format, image stabilization, low light shooting, batteries and accessories will be discussed. We will also discuss places to shop and how to get good prices on cameras, batteries and accessories.

Prerequisite: 5 Part New User Set or Brush Up Your Mac Skills

Number of Sessions: One

Price: Standard Members: \$50.00, Associate Members: \$75.00, Non-Members: \$75.00.

Instructor: Pat Fauquet

Call office to get onto the list

Medium Level Classes

The Mac—Digging a Little Deeper

The Mac—Digging a Little Deeper will follow up on the concepts taught in Brush Up Your Mac Skills. You will learn more advanced Macintosh skills and terminology including contextual menus and advanced Finder options, the custom installation of software and updating software applications. Students will learn about memory error messages and how to deal with them. Hard drive organization, archiving and backup strategies will be discussed. An introduction to managing system extensions and control panels will be covered along with virus protection, system enhancements and Macintosh "housekeeping" philosophies. Students will learn how to use Disk First Aid, how to deal with system crashes and what causes



them. They will also learn to use Sherlock to find files on the computer, to find text phrases in saved data, and to find items on the Internet.

Prerequisite: 5 Part New User Set or Brush Up Your Mac Skills

Number of Sessions: Two

Price: Standard Members: \$100.00, Associate Members: \$150.00, Non-Members: \$150.00

Instructor: Jim Ritz

3/06/01 and 3/08/01 - 1 pm - 4 pm each day

3/20/01 and 3/22/01 - 9:30 am - 12:30 pm each day

4/10/01 and 4/12/01 - 1 pm - 4 pm each day

5/01/01 and 5/03/01 - 9:30 am - 12:30 pm each day

5/15/01 and 5/17/01 - 1 pm - 4 pm each day

6/05/01 and 6/07/01 - 9:30 am - 12:30 pm each day

6/19/01 and 6/21/01 - 1 pm - 4 pm each day

Making your Mac Sing

Making your Mac Sing will follow up on the concepts taught in The Mac—Digging a Little Deeper. In this hands-on class students will learn how to back up the essential data and settings files, then how to install, update and upgrade system software. They will learn the difference between clean and dirty system installations and when to use them. They will learn how to remove installed software, manage system conflicts, and troubleshoot crashes. Software such as Norton Utilities, Tech Tool Pro, Conflict Catcher, Spring Cleaning, and Disk Warrior will be demonstrated and used to fix computer problems. Hard drive initialization, partitioning, defragmentation and optimization will be discussed and demonstrated. Students are encouraged to bring their Macs to use in class to actually troubleshoot and update their own computers. iMac owners should bring their computer, keyboard and mouse. All others should bring only their CPU and modem. If students own Zip drives or Super Drives they should also bring those to back up important data.

Prerequisite: The Mac—Digging a Little Deeper

Number of Sessions: Two

Price: Standard Members: \$100.00 Associate Members: \$150.00, Non-Members: \$150.00

Instructor: Pat Fauquet and Jim Ritz

4/6/01 and 4/13/01 - 1 pm - 4 pm each day

iVisit iMac

Take a working tour of the software included on the iMac.

This two part, six hour class will introduce the various pieces of software included with the iMac. Students will learn how use the assistants and templates included with AppleWorks to perform tasks such as writing a letter, making a computer address book, flyer or certificate, and printing an envelope. They will learn how to send and receive a fax from their iMac and begin using Quicken to balance their checkbook. They will learn how to make a favorites list in Internet Explorer, use the address book and send a file to someone using Outlook Express. They will also learn how to install and look up items in the World Book Encyclopedia, and to make a personalized start page on their computer. Strategies to win with Nanosaur and protect children with the EdView Internet Safety kit will also be shown. This class now includes the new Kid Pix Deluxe, a children's graphics and animation program.

Prerequisite: 5 Part New User Set or Brush Up Your Mac Skills

Number of Sessions: Two

Price: Standard Members: \$100.00, Associate Members: \$150.00, Non-Members: \$150.00

Instructor: Pat Fauquet and Jim Ritz
Call Office to get on list

Networks and Networking - What does it all mean?

AirPorts, Ethernet, Router, Hub, Server, Appletalk, LAN, WAN, etc. Do you want to have a better understanding of just what all of this means and how it works? If you do then this class is for you. This class will be a discussion of all these different topics as well as just how to create a network. Come learn the possibilities offered by the Macintosh platform to share not only printers, but also files, applications and even modems between two or more computers. Learn about the built in networking software in every Macintosh and various hardware and software options available to do even more. This class will cover AppleTalk and PhoneNet connectors, - switch boxes, serial port expanders, USB ports and hubs, ethernet, cards and transceivers. Hubs, routers and servers will also be discussed. Learn how to install network cabling without tearing down all the walls and learn how to determine what kind of cable to buy and how to put the connectors on the cables.

Prerequisite: 5 Part New User Set or Brush Up Your Mac Skills

Number of Sessions: One



Price: Standard Members: \$50.00, Associate Members: \$75.00, Non-Members: \$75.00.

Instructor: Pat Fauquet
Call Office to get on list

E-mail with Netscape Communicator

This class will deal specifically with the e-mail capabilities of Netscape Communicator. Students will learn how to send, receive, reply to and forward email. They will learn how to save mail into folders, how to use and manage the address books and how to send mail to groups of people. They will learn how to attach files to e-mail messages and how to deal with the attached files that they receive. Students will also learn where their email and address books are stored and how to back them up.

Prerequisite: 5 Part New User Set or Brush Up Your Mac Skills.

Number of Sessions: One

Price: Standard Members: \$50.00, Associate Members: \$75.00, Non-Members: \$75.00

Instructor: Pat Fauquet, Jim Ritz

3/7/01 - 1 pm - 4 pm

3/20/01 - 1 pm - 4 pm

4/23/01 - 1 pm - 4 pm

5/1/01 - 1 pm - 4 pm

6/7/01 - 1 pm - 4 pm

E-mail with Microsoft Outlook Express

This class will deal specifically with Microsoft's Outlook Express e-mail application. Students will learn how to send, receive, reply to and forward email. They will learn how to save mail into folders, how to use and manage the address books and how to send mail to groups of people. They will learn how to attach files to e-mail messages and how to deal with the attached files that they receive. Students will also learn where their email and address books are stored and how to back them up.

Prerequisite: 5 Part New User Set or Brush Up Your Mac Skills.

Number of Sessions: One

Price: Standard Members: \$50.00, Associate Members: \$75.00, Non-Members: \$75.00

Instructor: Pat Fauquet

Call Office to get on list

E-mail with America Online

This class will deal specifically with the e-mail ca-

Some Specifics

Who Standard members are those who have paid the standard membership dues and includes all family members living within the household of a standard member. Associate members are those who have only paid the associate membership dues.

What The tutorial program of Washington Apple Pi is hands-on training for our members in the use of Macintosh computers. The tutorial room is furnished with computers so that each student has the use of a computer during class.

When Classes are held each month at different times. Since the listing of classes in this Journal was done months in advance please check the web site at <http://www.wap.org/classes/> for any changes or updates to the class calendar.

Where Unless otherwise stated, all tutorials sponsored by Washington Apple Pi are given at the office located at 12022 Parklawn Drive in Rockville, Maryland. A map to the office may be found on the web site at <http://www.wap.org/info/about/officemap.html>.

How To register for a class please call the Office during normal business hours. If you would like to inquire about a class and the office is not open, please send email with the classes you wish to know about along with a daytime phone number were the office may reach you to the email address of office@wap.org. The office will get back to you either by email or by telephone.

Fees Class fees vary due to the level of the class. Please see the specific class description for the fee for that class. Pre-registration and Pre-Payment must be made to hold a seat.

Class Size Class size is limited to 6 students per class.

Instructor Cancellation If a class is canceled by the instructor, all students will be notified of the cancellation. Please check your home answering machine if you have not given a work number for notification.

Student Cancellation A student cancellation must be received 72 hours prior to the scheduled class time. Student Cancellations may only be made via telephone during Washington Apple Pi's business hours or via email to the email address of office@wap.org. The office does not have an answering machine - only an announcement machine.



pabilities of America Online. Students will learn how to send, receive, reply to and forward email. They will learn how to save mail into folders, how to use and manage the address books and how to send mail to groups of people. They will learn how to attach files to e-mail messages and how to deal with the attached files that they receive. Students will also learn where their email and address books are stored and how to back them up.

Prerequisite: 5 Part New User Set or Brush Up Your Mac Skills.

Number of Sessions: One

Price: Standard Members: \$50.00, Associate Members: \$75.00, Non-Members: \$75.00

Instructor: Pat Fauquet

Call Office to get on list

Downloading , Installing and Using Files and Software From the Internet and from CD-Rom's.

Learn how to find files and software on the Internet. Learn how download them, how to install and use them. Learn about Macintosh viruses, and how to combat them. This one session class is intended for students who have completed Ride the Internet Wave and an e-mail class and who want to learn more about the various software resources that are available on the Internet. These will include software, fonts, Sherlock and contextual menu plug-ins, Applescripts, and system resources.

Prerequisite: 5 Part New User Set or Brush Up Your Mac Skills.

Number of Sessions: One

Price: Standard Members: \$50.00, Associate Members: \$75.00, Non-Members: \$75.00

Instructor: Pat Fauquet, Jim Ritz

3/15/01 - 1 pm - 4 pm

4/05/01 - 9:30 am - 12:30 pm

4/19/01 - 1 pm - 4 pm

5/10/01 - 9:30 am - 12:30 pm

5/24/01 - 1 pm - 4 pm

6/14/01 - 9:30 am - 12:30 pm

We Need a Picture Here

Calling all people who don't want to be graphic professionals, but who would like to be able to put Photos, Clip Art, Draw, Paint, Vector, and Bitmap into an email, flyer or newsletter. In this three hour class students will be introduced the secrets of drawing and paint programs for the computer. They will learn how

to use graphics from computer programs, clip art CDs and the Web to enhance their documents. They will learn how to re-size and re-color graphics that are "just about right" to make them "just right." Elementary retouching of photos will also be covered.

Prerequisite: 5 Part New User Set or Brush Up Your Mac Skills.

Number of Sessions: One

Price: Standard Members: \$50.00, Associate Members: \$75.00, Non-Members: \$75.00

Instructor: Pat Fauquet

3/12/01 - 9:30 am - 12:30 pm

4/9/01- 1 pm - 4 pm

5/16/01- 1 pm - 4 pm

6/18/01- 1 pm - 4 pm

AppleWorks and Newsletters

Learn how to use the newsletter assistant in AppleWorks to easily produce newsletters for a variety of audiences. In this class participants will produce a basic newsletter, then learn how to use the Mac OS stationery pad function to speed the production of future newsletters. Basics of graphic design, layout, typography, writing style and suggestions for economical reproduction will also be covered. This class is not an introduction to AppleWorks.

Prerequisite: 5 Part New User Set or Brush Up Your Mac Skills. In addition Introduction to AppleWorks class or a good working knowledge of another word processing application is suggested before attending this class.

Number of Sessions: One

Price: Standard Members: \$50.00, Associate Members: \$75.00, Non-Members: \$75.00.

Instructor: Pat Fauquet

Call Office to get on list

AppleWorks Advanced

In this class we will take AppleWorks to a new level! Learn how to make easy outlines, lists, and check-off charts. Make great slide shows and presentations right in AppleWorks. Learn how to dress up charts and graphs, how to make specialized dictionaries, and how to have AppleWorks read to you! Learn the secrets of stationary files, how to make your own AppleWorks libraries store not only pictures, but also frequently used text strings. Learn how to write personalized form letters and how to do special layouts for newsletters. Many of the projects included will be



using the capabilities of AppleWorks. Students will receive templates, stationary files and handouts to take home. If you have any feature of the program that you would like covered in particular, please mention it when you sign up.

Prerequisite: 5 Part New User Set or Brush Up Your Mac Skills and Introduction to AppleWorks or a good knowledge of the basics of AppleWorks.

Number of Sessions: One

Price: Standard Members: \$50.00, Associate Members: \$75.00, Non-Members: \$75.00.

Instructor: Pat Fauquet

3/2/01- 1 pm - 4 pm

5/11/01- 1 pm - 4 pm

Introduction to FileMaker Pro

This course covers what a database is, database terms, how to plan a database, and create database fields and layouts. Searching, sorting, printing and editing information in a database will also be covered.

Prerequisite: 5 Part New User Set or Brush Up Your Mac Skills

Number of Sessions: One

Price: Standard Members: \$50.00, Associate Members: \$75.00, Non-Members: \$75.00.

Instructor: Pat Fauquet, Jim Ritz

Call Office to get on list

Introduction to Spreadsheets

This class will introduce basic spreadsheet concepts. Students will learn how to set up a spreadsheet, how to enter and edit numbers and words, how to enter basic formulas and make basic charts and graphs. They will learn how to sort data and how to print the whole spread sheet or only a portion of it. Students will use either the spreadsheet module of AppleWorks (ClarisWorks) or Excel. This class is not meant for persons who are intermediate or advanced users.

Prerequisite: 5 Part New User Set or Brush Up Your Mac Skills

Number of Sessions: One

Price: Standard Members: \$50.00, Associate Members: \$75.00, Non-Members: \$75.00.

Instructor: Jim Ritz

Call Office to get on list

FileMaker Pro Clinic

This class is for those who have some experience with FileMaker Pro and are interested in asking ques-

tions and having specific problems discussed. The class will be a questions and answer format. You should bring along on floppy/zip a sample of things you would like help.

Prerequisite: 5 Part New User Set or Brush Up Your Mac Skills.

Number of Sessions: One

Price: Standard Members: \$50.00, Associate Members: \$75.00, Non-Members: \$75.00

Instructor: Pat Fauquet

Call Office to get on list

Introduction to Scanners

Bring your scanner, the software, manual and some photos to class and learn all about scanning. Learn to install the software and update it. Learn how to scan into programs like Adobe PhotoDeluxe, PhotoShop and Graphic Converter. Learn about the scanner controls such as resolution, brightness, contrast, sharpness and how to use them. Learn how to prepare a photo file to attach it to an e-mail message. Learn the secrets of OCR and when to use it. If you do not own a scanner, but are in the market for one, use one of the classroom scanners and get tips on which scanner will meet your needs.

Prerequisite: 5 Part New User Set or Brush Up Your Mac Skills.

Number of Sessions: One

Price: Standard Members: \$50.00, Associate Members: \$75.00, Non-Members: \$75.00

Instructor: Pat Fauquet

3/5/01 - 9:30 am - 12:30 pm

4/2/01 - 1 pm - 4 pm

5/9/01 - 1 pm - 4 pm

6/4/01 - 1 pm - 4 pm

Introduction to Digital Cameras

Bring your digital camera and accessories to class and learn how to use it. Learn about media types, batteries, card readers, flash units, accessory filters and lenses and how to use them. Learn shooting and editing tips, how to print photos, how to attach them to e-mail, and how to put them on web pages. If you do not have a digital camera, come anyway and learn how to choose one. A variety of digital cameras will be available for student use during class.

Prerequisite: 5 Part New User Set or Brush Up Your Mac Skills.

Number of Sessions: One



Price: Standard Members: \$50.00, Associate Members: \$75.00, Non-Members: \$75.00

Instructor: Pat Fauquet

3/14/01 - 1 pm - 4 pm
4/4/01 - 9:30 am - 12:30 pm
5/7/01 - 9:30 am - 12:30 pm
6/6/01 - 9:30 am - 12:30 pm

Improving Digital Photos and Scans

Now that you have scanned that photo, taken a picture with a digital camera, or had photo disks made, learn how to improve your photos using inexpensive programs like Adobe PhotoDeluxe and GraphicConverter. Learn to lighten, darken, crop, and combine pictures to make them ready for printing, emailing and putting them in web pages.

Prerequisite: 5 Part New User Set or Brush Up Your Mac Skills.

Number of Sessions: One

Price: Standard Members: \$50.00, Associate Members: \$75.00, Non-Members: \$75.00

Instructor: Pat Fauquet

3/21/01 - 1 pm - 4 pm
4/11/01 - 9:30 am - 12:30 pm
5/14/01 - 9:30 am - 12:30 pm
6/11/01 - 1 pm - 4 pm

Web Pages-The How To Dos

When your web page grows to more than two pages, its time to get organized!

Learn how web pages differ from printed documents, what you can and can't control in web page design. Learn how to organize your files to make it easier to update your pages. Learn how to register a domain, upload pages to a web server and how to get people to visit your site. Learn about graphic types and when to use them. This class replaces Web Page Workshop and is the prerequisite for all other web page classes at Washington Apple Pi.

Prerequisite: 5 Part New User Set or Brush Up Your Mac Skills

Number of Sessions: One

Price: Standard Members: \$50.00, Associate Members: \$75.00, Non-Members: \$75.00.

Instructor: Pat Fauquet

3/9/01 - 1 pm - 4 pm
5/4/01 - 1 pm - 4 pm

Making Web Pages with Adobe PageMill or Claris HomePage

Learn how to make web pages, format the text, add pictures and link pages together. Learn about tables and how to and use them. Learn about the site management features of these programs and how to upload your pages to the web server.

Prerequisite: 5 Part New User Set or Brush Up Your Mac Skills along with Web Pages-The How To Dos or the permission of the instructor.

Number of Sessions: Two

Price: Standard Members: \$100.00, Associate Members: \$150.00, Non-Members: \$150.00.

Instructor: Pat Fauquet

Call Office to get on list

Jazz Up Your Web page

In this all-day workshop students will learn how to make and prepare backgrounds, headlines, clip art, buttons, rules, dividers and animations for web pages. They will also learn how to construct graphic sets. Students will learn about the GIF, JPEG and PNG formats and when to use them. If you want to use these projects in an actual web page, please sign up for a web page class in addition to this class.

Prerequisite: 5 Part New User Set or Brush Up Your Mac Skills along with Web Pages-The How To Dos or the permission of the instructor.

Number of Sessions: Two

Price: Standard Members: \$100.00, Associate Members: \$150.00, Non-Members: \$150.00.

Instructor: Pat Fauquet

Call Office to get on List

iWant to make an iMovie!

Bring your digital video camera with some footage in it and learn how to make iMovies. Learn shooting tips, how to use the software, and what to do with completed movies. This is an introductory class and is intended for new users to the program. If you do not have a camera yet, come anyway and learn the basics on some stock footage. Three hours.

Prerequisite: 5 Part New User Set or Brush Up Your Mac Skills

Number of Sessions: One

Price: Standard Members: \$50.00, Associate Members: \$75.00, Non-Members: \$75.00.

Instructor: Pat Fauquet

4/18/01 - 9:30 am - 12:30 pm
5/21/01 - 9:30 am - 12:30 pm



6/20/01 - 9:30 am - 12:30 pm

I've made an iMovie—Now What?

Bring your digital camera with a video you have begun to edit. Learn more about transitions, titling, adding audio tracks and saving your masterpieces. Learn what codecs to use, how to save to QuickTime formats for the web and how to burn your masterpieces to CD.

Prerequisite: 5 Part New User Set or Brush Up Your Mac Skills

Number of Sessions: Two

Price: Standard Members: \$100.00, Associate Members: \$150.00, Non-Members: \$150.00.

Instructor: Pat Fauquet
Call Office to get on list

Microsoft Word for Office 2001

Looking for Instructors

Excel for Microsoft Office 2001

Looking for Instructors

Higher level Classes

Coming soon—Adobe LiveMotion also DreamWeaver.

Adobe GoLive 1: Introduction

This class will cover the first three lessons in the Adobe GoLive Classroom in a Book. Students will learn to start a page, add and format text and pictures, use tables, and link pages together. They will learn about dynamic components, templates, and image maps. They will also learn elementary site management.

Prerequisite: Web Pages-The How To Dos OR Making Web Pages with Adobe PageMill or Claris HomePage OR the permission of the instructor.

Number of Sessions: Two.

Price: Standard Members: \$150.00, Associate Members: \$250.00, Non-Members: \$250.00

Book Price: \$10.00 to be paid with class registration.

Instructor: Pat Fauquet
Call Office to get on list

Adobe GoLive 2:, Frames, Animation and Site Management

This class will cover lessons four, five and eight in the Adobe GoLive Classroom in a Book. Students will learn how to build a web page using frames. They will learn how to use rollovers and floating boxes to add interest to their web pages. They will also learn how to use

the site management tools in Adobe GoLive to convert old site and update sites easily.

Prerequisite: Adobe GoLive 1: An Introduction OR the permission of the instructor.

Number of Sessions: Two.

Price: Standard Members: \$150.00, Associate Members: \$250.00, Non-Members: \$250.00

Book Price: same book as for Adobe Go Live 1.

Instructor: Pat Fauquet
Call Office to get on list

Adobe GoLive 3: Editing QuickTime Content

Adobe GoLive has a great QuickTime editor built into the program. This class will cover its use in making and editing QuickTime movies. Instruction will also be given for how to add QuickTime VR scenes, panoramas, and objects to web pages

Prerequisite: Adobe GoLive 1: Introduction OR the permission of the instructor.

Number of Sessions: Two.

Price: Standard Members: \$150.00, Associate Members: \$250.00, Non-Members: \$250.00

Book Price: same book as for Adobe Go Live 1.

Instructor: Pat Fauquet
Call Office to get on list

QuickTime VR—Making a Panorama

They're showing up everywhere—tours of homes, museums, businesses and scenic spots. Learn how to shoot a panorama, how to stitch one together, and what software and equipment is needed. This class will include the use of freeware shareware and commercial software. Students will use a range of digital cameras to produce several panoramas that will be stitched into tour with nodes linking the panoramas. Pan heads and leveling devices will be used and discussed. Adding panoramas to web pages will complete the day.

Prerequisite: 5 Part New User Set or Brush Up Your Mac Skills along with Web Pages-The How To Dos or the permission of the instructor.

Number of Sessions: Two.

Price: Standard Members: \$150.00, Associate Members: \$250.00, Non-Members: \$250.00

Instructor: Pat Fauquet
Call Office to get on list

QuickTime VR—Making a Virtual Object

Imagine being able to manipulate a picture of a three dimensional object! Rotate it, turn it, bring it closer. Learn to produce object movies that can be placed on web pages.



This class will include the use of freeware shareware and commercial software. Students will use a range of digital cameras to produce several VR objects. Adding these object movies to a web page will complete the class. This is a three hour class.

Prerequisite: 5 Part New User Set or Brush Up Your Mac Skills along with Web Pages-The How To Dos or the permission of the instructor.

Number of Sessions: Two.

Price: Standard Members: \$150.00, Associate Members: \$250.00, Non-Members: \$250.00

Instructor: Pat Fauquet
Call Office to get on list

Beginner Final Cut Pro

This three hour beginning Final Cut Pro class is the jump off point for people who would like to start using this powerful program for making videos. Topic to be covered are listed below.

Hardware and Software Setup: System/Memory settings; Camera/Deck/Monitor connections; Scratch Disk setup; Final Cut Pro preferences.

Final Cut Pro — The Interface: Browser; Viewer; Timeline; Toolbar.

Logging and Capturing: Setting the log bin; Transport controls; Ins and outs of timecode; Selected capture; Handles.

Editing: Trimming clips; Keyboard shortcuts; Transitions; Dynamic previewing and rendering.

Titles: Title and action safe areas; Drop shadows.

Filters and Effects: Applying.

Audio: Importing from audio CD.

Final Output: Print to Video vs. recording from Timeline; Exporting QuickTime file.

Special Instructions: Students should bring their Digital Video Camera, cables and software with them to class.

Prerequisite: 5 Part New User Set or Brush Up Your Mac Skills.

Number of Sessions: One.

Price: Standard Members: \$75.00, Associate Members: \$125.00, Non-Members: \$125.00

Instructor: Barrett Thomson
Call Office to get on list

Adobe Photoshop Part 1

Learn the basic fundamentals of Adobe Photoshop, the most widely used graphics program. Learn the proper

way to configure the Photoshop preferences and how to use the tool, info, channel and color palettes. Also learn how to use each of Photoshop's tools, create new documents, define colors and manipulate text and images. Also covered will be the proper format to save your image in, and what compression will or won't do to your image.

Prerequisite: 5 Part New User Set or Brush Up Your Mac Skills.

Number of Sessions: One

Price: Standard Members: \$75.00, Associate Members: \$125.00, Non-Members: \$125.00

Book Price: \$10.00 to be paid with class registration.

Instructor: Paul Schlosser

3/14/01 - 6 pm - 9 pm

4/11/01 - 6 pm - 9 pm

Adobe PhotoShop Part 2

Learn how to isolate different parts of an image or layers. Edit layers as discrete artwork with unlimited flexibility in composing and revising an image. Create more complex effects in your artwork using layer masks, clipping groups, and adjustment layers. This class includes both layer basics covered in the Photoshop tutorial and advanced layer techniques covered in the Classroom in a Book, Lesson 8.

Prerequisite: 5 Part New User Set or Brush Up Your Mac Skills along with Adobe PhotoShop Part 1 or a knowledge of the topics covered in that class

Number of Sessions: One

Price: Standard Members: \$75.00, Associate Members: \$125.00, Non-Members: \$125.00

Book Price: \$10.00 to be paid with class registration.

Instructor: Blake Lange

3/20/01 - 7 pm - 10 pm

4/17/01 - 7 pm - 10 pm

Adobe InDesign 1

Work through a demonstration of Adobe InDesign providing an overview of the key features. Get to know the navigation features for using the drawing, layout, and editing capabilities. Learn the work area including the document window, the pasteboard, the toolbox, and the floating palettes. This class covers "A Quick Tour of Adobe InDesign" (the same as Chapter 1 in the User Guide) and "Lesson 1: Getting to Know the Work Area" from the Adobe Classroom in a Book.

Prerequisite: 5 Part New User Set or Brush Up Your Mac Skills.



Number of Sessions: One

Price: Standard Members: \$75.00, Associate Members: \$125.00, Non-Members: \$125.00

Book Price: \$10.00 to be paid with class registration.

Instructor: Blake Lange

Call Office to get on list

Adobe InDesign 2

Learn to use the tools for setting up pages to ensure a consistent page layout and to simplify your work. Learn how to set up master pages and use columns and guides. Work with frames to hold either text or graphics. Learn how InDesign gives you flexibility and control over your design. This class covers "Lesson 2: Setting Up Your Document" and "Lesson 3: Working with Frames" from the Adobe Classroom in a Book.

Prerequisite: 5 Part New User Set or Brush Up Your Mac Skills along with Adobe InDesign 1 or a knowledge of the topics covered in that class.

Number of Sessions: One

Price: Standard Members: \$75.00, Associate Members: \$125.00, Non-Members: \$125.00

Book Price: Same book as used with Adobe InDesign 1.

Instructor: Blake Lange

Call Office to get on list

Adobe Illustrator: Mastering the Bezier Curve

Illustrator has become so feature laden that current tutorials are just overviews of the product; they do not present the fundamental workings of the program in depth. The Bezier curve, otherwise known as a vector graphic, is the primary building block of Illustrator (and many other drawing programs). Mastering its use will fundamentally change your view of the power of the program. The way the Bezier curve works, however, may seem alien at first with its points and vectors, an approach to illustrating many find counter-intuitive. This class will start with creating and editing the simplest lines and curves and build up to the creation of complex illustrations. By the end of the class you should feel comfortable editing any illustration based on the Bezier curve, for example, all clip art that has the eps extension in its file name. This class serves as both a good introduction to the program and as a help for the more advanced user to become adept in its use.

Prerequisite: 5 Part New User Set or Brush Up Your Mac Skills.

Number of Sessions: One

Price: Standard Members: \$75.00, Associate Members: \$125.00, Non-Members: \$125.00

Book Price: \$10.00 to be paid with class registration.

Instructor: Blake Lange

**Washington Apple Pi
Tutorial Registration Form**

Washington Apple Pi
12022 Parklawn Drive
Rockville, MD 20852
301-984-0300

Name _____

Address _____

City/State/Zip _____

Phone (day) _____ (evening) _____

Member Number _____ Non-member _____

Number of Classes ____ x Class Fee \$ _____ = Total Fee \$ _____

Check/Money Order Visa/MasterCard

Card Number _____

Card Expiration _____ Signature _____

Please fill in the name(s) and date(s)
of the class(es) that you wish to
attend.

Class #1 _____

Class #2 _____

Class #3 _____

Class #4 _____

Class #5 _____

Class #6 _____

Mail registration and payment to the above address.



Call Office to get on list

Introduction to Quark XPress

Learn the basic fundamentals of Quark Xpress, the most widely used page layout program. Learn the proper way to configure the Xpress preferences and how to use the tool, measurement, color and documents palettes. You'll learn how to properly create new documents, define four-color process and spot colors, create master pages and manipulate text and graphic objects. Learn how to correctly use Xpress font and picture usage windows and how to configure the document for the laser printer or high-resolution imagesetter.

Prerequisite: 5 Part New User Set or Brush Up Your Mac Skills.

Number of Sessions: One

Price: Standard Members: \$75.00, Associate Members: \$125.00, Non-Members: \$125.00

Instructor: Paul Schlosser

Call Office to get on list

Quark Xpress Clinic

This class is for those who have some experience with Quark Xpress and are interested in asking questions and having specific problems discussed. The class will be a question and answer format and you should bring along on floppy a sample of things for which you would like help.

Prerequisite: Introduction to Quark XPress or a good working knowledge of QuarkXpress and its interface.

Number of Sessions: One

Price: Standard Members: \$75.00, Associate Members: \$125.00, Non-Members: \$125.00

Instructor: Paul Schlosser

Call Office to get on list

Introduction to PageMaker

Using the basic commands, tools, and palettes, you will import, format, and position text and graphic elements needed to assemble a single-page, black and white flyer. This project will cover the following topics: Restoring default PageMaker settings. Changing the view of a publication. Creating a new publication. Opening an existing publication. Setting up the horizontal and vertical rulers. Displaying and hiding guides. Positioning the zero point. Using the pointer tool, the text tool, and the zoom tool. Specifying multiple columns. Locking the guides. Creating, placing formatting, and positioning text and graphic elements. Creating a drop cap. Applying a tint to text. Specifying a hanging indent. Creating ruler guides. Drawing circles, rectangles, and lines. Adjusting

Other Educational Opportunities

Apple Computer Inc., Reston, VA
703-264-1000 or www.seminars.apple.com

EEI—Training 703-683-7453
www.eecomcommunications.com

MacAcademy 800-527-1914
www.macacademy.com

Mac Business Solutions 301-330-4074 or
www.mbsdirect.com

Micro Center 703-204-8400
or www.microcentereducation.com

Piowar & Associates 202-223-6813 or
www.tjpa.com

the stacking order of elements on the page. Range kerning text. Using the Snap to Guides option.

Prerequisite: 5 Part New User Set or Brush Up Your Mac Skills.

Number of Sessions: One

Price: Standard Members: \$75.00, Associate Members: \$125.00, Non-Members: \$125.00

Book Price: \$10.00 to be paid with class registration.

Instructor: Blake Lange

Call Office to get on list

PageMaker Clinic

This class is for those who have some experience with PageMaker and are interested in asking questions and having specific problems discussed. The class will be a questions and answer format and you should bring along on floppy a sample of things for which you would like help.

Prerequisite: 5 Part New User Set or Brush Up Your Mac Skills along with Introduction to PageMaker or a good knowledge of the basics of PageMaker and its interface.

Number of Sessions: One

Price: Standard Members: \$75.00, Associate Members: \$125.00, Non-Members: \$125.00

Book Price: Same book as used with Introduction to PageMaker.

Instructor: Blake Lange

Call Office to get on list ■



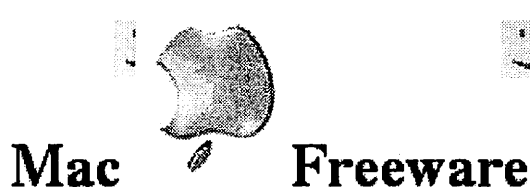
Mac Freeware & Shareware on the Web

by Dave Ottalini

THIS IS ONE in a series of occasional articles taking a look at a random selection of sites on the Internet that offer freeware or shareware. It's amazing how many places you can go on the Web to find applications, graphics and fonts for free or at very little cost.

SON OF SPY'S MAC FREEWARE

<http://www. Dover.net/~whoi/MAC-1.html>



Well okay. This site says it has 250 programs on five pages. Pretty cheesy looking if you ask me. But if you're willing to do a little scrolling you may well find a program or two that interests you. There are descriptions for each alphabetized software download, but the type selected makes it difficult to read. "New" selections are marked as such, but it was hard to find dates anywhere. The only one I found was for one piece of software that was dated August 1999. But the links take you to other download sites, so it's possible to check and see if there are later versions of the software available.

FREEWARE TRACKER

<http://www.tigerherbs.com/eclectica/freedom/freeware.html>

"Well okay. This site says it has 250 programs on five pages. Pretty cheesy looking if you ask me. But if you're willing to do a little scrolling you may well find a program or two that interests you. There are descriptions for each alphabetized software download, but the type selected makes it difficult to read."

Tracker's Eclectica Presents...

Freeware Tracker

Here I was, making an attempt to find and review freeware sites and Freeware Tracker already beat me too it. Shoot! But what the heck, I took a look anyway and found it's a pretty good resource that may be worth your bookmark. It does cover PC and Mac - and even has a line that tells Mac users to look for the old-style logo. As with many other sites, Freeware Tracker offers an alphabetized list that you scroll down through. Each site is reviewed and gets thumbs up or down along with the review. The first Mac site listed by the way is called "Fileze.com" at <http://www.filez.com>. It's a search engine that "lets you search over 75 million files for freeware, shareware, graphics, sounds, and more." Another Mac site, "Forever Freeware" at <http://www.ptialaska.net/~capt/freeware.html> gets no thumbs one way or the other, but says it has lots of great links so take a look.



TOPDOWNLOADS.NET

<http://www.topdownloads.net/software/mac/in/index.htm>



This is a very yellow web site. Beyond that, Topdownloads offers a wide range of applications for both Windows and Mac users, games, skins, even screensavers. There's a special button to click on that says "Macintosh Software" but don't do it unless you want to go to a different site that promotes a web statistics program. Thumbs down on that. Instead scroll down to see a choice of 12 links to everything from the "Top 10 Software" to Educational Software and Screensavers. There was a little "update" icon next to the listings that had claimed to have new stuff. I got to new pages with these links, but some were broken. And there were broken links on some of the new pages. When the links did work, there was a list of each program, a description and download link. Some things, like the calendar "wallpaper" program I tried was from 1998.

CNET SHAREWARE.COM

<http://shareware.cnet.com/>



CNET is one of those humungus sites on the Internet that wants to be a "portal" through which you go before heading somewhere else. News, prices and comparisons, downloads, auctions—it offers every-

"Topdownloads offers a wide range of applications for both Windows and Mac users, games, skins, even screensavers. There's a special button to click on that says "Macintosh Software" but don't do it unless you want to go to a different site that promotes a web statistics program. Thumbs down on that. Instead scroll down to see a choice of 12 links to everything from the 'Top 10 Software' to Educational Software and Screensavers."

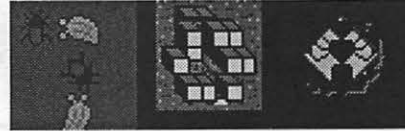
thing for anyone interested in technology. It's affiliated site, shareware.cnet.com is basically a search engine—able to search for up to 250,000 shareware files on the Internet in a single bound. You have a wide range of choices to search on—OS, platform, even all of CNET or the Web. Type in a keyword and off you go. Being interested in DSL service of late, I selected Macintosh and got three hits, none of which were shareware, all were from the web site InfoMac.com's archives. Just for the heck of it, I searched the same thing under "Windows -all" and got 4 hits. Using Download.com as my search choice, I ended up with one program. I'm sure if I'd tried something more general, I'd have gotten many more hits. This is a powerful search site that can help you find just about anything that's freeware or shareware on the Mac. ■



Mac Freeware & Shareware on the Web

by Dave Ottalini

MACINTOSH ARTIFICIAL LIFE SOFTWARE
<http://www.ccnnet.com/~bhill/elsewhere.html>



How many movies have been made dealing with artificial life? How many dealing with computers and artificial life. You're right—too many to count. So instead of fighting artificial life, why not create a little right in your own computer? This web page lists many different artificial life programs you can try on your own. There are easy ones to start with (ftp://ftp.ncal.verio.com/pub/users/bhill/Flies_v2.3.hqx), explanations about why you should care about artificial life techniques and much, much more. If your 13 year old needs a science project, this might just be a good place to start.

MACINTOSH MIDI USER'S INTERNET GUIDE
<http://www.aitech.ac.jp/~ckelly/mmuig.html>

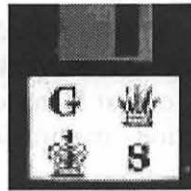
Macintosh MIDI User's Internet Guide Information and Links for the Mac MIDI Musician

First it was artificial life, then artificial digital music. This site—aimed at musicians—lists all the freeware and shareware MIDI music programs you could want. There are two basic pages here, nothing fancy. Page 1 lists all the latest software you can find on the web that has anything to do with MIDI - a digital music "language" or protocol first released in 1983 that, according to author Eric Lipscomb, "allows digital musical instruments to interact with each other." For musicians, that means creativity they've never known before. For those of us who like music, it just means new worlds of music at all levels. Page 1 of this site lists the latest (from December, 2000) MIDI file players and much more (MIDI music files are all over the internet). If you want to delve into MIDI music, scroll down to page 2, which has lots of links to tutorials, archives, utilities and more. Some links I checked were broken, but most will get you where you're trying to go. ■

WE'RE ON THAT free Mac software train ride again—chugging down the Web's tracks to find you sites of interest along the way. Please watch for any flying embers these pages might leave behind.

GAMBIT-SOFT

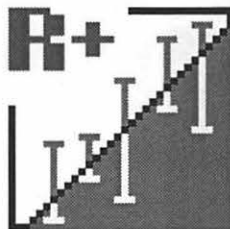
Free Macintosh Chess Sites, by Richard A. Fowell
<http://www.gambitsoft.com/mac.htm>



If you're heavily into chess on the cheap, this is the website for you! Richard Fowell has put together—in one page mind you—free chess programs, chess databases, online chess and links to chess web sites. The free programs are, in some cases, demos or limited-use versions of commercial programs. Fowell offers brief descriptions of each that are straight-forward and clear for the most part. He says HIARCS 7.0 Mac is the best of the lot, by the way.

MATHEMATICAL MODELING FOR THE MAC

http://www.geocities.com/~mikemclaughlin/software/Regress_plus.html



Okay. I never made it past Calculus in college so don't ask me about Regress + 2.3.1, but if you're into mathematical modeling, you can download this program for free and give it a try. The web page offers complete information about what Regress can do, links to tutorials and more.

The



AWS/MACMET WEATHER SOFTWARE - REVIEW AND TUTORIAL

COMPILED BY DAVE OTTALINI

(AWS COPYRIGHTED MATERIALS WERE USED IN THE WRITING OF THIS REVIEW/TUTORIAL)

Special thanks to Channel 4 and Bob Ryan for this informative and interesting coverage of the software.

Introduction

WEATHER is something we all know - and talk - about constantly. It impacts our lives in so many ways that we follow reports about it many times a day. TV and radio stations give it a high priority in their broadcasts and weather sites on the Internet are some of the most popular.

The weather also offers a unique way to help teach students science, mathematics and much, much more. But how do you bring the weather "home" and personalize it for students. One possibility is with a unique program from a company in Gaithersburg, Maryland called AWS that, combined with grants from WRC-TV and its partners in the Washington, DC area are making weathercasting "real" for a growing number of students. They make it possible to install weather stations at school and access the information over the Internet real time.

In fact, the AWS ("Automated Weather Source") MacMet /PC Airwatch software also offers the ability to look at historical weather data over a four month period - making longer term observations possible.



WeatherNet 4 WINDS NBC4 WeatherBug Download it here!

HOME | FORECASTS | REALTIME | INTERACTIVE | COMMUNITY | SPACE | STORMCENTER

Interactive Maps

- ▣ Annapolis
- ▣ Anne Arundel Co.
- ▣ Charles Co.
- ▣ Frederick Co.
- ▣ Howard Co.
- ▣ Marlborough Co.
- ▣ Prince Georges Co.
- ▣ Washington Co.
- ▣ DC Metro
- ▣ Maryland
- ▣ Arlington
- ▣ Fairfax Co.
- ▣ Loudoun Co.
- ▣ Loudon Co.
- ▣ Prince William Co.
- ▣ Rockville Co.
- ▣ Arlington Co.

Real-Time Java

- ▣ Real-time Web
- ▣ Real-time Map
- ▣ Live Java Weather
- ▣ Live Weather City Sites

Broadcast Java Display

STORM CENTER 4
 Winds Neighborhood Storm Station
 Forest Knolls ES
 Silver Spring, MD

TEMPERATURE	73
HEAT INDEX	78
DAILY RAIN	0.00
WIND GUST	16

7/14/00 nbc4.com 9:00:45p

Teachers can use their imagination to come up with many ways to use the weather station for educational activities beyond just gathering information:

- Reading and writing about the weather both locally and in other places around the U.S. or the world can be fun and interesting.
- The weather's affects on sports, geography (disasters) and historical events can be discussed and studied.
- Spelling and dictionary exercises can include weather terminology.
- Music and Art projects can have a weather theme.
- A morning school "Radio Show" can feature real-time information from the school Weather Station on a daily basis.
- Students can watch and compare weathercasts on local TV stations, study the graphics used and the technology involved in gathering the weather.
- Teachers can create a Weather Club to learn more about the weather and nature.



OBTAINING A WEATHER STATION FOR YOUR SCHOOL

HOME | FORECASTS | REALTIME | INTERACTIVE | COMMUNITY | SPACE | STORMCENTER

Interactive Maps

- [Regional](#)
- [Anne Arundel Co.](#)
- [Charles Co.](#)
- [Frederick Co.](#)
- [Howard Co.](#)
- [Montgomery Co.](#)
- [Prince Georges Co.](#)
- [Washington Co.](#)
- [DC Metro](#)
- [Alexandria](#)
- [Arlington](#)
- [Fairfax Co.](#)
- [Fauquier Co.](#)
- [Loudon Co.](#)
- [Prince William Co.](#)
- [Berkeley Co.](#)
- [Franklin Co.](#)

Real-Time Java

- [Regional Map](#)
- [Suburban Map](#)
- [Live Java Weather](#)
- [Live Weather/City Cam](#)

WeatherBug

- [Weather Bug Home](#)
- [Free Download](#)

This feature brought to you by **pepco**

Montgomery County, MD Map

Schools can obtain matching grants from WRC-TV Meteorologist Bob Ryan (and the station's WeatherNet 4 co-sponsors) to purchase the weather station. The matching grant can be as much as \$2500.00. Total costs can run upwards of \$6000.00 with installation and training by AWS. PTAs typically raise the rest of the funds or find other grant monies. Contact Ryan at bob.ryan@nbc.com for more information, or check out the AWS weather site at www.aws.com.

WHAT IS AWS AND MACMET/PC AIRWATCH?

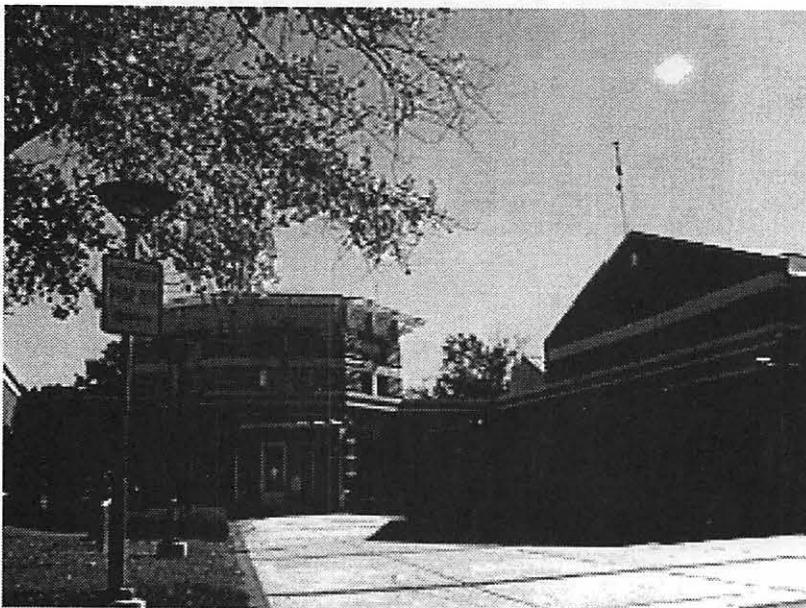
MacMet (for the Mac) and PC AirWatch (for PC) software is the computer software "interface" for the AWS Weather Station. The Mac software can be installed on any Quadra or later Mac with an Internet connection. It takes up about 1.3 MB on a hard drive.

WRC's WeatherNet 4Winds Web Page for Montgomery County

AWS is the company that supplies the "AirWatch" Weather Stations to schools and other institutions and supports it with instructional materials, training and

a web site at www.aws.com. Many TV stations use this school-gathered weather information around the U.S. including WRC-TV (Channel 4) locally. Chief Meteorologist Bob Ryan says more than 400 schools in the Washington DC region have AWS Weather Stations (as of November, 2000) - more than any other region of the U.S. Ryan and his staff use the information on-air and as part of the "4-WINDS" weather instructional program.

The US Weather Service also uses the weather information as it provides real-time readings on a very localized ("hyper-local") basis.



Forest Knolls Elementary in Silver Spring had an AWS Weather Station installed last Spring. The Weather Station mast is on its All Purpose Room roof with all its weather sensors attached. Those sensors are connected to a Quadra Macintosh with a full-time internet connection and running the AWS Weather Server application. Also attached to the computer is a stand-alone wood-encased digital read-out that shows what the weather is at that very moment. There are displays for outside and inside temperatures, how much sunlight there is, how much rain has fallen (if any), wind direction and much more.

All of these readings are available to anyone with an Internet connection at the AWS and WRC-TV web pages. Technically - the computer dedicated to the weather station is a "server" that gathers the data and makes it available on the World Wide Web through the AWS computers. It can also talk to other AWS Weather Stations anywhere in the world - and share data with them when asked.

Thus students can "see" the weather station's real-time readings at school on any Internet-capable computer simply by going to the AWS or WRC web pages. The AWS/WRC Web page is at <http://aws.com/nbc/wrc/>.

But with the MacMet/PC AirWatch software application, teachers get much, much more. MacMet and PC AirWatch lets them decide what weather stations to look at from all over the world (most stations are in the U.S.). TV Stations each have their own regional "groups" of weather stations, but one can group individual stations according to the areas being studied. That includes the ability to download historic data going back as much as 4 months and compare the readings. For Example, students could look at an AWS Weather Station in Europe and compare its readings on any given date over a four month time span (for which there are readings) vs. those at the local school.



GETTING STARTED with MacMET

Installation of MacMet is easy and straightforward. You can install it with 3.5" floppies or from a CD. Instructions are clear and easy to follow. When you first start MacMet, you will see the program loading and then this WRC "Splash Screen."

Hit return to be taken to the application's Station Manager. This is your "Command Center" that allows you to do everything you need to gather, manipulate and print information from the school's Weather Station and others like it elsewhere.

The very first thing you should know is that each AWS Weather Station has an ID name. For example - "SLVRS." Note that other schools might have similar IDs - but every one is different.

A station is also identified by its geographic location and elevation:

HUGHES


Present
Washington

Weather Interactive Demonstration Schoolnet
(4 - WINDS)

A Corporate / Community
Education Outreach Program

Developed by *Bob Ryan*

A Project to Use "Weather As A Window"
Into Science, Mathematics, and Geography Education

Equipment and Software by:  Automated Weather Source

Note the Station Manager has two windows. On the left are the weather station "groups" in a TV station's viewing area (like WRC's) or groups you've created. Highlight a choice there (Washington, DC is in the above example) and the right window will immediately show you all the stations in that group. Double Click on the group to get a new window that will let you edit the group - adding or removing stations as you desire. Double Click on the station for more information and to make it active or not.

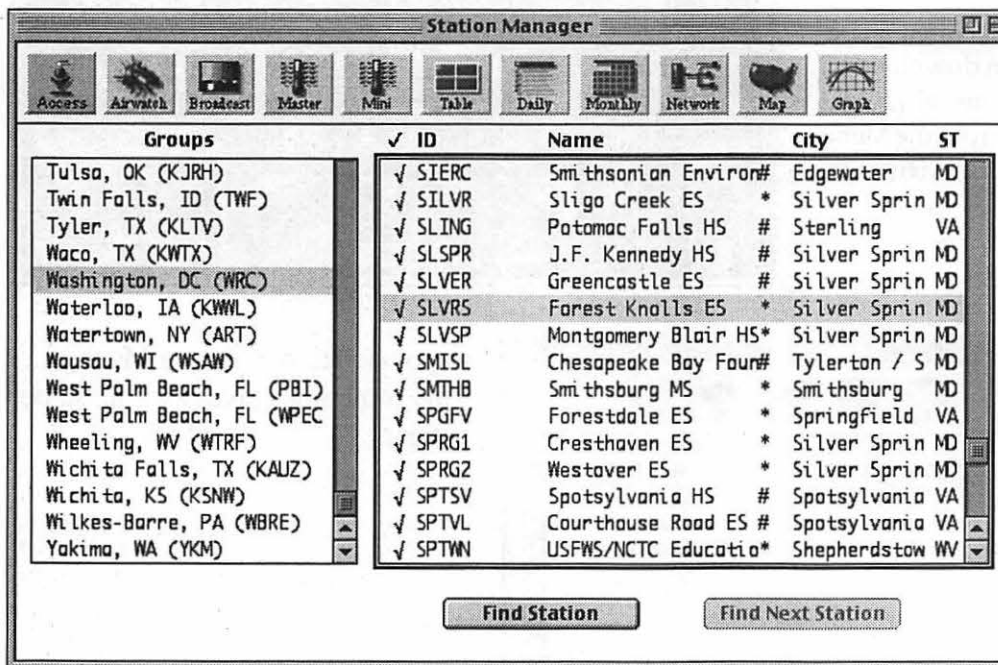
Let's look at each item from left to right in that window. If there's a check, it means the station is active so you can download information. Next is the ID

in alphabetical order for each station, its name, city and state. A "*" means the station is accessible real-time on

Latitude N Longitude W
Elevation

the Internet. A "#" means historical data only is available. Use the scroll bar on the right to move the stations up and down until you find the one you want and click on your selection to highlight it. If you know the ID of the station, by the way, you can click on the "Find Station" button at the bottom, type in the ID and it will find it for you. So far, so good. You're now ready to gather information.

Let's look at each icon on the top and what it does:



Groups	✓ ID	Name	City	ST
Tulsa, OK (KJRH)	✓ SIERC	Smithsonian Environ#	Edgewater	MD
Twin Falls, ID (TWF)	✓ SILVR	Sligo Creek ES	* Silver Sprin	MD
Tyler, TX (KLTV)	✓ SLING	Patamac Falls HS	# Sterling	VA
Waco, TX (KWTX)	✓ SLSPR	J.F. Kennedy HS	# Silver Sprin	MD
Washington, DC (WRC)	✓ SLVER	Greencastle ES	# Silver Sprin	MD
Waterloo, IA (KWWL)	✓ SLVRS	Forest Knolls ES	* Silver Sprin	MD
Watertown, NY (ART)	✓ SLVSP	Montgomery Blair HS*	Silver Sprin	MD
Wausau, WI (WSAW)	✓ SMISL	Chesapeake Bay Foun#	Tylerton / S	MD
West Palm Beach, FL (PBI)	✓ SMTHB	Smithsburg MS	* Smithsburg	MD
West Palm Beach, FL (WPEC)	✓ SPGFV	Forestdale ES	* Springfield	VA
Wheeling, WV (WTRF)	✓ SPRG1	Cresthaven ES	* Silver Sprin	MD
Wichita Falls, TX (KAUZ)	✓ SPRG2	Westover ES	* Silver Sprin	MD
Wichita, KS (KSNW)	✓ SPTSV	Spotsylvania HS	# Spotsylvania	VA
Wilkes-Barre, PA (WBRE)	✓ SPTVL	Courthouse Road ES #	Spotsylvania	VA
Yakima, WA (YKM)	✓ SPTWN	USFWS/NCTC Educatio*	Shepherdstow	WV



ACCESS

This icon lets you download weather information from individual stations in the AWS network or you can choose groups of stations. Select the station group you want from the Groups window. IF you want to download all the weather information for all the stations, click on Access. IF you only want to download information from an individual station in that group, click on the station, then click on Access. You'll see the information downloading in a new window. Some go quickly, others are slower so be patient.

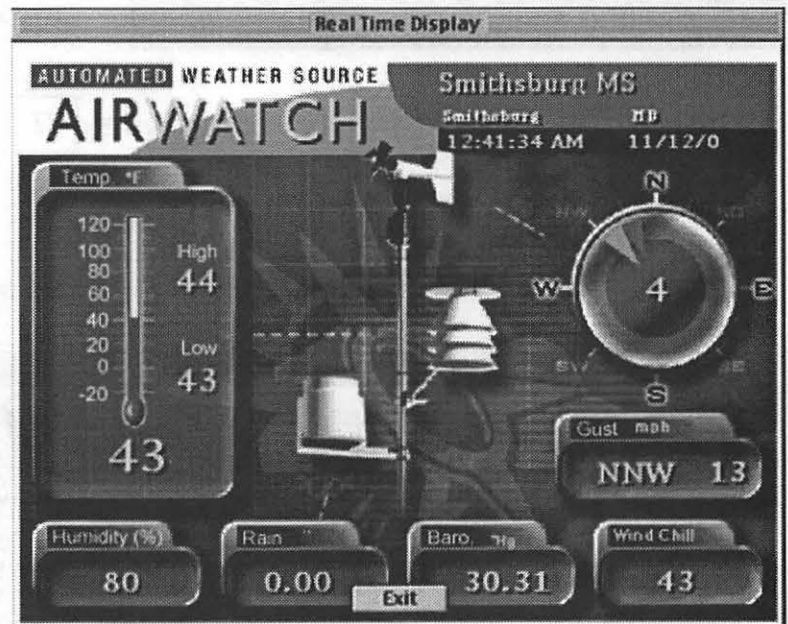
If you'd like to download historical data make sure you've checked Historical Download in the Edit->Settings Menu Bar. Then highlight the station and goto the Menu Bar: Station Manager ->Stations->Get Historical. The download begins at this point, with the information stored in your computer and ready to use.

If you or your students have created a special group of stations, MacMet can download all the information from all the stations. Highlight the group, then click on Access or from the Menu Bar: Station Manager->Groups->Call Active Sta-



AIRWATCH

Click this icon and you'll get a real-time weather display of the station you have highlighted. You'll again see a new window open, indicating that the station is being contacted and then the real-time display pops up as you see below. Click on "exit"



Station Manager

Access Airwatch Broadcast Master Mini Table Daily Monthly Network Map Graph

Groups	ID	Name	City	ST
Evansville, IN (WFIE)	✓ CBGSHGB	Alcanbury HS	* APO	AE
Fargo, ND (KXJB)	✓ DBLUECA	West Hill Secondary*	Owen Sound	ON
FKES vs. The World	✓ HILOH	Kaunana ES	* Hilo	HI
Flint, MI (FNT)	✓ SLVRS	Forest Knolls ES	* Silver Sprin	MD
Florence, SC (FLO)				
Fresno, CA (FRS)				
Ft. Myers, FL (WINK)				
Ft. Myers, FL (WZVN)				
Ft. Wane, IN (WANE)				
Ft. Wayne, IN (WANE)				
FT. Smith, AR (FTS)				
Grand Junction, CO (GJT)				
Grand Rapids, MI (WOOD)				
Green Bay, WI (GRB)				
Greensboro, NC (WFMY)				

Find Station Find Next Station

to go back to the Station Manager. This sometimes takes awhile, so be patient.



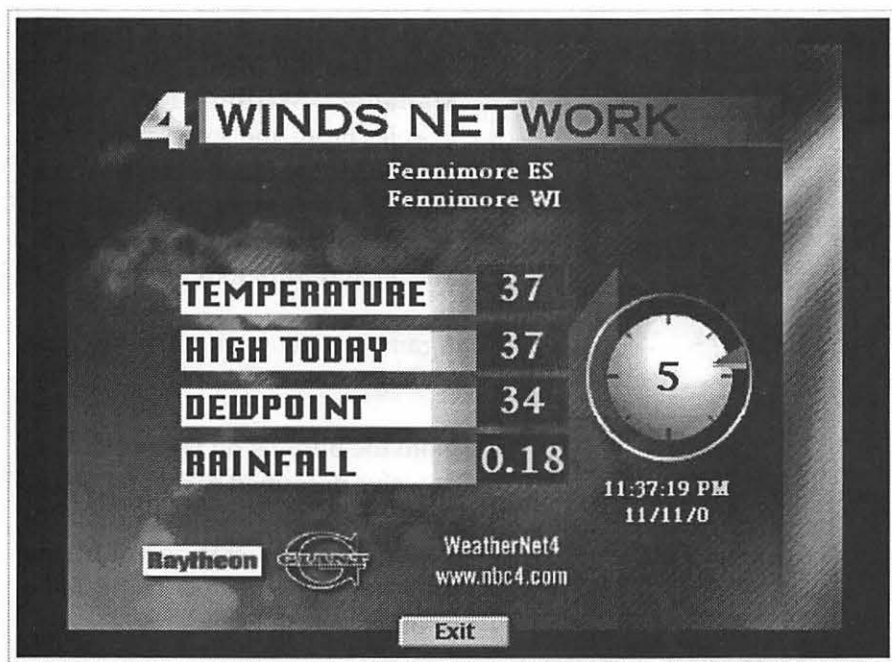
BROADCAST



MASTER

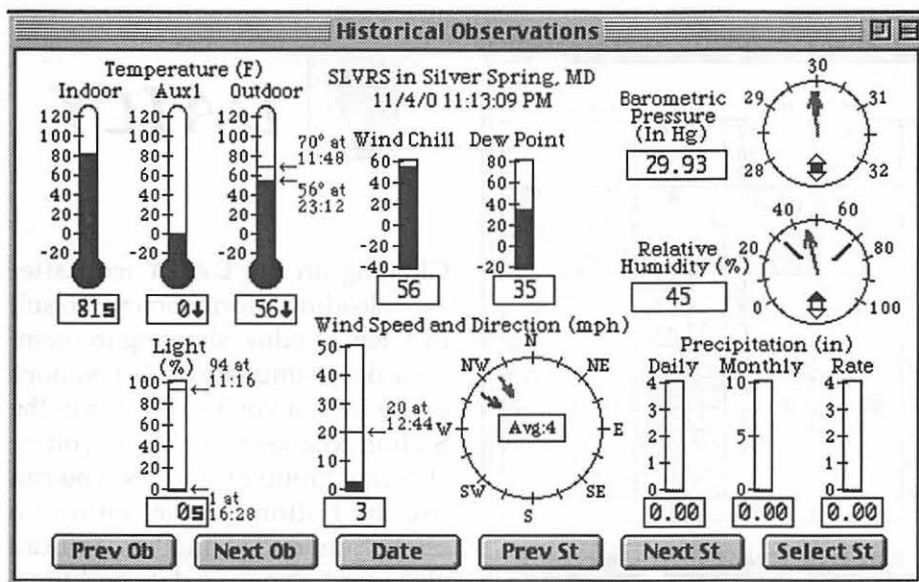
Want to see a graphical weather display like you do on WRC's weathercasts? This is the icon to click after you've highlighted the desired station. Click on Exit to go back to the Station Manager.

This is your go-to icon for all the historical weather information of the school's Weather Station or other highlighted groups or stations in the Station Manager. It's straight-forward and easy to read. Apple Key + S takes you back to the Station Manager.



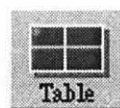
Note the buttons at the bottom of the display. From Left to right:

- PREV OB: Previous Observation (go back to the last observation)
- NEXT OB: Next Observation (go to the next available observation)
- DATE : Select the Date you want to start your observations from as well as the hour and minute.
- PREV ST : IF you are working with groups of stations, this button will take you to the previous station by alphabetical order in the group.
- NEXT ST: IF you are working with groups of stations, this button will take you to the next station by alphabetical order.
- SELECT ST: Allows you to select a different station in the group by its five letter designation.





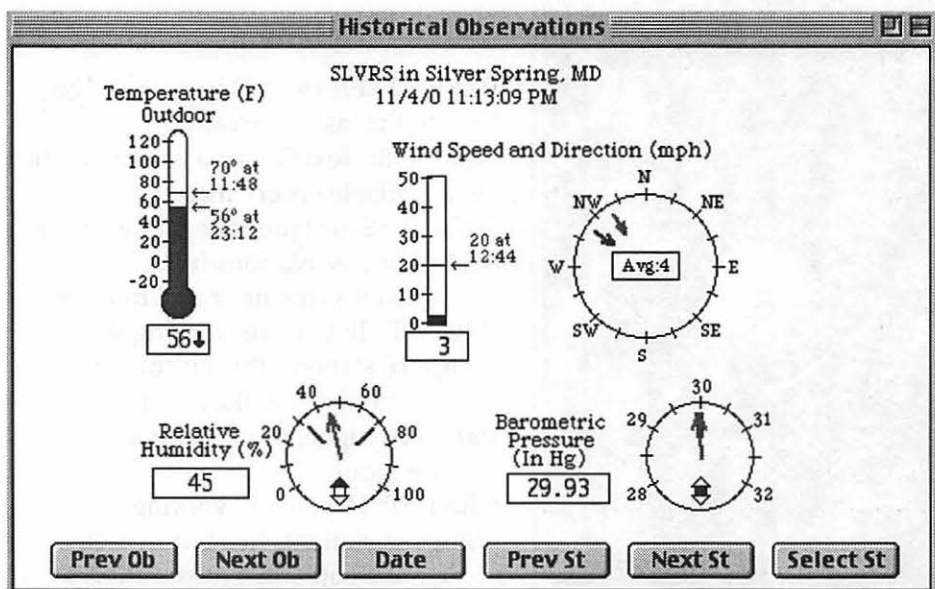
MINI



TABLE

Think of the Mini Screen as "Master Screen Lite." This is the "best-of" list of readings - but you'll still get access to the same historical data for the active station or groups of stations you've selected. The buttons here work the same as with the Master Screen. Apple Key + S takes you back to the Station Manager.

Looking for historical observations in a table format? This icon is your choice. Highlight the station you want, then click on this icon. Again, the buttons on the bottom will take you through previous and subsequent observations, let you select the date and time, and let you scroll through the stations in your selected group.



Want real-time on-going observations? Use the Menu Bar->Station Manager->Station->Real Time->Table. From the same menu you can CALL the station to download the latest information. (Real Time works with Airwatch, Broadcast, Master and Mini too).

Again - to get back to the Station Manager, use the Apple Key +S.

Note the buttons on the bottom act as we've described earlier for active stations and the selected groups of stations. Remember to download the information first before using Table or other selections.

Historical Observations
Station SLVRS Silver Spring, MD 11/4/0 11:13:09 PM

Observation Summary	Current	Low	Time	High	Time	Change Rt
Indoor Temp (F)	81	81	4:42p	82	12:00a	0
Auxilliary Temp (F)	0	-98	12:00a	-98	12:00a	-3
Outdoor Temp (F)	56	56	11:12p	70	11:48a	-1
Wind Chill Temp (F)	56					
Heat Index Temp (F)	56					
Dew Point Temp (F)	35					
Wet Bulb Temp (F)	46					
Relative Humidity (%)	45	31	1:59p	70	6:55a	4
Barometric Pressure (Hg)	29.93	29.91	4:50p	30.03	8:07a	0.00
Wind Speed (mph)	3			20	12:44p	
Wind Direction	WNW			W		
Avg Wind Speed (mph)	4					
Avg Wind Direction	NW					
Precipitation Rate (in)	0.00			0.00	12:00a	
Daily Precipitation (in)	0.00					
Monthly Precipitation (in)	0.00					
Yearly Precipitation (in)	4.42					
Light (%)	0	1	4:28p	94	11:16a	0

Buttons: Prev Ob, Next Ob, Date, Prev St, Next St, Select St



DAILY

Clicking on the DAILY icon after downloading information will result in a new window showing the complete daily summary of observations of the station you've selected in the Station Manager. Again, if you've chosen a group of stations, you can use the buttons at the bottom to move from one to another. You can also select a specific date and time,

and select a specific station from that group rather than scrolling through all of them.

This information, like all the others provided by the Station Manager can be printed just like any other page. Just goto File in the Menu Bar, and then choose "Print Summary." Or you can just do Apple Key + P as usual.

Apple Key + S takes you back to the Station Manager as usual.



MONTHLY

If you'd rather look at the historical data on a monthly basis, this is the icon for you. Select your station or your group and click. You'll have to scroll right to see everything but you can also print out the information as needed (try using landscape mode to get everything).

Use the buttons below to look at the Previous Month or the Next Month. Do this after Selecting the Date you want to start from. And as with the other menu items, you can select a specific station within your group as desired if you know the station ID number.

Daily Summary

Automated Weather Source Observation Historical Summary: Tmp: dg F, Wnd: MPH, SILVR Sligo Creek ES, MD, 11/10/0

Time	Tmp	RH	DP	WB	AWind	BP	WC/HI	RnDf	RnDy	Lgt	OtRt	Rt
12:00a	63	100	63	63	SSE	1	29.26	63	0.00	0.00	0	1
1:00a	66	100	66	66	SE	4	29.21	66	0.00	0.00	0	3
2:00a	66	100	66	66	SE	7	29.19	66	0.00	0.00	0	1
3:00a	54	99	54	54	WSW	5	29.22	52	0.00	0.00	0	-13
4:00a	52	100	52	52	NW	1	29.24	52	0.25	0.25	0	-1
5:00a	52	100	52	52	SW	2	29.26	52	0.00	0.25	0	0
6:00a	52	100	52	52	WSW	1	29.29	52	0.00	0.25	0	-1
7:00a	51	92	49	50	SW	1	29.30	51	0.00	0.25	0	0
8:00a	54	73	46	49	SW	3	29.32	54	0.00	0.25	23	3
9:00a	56	63	44	49	SSW	7	29.34	56	0.00	0.25	29	2

Buttons: Previous Day, Next Day, Select Date, Select Station

Monthly Summary

Automated Weather Source Monthly Observation Summary: Tmp: dg F, Wnd: MPH, BF SLVRS Forest Knolls ES, MD, 11/2000

Day	HiTmp	LoTmp	RnDay	RnMnth	RnYr	MxRnrt	Gust	MxLght	LstLgt	MnPress	Mb
1	63	42	0.00	0.00	4.42	0.00	19	100	4:59p	30.08	:
2	69	46	0.00	0.00	4.42	0.00	15	100	4:58p	30.10	:
3	77	40	0.00	0.00	4.42	0.00	11	98	4:30p	30.01	:
4	70	56	0.00	0.00	4.42	0.00	20	94	4:28p	29.91	:
5	59	40	0.00	0.00	4.42	0.00	27	100	4:53p	29.92	:
6	58	35	0.00	0.00	4.42	0.00	13	100	4:56p	30.02	:
7	67	35	0.00	0.00	4.42	0.00	9	98	4:49p	30.01	:
8	70	46	0.00	0.00	4.42	0.00	6	88	4:31p	29.98	:
9	65	56	0.01	0.01	4.44	0.00	12	35	3:35p	29.57	:
10	68	51	0.00	0.01	4.44	0.00	34	100	4:37p	29.47	:
11	59	48	0.00	0.01	4.44	0.00	31	99	4:47p	29.80	:
12	62	41	0.00	0.01	4.44	0.00	16	99	4:44p	30.01	:
13	59	37	0.00	0.01	4.44	0.00	13	100	4:39p	29.92	:
14	58	40	0.02	0.03	4.46	0.00	25	92	4:46p	29.78	:

Buttons: Prev Month, Next Month, Select Date, Select Station



NETWORK

The Network Icon gives you a network summary of the active stations you have accessed for information. Use the Prev Group and Next Group buttons to switch back and forth between the active groups you've downloaded information about. Print using Landscape Mode to get all the variables on paper.

Network Summary

Automated Weather Source FKES vs. The World Summary: 11/15/0
 Temp: dg F, Wnd: MPH, BP: in Hg, Precp: in

ID	Name	ST	Time	Temp	RH	DP	WB	Wind	BP	HiT	LoT	
DBLUECA	West Hill Second	ON	12:29	36	r 94	f 34	35	WNW 5	29.41	r 36	35	
SLVRS	Forest Knolls	ES	MD	12:07	39	s 59	r 26	34	W 5	29.89	f 39	39

Prev Group Sort Next Group

Select Column to Sort

<input checked="" type="radio"/> Station ID	<input type="radio"/> Wind Speed (Gust)
<input type="radio"/> Time	<input type="radio"/> Wind Speed (Avg)
<input type="radio"/> High Temp	<input type="radio"/> Precipitation (Day)
<input type="radio"/> Temp Outdoor	<input type="radio"/> Precipitation (Month)
<input type="radio"/> Low Temp	<input type="radio"/> Precipitation Rate
<input type="radio"/> Relative Humidity	<input type="radio"/> Light
<input type="radio"/> Barometric Pressure	

Sort in

<input checked="" type="radio"/> Ascending Order	<input type="radio"/> Descending Order
--	--

OK Cancel

Note also that you can SORT each of these stations in ascending or descending order based on any of the data columns:

Remember it's Apple Key + S to get back to the Station Manager from the Network Summary window.



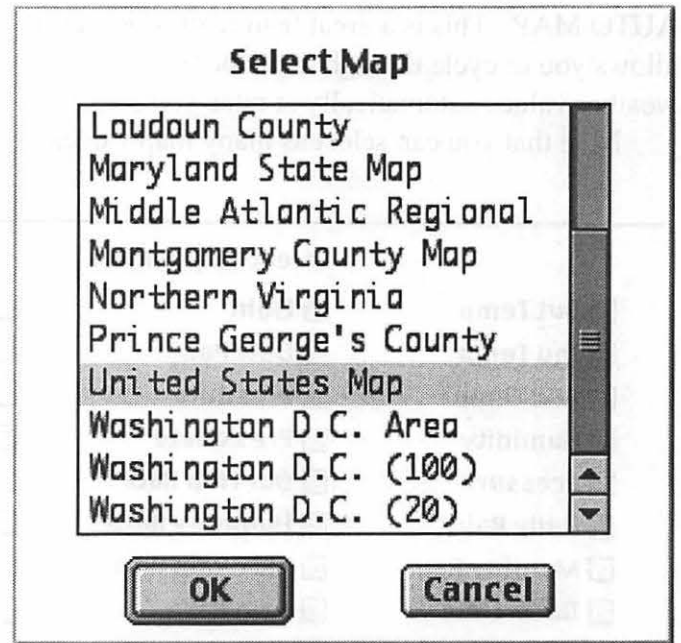
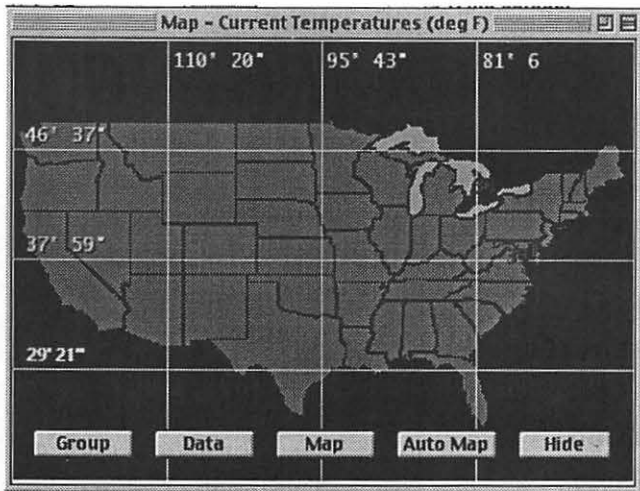
MAP

You can automatically plot many weather values on custom color maps. The MacMet software comes with maps keyed to the school's area - and other area maps can be purchased from AWS. Everyone gets a US map like this one:

Note the buttons along the bottom of the map:

GROUP: Select the Station Group you would like to plot. Remember however, that you'll have to use the U.S. map for areas outside the DC region.

DATA: This is where you select the data to show on your map.



Select Map Values

<input type="radio"/> None	<input type="radio"/> Light	<input type="radio"/> Wind Speed
<input checked="" type="radio"/> Out Temp	<input type="radio"/> Dew Point	<input type="radio"/> Wind Direction
<input type="radio"/> Ind Temp	<input type="radio"/> Wet Bulb	<input type="radio"/> Wind Gust
<input type="radio"/> Aux Temp	<input type="radio"/> Press Rate	<input type="radio"/> Wind Chill
<input type="radio"/> Humidity	<input type="radio"/> Out Tmp Rate	<input type="radio"/> Heat Index
<input type="radio"/> Pressure	<input type="radio"/> Humidity Rate	<input type="radio"/> High Out Temp
<input type="radio"/> Daily Rain	<input type="radio"/> Max Rain Rate	<input type="radio"/> Low Out Temp
<input type="radio"/> Monthly Rain	<input type="radio"/> Rain Rate	<input type="radio"/> Date/Time
	<input type="radio"/> Identifier	

Show mapping data no more than hours old.

Station Name Lat/Long Lines

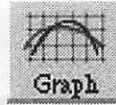
Note you have 24 variables to choose from. You can also choose to include the station's name, how old your mapping data should be and whether you want to see latitude and longitude lines. Note too you can only choose ONE value.

MAP: This button allows you to choose the map to display on the screen with the data you have selected.

The weather also offers a unique way to help teach students science, mathematics and much, much more. But how do you bring the weather "home" and personalize it for students. One possibility is with a unique program from a company in Gaithersburg, Maryland called AWS

AUTO MAP: This is a great feature of MacMet! It allows you to cycle through a number of the weather values automatically at rates you select:

Note that you can select as many map values



GRAPHING

The ability to compare the historical data you've downloaded from your active station selection or station group is one of the most powerful features of MacMet. Once you've downloaded the information, click on Graph. You'll get a new window that looks like this:

You can graph - and compare - up to four stations at a time.

Let's go through the buttons:

STATIONS: You will be presented with your currently selected group of stations.

Remember that active stations have checks

as you wish. As with the regular "Map" feature, you can choose to show the station name and the Latitude and Longitude lines, as well as how old the data is. You can also choose how long to display each of the values up to 99 seconds long. BUT if you display too much, the map gets very busy and in some cases - unreadable.

HIDE: Click here to hide the buttons. Click in the same area to show them again.

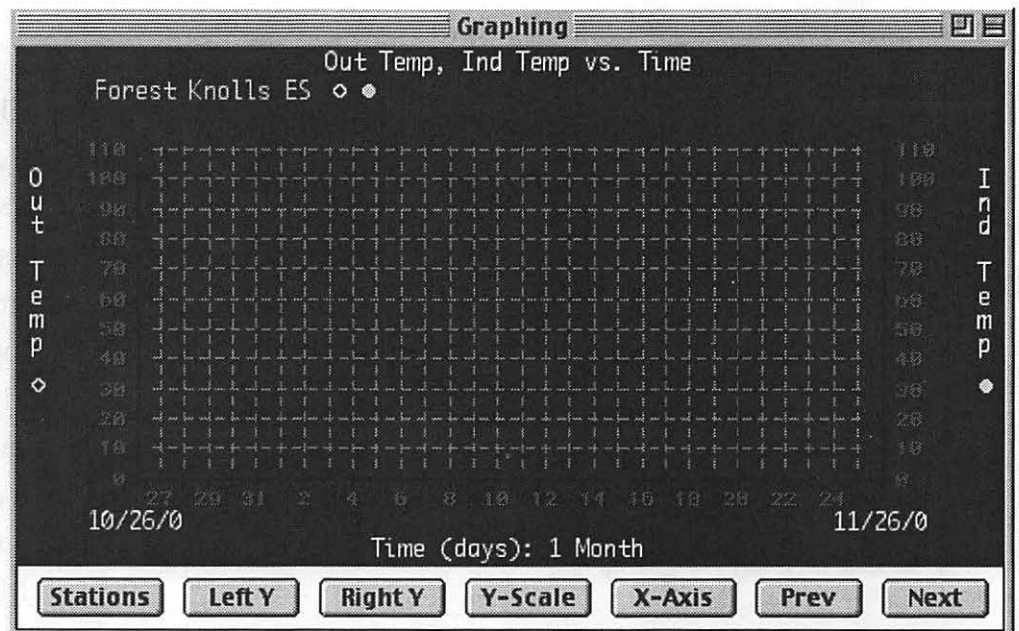
Select Map Values

- Out Temp
- Light
- Wind Speed
- Ind Temp
- Dew Point
- Wind Direction
- Aux Temp
- Wet Bulb
- Wind Gust
- Humidity
- Press Rate
- Wind Chill
- Pressure
- Out Tmp Rate
- Heat Index
- Daily Rain
- Humidity Rate
- High Out Temp
- Monthly Rain
- Max Rain Rate
- Low Out Temp
- Date/Time
- Rain Rate
- Identifier

- Station Name
- Lat/Long Lines

Show mapping data no more than hours old.

Display interval: seconds



by their name. If they don't, you can't download the data. To choose a station, just double-click on it or click once and hit RETURN.

LEFT Y: Click on this button to choose one of 16

hourly variables or one of 9 daily variables to be displayed on the y-axis of the graph:

RIGHT Y: As with the Y-Axis, click on this button for a similar window same options to be displayed

Choose Left Y-Axis Variables

Hourly Variables		
<input checked="" type="radio"/> Out Temp <input type="radio"/> Ind Temp <input type="radio"/> Aux Temp <input type="radio"/> Humidity <input type="radio"/> Pressure	<input type="radio"/> Light <input type="radio"/> Dew Point <input type="radio"/> Wet Bulb <input type="radio"/> Press Rate <input type="radio"/> Out Tmp Rate <input type="radio"/> Humidity Rate	<input type="radio"/> Wind Speed <input type="radio"/> Wind Direction <input type="radio"/> Wind Chill <input type="radio"/> Heat Index <input type="radio"/> Daily Rain
Daily Variables		
<input type="radio"/> Monthly Rain <input type="radio"/> Max Rain Rate <input type="radio"/> Record High Tmp	<input type="radio"/> Low Out Temp <input type="radio"/> High Out Temp <input type="radio"/> Wind Gust	<input type="radio"/> Avg Daily High <input type="radio"/> Avg Daily Low <input type="radio"/> Record Low Tmp
<input type="radio"/> None <input type="checkbox"/> Show Grid		
<input type="button" value="OK"/>		<input type="button" value="Cancel"/>

this time on the right Y-Axis. In this way, two variables can be plotted at the same time. Pretty smart, no?

Y-SCALE: Click on this button if you want to change the scales for both the left and right Y-Axis. Most of the time, you'll leave this in the default mode.

X-SCALE: The X-Axis represents time in your graph. With the X-Scale button, you can choose to plot weather data for a particular day up through a month (provided you have the historical data). Note you can also choose the exact date when to start the graph (see next page).

Choose X-Axis**Time Period**

- 1 Day 2 Days
 1 Week 1 Month

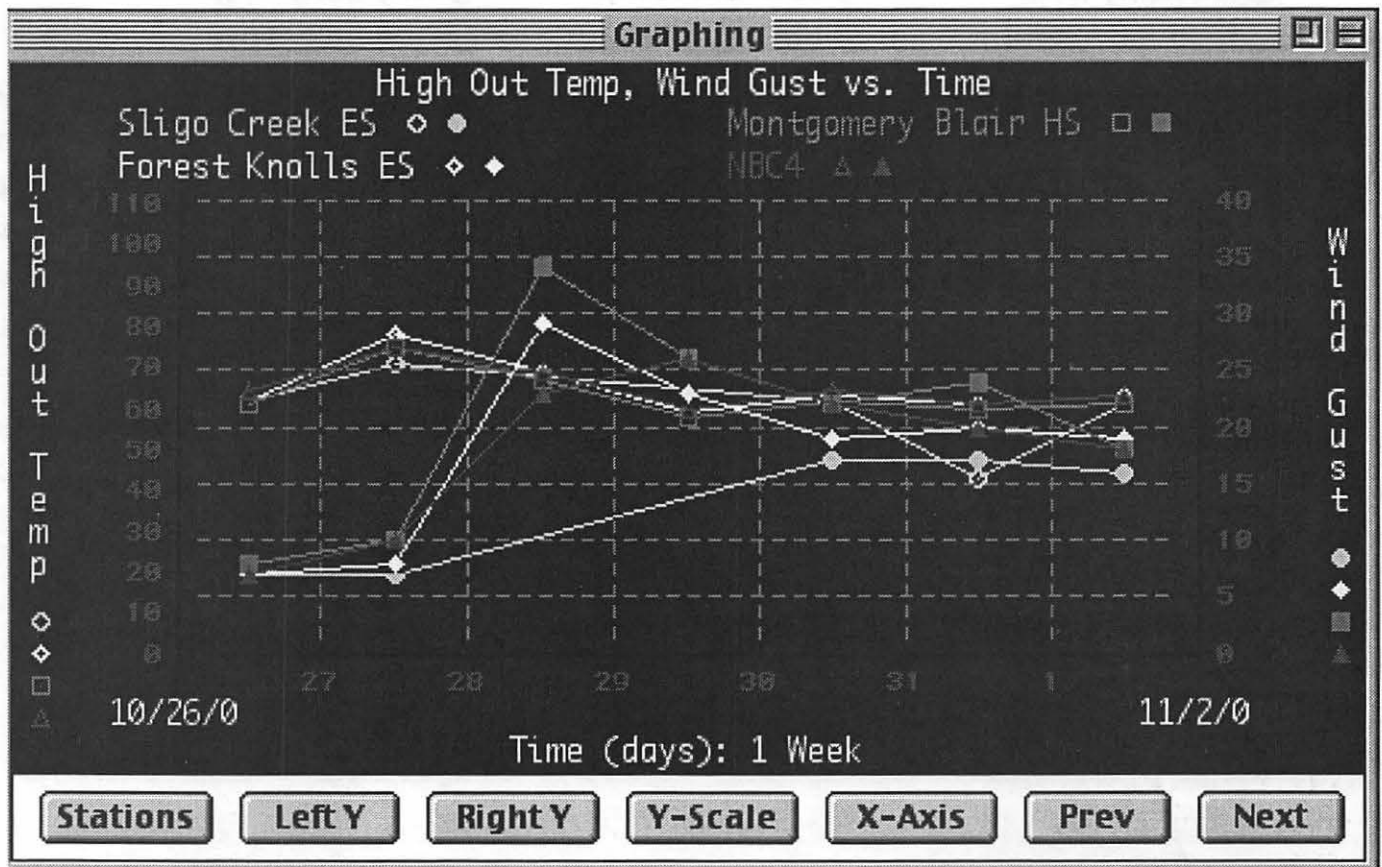
 Show Grid
Start Date

Date: **Month** **Day** **Year**

OK

Cancel

Let's take a look at one possible graph using historical data from the Group "FKES & Local Friends" The graph covers a week's period and compares 4 schools for high outside temperatures vs. wind gusts over a 1 week period. While interesting - graphing 4 schools makes things too busy and at times, confusing (below left).



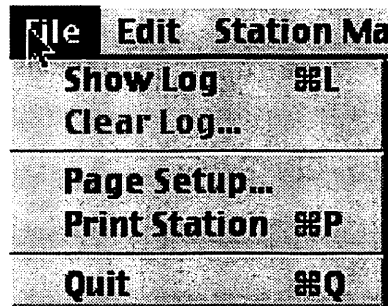
THE MENU BAR

We've already talked a little bit about the Menu Bar at the top of your Macintosh computer:



As with all Mac computers running OS 9 or earlier, the Apple icon on the left side opens to give you a quick guide to many of the programs or utilities on your Mac. It's the rest of the Menu items that hold some additional powers for you while using MacMet. PC-AirWatch offers similar capabilities from the Start Menu.

FILE

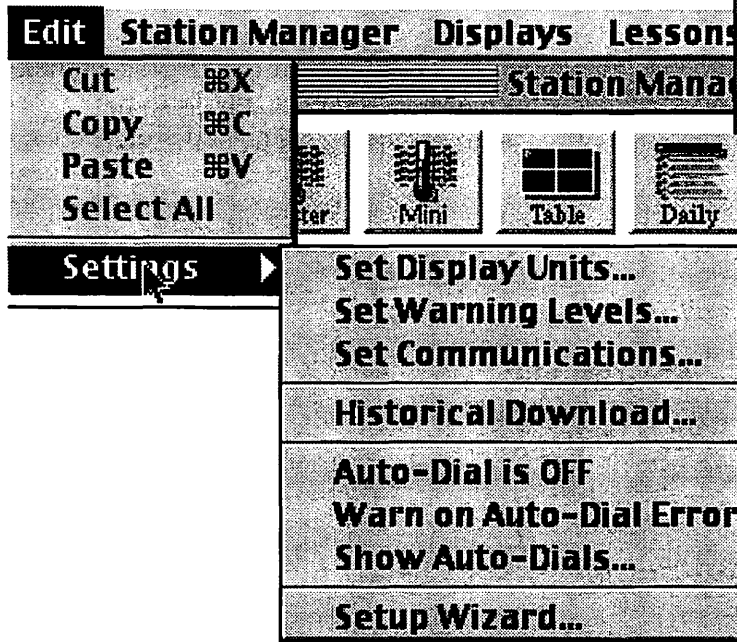


Show Log/Hide Log : Allows you to see what you've been doing in convenient location.

Page Setup/Print Station : As with all Macs, these queues let you setup your printer and then print. MacMET lets you print everything you want - but you might want to print in grayscale to save on color ink. Remember that printing in Landscape Mode may be required to get all the variables down on paper.

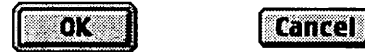
EDIT: Depending on where you are, you can do the normal Cut, Copy, Paste and Select All functions. But take a look at

Settings: Here you can Set your Display Units:



Display Units

- Time: 12 hr. 24 hr.
- Temperature: °F °C
- Pressure: In Hg mbar
- Wind Speed: mph km/hr Knots
- Rain: inches centimeters



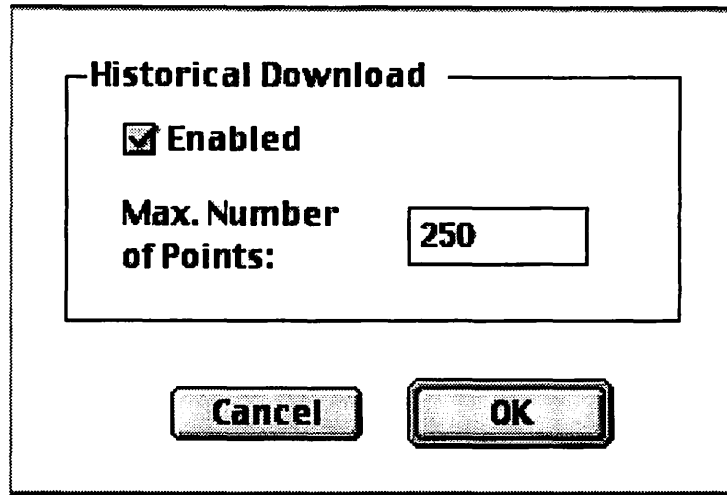
SET WARNING LABELS: You can decide when a setting is reached or exceeded so that the value label on the display will be outlined in red. See page 35 in the AWS Manual for the options available to you here.

Warning Levels

High Temp (Out)	<input type="text" value="85"/>	Low Temp (Out)	<input type="text" value="32"/>
Wet Bulb Temp	<input type="text" value="26"/>	Heat Index	<input type="text" value="100"/>
Wind Gust	<input type="text" value="50"/>	Wind Chill	<input type="text" value="5"/>
Rain Rate	<input type="text" value="0.01"/>	Rain Daily	<input type="text" value="2.00"/>
Low Bar Press	<input type="text" value="29.50"/>	Bar Press Rate	<input type="text" value="0.10"/>

SET COMMUNICATIONS : You should not have to touch this.

HISTORICAL DOWNLOAD: This is one of the most powerful features of MacMET and PC AirWatch. Enabled, this setting enables you to download up to four months worth of hourly data from AWS Weather Stations.



You can set the Maximum number of hours of past data that was logged by that station. In the above example, you would be able to download at most, 250 hours of past weather data. If you conducted an historical download already, you'll only download the data not collected the last go-round. For more information, see page 39 of the full AWS MacMET tutorial - as there are a number of settings that must be met before you can do an historic download.

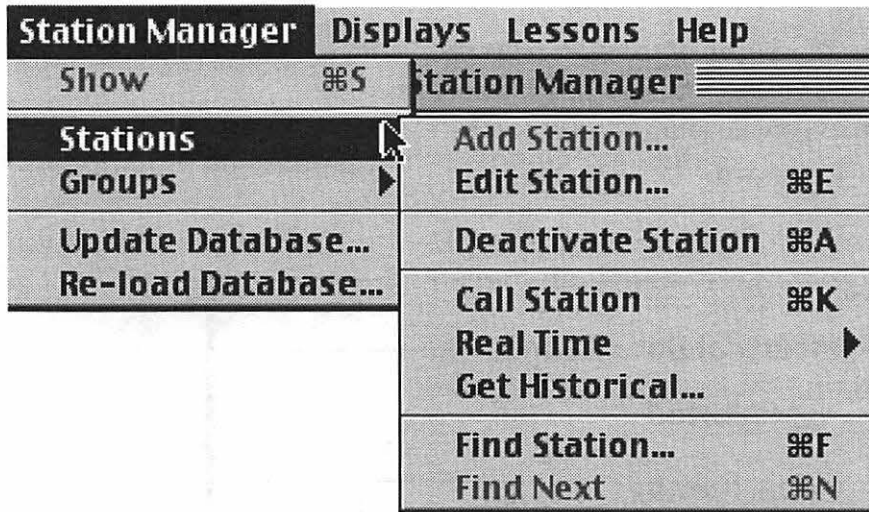
AUTO DIAL: Choose this to turn Auto Dial on, or off. On, you enable the feature that lets you automatically dial stations or a group of stations at preset times.

SHOW AUTO DIALS: Lists the auto dial sequences you've set up. See the AWS manual for more information.

SETUP WIZARD: Once setup, you should not need to use the Setup Wizard - it's helps to setup your MacMET software the first time it's used.

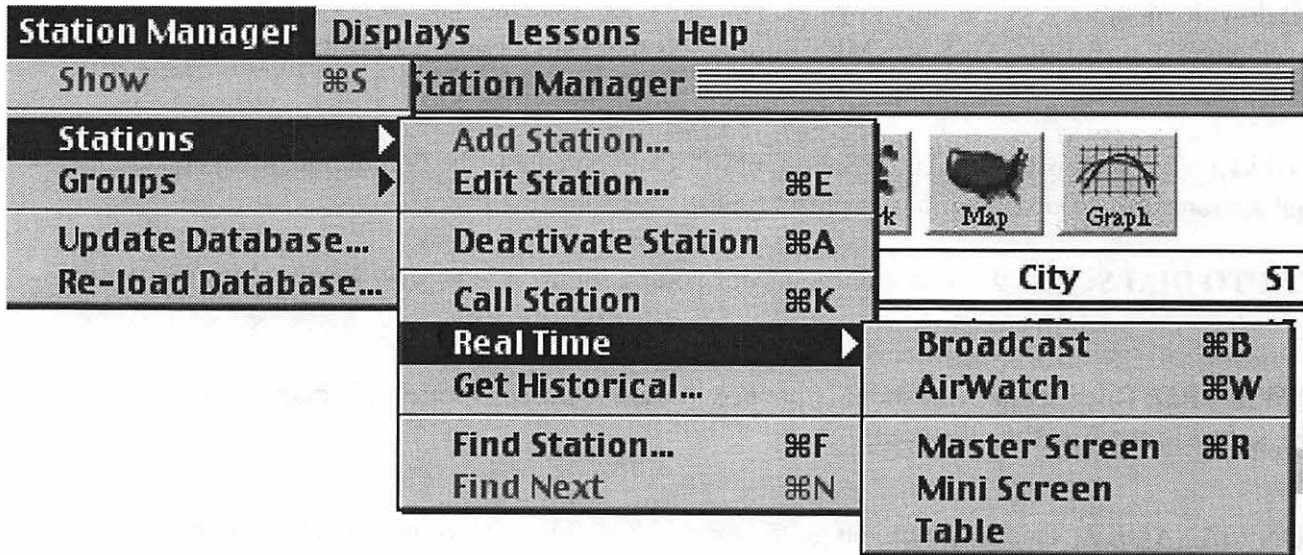
STATION MANAGER: This is where you go to work with stations or groups, as well as update or reload your AWS Database of stations.

- Show - brings back the Station Manager from many of the other windows you're working with.



-Stations: Depending on where you are, you can add, edit or deactivate a station (remember the check by the station name?)

Calling the Station enables you to contact an active weather station for real-time information. Note you can show that information in all the displays open to you in MacMET. Note too, that you can use keyboard shortcuts to make that information to you a little easier (this is true throughout the Menu Bar selections).



Get Historical is your gateway to obtaining information from an active station going back up to four months (provided the information exists). Click once on the station of your choice, then use your cursor to get to Station Manager->Stations->Get Historical. You'll see a new widow - that lets you decide how far back to go to get the historical information and the time:

Historical Data Last Accessed On:

Month		Day		Year
11	/	11	/	2000
Hour		Minute		
3	:	31		

Make your selection and click OK. MacMet will do the rest. Now that information is available to you throughout the program.

Finally - **Find Station** will find a station for you within the currently active group. Just type in any of the variables presented and if the station exists, you'll see it highlighted once you've clicked OK:

Station Search

Station ID:

Name:

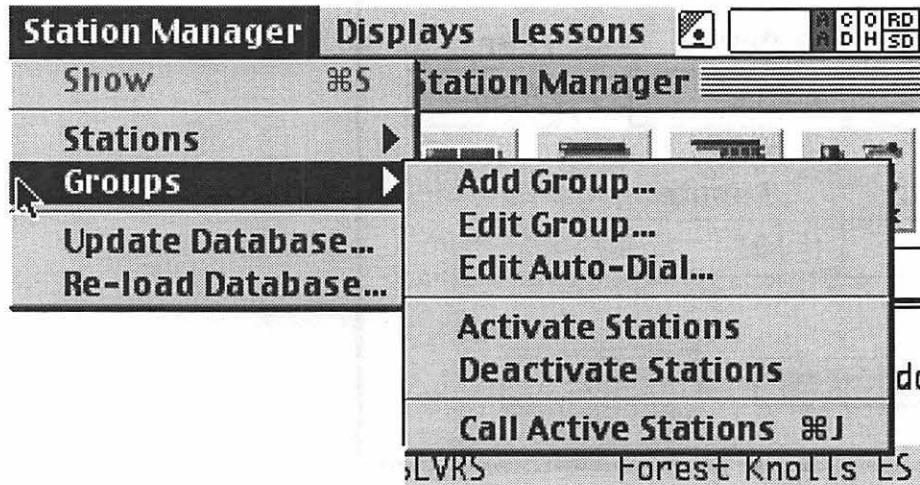
City:

State:

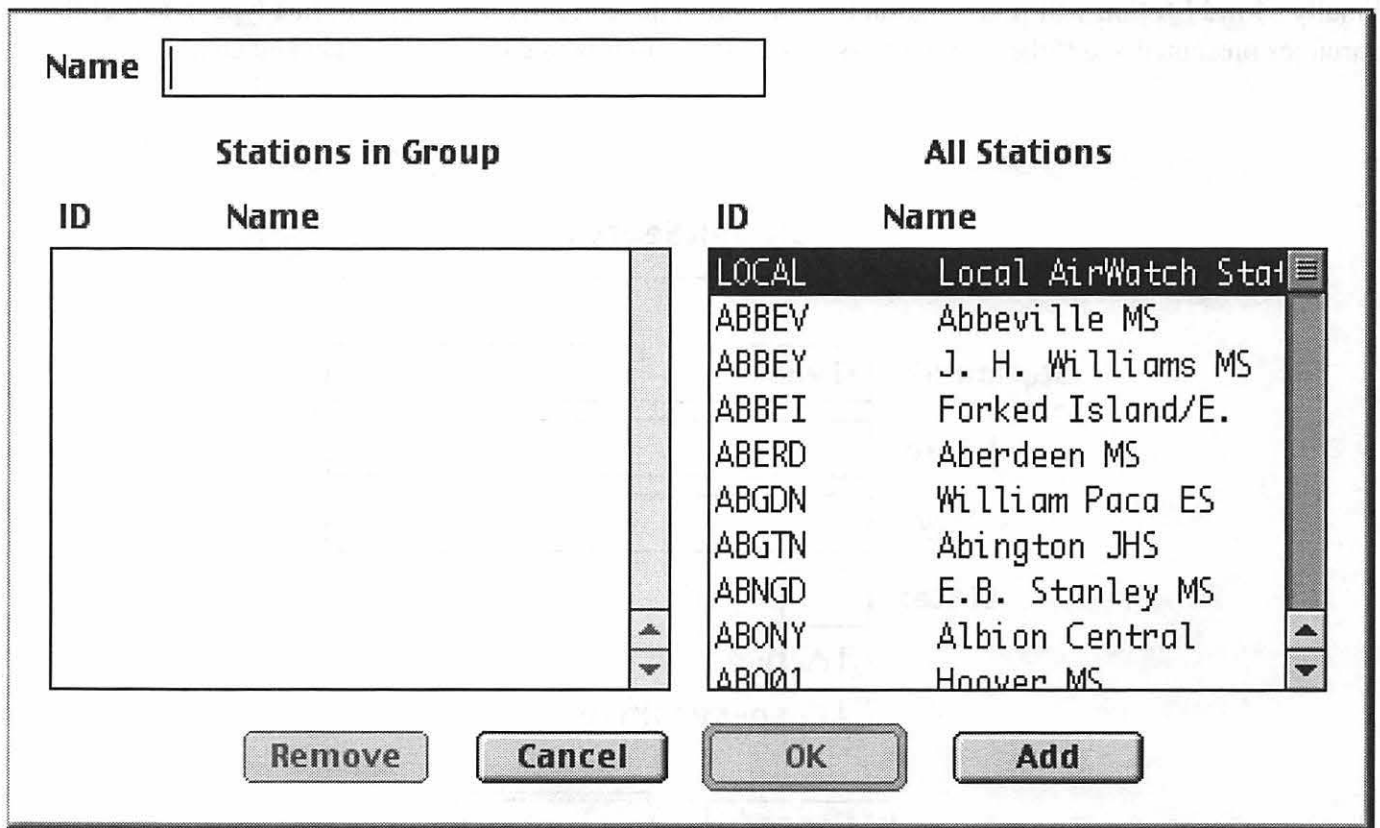
Active

Case-sensitive

From Stations we goto **Groups** - where you can manipulate groups of stations either from the TV Station groups or ones you've created:



This menu allows you to create your own groups with **Add Group**:



Give the Group a name, and then scroll down the list of stations. Click on the ADD button to move that station from the right side to your new list on the left. TIP: write down the ID of the stations you want ahead of time so you can scroll down more quickly to find them. The stations are in alphabetical order. If you make a mistake or don't want a particular station after all, click on the REMOVE button. When you're done, click OK and the new Group will be added to your master list of Groups - in alphabetical order.

By the way - note the first selection "LOCAL" - that's the school's weather station. You could also choose the school ID if you preferred. LOCAL only works at school, however.

The next selection allows you to edit any Group you've selected:

Name

Stations in Group		All Stations	
ID	Name	ID	Name
CBGSHGB	Alconbury HS	LOCAL	Local AirWatch Stat
DBLUECA	West Hill	ABBEV	Abbeville MS
HILOH	Kaumana ES	ABBEY	J. H. Williams MS
SLVRS	Forest Knolls ES	ABBFI	Forked Island/E.
		ABERD	Aberdeen MS
		ABGDN	William Paca ES
		ABGTN	Abington JHS
		ABNGD	E.B. Stanley MS
		ABONY	Albion Central
		ABO01	Hoover MS

Buttons: Remove, Cancel, OK, Add

This selection looks exactly like the last, save for the fact that it shows you all the stations in your selected Group. From this point, you can remove or add stations as you like. Note the stations are NOT listed in alphabetical order but rather the order in which you selected them. When done, click OK and you're finished.

Edit Auto Dial is a powerful tool for you to use if you want to update the data in your selected Group automatically.

If you decide to activate this feature, MacMET or PC AirWatch will automatically call and download the latest weather information from the active stations in your selected Group.

Note that you can set the days and time interval for this to happen and more importantly, you can even tell it to download historical data. Once you've made your selections, make sure the ACTIVE box is checked and then click OK. Remember you can change these selections at any time. Since our MacMet is connected to the MCPS network, this feature (if set) will work continuously until you change the settings.

ACTIVATE STATIONS/DEACTIVATE STATIONS

The next two selections will either activate all stations in your group - or deactivate all of them as you desire. Remember deactivated stations are ignored and MacMET or PC AirWatch will not download information from them.

CALL ACTIVE STATIONS: Calls all the active stations in the selected Group automatically.

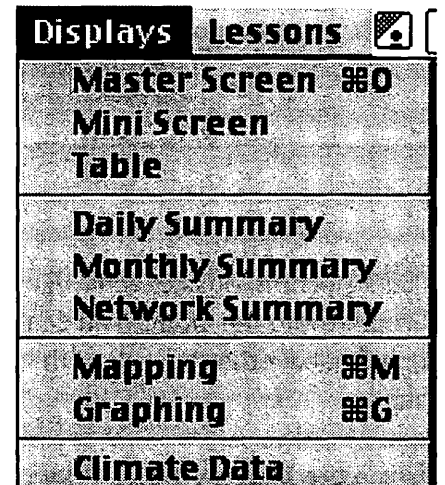
UPDATE DATA BASE AND RE-LOAD DATA BASE

The final two selections under **STATION MANAGER** in the Menu Bar allow you to download the latest group and station data base from AWS or refresh the current Station Manager information. If you choose Re-Load Database, however **YOU WILL DELETE ALL YOUR CUSTOM GROUPS**, so do this gingerly.

Updating the Data Base from the AWS server can take awhile - but it will then hold all the latest stations and groups that have been added since your last download. This function will **NOT** destroy your custom groups.

DISPLAYS allows you to review and display your station data in all the various forms we've talked about - from the Menu Bar. It's basically just another way to do what you can also do from the Station Manager icons.

The one new feature from this menu is **Climate Data** - which will let you look at monthly climate information (currently) from either Reagan National or BWI Airports.:



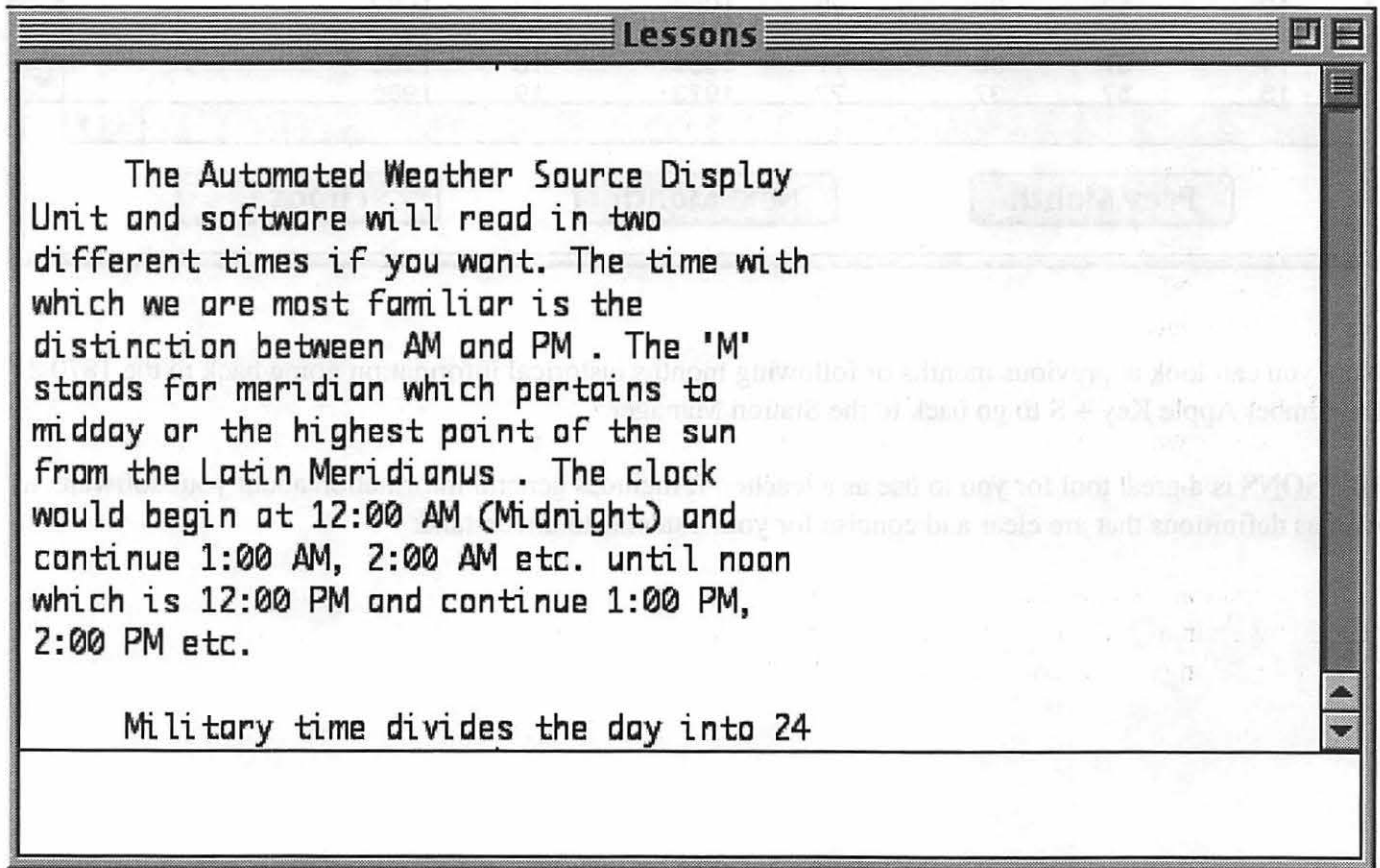
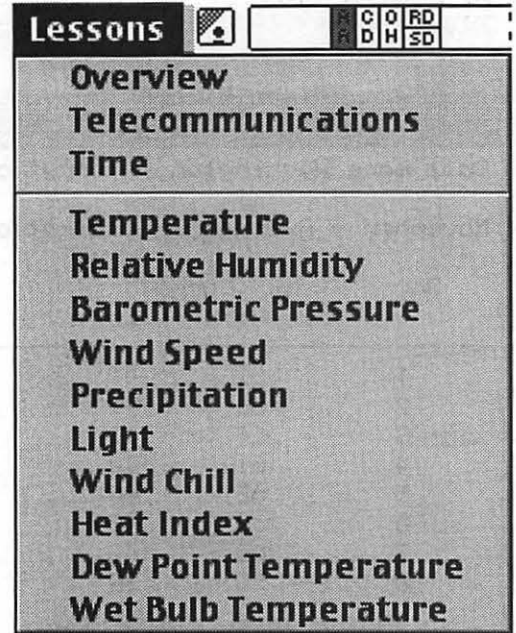
Climate Data						
Baltimore Washington International Airport						
November - Average Precipitation 3.31 in.						
Day	Normal		Record		Record	
	Hi	Lo	Hi	Year	Lo	Year
1	62	41	86	1950	29	1954
2	61	41	84	1950	29	1976
3	61	40	78	1990	25	1951
4	61	40	83	1974	22	1951
5	60	40	83	1961	26	1991
6	60	40	77	1978	22	1991
7	60	40	77	1975	22	1962
8	59	39	80	1975	24	1969
9	59	39	76	1986	25	1976
10	59	39	74	1975	27	1961
11	58	38	75	1985	21	1973
12	58	38	75	1964	18	1957
13	58	38	77	1955	24	1957
14	57	38	77	1989	18	1986
15	57	37	77	1973	19	1986

Note you can look at previous months or following months historical information going back to the 1870s! Remember Apple Key + S to go back to the Station Manager.

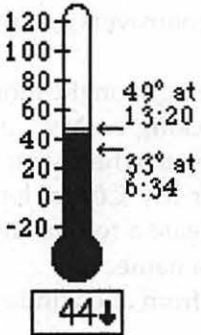
LESSONS is a great tool for you to use as a teacher. It includes general information about your software, as well as definitions that are clear and concise for your students to understand:

Overview, Telecom and Time contain general information:

The next selections from **Temperature through Wet Bulb Temperature** are used to help your students understand each weather variable using the real-time data you've downloaded.



Lessons
☐ ☐ ☐

<p style="text-align: center;">Temperature (F)</p> <p style="text-align: center;">Outside</p> 	<p>Forest Knolls ES in Silver Spring, MD ID: SLVRS, was last called on: 11/18/0 at 3:36 PM</p> <p>The most recent temperature reading was 44 degrees F at 3:36 PM At the time the temperature was falling.</p> <p>The high temperature reading was 49 degrees F at 1:20 PM</p> <p>The low temperature reading was 33 degrees F at 6:34 AM</p>
---	---

Show Text Prev St Next St

Again note that if you are working with a Group of stations, you can move from one to the next using the PREV ST and NEXT ST buttons. SHOW TEXT discusses each variable at length. All these lessons can be printed out for later use by you or your students.

FINALLY: MacMET and PC AirWatch gives teachers a powerful tool to use the weather as an integral part of their course work in many areas of science, math, reading and more. The program could, frankly, stand some polishing. But AWS does support the Mac and that ensures no matter what the platform, everyone is treated equally.

The information these weather stations gather helps provide all of us with better weather forecasts. And the fact that we can all access this information on the TV and the Internet helps make our lives a little bet better. How's that alongside baseball and Apple Pi? ■



Helping kids safely surf the Internet

(continued from page 46)

One example of a hardware firewall (although probably too expensive for the average home user) is from Sonicwall (www.sonicwall.com).

A couple of good software devices are The BAIR (www.thebair.com) and "CYBERSitter" (www.solidoak.com). Both of these were PC Magazine's Editors' Choice winners last year. The review is at www.zdnet.com/pcmag/stories/reviews/0,6755,2524260,00.html.

The major issue with any filtering system is the fact that these systems tend to throw the baby out with the bath water. This could cause difficulty in finding information on breast cancer, for example, because the filter may block anything connected with the word "breast."

Another problem is that we as parents have no idea what standards are being used to filter out the content with these products. We all want filtering, but what happens when someone decides to filter out "Jane Eyre," but in our household we want it? But you have to start somewhere.

The organization Peacefire (www.peacefire.org) describes itself as a "people for young people's freedom of speech." It represents the interests of people under 18 regarding the Internet content controversy. Peacefire has published software that claims to disable all the major content filtering software. Its site offers links and articles on sites blocked by these filtering programs. It is quite interesting to read and I recommend it to any parent who is considering filtering Internet access to get the full picture.

Question: I just installed a second hard drive on my computer, which I branched to my original hard drive. I am running Windows 98. How do I transfer files (particularly MP3 songs) from my original hard drive to my second hard drive to free up space on my original hard drive? Thank you. - Barry

Dave: Barry, I'm assuming that you mean you configured your new IDE drive as a slave to the master, or original, drive. I also assume you clicked on Start/Control Panels and went through the "add hardware" wizard so your system would recognize it (you didn't mention if there were any special drivers to install be-

forehand or if they were automatically installed during this process).

As you know, Windows gives hard drives and the like (CDs, disk drives, etc.) a letter designation. I assume that when you finished this exercise, your new drive had a new letter designation (like the "E" drive).

So from that point, it's simply a matter of copy and paste (as one example) to move the files.

Derek, anything I'm missing here? I think Barry should be able to copy his files from one hard drive to another without much controversy - if the PC is seeing both drives.

Derek: Dave, you're right on the money. It really is as simple as double-clicking on My Computer, clicking on Drive C: and going to where your files are. From there, open up another My Computer and your D: drive. If you need to create a folder, right-click select New, Folder and enter a name.

Just drag your files from one window to the other. Piece of cake. ■

Dave Ottalini is on the board of directors of Washington Apple Pi (www.wap.org), the Apple/Mac user group based in Rockville, Md. He is employed as a senior producer for CNN Newsource, the affiliate service of Cable News Network.

Derek Rowan is president of HLP Associates Inc. (www.hlp.net), a full-service computer, network and Internet firm serving businesses, headquartered in Falls Church, Va., and with offices in Washington, Baltimore and New York City.

For questions about home computer hardware, software or operation (no question is too simple or geeky), Dave and Derek can be reached by e-mail at doubleclick@jrnl.com; by snail mail in care of The Journal, 6408 Edsall Road, Alexandria, Va. 22312; or by fax at (703) 846-8366. While all questions and comments are welcome, they cannot promise individual responses.

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DoubleClick

Reader debates use of cookies

By Derek Rowan and Dave Ottalini

QUESTION: I just read a recent article in The Journal Newspapers you wrote entitled "A steady diet of cookies is OK for computer" [Feb. 14]. I disagree strongly with a number of your claims.

You state, "It is possible for software to ... track your computing habits, figure out what sites you've been to and more. It is possible, but it is unlikely." Yes it's possible, and it's being done today. And here's how.

Many Web sites, if not most, put up banner ads supplied by companies like DoubleClick.net, AdBureau.net and others. When you visit a site that displays such a banner ad, your computer is told to retrieve the ad from the advertising company's Web site. The first time this happens a cookie can be (and usually is) placed on your computer. This cookie can be used to uniquely identify you and your computer to the advertising company.

"So what?" you ask. Won't the Web browser restrict access to the cookie to the company that placed it there? Yes, but the company that placed the cookie there isn't the Web site you think you're visiting, it's the advertising company. If you go to a different Web site that uses the same banner ad company, that advertising company can retrieve its own cookie and get that unique number back. It can also retrieve the name of the Web site that requested the banner ad, and now the advertising company can track which of its clients' Web sites you're visiting, when, and how often.

So much for cookie security.

Why would anyone want to track this? The data is invaluable. Imagine an advertising company employee following you around to watch where you shop and how much time you spend in each shop. What merchant wouldn't give his left arm to learn more about the shopping habits of his customers? But there goes a little bit more of your privacy.

A little bit later you state "Remember reading about the ID chip on Intel processors? Everyone was up in arms

with fear of Intel being able to spy on them." No one was worried about Intel spying. Microsoft and other software companies, on the other hand, are worth worrying about. We've already seen that Microsoft was collecting such identifying numbers as part of its online software registration programs, along with your name, address, phone number, and the name of your first-born.

Even worse, Microsoft products were found to be including these identification numbers in documents produced using Microsoft products like "Word." By merely matching the number in the document with the number collected through the registration process, Microsoft would be able to tell who created and edited any document created with its tools. And Microsoft isn't the only company doing this - Real Networks was found doing this as well. Of course they all deny that they had any intention of using this information. Yeah. Right. You don't "accidentally" include capabilities such as this in software; that's like "accidentally" writing your Social Security number on a check. The only reason for adding code to collect such information is if you think you can use it, usually to make a profit.

Then you state, "If you have a network card, your computer already has a software-readable unique serial number. Don't worry." You seem to be implying that the existence of one potential unique number means that we shouldn't be concerned about the introduction of another. That's about the same as saying that there may be carcinogens in the air from car exhaust, so why worry about the big chemical plant they want to build down the street. Hopefully no one is this foolish.

Big Brother is watching, but it isn't the government. It's advertising companies. It's software giants. It's people who wouldn't think twice about selling your personal information for a profit. And there's no Constitution preventing them from doing it. - Reece R. Pollock, senior software engineer, CyberFlight Inc.

Derek: Reece is 100 percent correct with everything that he says. However, we disagree about the extent of this "problem." I fully understand, and in fact mentioned in the article, that companies like DoubleClick.net are watching your site usage to make advertising to you more effective. But DoubleClick.net doesn't really know who you are. You are nothing more than user "DX45987JH."

However, the possibilities ARE more ominous than this. Consider this scenario: Imagine that Amazon.com buys DoubleClick.net (the advertising company). Now Amazon can find out and MATCH your buying habits with your NAME - IF you have actually PURCHASED



from Amazon before. While this sounds scary, I personally believe it is a non-issue.

This is nothing new to capitalism. I'm sure all of us receive mail and phone solicitations. Where do you think they get your name? It's from purchases, credit bureaus, magazine subscriptions, surveys, etc. These solicitations are usually targeted to specific consumers who have shown some profile that indicates they might be interested in what is being sold.

Secondly, I believe Reece's comments could be interpreted to mean that cookies are not secure. Cookies are NOT evil.

As I mentioned, they in themselves cannot read any personal information contained on your hard drive. They cannot gain access to your credit card, e-mail or any other information UNLESS YOU PROVIDE IT TO THE WEB SITE. In almost all cases, the cookie just contains a unique ID number. Remember that cookies or other tracking mechanisms are necessary because of the stateless nature of the Internet.

As far as the spying on you is concerned, Reece suggests that we should be concerned about serial numbers in our software or hardware. His comments are valid, but unfortunately serial numbers in our software are here to stay. Microsoft has already committed to serial numbers in the new Office 2000 as a means to reduce piracy. Many other software programs contain a unique serial number. That serial number is available to any program that asks for it. In addition, all of us are identified by an IP address or other network address when we connect to the Internet. All of our surfing is logged by the Web server itself. The idea that you are anonymous when on the Internet is largely illusory.

I respect Reece's views. For those who agree, then the best solution is to not accept cookies and only provide your personal information to companies that you believe will not rent or sell your name and profile.

I stand by my opinion that cookies are nothing to worry about and it is OK to accept them. I personally don't care if the Web servers that I go to know that user "DX45987JH" went to sites www.abc.com and www.defg.com.

For more information on cookies, check out what the government thinks of them at www.ciac.org/iac/ulletins/-034.shtml and the cookie information site at www.cookiecentral.com. For an opposing view of cookies, check out www.junkbusters.com.

Dave: I knew Derek would get into trouble eating those virtual chocolate chip cookies. ...

I think Reece, along with other Web users, has a right

to be concerned about Internet security and who is watching them electronically. This is an issue that will not be going away anytime soon and discussion about it is healthy for us all. As users, we need to know what is going on and understand what the consequences can be. And while Reece raises some excellent concerns, I think that the e-industry has become sufficiently attuned to our concerns and is trying to address them. That doesn't mean all will. Frankly, with a Web that is worldwide, we are again at the mercy of many companies that work out of other countries with rules different from ours.

That's why we need to remain vigilant and careful about the sites we use and the information we hand out. DoubleClick.net and even Yahoo have been criticized of late about illegal data collection and monitoring via cookies - a major concern. You can turn off cookies in your browser or use applications to clean out the information in them. The trade-off is losing things like passwords and other information that may be required to log into a Web site (like My.Yahoo.Com). You, dear readers, will have to decide how important that is to you and your Web experience.

Frankly, Derek, cookies drive me crazy sometimes. I've tried the "ask me every time a cookie is set" selection on my browser and finally dumped it because I never got anything else done (a good indication of how many are set by any given Web site). I agree they are not evil, but it is still important that we know what is happening when they are set by a Web site into our browser. As with anything else these days, we need to be vigilant and speak up when we see something that concerns us - especially on something as relatively new as the Internet and World Wide Web. ■

Dave Ottalini is on the board of directors of Washington Apple Pi (www.wap.org), the Apple/ac user group based in Rockville, Md. He is employed as a senior producer for CNN Newsource, the affiliate service of Cable News Network.

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Classified advertisements can be placed by mailing copy to the business office of Washington Apple Pi, Ltd., 12022 Parklawn Drive, Rockville, MD 20852. Be sure to include your WAP membership number and indicate area codes with your phone numbers. Ads must be received by the ad copy due date listed in the calendar page for that month in order to be included in the appropriate issue. Any ads postmarked after that time will be included at the discretion of the editor. Cost is \$2.00/line (40 characters per line), maximum 12 lines. Members of Washington Apple Pi, Ltd., may place ads up to three lines at no charge. The editor reserves the right to refuse any ads deemed inappropriate.

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Wanted: Join our team of dedicated and professional Mac lovers as we serve the technology needs of businesses throughout metropolitan Washington, DC. Send us an e-mail describing yourself and what you WANT to do every day. Then tell us about your professional qualifications, specifically your experience helping people with technology and troubleshooting Macs in a networked environment. Send your resume to <macjobs@uptimeweb.com>. Visit our website at www.uptimeweb.com to learn more about Uptime Computer Services, Inc.

—**Apple Computer**—For all the jobs listed below please contact Emily Oakley <eoakley@apple.com> if you are interested. For other jobs offered at Apple Computer, Inc. please go to the web site <<http://www.apple.com/jobs/>>.

Please contact Emily Oakley at <eoakley@apple.com> for information and job descriptions for the Jobs listed below.

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k12 Web Content Manager
Senior Education Content Manager
Education Training Manager

—Others

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Java Marketing Manager
Partnership Mgr. - Creative Mkts.
Manager, Design & Print marketing
Developer Technical Support Manager
Java Developer Support Engineer
Digital Video Marketing Manager

Membership Application **New Member** **Renewal**

Please print or type:

Name _____ Company _____

Address _____

City _____ State _____ Zip _____ Email _____

Home Phone _____ Work Phone _____

(Must have for the TCS)

Occupation _____

Please answer a few questions for us regarding your computer use. Check the computers/equipment that you use on a regular basis.

- | | |
|--|--|
| <input type="checkbox"/> Apple II | <input type="checkbox"/> IBM, PC clone |
| <input type="checkbox"/> Apple II GS | <input type="checkbox"/> PowerBook |
| <input type="checkbox"/> Apple III (SARA) | <input type="checkbox"/> Centris (all) |
| <input type="checkbox"/> Mac Plus, SE | <input type="checkbox"/> Quadra (all) |
| <input type="checkbox"/> Mac SE30, Mac IIx | <input type="checkbox"/> Power PC/Mac |
| <input type="checkbox"/> Mac LC (series) | <input type="checkbox"/> G3 |
| <input type="checkbox"/> Mac II | <input type="checkbox"/> iMac |
| <input type="checkbox"/> Performa (all) | |
| <input type="checkbox"/> Other _____ | |

WAP has many Special Interest Groups (SIGs) and Regional Groups (SLICES). Please check each group you would be interested in.

- | | |
|--|---|
| <input type="checkbox"/> Annapolis Slice | <input type="checkbox"/> Graphic SIG |
| <input type="checkbox"/> Columbia Slice | <input type="checkbox"/> NOVA/Educators SIG |
| <input type="checkbox"/> Delmarva Slice | <input type="checkbox"/> Game SIG |
| <input type="checkbox"/> Frederick Slice | <input type="checkbox"/> QuickTime SIG |
| <input type="checkbox"/> Disabled SIG | <input type="checkbox"/> Retired SIG |
| <input type="checkbox"/> Excel SIG | <input type="checkbox"/> Stock SIG |
| <input type="checkbox"/> FileMaker SIG | <input type="checkbox"/> Women's SIG |
| <input type="checkbox"/> Genealogy SIG | |
| <input type="checkbox"/> I can serve as a
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Please circle Yes or No for the 2 items below.

1. Please leave my name on the Pi mailing list. (The list never leaves the office and all mailings are supervised by the Pi staff.)

Yes No

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Yes No.

*Please enclose photocopy of current student ID.

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Applicant signature and date

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■ you want to get smart about how to do things with your Mac;

■ you've updated your operating system or purchased lots of new attachments. Now you need the newer drivers to get them working;

■ you know that your existing utilities are getting out of date and want the new versions;

You could go out and pluck that stuff out of the ethers — or let “Pi Fillings- The CD” do it all for you.

And all that in one little CD -- what will the Pi think of next? Stick around!



How to get it: *Pi Fillings—the CD, version 8 is available for \$10 at Pi General Meetings, or for \$12 via snail mail. Call the Pi office at 301-984-0300 and place an order, or send a check to the Pi office. You can also place an order over the Internet by visiting the Pi store at <http://store.wap.org>*

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