

October 1993

\$2.95

The Journal of Washington Apple Pi, Ltd.

# WASHINGTON APPLE PI

The logo is a stylized map of Washington state, filled with vertical orange and white stripes. It is positioned to the left of the main title, with the letter 'A' in 'APPLE' overlapping it.

Volume 15, Number 10

*Artists on  
Exhibit*

**18**

*Graphic  
Tips*

**20**

*System 7.1—To  
Upgrade or Not*

**23**

A stylized illustration in shades of orange and white. It shows a person sleeping in a bed with a white pillow and blanket. On the wall above the bed is a power outlet with a cord plugged in. The background features architectural elements like a headboard and a lamp.

Great print quality.

Great price.

# Great.



The HP DeskWriter.  
\$365.

It looks like laser printing. But it's priced like a dot matrix. It could only be a DeskWriter black and white printer from Hewlett-Packard.

The HP DeskWriter for Macintosh uses HP's exclusive inkjet technology for laser-sharp text and graphics. The kind of print quality and speed you expect from HP. At a price you have to see to believe.

For just \$365\* you get high-quality, water-resistant print output, compatibility with most popular software, and HP's three-year limited warranty, the longest in the industry. Now the only thing you could possibly want is the name of your nearby authorized HP dealer. To get that too, just call 1-800-552-8500.†

## LOOKING GOOD FOR LESS.

As the price of doing business continues to rise, it's important to keep costs down whenever possible. But, as we all know, part of being a successful company is looking like a successful company. That's why maintaining a high-quality image for your business should always be a top priority.

### How to raise your image while lowering your costs.

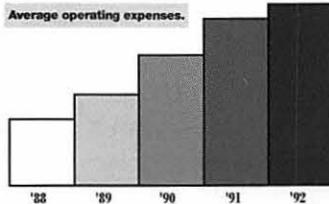
Presenting an image of quality for your company can be far more affordable than you think. You don't need a huge budget or expensive equipment. Just keep in mind that a positive image starts

at the lowest level. From the smallest inter-office memo, right up to the most important client correspondence.

### The simple, professional look.

Your company's correspondence should be clear and concise at all times. But the real benefit comes when you combine clarity with a clean, professional look. There's little or no added expense in making sure your company's documents have a consistently high-quality look and feel. That way, making your company look good becomes more of an attitude. And less of an expense.

Average operating expenses.



See what you can do.

DeskJet Printers  
Make it happen.

 HEWLETT  
PACKARD

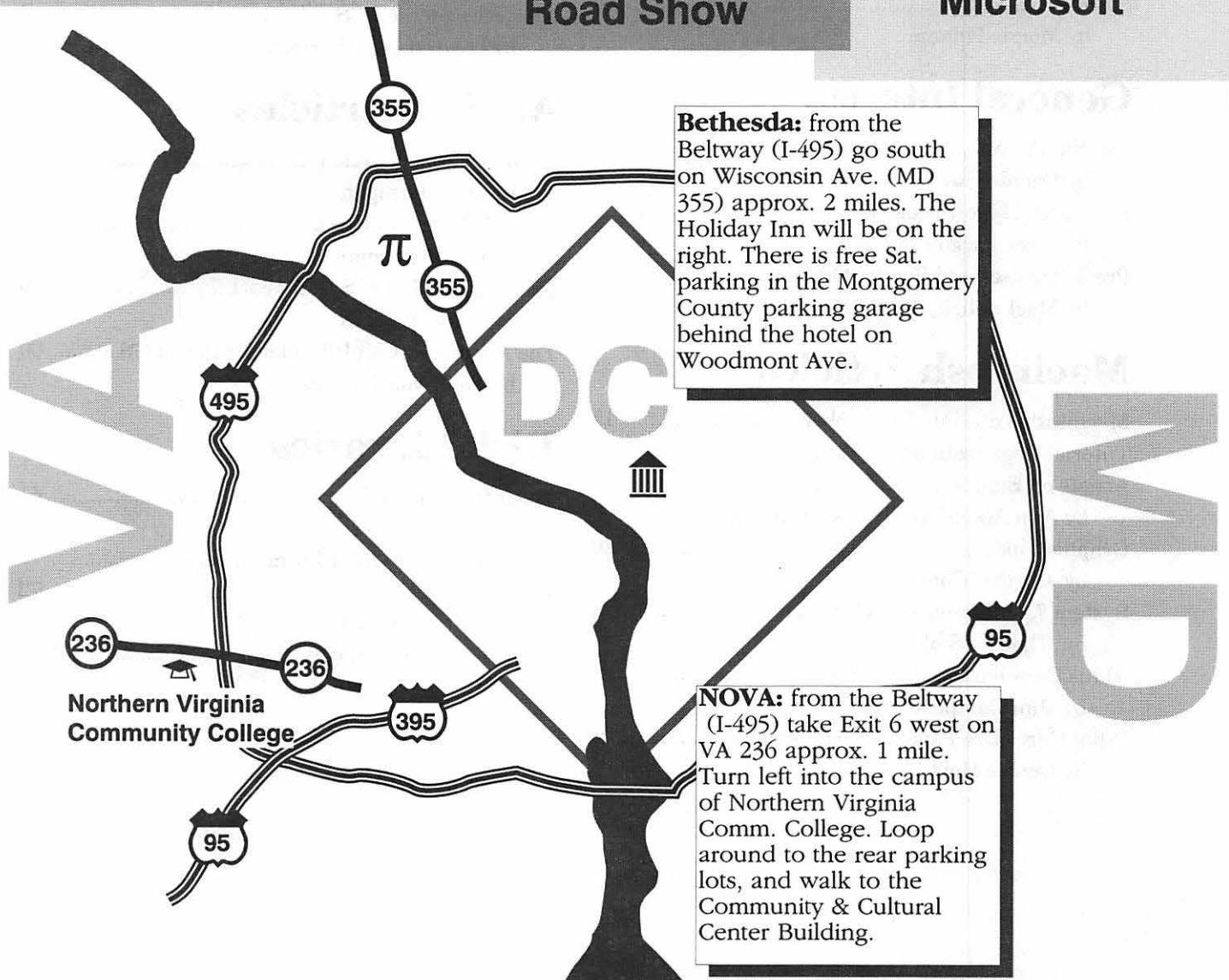
# Washington Apple Pi General Meeting

**4th Saturday • 9:00 a.m. • Sept. & Nov.:** Community & Cultural Center  
Northern VA Community College, 8333 Little River Turnpike, Annandale, VA  
**Oct.:** Holiday Inn, 8120 Wisconsin Ave., Bethesda, MD

Sept. 25, 1993  
Casady & Greene  
**NOVA**  
Mannesmann  
Tally

Oct. 23, 1993  
Ares Software  
**Bethesda**  
Apple's Newton  
Road Show

Nov. 20, 1993  
Hewlett-Packard  
**NOVA**  
Microsoft



**Bethesda:** from the Beltway (I-495) go south on Wisconsin Ave. (MD 355) approx. 2 miles. The Holiday Inn will be on the right. There is free Sat. parking in the Montgomery County parking garage behind the hotel on Woodmont Ave.

**NOVA:** from the Beltway (I-495) take Exit 6 west on VA 236 approx. 1 mile. Turn left into the campus of Northern Virginia Comm. College. Loop around to the rear parking lots, and walk to the Community & Cultural Center Building.

# Table of Contents

Volume 15 ..... October 1993 ..... Number 10

## Club News

WAP General Meeting Map .....	1
WAP Hotline .....	39, 42
WAP Calendar .....	40, 41
Index to Advertisers .....	7
Classified Advertisements .....	79
WAP Membership Form .....	80

## SIG's and Slices

Stock SIG .....	6
by Morris Pelham	

## General Interest

...in the Pi Pan .....	5
by Debbie Hoyt	
Beginning HyperSpeak: The E's .....	7
from the Jargon File	
Press Releases and Special Offers .....	11
by MacPublicity Network	

## Macintosh Articles

Macintosh Tutorials for October .....	15
Tutorial Registration Form .....	17
Artists on Exhibit .....	18
by Ann Aiken/ Art by Jessie Nichols	
Graphic Tips .....	20
by Carol O'Connor	
System 7.1 : Should You Upgrade? .....	23
by Thomas Siblo	
Aldus Personal Press, Version 2.0 .....	26
by Jim Campbell	
What Can I Use PaperTemplates For? .....	28
by Debbie Hoyt	

Rumors, Wishes & Blatant Lies .....	32
by Thomas Siblo	
Macintosh Mini Reviews .....	34
for CD-ROM ToolKit, DupLocator, PosterWorks, Shadow Wrist Rest, Bailey's Book House	
Quicken Update .....	37
by Ralph Begleiter	
The Emperor's Game / Software Review .....	44
by David Oliver	
New Files on the TCS .....	47
by Lawrence I. Charters	

## Apple II Articles

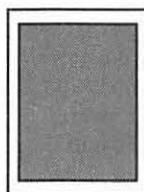
By Way of Introduction .....	50
by Joan Jernigan	
Apple II Byts and Pyces .....	51
by Gary Hayman	
Updating to GS/OS System 6.01 .....	56
by Gary Hayman	
The Manager: A MultiFinder for the II GS .....	60
by Peter van Dongen	

## Disk Libraries

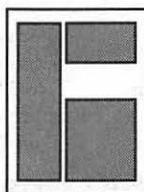
Macintosh Disk Library .....	61
by Dave Weikert	
Macintosh Disk Order Form .....	71
Apple Disk Library .....	72
by John Ruffatto	
Apple Disk Order Forms .....	74-78

# Advertising in the Journal

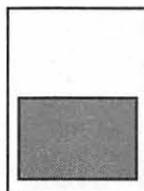
## Some Orientation Possibilities



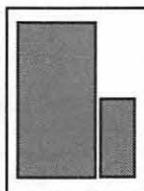
Full Page  
7.5" x 10.0"



Third Page (vert.)  
2.5" x 9.5"  
Sixth Page (hor.)  
5.0" x 2.5"  
Third Page (hor.)  
5.0" x 4.75"



Half Page  
7.5" x 4.75"



Two-thirds Page (vert.)  
5" x 9.5"  
Sixth Page (vert.)  
2.5" x 4.75"

No. of times ad runs	1-2	3-5	6-11	12+
Full Page	\$450	\$383	\$338	\$270
Covers	\$550	\$468	\$413	\$330
Two-thirds Page	\$360	\$306	\$270	\$216
Half Page	\$300	\$255	\$225	\$180
Third Page	\$225	\$191	\$169	\$135
Sixth Page	\$125	\$106	\$93	\$75

Special guaranteed positions incur a 10% surcharge.

### Ad Deadlines

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

Copy may be received as traditional mechanicals, re-paper, velox prints, or film negatives. Negatives will incur an additional \$15.00 strip-in charge.

## Washington Apple Pi

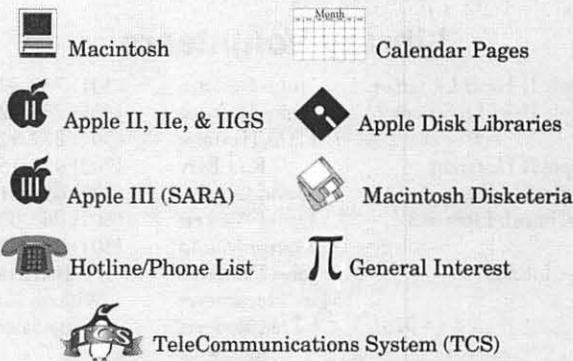


This issue of the Washington Apple Pi Journal was created on a Mac IICI, proofed on a newgen TurboPS/880p printer, and produced by electronic typesetting at The Publishers Service Bureau.

The page layout program used was PageMaker 4.2a, the word processing program was Microsoft Word 5.1; the principal typeface is New Century Schoolbook (10/12) for the articles; and Helvetica for headlines, subheads, and emphasis.

**Cover Design:** New 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.

### Icon Guide



### Editorial Staff

#### Apple II co-Editors

Stan Palen (703) 775-7027  
Jack Mortimer (804) 224-0609  
Seth Mize (410) 766-1154

#### Art Editor

Anne Aiken (301) 530-1990

#### Calendar Editor

Bill Wydro (301) 299-5267

#### Mac Editorial Consultant

Rick Zeman (301) 498-5311

#### Mac Software Liaison

Lawrence Charters (410) 730-4658

#### Managing Editor

Deborah Hoyt (703) 450-0714

### Deadlines

#### Writers' submissions

November ..... Sept. 15  
December ..... Oct. 14

#### Editors' submissions

November ..... Sept. 23  
December ..... Oct. 22

#### Ad space reservations

November ..... Sept. 17  
December ..... Oct. 18

#### Camera-ready ad copy

November ..... Sept. 25  
December ..... Oct. 26

### Postal Information

Washington Apple Pi (ISSN 1056-7682) is published monthly by Washington Apple Pi, Ltd., 7910 Woodmont Avenue, Suite 910, Bethesda, MD 20814. Second Class Postage paid at Bethesda, MD.

Annual membership dues for Washington Apple Pi, Ltd., are \$32; of this amount \$24 is for a subscription to the Washington Apple Pi Journal. Subscriptions are not available without membership.

**POSTMASTER:** Send address changes to Washington Apple Pi, 7910 Woodmont Avenue, Suite 910, Bethesda, MD 20814.

Change of Address should reach us 60 days in advance of the move to ensure that your Journals continue uninterrupted.

## Officers and Board of Directors

President	Lorin Evans	(202) 543-1248
Vice President-Apple	Joan Jernigan	(703) 822-5137
Vice President-Mac	Lawrence Charters	(410) 730-4658
V.P.-Administration	Tom Witte	(703) 683-5871
V.P.-Community Affairs	Joan Jernigan	(703) 822-5137
Treasurer	Charles Froehlich	(410) 889-9395
Secretary	Grace Gallagher	(703) 222-4570
Directors	Ken De Vito	(703) 960-0786
	Anson H. (Bill) Geiger	(703) 237-3614
	Jon Hardis	(301) 330-1422
	Dana Schwartz	(301) 725-6281
	Bob Shaffer	(301) 384-3724
	Paula Shuck	(410) 740-5255
	Jon Thomason	(301) 951-9631
	Tom Vier	(703) 860-4810
	David Weikert	(301) 963-0063
	Tom Witte	(703) 683-5871
	Bill Wydro	(301) 299-3592

## Office Staff

Office Manager	Beth Medlin
Office Staff	Ambrose Liao (Tuesday nights only)
	John Ruffatto (Saturday)
	Phil Shapiro (Mon., Tues., & Thurs.)

## Library Volunteers

Apple II Head Librarian	John Ruffatto	(301) 735-4259
Apple IIGS Librarians	John Ruffatto	(301) 735-4259
	Chris Hutmire	(301) 871-1203
Apple II Librarian	Ron Evry	(703) 490-1534
Apple III Librarian	David Ottalini	(301) 681-6136
Macintosh Librarian	David Weikert	(301) 963-0063
	Martin Milrod	(301) 464-5981
Mac Library	John DeMarco	Ben Frank
	Mary Hockmeyer	William Jones
	Fred Rodgers	Tony Salerno
	Joe Swick	

### Washington Apple Pi, Ltd.

7910 Woodmont Avenue, Suite 910  
Bethesda, MD 20814  
Business Office (301) 654-8060  
Telecommunications System (301) 986-8085

Office hours: Mon.-Sat. 10-2:30'  
Tues. 7-9pm

The office will open at 1pm on  
the day of the General Meeting

## Volunteers

Head Reading Lib.	Brian Mason	
Dealer Relations Comm.	John Alden	(202) 686-1656
	Harvey Kaye	(301) 299-8994
Legal Counsel	Richard Wohltman	
Membership	Dana Schwartz	(301) 654-8060
SIG's & Slices Coord.	Bob Shaffer	(301) 384-3724
Journal Store Distribution	Teresa Drag	(301) 897-5103
Telecom SysOp	Paul Schlosser	(301) 831-9166
Volunteer Coordinator	Tom Witte	(703) 683-5871

## SIG Chairs

<b>Annapolis Slice</b>		
President	Richard MacLean	(410) 721-8157
V. President	Phil Scheel	(410) 761-4260
Secretary	Jeff Straight	(410) 643-0868
Treasurer	Mel Benson	(410) 647-6873
Membership	Bill Derouin	(410) 647-0802
Mac Programs	Lloyd Olson	(410) 544-1087
	Sandy Bozek	(410) 849-5232
	Seth Mize	(410) 766-1154
Apple II Programs		
AAS Membership InfoLine		
Disk Lib., Apple	Seth Mize	(410) 766-1154
Disk Lib., Mac	Paul Paluzzi	(410) 674-3181
CRABBS BBS		(410) 315-8532
AppleWorks	Gary Hayman	(301) 345-3230
Apple IIGS	Gary Hayman	(301) 345-3230
Art SIG	Joe Morey	(703) 281-5385
<b>Columbia Slice</b>		
President	Ellen Baniszewski	(410) 730-4891
Co-V. President, Mac	Ramesh Sardana	(410) 992-9884
Co-V. President, Mac	Tim Helsing	(410) 730-7272
V. President, Apple II	Tom Cook	(410) 995-0352
Editor, Macintosh	Lawrence Charters	(410) 730-4658
Editor, Apple II	Andy Wakshul	(410) 997-0156
Treasurer	Tom Cowley	(410) 730-2319
BBS SysOp	Henry Yee	(410) 964-3706
Disk Librarian, Apple	Bill Campbell	(410) 997-9317
Disk Librarian, Mac	Tim Childers	(410) 997-9317
CADSIG	Jeff Sutton	
Database SIG	Eric Gutsche	(703) 379-1265
DisabledSIG	Jay Thal	(202) 244-3649
Desktop Publishing SIG	Tom Piwowar	
EDSIG	Phil Shapiro	(202) 686-5465
Excel SIG	Dick Byrd	(703) 978-3440
<b>Frederick Slice</b>		
President	J. Russell Robinson	(301) 739-6030
V. President	Peter Alvestad	
Sec./Treas.	Mike Dalrymple	(301) 203-4145
GameSIG	Mike Dickman	(703) 525-2410
HyperTalk	David Mudd	(703) 683-1746
Mac Programmers	Nancy Byrd	(703) 978-3440
	Bruce Jacobs	(301) 439-7812
	Ed Moser	(301) 924-1573
Music SIG	Pat Fauquet	(703) 550-7423
NOVA Educators SIG	Ted Meyer	(703) 893-6845
PI-SIG		
QuickTime SIG	Ambrose Liao	(301) 530-3255
StockSIG	Morris Pelham	contact on TCS
Telecomm. SIG	Allan Levy	(301) 340-7839
Three SIG	David Ottalini	(301) 681-6136
	Paul Campbell	
UltraMacros SIG	Gary Hayman	(301) 345-3230
Women's SIG	Ann Aiken	(301) 530-1990

© COPYRIGHT 1993, by WAP, Washington Apple Pi, Ltd. User groups may reprint without prior permission any portion of the contents herein, provided proper author, title, and publication credits are given, except in cases where the author has reserved copyright permission. In these cases, the author should be contacted directly. Please send a copy of the article as printed to Washington Apple Pi; 7910 Woodmont Ave., Suite 910; Bethesda, MD 20814.

## ...in the Pi Pan

by Debbie Hoyt

**A**t last it's here—our new TCS. Our Mac File Master, Lawrence Charters, who has been transformed into Mac File Penguin (no doubt with the aid of multimedia software), has been introducing us to the wonders of TCS:TNG (TCS: The Next Generation) in the last two issue. Some might suggest that in view of the fact that TCS:TNG did not get up and running for us average users until August 21 that Lawrence was jumping the gun, but I say that that is not so. He was building anticipation in our hearts and minds for the new system. And boy did it work! TCS:TNG is so busy that many times during the day and especially in the

evening it is virtually impossible to get online even though there are two more phone lines now.

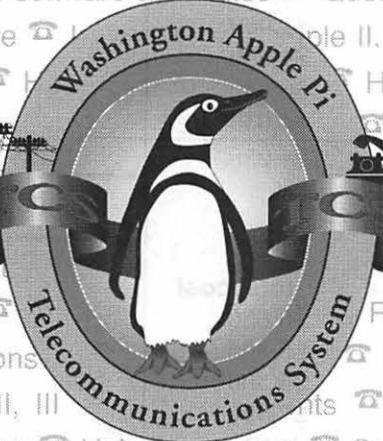
I am informed that most of those who are logging on are spending the majority of their time downloading, instead of posting, reading and answering messages. Not surprising considering the incredible number of new files available for downloading. I'm sure that once everyone gets his fill of new files (or his/her hard drive gets its fill) then things will return to normal. Of course, that could take six months or more, considering all of the new files that Rick Zeman and Lawrence Charters made available to us.

Our thanks and congratulations

go to the TCS Committee: Paul Schlosser, Dale Smith, Jon Hardis, Jon Thomason, Lawrence Charters, Rick Zeman, Ken DeVito, Dave Harvey, Harvey Kaye, David K. Page, Lou Pastura, Nancy Seferian, Bill Waring and Dave Weitzberg. Without their time and devotion, we not have the new system, so please be sure to let them know that you appreciate their efforts on behalf of the membership.

While I'm mentioning extraordinary accomplishments by our members, I'd like to draw you attention to the Honorable Mention that our own Bill Baldrige won for his software utility Vendor DA as reported in the October MacUser. Congratulations Bill. For those of you who don't know, Vendor DA is a ShareWare database which lists 857 vendors of Macintosh and Mac-related products along with their phone and fax numbers, addresses and even technical support numers. Quite handy.

And, finally, a note to clear up some confusion from last month. In the Election Update posted on this  
*(Continued on page 59)*



**Tele-Communications System**  
**Washington Apple Pi's "24-hour General Meeting"**  
**Call (301) 654-8060 for registration, passwords**  
**12 lines, supporting 300/1200/2400/9600 bps modems**



## StockSIG

by Morris Pelham

When to buy, that is the question!

Last year at this time, we were in the process of deciding whether to follow the Beating the Dow strategy for 1993. Mark Pankin brought in his Excel spreadsheet with his results so far in 1992, and they looked good. The book (*Beating the Dow* by Michael O'Higgins with John Downes, 1991) instructs readers to select the stocks on the last trading day in December and then buy them early in January.

But I knew that the "January effect" had been sending prices up be-

ginning early in December, not January, for several years. So, I decided to buy a little early. One of our goals is to buy low and sell high.

It worked! Prices hit their lows in October and November and were about 6% higher at the end of December than they had been early in October. Not only that, but our Beating the Dow portfolio for 1993 is up 31% at the beginning of August 1993 from the beginning of October 1992, not yet counting the dividends, distributions, splits, etc. (See Excel worksheet nearby)

So at our August meeting Barry Creech brought back his Trendsetter technical analysis software and tackled the questions of when to buy the

'94 portfolio at the lowest price and when to sell the '93 at the highest. We hope to show this through the fall, month by month, and see if it really helps. By January we will know, but, of course, then it will be too late to place buy orders in October and November.

As of August 12 the Trendsetter software had no opinion on our five stocks in the '93 portfolio. It had recommended buying and selling several of them for small profits during the prior eleven months, but had not held any. Barry promises to come back to our October meeting and look again, plus look at the ten potential purchases for our '94 portfolio. Thanks, Barry!

NAME	DIV	YLD	5-Oct-92 PRICE	# shares	total cost	PROFIT
AmerExpress	\$1.00	4.70%	21 1/4	200	\$4,250	
EKodak	\$2.00	4.50%	44 1/4	100	\$4,425	
Sears	\$2.00	4.70%	43	100	\$4,300	
UnCarbide	\$0.75	5.90%	12 3/4	400	\$5,100	
Westinghouse	\$0.72	4.50%	16	300	\$4,800	
					\$22,875	0
NAME			31-Dec-92 PRICE	# shares	total cost	
AmerExpress			24 7/8	200	\$4,975	
EKodak			40 1/2	100	\$4,050	
Sears			45 1/2	100	\$4,550	
UnCarbide			16 5/8	400	\$6,650	
Westinghouse			13 3/8	300	\$4,013	
					\$24,238	\$1,363
						5.96%
NAME			6-Aug-93 PRICE	# shares	total cost	
AmerExpress			33 1/4	200	\$6,650	
EKodak			58 5/8	100	\$5,863	
Sears			55	100	\$5,500	
UnCarbide			18 3/8	400	\$7,350	
Westinghouse			15 3/8	300	\$4,613	
					\$29,975	\$7,100
						31.04%

Also at our August meeting, Miles Weissman came and spoke up about Quicken 4.0. He showed us how the new portfolio management feature can be used in conjunction with the Trendsetter software to keep track of investment results. I'm impressed, and plan to buy it. Thanks, Miles!

Next month I'm going to be in Chicago attending a wedding, so Mark Pankin has agreed to run the September meeting and write the November column. Thanks, Mark!

Just briefly to revisit an earlier column: Did you see the story in the August 2 Washington Post Business section about light bulbs? It seems a hotel bought some 10,000 "energy efficient" light bulbs from PEPCO and put them in 800 guest rooms. Then "televisions all over the hotel started going haywire. The picture on some sets flickered uncontrollably while on other sets, the channels changed without warning." Everybody claimed the other guy had a problem, the hotel isn't sure where the problem is, but they got rid of the bulbs.

StockSIG welcomes both experts and novices to our meetings. Anyone using the Trendsetter software is particularly welcome while we are trying to figure it out. StockSIG meets the second Thursday of each month at 7:30 PM at the WAP office.



## Beginning HackerSpeak: The E's

The following are selected excerpts from the on-line Jargon File, version 2.9.9, a comprehensive compendium of hacker slang illuminating many aspects of hackish tradition, folklore, and humor.

As usual with slang, the special vocabulary of hackers helps hold their culture together—it helps hackers recognize each other's places in the community and expresses shared values and experiences. Also as usual, \*not\* knowing the slang (or using it inappropriately) defines one as an outsider, a mundane, or (worst of all in hackish vocabulary) possibly even a {suit}.

Hackers love word play and are very conscious and inventive in their use of language. Their inventions thus display an almost unique combination of the neotenous enjoyment of language play with the discrimination of educated and powerful in-

telligence. Further, the electronic media which knit them together are fluid, 'hot' connections, well adapted to both the dissemination of new slang and the ruthless culling of weak and superannuated specimens. The results of this process give us perhaps a uniquely intense and accelerated view of linguistic evolution in action.

**earthquake:** [IBM] n. The ultimate real-world shock test for computer hardware. Hackish sources at IBM deny the rumor that the Bay Area quake of 1989 was initiated by the company to test quality-assurance procedures at its California plants.

**Easter egg:** n. 1. A message hidden in the object code of a program as a joke, intended to be found by persons disassembling or browsing the code. 2. A message, graphic, or sound effect emitted by a program (or, on a PC, the BIOS ROM)

### Index to Advertisers

A Computist .....	12
AllNet .....	79
Arminius Publications .....	10
FC Business Systems .....	7
Greencastle Graphics .....	13
Hewlett Packard .....	Cover 2
Hyperglot Software .....	46
Multisoft Resources .....	38
MacSource .....	14
Mac Upgrades .....	Cover 4
Publishers Service Bureau ...	Cover 3
Seyern Graphics .....	16
Supply Line .....	49
TCS .....	5

## PROMPT & RELIABLE REPAIR

- *Apple, Radius, SuperMac & RasterOps* authorized
- Experienced factory trained technicians
- Warranted repair - original parts
- *AppleCare* maintenance contracts

*Special Discounts for W.A.Pi members*

### FC BUSINESS SYSTEMS

10565 Lee Hwy., Fairfax, VA • (703) 385-2758



Authorized Dealer &  
AASP Plus Service  
Provider

# π

in response to some undocumented set of commands or keystrokes, intended as a joke or to display program credits. One well-known early Easter egg found in a couple of OSes caused them to respond to the command 'make love' with 'not war?'. Many personal computers have much more elaborate eggs hidden in ROM, including lists of the developers' names, political exhortations, snatches of music, and (in one case) graphics images of the entire development team.

**Easter egging:** [IBM] n. The act of replacing unrelated parts more or less at random in hopes that a malfunction will go away. Hackers consider this the normal operating mode of {field circus} techs and do not love them for it. Compare {shotgun debugging}.

**echo:** [FidoNet] n. A {topic group} on {FidoNet}'s echomail system. Compare {newsgroup}.

**eighty-column mind:** [IBM] n. The sort said to be possessed by persons for whom the transition from {punched card} to tape was traumatic (nobody has dared tell them about disks yet). It is said that these people, including (according to an old joke) the founder of IBM, will be buried 'face down, 9-edge first' (the 9-edge being the bottom of the card). This directive is inscribed on IBM's 1422 and 1602 card readers and is referenced in a famous bit of doggerel called "The Last Bug," the climactic lines of which are as follows:

He died at the console  
Of hunger and thirst.  
Next day he was buried,  
Face down, 9-edge first.  
The eighty-column mind is thought

by most hackers to dominate IBM's customer base and its thinking.

**elder days:** n. The heroic age of hackerdom (roughly, pre-1980); the era of the {PDP-10}, {TECO}, {{ITS}}, and the ARPANET. This term has been rather consciously adopted from J. R. R. Tolkien's fantasy epic 'The Lord of the Rings.'

**elegant:** [from mathematical usage] adj. Combining simplicity, power, and a certain ineffable grace of design. Higher praise than 'clever,' 'winning,' or even {cuspy}.

**elephantine:** adj. Used of programs or systems that are both conspicuous (hog)s (owing perhaps to poor design founded on {brute force and ignorance}) and exceedingly {hairy} in source form. An elephantine program may be functional and even friendly, but (as in the old joke about being in bed with an elephant) it's tough to have around all the same (and, like a pachyderm, difficult to maintain). In extreme cases, hackers have been known to make trumpeting sounds or perform expressive proboscatory mime at the mention of offending programs. Usage: semi-humorous.

**ELIZA effect:** /\*-li:'z\* \*-fekt/ [AI community] n. The tendency of humans to attach associations to terms from prior experience. For example, there is nothing magic about the symbol '+' that makes it well-suited to indicate addition; it's just that people associate it with addition. Using '+' or 'plus' to mean addition in a computer language is taking advantage of the ELIZA effect.

This term comes from the famous ELIZA program by Joseph

Weizenbaum, which simulated a Rogerian psychoanalyst by rephrasing many of the patient's statements as questions and posing them to the patient. It worked by simple pattern recognition and substitution of key words into canned phrases. It was so convincing, however, that there are many anecdotes about people becoming very emotionally caught up in dealing with ELIZA. All this was due to people's tendency to attach to words meanings which the computer never put there. The ELIZA effect is a {Good Thing} when writing a programming language, but it can blind you to serious shortcomings when analyzing an Artificial Intelligence system.

**elvish:** n. 1. The Tengwar of Feanor, a table of letterforms resembling the beautiful Celtic half-uncial hand of the 'Book of Kells.' Invented and described by J. R. R. Tolkien in 'The Lord of The Rings' as an orthography for his fictional 'elvish' languages, this system (which is both visually and phonetically elegant) has long fascinated hackers (who tend to be interested by artificial languages in general). It is traditional for graphics printers, plotters, window systems, and the like to support a Feanorian typeface as one of their demo items. 2. By extension, any odd or unreadable typeface produced by a graphics device. 3. The typeface mundanely called 'B"ocklin,' an art-decoish display font.

**EMACS:** /ee'maks/ [from Editing MACroS] n. The ne plus ultra of hacker editors, a program editor with an entire LISP system inside it. It was originally written by Richard Stallman in {TECO}

under `{ITS}` at the MIT AI lab, but the most widely used versions now run under UNIX. It includes facilities to run compilation subprocesses and send and receive mail; many hackers spend up to 80% of their `{tube time}` inside it.

Some versions running under window managers iconify as an overflowing kitchen sink, perhaps to suggest the one feature the editor does not (yet) include. Indeed, some hackers find EMACS too heavyweight and `{baroque}` for their taste, and expand the name as 'Escape Meta Alt Control Shift' to spoof its heavy reliance on keystrokes decorated with `{bucky bits}`. Other spoof expansions include 'Eight Megabytes And Constantly Swapping', 'Eventually `{malloc()}'s All Computer Storage`', and 'EMACS Makes A Computer Slow' (see `{recursive acronym}`). See also `{vi}`.

**email:** /ee'mayl/ 1. n. Electronic mail automatically passed through computer networks and/or via modems over common-carrier lines. 2. vt. To send electronic mail.

Oddly enough, the word 'emailed' is actually listed in the OED; it means "embossed (with a raised pattern) or arranged in a network". A use from 1480 is given. The word is derived from French 'emmailleure,' network.

**emoticon:** /ee-moh'ti-kon/ n. An ASCII glyph used to indicate an emotional state in email or news. Hundreds have been proposed, but only a few are in common use. These include:

:-) 'smiley face' (for humor, laughter, friendliness, occasionally

sarcasm).

:( 'frowney face' (for sadness, anger, or upset).

;-) 'half-smiley' (`{ha ha only serious}`); also known as 'semi-smiley' or 'winkey face.'

:-/ 'wry face.'

(These may become more comprehensible if you tilt your head sideways, to the left.)

It appears that the emoticon was invented by one Scott Fahlman on the CMU `{bboard}` systems around 1980. He later wrote: "I wish I had saved the original post, or at least recorded the date for posterity, but I had no idea that I was starting something that would soon pollute all the world's communication channels." [GLS confirms that he remembers this original posting.]

*Note for the {newbie}:* Overuse of the smiley is a mark of loserhood! More than one per paragraph is a fairly sure sign that you've gone over the line.

**empire:** n. Any of a family of military simulations derived from a game written by Peter Langston many years ago. There are five or six multi-player variants of varying degrees of sophistication, and one single-player version implemented for both UNIX and VMS; the latter is even available as MS-DOS FreeWare. All are notoriously addictive.

**engine:** n. 1. A piece of hardware that encapsulates some function but can't be used without some kind of `{front end}`. Today we have,

especially, 'print engine': the guts of a laser printer. 2. An analogous piece of software; notionally, one that does a lot of noisy crunching, such as a 'database engine.'

The hackish senses of 'engine' are actually close to its original, pre-Industrial-Revolution sense of a skill, clever device, or instrument (the word is cognate to 'ingenuity'). This sense had not been completely eclipsed by the modern connotation of power-transducing machinery in Charles Babbage's time, which explains why he named the stored-program computer that he designed in 1844 the 'Analytical Engine.'

**enhancement:** n. `{Marketroid}`-speak for a bug `{fix}`. This abuse of language is a popular and time-tested way to turn incompetence into increased revenue. A hacker being ironic would instead call the fix a `{feature}`—or perhaps save some effort by declaring the bug itself to be a feature.

**epoch:** [UNIX: prob. from astronomical timekeeping] n. The time and date corresponding to 0 in an operating system's clock and timestamp values. Under most UNIX versions the epoch is 00:00:00 GMT, January 1, 1970; under VMS, it's 00:00:00 GMT of November 17, 1858 (base date of the U.S. Naval Observatory's ephemerides). System time is measured in seconds or `{tick}`s past the epoch. Weird problems may ensue when the clock wraps around, which is not necessarily a rare event; on systems counting 10 ticks per second, a signed 32-bit count of ticks is good only for 6.8 years. The 1-tick-per-second clock of UNIX is good only until

# π

January 18, 2038, assuming word lengths don't increase by then.

**epsilon:** [see {delta}] 1. n. A small quantity of anything. "The cost is epsilon." 2. adj. Very small, negligible; less than {marginal}. "We can get this feature for epsilon cost." 3. 'within epsilon of: close enough to be indistinguishable for all practical purposes. This is even closer than being 'within delta of.' "That's not what I asked for, but it's within epsilon of what I wanted." It may mean not close enough, but very little is required to get it there: "My program is within epsilon of working."

**epsilon squared:** n. A quantity even smaller than {epsilon}, as small in comparison to epsilon as epsilon is to something normal; completely negligible. If you buy a supercomputer for a million dollars, the cost of the thousand-dollar terminal to go with it is {epsilon}, and the cost of the ten-dollar cable to connect them is epsilon squared.

**era, the:** Syn. {epoch}. Webster's Unabridged makes these words almost synonymous, but 'era' usually connotes a span of time rather than a point in time. The {epoch} usage is recommended.

**erotics:** /ee-ro'tiks/ n. [Helsinki University of Technology, Finland] n. English-language university slang for electronics. Often used by hackers in Helsinki, maybe because good electronics excites them and makes them warm.

**essentials:** n. Things necessary to maintain a productive and secure hacking environment. "A jug of wine, a loaf of bread, a 20-mega-

hertz 80386 box with 8 meg of core and a 300 MB disk supporting full UNIX with source and X windows and EMACS and UUCP via a blazer to a friendly Internet site, and thou."

**evil:** adj. As used by hackers, implies some system, program, person, or institution is sufficiently maldesigned as to be not worth the bother of dealing with. Unlike the adjectives in the {cretinous}/ {losing}/ {brain-damaged} series, 'evil' does not imply incompetence or bad design, but rather a set of goals or design criteria fatally incompatible with the speaker's. This is more an esthetic and engineering judgment than a moral one in the mainstream sense. "We thought about adding a {Blue Glue} interface but decided it was too evil to deal with." "{TECO} is neat, but it can be pretty evil if you're prone to typos." Often pronounced with the first syllable lengthened, as /eeee'vil/.

**examining the entrails:** n. The process of {grovel}ling through a core dump or hex image in the attempt to discover the bug that brought a program/system down. The reference is to divination from the entrails of a sacrificed animal.

**exercise, left as an:** [from technical books] Used to complete a proof when one

doesn't mind a {handwave}, or to avoid one entirely. The complete phrase is: "The proof(or the rest) is left as an exercise for the reader." This comment \*has\* occasionally been attached to unsolved research problems by authors possessed of either an evil sense of humor or a vast faith in the capabilities of their audiences.

**eyeball search:** n. To look for something in a mass of code or data with one's own native optical sensors, as opposed to using some sort of pattern matching software like {grep} or any other automated search tool. Also called a {vgrep}.

## !!REPAIRS!!

Apple/Mac/I\*M Motherboard Repairs  
from \$45.00 + S&H  
Apple/Mac/I\*M Power Supply Repairs  
from \$45.00 + S&H  
Apple/Mac/I\*M Drive Repairs  
from \$45.00 + S&H  
Apple/Mac/I\*M Monitor Repairs  
from \$60.00 + S&H  
Apple/Mac/I\*M Keyboard Repairs  
from \$12.50 + S&H  
Apple/Mac/I\*M Upgrades  
Available!

Used Apple/Mac/I\*M CPUs,  
Disk Drives, Monitors,  
Keyboards available for resale

Warranties to one year on most repairs!  
Same day turnaround on most repairs!  
Arminius  
8519 Orchard Avenue  
Merchantville NJ 08109  
(609) 662-3420

# Press Releases and Special Offers

## Special Offer To User Groups— Save 30%!

Ventana Press's new *Mac, Word & Excel Desktop Companion* by Tom Lichty, who charmed thousands with his romp across America Online, helps new users gracefully enter the world of Macintosh computers. Three sections provide step-by-step introductions to the most popular Mac software. Separate indices for each section enable readers to find references easily.

Peppered with Lichty's disarming anecdotes, *Mac, Word & Excel Desktop Companion* mollifies the most frustrated beginner with clear, accurate advice. We can't guarantee that you'll never again hear a cry for help, but now you'll have a ready solution.

Special Offer: Until December 1, 1993, User Group members may purchase *Mac, Word & Excel Desktop Companion* for 30 % off the retail price. To take advantage of the special price of \$15.50, fill in the coupon below or a facsimile and send it to Ventana Press, P.O. Box 2468, Chapel Hill, NC 275 15; FAX 919/942-1140; Phone 800/743-5369 (orders only); AOL "DiLennox"; or Internet "dilennox@aol.com" by November 1, 1993.

Or take advantage of Ventana's standing user group offer: 50% off orders of ten or more, 20% off orders of fewer than ten on all titles, including *The Mac Shareware 500*, *Voodoo Mac*, *Looking Good in Print*, *The Official America Online Membership Kit & Tour Guide* and *The System 7 Book*. Ventana accepts mixed titles and even picks up the shipping. The user group name must accompany the order.

To get an order form for the special Ventana Press offer, come by the WAP office during regular business hours (Monday-Saturday, 10:00 am-2:30 pm and Tuesday evening, 7:00-9:00 pm.)

## Sports Illustrated Ventures into New Media

Burbank, CA—*Sports Illustrated*, the nation's only sports news weekly has joined with sister company Warner New Media to produce the first interactive CD-ROM reference guide of statistics and sports coverage.

*Sports Illustrated CD-ROM Sports Almanac* boasts a revolutionary search option that sorts through nearly 10,000 sports facts with a single click of a button. The dense database of *Sports Almanac* "allows you to jump around from picture to stat and from chapter to chapter without going back to the index," says the project's art director, Tracy Bader.

Making a conscious break from typically flat black and white photographs, *Sports Almanac* instead uses bright sound-captioned pictures that capture the flavor and feeling of *Sports Illustrated* images. Add information-rich articles by top SI writers and you have a near-perfect blend of information and technology, unprecedented in any medium.

*Sports Illustrated*, a pioneer in sports journalism, once again is on the cutting edge in developing a CD-ROM program with Warner New Media. "The opportunity to bring together the editorial resources of *Sports Illustrated* with the technical and creative expertise

of Warner New Media has allowed us to create an exciting and innovative new product," says SI director of Development Steve Zales. "We expect *Sports Almanac* to be the starting point for a long and successful venture into the world of interactive media."

Warner New Media has established itself as a front-runner in the growing multimedia industry, producing and publishing entertainment and informational products which continue to redefine the capabilities of interactive programming. This fall, Warner New Media and *Sports Illustrated* will release a second title together: *Sports Illustrated Gold Rush*, a new CD-ROM game based on the history, athletes and events of the Summer Olympics.

The CD-ROM disc can be purchased through software, consumer electronic, music, and book stores. Distributors carrying *Sports Illustrated CD-ROM Sports Almanac* include WEA, Ingram Micro, Merisel/Macamerica, High Technology, Educorp, Thinkware, SoftKat, Educational Resources and the Bureau of Electronic Publishing.

*Sports Illustrated Sports Almanac*, available July 28, 1992, suggested list price \$59.99. WARNER NEW MEDIA, 3500 Olive Avenue, Burbank, California 91505, (818) 955-9999, FAX (818) 955-6499. (*MacPublicity Network*).

For more information contact Kim Sudhalter at:

(818) 955-9999, ext. 6485  
**WARNER NEW MEDIA**  
 3500 Olive Avenue  
 Burbank, California 91505  
 (818) 955-999

## A C O M P U T E R I S T

We service  
Macintosh  
and Apple II

On call 24 hours

12 years  
experience

Pick up & Deliver

**(703) 750-0059**

A COMPUTERIST, LTD

FAX (818) 955-6499

### MaCNet Unveils Network Adapter for Apple PowerBook

Atlanta, GA—In response to the trend toward mobile computing and the growing popularity of Apple's new PowerBook notebook computer, MaCNet has announced its new low-cost SCSI-490PB multi-media network adapter. With the adapter, Macintosh PowerBook users now have the flexibility of connecting their system to their office network—regardless of the network media being used.

MaCNet, a registered Apple Developer, has been working closely with Apple to make it easier to integrate AppleTalk with other local area and wide area networks. The PowerBook adapter is the newest addition to MaCNet's growing family of cost-effective solutions for connecting Macintosh computers to a network and interfacing with the network media. And, since it can use the SCSI port of almost any Macintosh system to interface with an Ethernet Lan, it's also the key to open networking."

The SCSI-490PB's enclosure blends with Apple's PowerBook to provide continuity of design.

Featuring a National Semiconductor DP83902-based design, the SCSI-490PB supports the Apple PowerBook via a small external HDI-30 connector. User flexibility is further enhanced by providing BNC and RJ45 media support.

In addition to providing complete compliance with the Ethernet IEEE 802.3 protocol, the MaCNet SCSI-490PB is fully compatible with Apple's EtherTalk at the register level. It also supports both Phase 1 and 2 of Apple's AppleTalk protocol.

Designed for fast, easy installation, the MaCNet SCSI-490PB is provided with all of the necessary

cabling; no jumpers are required. A 64K buffered SRAM memory stores driver software and network services information.

Four LEDs provide at-a-glance network status (power on, link, send and receive) for easy troubleshooting. In addition, a SCSI LED, which is unique to MaCNet's adapters, can be used to select and display the SCSI address on the unit's 7-segment LED.

The SCSI-490PB, like all MaCNet card-level products, has an unconditional lifetime warranty. MaCNet products are produced according to strict quality standards and include extensive hardware and driver testing, as well as a full 72-hour burn-in for all board-level products. To provide maximum support to resellers, integrators and network managers, MaCNet products are backed by a phone-in technical support help desk (408) 954-8888.

The new SCSI-490PB adapter for the Apple PowerBook has an SRP of \$329 and is available from leading Macintosh and network resellers worldwide. Volume pricing on all MaCNet products is available upon request. (*MacPublicity Network*)

### Ancot Corporation Announces Automatic SCSI Switch

The Automatic SCSI Switch, Model SMA-924, is the newest addition to Ancot's SCSI 900 Series Switch Family. The SCSI Switch is compatible with all computers equipped with SCSI interface.

The SCSI Switch allows two host systems to share the same SCSI peripherals through automatic switching. The switch senses the demand from a host and automatically provides the proper connection.

In another configuration of the SCSI Switch, one host computer can share two SCSI bus branches with

up to seven IDs each. In this configuration, the SCSI Switch is designed to be used as an A/B manual switch.

The SCSI Switch is for use with 8 bit SCSI Single-Ended interface. It will accommodate Synchronous or Asynchronous transfers. It is also compatible with SCSI 1 or SCSI 2, including SCSI-2 FAST. The disconnected SCSI branch may be actively terminated by a built-in active SE terminator.

There is no programming or setup required for the SCSI Switch. Installation is quick and easy.

The SCSI Switch, Model SMA-924, comes in a light weight, low profile enclosure. LEDs indicate bus activity and termination status. Connectors are 50-pin (centronics) D-sub type. A 6-volt wall mount power supply is included.

The Model SMA-924 is priced at \$795 per unit and delivery begins immediately.

Contact: Chris Lynch (415) 322-5322. (*MacPublicity Network*)

### Special, Limited-Time Offer on the Leading Mac Security Software

San Jose, CA—Magna, developers of the Empower family of security products, is offering Empower I at a special, limited-time price. Through October 1st the “front-line” security solution for Macs, which retails for \$169, may be purchased direct from Magna for only \$49!

Empower I’s “front-line” defense controls are ideal for preventing unauthorized use of PowerBooks and other single-user Macs. At key times like Startup, Restart, and after its screen-saver is invoked, users are greeted by a “Welcome” dialog. Without the correct user name and password, access to the Mac will not be granted.

Empower I allows you to define

multiple users and security administrators on the Mac. Security administrators have special privileges, including the ability to change security preferences and create/delete users. Administrators may also use a unique Unlock utility found only in Empower products to override security on locked volumes in emergency situations.

A secured screen-saver controls access to the Mac by automatically locking-out the screen after a pre-specified period of inactivity. The screen-saver may also be invoked manually by a simple keystroke to instantly blank the screen and hide confidential data.

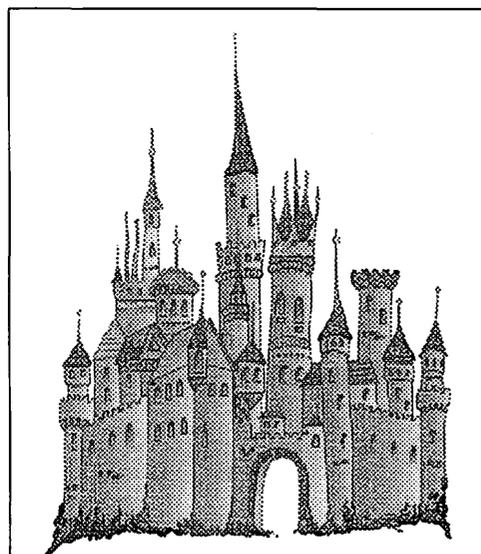
The Empower Family’s integrated, easy-to-use security solutions allow you to choose just the amount of security you need for your environment. Empower I features a subset of the comprehensive access controls found in Empower II, which is unsurpassed in securing multi-user Macs. Empower II combines both system and powerful resource access controls to ensure authorized use of the Mac down to the folder, file, and applications levels. With Empower II, you can define who may see and/or make changes to files and folders, and limit the use of applications (as well as ensure license compliance), Apple menu items, and CDevs on a per-user basis, no matter where they reside (floppies, networked volumes, etc.).

The third member of the Empower Family, Empower Remote, is designed to ease the burden of administering and managing Mac security in large networks. This one-of-a-kind administration tool eliminates time-consuming trips over multiple floors or departments by

allowing you to remotely control the security preferences of networked, “empowered” Macs from any central location!

Magna offers a direct, cost-efficient upgrade path between Empower I and Empower II so users can easily increase security should they realize a need for additional controls. Empower products are currently at Version 4.0.8. They are System 7.1 and Quadra compatible, and minimally require a Mac Plus and System 6.0.4. Empower Remote additionally requires that Empower I or II v.4.0.8 be installed on each networked Mac to be remotely controlled. Empower products are not copy-protected.

\*The special \$49 offer on Em-

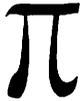


## Desktop Publishing & Graphic Design

Greencastle Graphics  
Nancy Seferian

(202) 333-5244

1425 Foxhall Road, NW, Washington, DC 20007



power I is available only through October 1, 1993. To place an order, please contact Magna at: Phone: (408) 282-0900, ext. 400, Fax: (408) 275-9147. (*Mac Publicity Network*)

**New Cyclops Pointer Affords Greater Control than Ever Over Presentation Software**

San Diego, CA—Proxima Corporation recently announced a new version of its Cyclops interactive pointer system, the cordless mouse that turns your projected computer image into an interactive touch screen.

As with its forerunners, the new Cyclops (Model A2030) lets you pull down menus, select menu items, click on hot buttons and perform other mouse operations at the projection screen with a special wand, or from nearly anywhere in the room with an optional laser pointer.

The new model takes advantage of technological breakthroughs in both bandpass optical filtering and analog signal conditioning that give users greater control than ever over their presentation software. In addition to being easier to use, it has greater range and works with larger screens and in brighter environments. And it comes with a

money-back guarantee.

Designed for use exclusively with Proxima's line of LCD projection products, Cyclops lets you control mouse-based software without being chained to the computer. According to Proxima Business Unit Manager, Mary Zoeller, this not only frees presenters to interact with their audience—a technique experts say is crucial to effective communication—but also facilitates interaction in meetings and workgroup sessions.

Zoeller explains: "Computers are increasingly being combined with LCD projection products to focus group attention in meetings, a process we call desktop projection. When using your computer for this purpose, you need to have access to all of your tools, including a mouse to control your software. But if you're tied to the computer, you sacrifice interactivity. That's why Cyclops is the mouse for desktop projection. It lets you use all your familiar desktop tools, yet frees you from the computer. This makes it ideal both for communicating information in presentations and for collectively formulating new ideas in data-sharing sessions."

New features make remote con-

trol of your computer more seamless than ever. Here are some examples.

- Easier, faster set up. Installing Cyclops for the first time takes just 10 minutes. In fact, with the new alignment and calibration procedures, you can be up and running in 30 seconds once your software is installed.
- Greater range. Improved signal processing and optical filtering allow the sensor to be placed as far as 18 feet from the screen.
- Support for larger screens. Cyclops can now be used with 50-percent larger projection screens.
- Support for brighter environments. Cyclops now works in brighter rooms, with brighter images and with high-gain projection screens.

Cyclops works with any IBM (or compatible) or Apple Macintosh computer, and controls all mouse-based software, including Windows, Macintosh and OS/2. This platform-wide compatibility makes it ideal for use with a wide range of applications, from spreadsheets and business/presentation graphics, to training and education programs, to multimedia shows.

In addition to the money-back guarantee, Cyclops Model A2030, which regularly retails for \$749.00, is available to Proxima customers at special introductory prices. Anyone who purchases a Proxima Ovation, Proxima Ovation 820 or ColorWorks LCD projection panel before October 31, 1993 can buy the new Cyclops for just \$199.00.

For more information, contact George Wilson at (619)457-5500 ext. 246. (*MacPublicity Network*)

**🍏🍏 MacFORMATION2 🍏🍏**  
**SF 171**

<p><b>Fill-out and print complete SF171, CHAMPUS and more federal forms with <u>stand-alone software!</u></b></p> <ul style="list-style-type: none"> <li>• 5 minute average learning curve.</li> <li>• WYSIWYG styling - you can change font and point size.</li> <li>• Create "template files."</li> <li>• Fax forms directly from Mac.</li> <li>• Hardware required: Mac+, 1MB ram, System 6.05. A new Mac, 4MB ram and System 7.1 recommended. Any Mac compatible printer...PostScript laser recommended.</li> </ul>	<p><b>\$65.00</b> for individual version. <b>\$99.00</b> for multi-user version. WAP members get 10% discount.</p> <p style="text-align: center;"><i>For more information, call...</i> <b>(703) 418-3900</b></p> <div style="text-align: center; border: 2px solid black; padding: 5px; margin: 5px 0;"> <p><b>MacSource</b> a mostly Mac store...</p> </div> <p style="text-align: center;"><b>2345 Crystal Drive Arlington, VA 22202</b></p>
---	--



# Macintosh Tutorials for October

## Volunteers and Instructors

You can't have training without teachers. If you have expertise in any subject useful to Mac or Apple users, please consider teaching. Instructors have an opportunity to work with students in small groups and informal settings. The teaching process is truly rewarding. Besides the spiritual and intellectual, rewards also include compensation; you will be paid. We especially need someone who can offer training in *HyperCard*. Call me if there is a subject that you are qualified to teach.

I am very pleased with the response to our requests for volunteers. We have a very bright and enthusiastic group of volunteers working to bring you the best possible classes and programs. We encourage and welcome additional support for the training program. Graphic designers, desktop publishers, and illustrators—we could use your help in promoting our program with brochures and fliers. For further information call Beth Medlin at the Pi office, 301-654-8060.

## Apple IIGS Tutorials

The Apple IIGS Tutorials are an introductory three-part series for the novice or the "player" on the IIGS who wants to learn more. We ask that you take all three classes in sequence and in the same month because the IIGS classes are not offered every month. Space is lim-

ited to six students, so please register early.

## Macintosh Tutorials

The Macintosh introductory tutorials are a three-part introductory series designed for beginning users or those desiring to brush up their skills. The primary focus of these courses will be on the System, Desktop, Icons, Windows, and basic concepts in System 7, but System 6 hangers-on are welcome and encouraged to participate. Their issues and concerns will be addressed. Please try to take all three parts; this is the most beneficial arrangement.

### Introduction to the Macintosh, Part I (Course # M101193)

You should go through the Guided Tour disk that comes with your computer or system upgrade kit before you come to class. You'll learn: how to safely turn your Macintosh on and off; what the basic dos and don'ts are; how to understand common Macintosh terminology found in manuals and other documentation; and how the basic components of your Macintosh system, hardware and software, work. You'll also learn why the Macintosh user interface is consistent across all applications, and how this makes learning and using software easier.

**Materials Required:** Your Macintosh, hard disk drive, startup disk, and an unformatted DSDD

800k disk.

**Date:** Mon., October 11, 7-10 pm.

### Introduction to the Macintosh, Part II (Course # M101893)

Part II will continue the exploration of the basic components of your Macintosh system, hardware and software. You'll learn more of the dos and don'ts; the finer points of the Menu Bar, Error Messages, Dialog Boxes, Icons, Folders, Keyboard Shortcuts, Scrapbook, and Clipboard will be discussed. You'll learn the basics of installing software, as well as about the Chooser, peripheral devices, and how they are connected to the Macintosh.

**Materials Required:** Your Macintosh, hard disk drive, startup disk, and an unformatted DSDD 800k disk.

**Date:** Mon., Oct. 18, 7-10 pm.

### Introduction to the Macintosh, Part III (Course # M102593)

Part III will follow up the concepts in Parts I and II. You will learn more advanced Macintosh skills and terminology; about the system software and using, installing, and updating system files; about managing memory, hard disk space, fonts, sounds, and other resources, the Apple menu, aliases, launching applications, inter-application communications (Publish and Subscribe), and Balloon Help. You'll also learn about how to buy hardware and software, how to upgrade, and what kinds of software are available for your Macintosh.

**Materials Required:** Your Macintosh, hard disk drive, startup disk, and an unformatted DSDD 800k disk.

**Date:** Mon., Oct. 25, 7-10 pm

**Maintaining Your Macintosh (Course # OS102793)** How to main-



tain and troubleshoot your Mac. Topics will include: organizing and managing your hard disk; backing up and back-up strategies, archiving, disk formatting, defragmentation and optimization; managing start-up resources (including System 7 extensions or System 6 INIT's); avoiding conflicts and incompatibilities; virus protection; memory management; upgrading or replacing the operating system; system enhancements; customizing software installation; cleaning your mouse; and Macintosh "housekeeping" philosophies.

**Date:** Wed., Oct. 27, 7-10 pm.

**Intro to QuarkXPress (Course #Q101293)** Introduction to the powerful desktop publishing program. Topics will be based on student needs: How and when to use Quark, its environment, features, menus and commands.

**Date:** Tues., Oct. 12, 7-10 pm.

**Intro to PageMaker (Course #PM102893)** Introduction to the popular desktop publishing program. Topics will be based on student needs: How and when to use PageMaker, its environment, features, menus and commands.

**Date:** Thurs, Oct. 28, 7-10 pm.

**Intro to HyperCard (Course #H102093)** This class is designed for the HyperCard novice. It is the perfect seminar for those of you wanting to enjoy the many benefits of HyperCard.

Location: Fairlington Community Center, Virginia.

**Date:** Wed., Oct. 20, 7:00-9:45 pm.

#### Other Educational Opportunities

I've listed some training resources to supplement our class schedule. The Pi is not endorsing the listed resources. Call or write me on your training experiences outside the Pi.

I am very interested in documenting courses at local schools, colleges, universities, Adult and Continuing Education programs, at the Smithsonian, and any other Macintosh or Apple II training. Any information would be very helpful in this regard.

- Personal Training Systems (828 S. Bascom Avenue, Suite 100, San José, CA 95128): 1-(800)-TEACH-99. Offers a comprehensive set of 90-minute tutorial modules which consist of an audio-cassette and computer disk. Most sets have four or more modules ranging from beginning to more advanced topics. At mail order prices of \$60 or less per module (\$99.95 list), these packages are relatively cheaper than other such training materials. Check them out.

- Northern Virginia Community College, Alexandria Campus (3001 North Beauregard Street, Alexandria, VA 22311): 703-845-6301. Loudoun Campus (1000 Harry Flood Byrd Highway, Sterling, VA 20164): 703-450-2571. Continuing education classes in Macintosh computing. Associate Degree in Applied Science programs in Communication Design and Computer-aided Graphic Design at the above campuses. The primary Mac classes are Computer Graphics I and II. Advanced projects and seminars are required for degree students.

- AFI-Apple Computer Center for Film and Videomakers, Los Angeles, CA: 213-856-7664 or 1-800-999-4AFI. Courses in film, video, and multimedia—most involve Macintosh computing. Courses primarily at the LA campus.

**COMPUTER SLIDES**

**Severn Graphics Imaging Services**

*Hassle free imaging from your computer files. Practically all graphics, presentation and DTP software programs supported.*

- 35MM Slides
- Overhead VG
- Color Negatives
- Color Thermals
- Canon Color Lasers from Files
- MAC / PC / Amiga
- NeXT, Unix
- Prompt Service
- 24Hr Modem

35MM from

# 3<sup>95</sup>

**For More Information or Imaging Kit Call**

**800-825-9134 ext 25**

**Severn Graphics, Inc. 7590 Ritchie Highway Glen Burnie MD 21061**

**Custom Photo Lab Services**

**Computer Graphics Exhibits and Displays**

Severn Graphics, Inc. 7590 Ritchie Highway Glen Burnie MD 21061 (410) 768-6118





- **Avid Education Services:** 617-221-6789. The Avid Media Composer is the premiere off-line editing system in video and film (cine as the insiders call it). It is Mac-based. If you're interested in video, film editing, or production, learning the Avid system is a good idea. Courses around the country.
- **The Corcoran School of Arts:** 202-628-9484. Courses in Mac color computing, design, illustration, art, and electronic pre-press. Location: Georgetown.
- **The Eastman Kodak Center for Creative Imaging,** Camden, Maine: 1-800-428-7400. State-of-the-art, Mac-based imaging, digi-

tal photography, and electronic pre-press. Courses on beautiful Maine campus in the Atelier.

- **The Sony Video Institute (The Sony Institute of Applied Video Technology,** 2021 North Western Avenue, PO Box 29906, Hollywood, CA 90029): 213-462-1987, then #\*. Film, video, and multimedia courses—many involving the Mac. Courses in Hollywood and around the country.
- **Dynamic Graphics Educational Foundation:** 1-800-255-8800. The "Step-by-Step Graphics" people offer courses on Mac-based graphic design, electronic publishing, color pre-press, etc. at a Peoria campus, at DC area ho-

tels, and other locations around the country. Prices range from approximately \$200-800.

- **Diversified Technographics (formerly Don Thompson Laser Service) Seminars:** 1-800-457-5776. Seminars in laser printer repair that are taught at various locations in the area and around the country. Maximum class size is 12 persons. 23072 Lake Center Drive, Suite 100; Lake Forest, CA 92630. 1-800-457-5776.

Washington Apple Pi Tutorial Registration Form		Washington Apple Pi 7910 Woodmont Ave., Su. 910 Bethesda, Maryland 20814 301-654-8060
Basic Information	Course Numbers	
Name _____	<i>Please fill in the course number of the class(es) that you wish to attend.</i> Class #1 _____ Class #2 _____ Class #3 _____ Class #4 _____ Class #5 _____ Class #6 _____	
Address _____		
City/Zip/State _____		
Phone (day) _____ (evening) _____		
Member Number _____ Non-member _____		
Number of Classes _____ x Class Fee \$ _____ = Total Fee \$ _____		
Check/Money Order _____ Credit Card _____ Card Number _____		
Card Expiration _____ Signature _____		
Can you bring your own computer to the class? Yes <input type="checkbox"/> No <input type="checkbox"/>		
WAP Form #CL006 (mod. 7/90). Mail registration and payment to the above address.		

# Artists on exhibit

by Ann Aiken

*This column will look at the art and artists of Washington Apple Pi and the techniques and tools used to create the art.*

**Artist Info:** Jessie Nichols, originally from Washington DC, switched from Commercial Art to Fine Art at the National Art Academy on Massachusetts Avenue. He then continued his education at the Art Students League in New York City. He initially worked at the Smithsonian, producing exhibits for the Museum of American History. He's been with the FDA since 1968 where he is now the Chief of Visual Services and, among other things, produces the consumer magazine entitled "FDA Consumer."

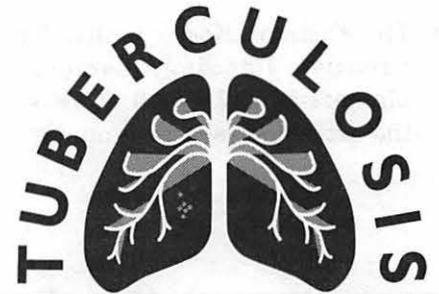
**Tools:** Quadra 950, Illustrator,

PageMaker, PhotoShop, Word 5.0, SuperMac monitor.

**Techniques:** "I believe the best approach to working on the Mac is to think of it as just another tool such as a great paint brush or felt marker. I strongly recommend that people still need to learn how to make pictures the traditional way first. It's important to sit down and think on paper with thumbnails while cognizant of computer techniques and tricks. Even I am guilty of just pushing buttons and playing around. However, the best pieces come from following that same process of the early illustrators.

"*Happy Land* was a learning piece for me. It was an exercise to become more familiar with Illustrator. I fol-

lowed a process described in the publication 'Before and After,' only using Illustrator instead of Free Hand. The newest Illustrator has gone far beyond FreeHand by the use of Plug-



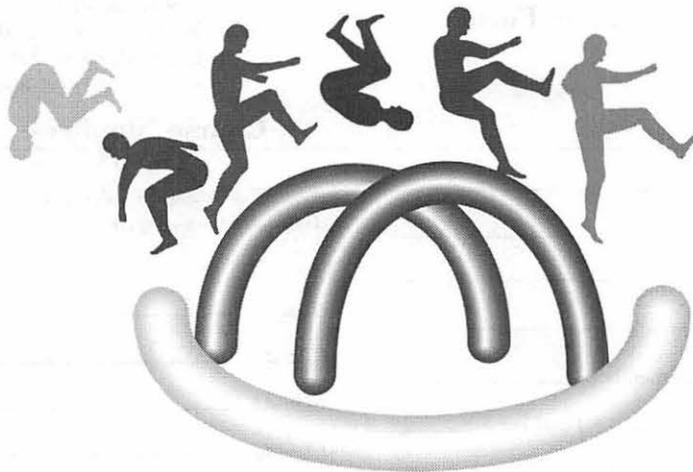
Still Striking After All These Years

ins (additions that enhance the original application). I was testing the neon effect on curved shapes. I converted the type to outline and colored it. I used the 'Swifty' typeface for the figures, converted it to outline and painted it.

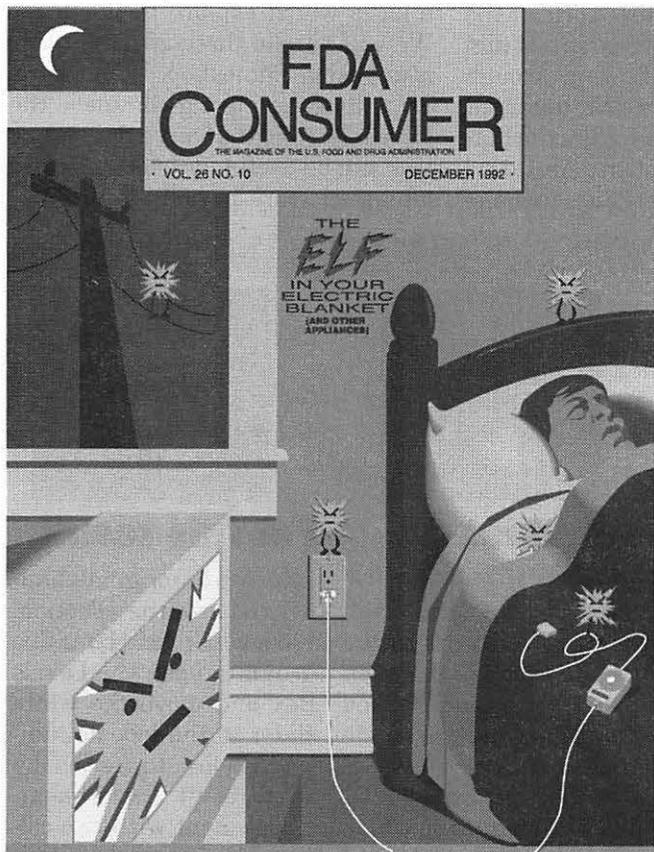
"I drew the *Testicular Cancer* design in Illustrator. In the groin area I came up with my own symbols or abstract shapes to give the impression of something wrong with the bodily functions.

"In the *Elf in Your Electric Blanket* illustration, I had to come up with a character in a home setting and show the sources of where the current might be. I made a sketch and scanned it into Illustrator. I didn't use any photos for reference. I drew the shapes and tried to paint them like a canvas. I only used three process colors to get the feel of night.

"For the *Elf in Your Electric Blanket* title design, I drew the letters in



# HAPPY LAND



# THE ELF

In Your Electric Blanket

(AND OTHER APPLIANCES)



Hair Apparent?

For Some, a New Solution to Baldness

Illustrator and filled them with a graduated fill. Then I cloned them and filled them with black to create the drop shadow.

"The *Lungs* turned out to be one of those 'happy accidents' in art. First I drew the basic lung shape in Illustrator. The lines are three points thick and filled with 20% black. I forgot to close off the lines and therefore achieved the winged look.

"*Hair Apparent* was my first attempt at using the computer for a

cover design. First I played with rough thumbnails. The editorial key to this illustration was using a question mark as part of his hair. I scanned it into Illustrator and drew it using the pen tool. The strands of hair in the comb were drawn with the freehand tool."

# Graphic Tips

by Carol O'Connor

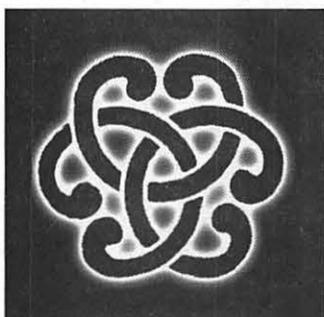
## Make it Glow! or Gleam

We like to see light in all its glory. Our eyes move to the light mechanically, but, more importantly, we *delight* in it. The sun lights our days and the moon our nights. But we also move to the neon at night for entertainment, as we enjoy The

Great White Way in New York, or the glitter of Las Vegas. We go into a dim space to enjoy the light flowing through stained glass windows. We put light signals everywhere, including the buttons we push to accomplish daily tasks!

As artists we need, at times to make

images which explore light effects. We will handle three effects in this issue using Photoshop. In doing so, we will explore using channels, the Levels Box and the Curve Box. I hope this will be useful for beginners and advanced users as well.

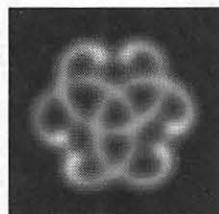


**Try this technique with text, with maps or with any other crisp black and white image. Begin with Photoshop, your drawing application or your scanner. Add color if you wish.**



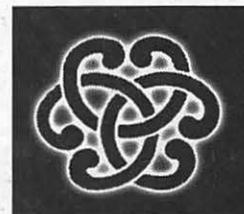
### Combine this...

The original image can be drawn in Adobe Illustrator or can be typed set in Photoshop or any crisp b/w image from the scanner. Black and white images are good starting points for a glowing design, even when the final result will be in color. We limit ourselves to black and white for this article, but remember that the final image can be in several colors. *What is important is the extreme contrast of dark and light in the colors, not the colors themselves.* The contrast, the extremes of dark and light, makes the glow. The techniques described here will make lovely graphics but will not radiate light as we intend to do here if subtle colors are



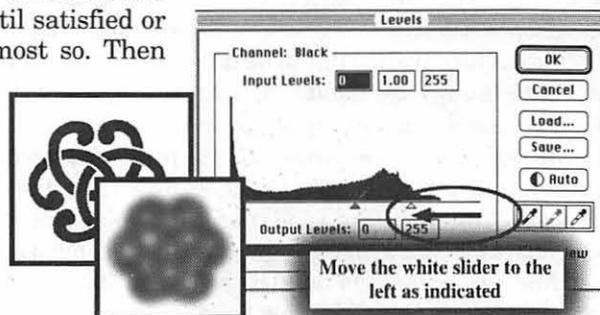
### With this...

chosen. We begin by selecting all the *white* elements in the original. Save the selection to a new channel (called channel 2 in Grayscale Mode or channel 4 in RGB Mode). In the new channel the selection is white against a black background (see below). Open the new channel, *select all*, and apply the Gaussian Blur filter several times until satisfied or almost so. Then



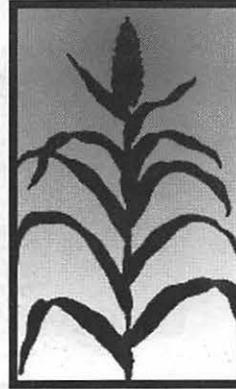
### For this result.

return to the original channel and load the selection. Fill it with black! It may be useful to open the Levels Box and move the white slider to the left, as indicated below, to get the desired result. Experiment. Experiment with two colors and three colors. Try different blur settings and different white ranges in the Levels Box.





Begin with a crisp black and white image. It is wise to save this selection into a new channel.

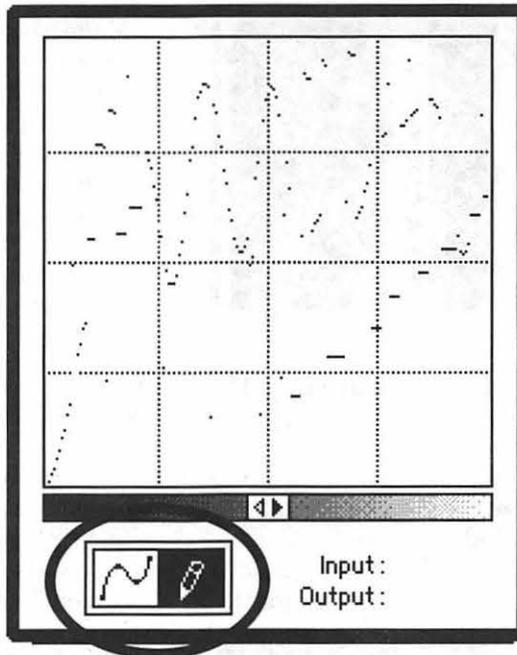


Drag a radial blend into the *background* only. (Set the foreground color to 50% black.)



Apply the Curve Box arranged as shown below. Adjust levels and blend lightly. Outline the grass with white.

**The Curves Box does more for us than touch up photographs. In this case, we use it to create some unusual effects. While these effects are not wholly under our control, a little patience will yield useful results.**



**Tip:** The settings for the curve box can be saved and applied to other blends or surfaces.

**More about the Curve Box on the next page....**

**This curve box** is odd only because the pencil was applied almost randomly with clicks and short strokes. If the smooth button is clicked, one may continue to add short pencil strokes.

**The Effect** we show above works *only on blended surfaces*, never on solid tones.

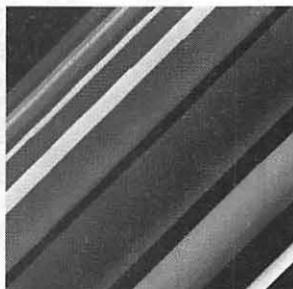
**Experiment** with the Curve Box on both radial and linear blends. The effect is easier to see and understand when tried in simple blend-filled rectangles. After that is understood, apply the Curve Box to complex selections which have blends.



## MAKE THIS BLEND

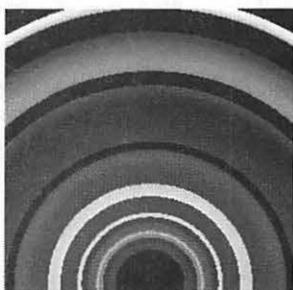


## LOAD YOUR FAVORITE CURVE\*

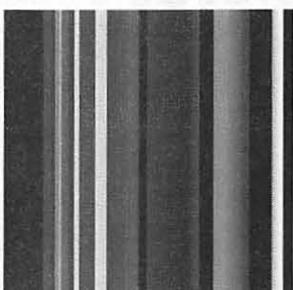


Scale sideways, copy, flip, join and emboss. This example employs a KPT filter for making the sphere.

## PLAY, TO GET A USEFUL EFFECT



Cut an ellipse, darken the edges of the ellipse, paint in some white highlights at 30%, add a wide gray on the outside of the ellipse and highlight it, add narrow black stroke. Add gleam, (see below) if you wish.



Make a rectangular selection which pleases you, use the Perspective control to pull the tops of the rectangle together, use the Levels box to adjust the lights, cut away the curve at the bottom and you are done.



**\*Tip:** The curve box, which renders an interesting effect on a blend, can be used again and again. If you take the time to make a good curve on a blend, save it. There is a Save Button inside the curve box window. Click on it and name your Curve. When you need it again, open the curve box and click on the Load Button. You will be prompted to find your Curve. When you click Open, your graphic will take on the characteristics of the Curve you have saved.

**Another Tip:** The little gleams on the letters in the title bar, (and elsewhere on these pages) are brush strokes which Adobe provided for you when you bought Photoshop. To access the brush, click on Show Brushes in the Windows menu. Click also on the triangle to open more menu selections. Choose Append Brushes and find Assorted Brushes in the Brushes and Patterns Folder Adobe supplied. There are several 'Gleams' from which you may choose!

**I need feedback** from readers to make these articles useful.

*I invite readers to call:  
703 430-5881.*



# System 7.1: Should You Upgrade?

by Thomas Siblo

When I was asked to put together an article regarding the new upgrade from System 7 to System 7.1, I started to write it under the premise that all Mac users have already upgraded to System 7. Under further investigation, I have found that there are users that are still using System 6.X. (most with Mac Pluses or SEs). It has been over a year and a half since the Mac community has received the much heralded and most radical upgrade to its operating system, and although it has been hailed and maligned at the same time, it has delivered as promised.

System 7's benefits were, and still are, available to anyone with a Mac, two megabytes of memory (four megabytes is highly recommended), and a hard disk drive. My original thoughts of System 7 were that it would be too slow for users on a Mac Plus or a Mac SE, and they could not benefit from the advantages of the new operating system. Ironically, System 7 isn't discernibly slower overall than System 6 on a 2.5MB Mac Plus, and it is observably faster at a few things, such as copying files on a tightly filled hard drive. In addition, I was also troubled over the fact that System 7 would devour too much memory and disk space. It turns out that the two megabytes that System 7 requires is roughly equivalent to having one megabyte under System 6. So if you are using System 6, and have two megabytes of memory, you should have four megabytes when using System 7. You will also need a hard

drive, hardly an odd requirement these days. I recommend that most users of Mac Pluses and SEs who have the available memory (four is sufficient) upgrade. And to those who haven't, do so at this time. Memory prices are at an all time low, (1 MB SIMMS are around \$39-45) and System 7 is a powerful operating system that brings dynamic new capabilities and ease of use to any Mac user.

It also builds on the basics that all Mac user have come to love; and it is paving the way for the new generation of software to come. Apple has always maintained strict guidelines in making sure that all developers and programmers have kept to their standards in developing software that will always work on all Macs, from the Pluses up to the Quadras. I have this feeling that after every upgrade, including 7.1, if you don't keep up, you may be left behind. But for a small investment, all Mac users with the older CPUs can take full advantage of all the wonderful things going on, and at the same time, keep up with technology.

Since Apple has released System 7, we have seen 7.0.1 with no less than three "TuneUps"—1.0, 1.1, and finally 1.1.1. As the dancing decimal point demonstrates, end users haven't seen any new capabilities in the Mac operating system software, just some quick fixes. With System 7, Apple began a new approach to operating software releases. Instead of giving end users different improvements and substantial changes, it would give the operating system new capa-

bilities as separate products — for example, QuickTime, PC Exchange, At Ease, etc.

Until now. With the new release of System 7.1, Apple has decided to push the operating system envelope a little bit more. On the surface it may look like nothing more than a few cosmetic changes, but there are many significant changes. Here is a glimpse at System 7.1.

**WordScript:** This feature gives the operating system the ability to run in languages other than US English, including those with intricate and complicated character sets, i.e., Kanji, and those that read from right to left such as Hebrew and Arabic. It also enables the creation of mixed language documents. This is the biggest change in System 7. A localized version of System 7.1 displays all the menus, dialog boxes, extensions, and control panels in the local language. Also included in System 7.1 is a new menu called Keyboard. It gives the user the ability to change between the local language keyboard and the English keyboard. The menu and dialog boxes stay in the local language even when the user switches to the English keyboard, but the keyboard switch makes it possible to enter text in a document in English as well as in the local language. Unfortunately, at this time, you can not install more than one local language on any one system. But the infrastructure is there for multiple language modules. Maybe it will be included in the next version.

**Fonts Folder:** A folder is now automatically created to hold all types of fonts. It is now easy to install Type 1 fonts, just install them like you would a system extension. Drag a font icon over the System Folder and the system will install it where it belongs, in



its own folder. As most of you may be aware, Apple and Adobe have become very good friends...again. So good, that there have been press releases over the last few months regarding the inclusion of Adobe Type 1 Font technology and ATM (Adobe Type Manager, software that enables the Mac to display PostScript Type 1 fonts on screen) in future releases of the Mac operating system. Well, it's not this one. But things are getting easier. With the arrival of System 7, the System Folder became something of a maid. Drag an extension, control panel or a certain font over the System Folder icon and it automatically "cleaned up" for you—they were installed in their proper locations.

But in the case of fonts it became a little sloppy. The bit-mapped and TrueType fonts were installed into the system file itself, whereas PostScript Type 1 fonts would get treated like extensions and were installed into the extension folder. System 7.1 changes that slightly. The system contains a special folder called, naturally, "Fonts." Now when you drag any type of font, bit-mapped, TrueType or PostScript Type 1 onto the System Folder icon, the item will be installed automatically in this folder. Also for those who do not have ATM, there is a ReadMe file that refers you to Adobe so that you can purchase ATM along with the Adobe Garamond font family for only \$7.50. As I stated before, they have become good friends again.

**QuickTime 1.5:** To date, QuickTime has not been bundled with any versions of the Macintosh operating system. Although, you were able to obtain it with many video-card vendors that add

it to their software, the only other way of obtaining it was as a separate package from Apple as the QuickTime Starter Kit which retailed for \$149 through most mail order houses. A new version of the QuickTime extension, called QuickTime 1.5, has been added to System 7.1. It has two major features. The first is the Compact Video Compressor. It can now compress video-image files down to about half the size of those produced from the original QuickTime that used the Apple Video Compressor. The other feature, the Compact Video Compressor, is now twice as slow. In addition to reducing the size of the files to half their sizes, the new compressor is more capable of playing back the compressed data. There is also another handicap. The Compact Video Compressor takes more time than the original Apple Video Compressor. A very long time. More than I could clock. Apple expects to improve on this significantly before it ships the new compressor; rumor has it by almost half the time.

**Photo CD:** The next time you bring in a roll of film to the neighborhood photo finishing shop ask whether it can produce a Photo CD for you. Photo CD is Kodak's new digital image format for storing and viewing pictures on a CD-ROM. When leaving your roll of film for developing, you will receive in return a set of prints, negatives, and a CD with your pictures stored on it. Take the disk home, slap it into your CD-ROM drive, and with the new QuickTime 1.5 extension installed, you will be able to enjoy your pictures right there at your computer monitor! The best part of all this is that you can then use them for anything you desire.

Since they have already been digitized, you can place them in programs that can produce newsletters, make layouts for holiday cards, etc. You can store over 100 pictures or images, on one CD disk. If you don't use all the space on the CD the first time around, (Kodak calls it a "session"), you can continue to use the CD until it is filled up. It may take you up to four or five rolls of film or visits to do so. Now here is the rub. Older CD-ROM drives might not support the Photo CD technology. In addition to this, only the newest CD-ROM drives support the multi-session Photo CD format. To see the pictures or images from anything but the first session, you will need a multi-session CD-ROM drive, and the only one available as of this writing is the AppleCD 300i, which is included in the Macintosh IIfx and the Performa 600 CD, or you can buy it as a stand alone unit.

**At Ease:** Adding to the never ending list of extensions that Apple has in its offerings, the latest one is called At Ease. Up to this time, it could have been purchased as a stand alone product from many mail order houses for a retail price of \$45. It is now part of System 7.1. Why should I want to replace the Finder, you may ask? Let me share this short story with you. A friend called, almost on the verge of tears, stating that his daughter, all of six years old, had been "playing" with his Mac. When his daughter was done, almost all of his files, folders and icons were either renamed or trashed. The screen looked like a garbage dump. The contents of his application folders was entirely empty, and his files for work were all renamed things like "zxxxxccu-uuubmm." The System Folder was another story.



Needless to say, it took over 12 hours to get the desktop to resemble anything it previously looked like. At Ease was designed to prevent anything like this from happening. It will both simplify the desktop and restrict access to files, folders and applications you may not want little eyes and hands to look at. It is an application that gives the "host" user flexibility, convenience, and security. It is actually an extension or an alternative desktop should you have more than one person using a CPU, and you don't want the other users getting into your files, hard drives, etc.

It actually makes a Macintosh computer even easier to use, if that is at all possible, and, at the same time, protects the valuable contents of the computer's hard drive and other peripherals. It provides a speedy, one click access to the applications and documents you specify, and protects remaining disks contents with a password. It installs in minutes and setting it up is a snap. After that, all the "guest" user has to do is click the large, oversized buttons and the application or document is launched. There is no trash can, and no control panel that the "guest" user could access. So the contents of your hard drive and your system folder are safe from prying eyes and mice. It is the perfect solution for teachers and parents, like myself, who want to protect their CPUs but still want to have others access and enjoy their machines. It also locks up the hard disk drive so that the "guest" user has to save any work or documents on floppy disks only. The Control Panel and all the settings are safe. At Ease is a great utility. The only misgiving that I have with it was that it can only create a single

setup. For home use this might be sufficient, but for machines that have many users, like a classroom, it would almost need a multiple set of configurations.

**New Control Panels; Numbers, Date & Time:** These two control panels integrate a combined addition to System 7. Since a diversity of formats are used by different countries and languages when using numbers, dates, times and even their currencies, when installing a local language under WordScript, these changes are automatically made. When using the Keyboard menu to switch from the local language to English though, the changes are not reset to English and have to be made by these control panels manually. Under the Time and Date Control Panel, you have endless ways of displaying each.

**Better Memory Management:** The memory management features for System 7 that were previously distributed under TuneUp 1.1.1 have been incorporated into this version of the Macintosh operating system. If you have been using System 7 and did not install this Tune Up software, you should now notice fewer "out of memory" situations. In addition, you can now use the Info window to set the minimum amount of memory required to open a program. All open programs use a certain amount of your computer's random-access memory (RAM). Each program sets aside the amount of memory it needs. On rare occasions you may need to increase or decrease the amount of memory a program sets aside for itself. You might want to increase the amount so you can open more documents at once, or you might want to decrease it so you can open other programs at the same

time. You can now adjust the program's memory size in its Info window under System 7.1.

**System Enablers:** This is the first version of the Apple operating software system that will utilize system enablers, or extensions that adapt the basic system to support special features of the new Macintosh models. In the past, every time Apple released a new Macintosh model, a new operating system was created or revised. With the new system enablers, this isn't necessary because all you would need is the enabler extension. System 7.1 comes with enablers for the all the newest Mac models including the Duos, the new Performa line and the Mac IIvx. In addition, there is a new 32-bit system enabler that lets users of older 68020 and 68030 Macs install more than eight megabytes of RAM.

**One Year of Free Support:** When you purchase the Macintosh operating software System 7.1, you are automatically entitled to one year of toll-free telephone support from Apple. This offer is only valid in the United States and Canada. But it gives you direct access to Apple's engineers who can provide help with installation, configuration, compatibility and basic product use. It is available from 9 am to 5 pm EST every weekday, excluding holidays.

With the advent of System 7.1 the roots for all the future systems objectives are in place. The first of these will be OCE (Open Collaboration Environment) and AppleScript. Apple now plans to fully include PostScript Type 1 fonts as part of the Macintosh operating system when it releases QuickDraw GX, which is a complete revision of the Mac's graph-



ics and text structure. There are even rumors of voice and handwriting recognition by the end of the year.

Now we come to the biggest point of contention. Prior to this time, Apple has made its operating system available to anyone free. Take the required number of disks to your local dealer, and he was more or less obligated to let you make a copy of the latest system software. Show up at any User Group and they would be more than happy to render this service, for a small fee. When System 7 was introduced, it retailed for \$99, which included all the disks (10) and the required documents to help you through the transition. But if you preferred, you could receive it free. Well, Apple has changed this policy. Apple is now going to charge an upgrade fee for its operating system. The fee for System 7.1 is \$40. For this fee, you will receive the necessary disks (five), and all the documents to explain all the changes.

Now, I don't endorse, one way or another, Apple's policy for charging for upgrades. But, considering all that you are getting, and the price that you would pay if you had to purchase any or all of the extensions that are included, it would cost you five times as much. Is System 7.1 a major upgrade that Apple should be compensated for? You have to be the judge of that. Remember, as these upgrades continue to be introduced, there will be more and more technology available, and you will be missing out on a formidable amount of it.

*Thomas Siblo is a mild-mannered veteran sales representative for a home furnishing company by day. But at night, he becomes a Macintosh Evangelist, reporting and writing reviews for the Macintosh community. He can be reached at 718-356-7595 or on AOL (ThomasS110)... at night, of course.*

## Aldus Personal Press, Version 2.0

by Jim Campbell

### Your Choice

I've done 500-page documents with 400 graphics on PageMaker and I've done 300-page documents with lots of graphics on Quark Express. *Personal Press 2.0* is definitely easier to learn and use. Comparing the \$88 price of *Personal Press* to the \$700-\$900 price of the competitors makes the choice pretty obvious to all except the top notch desktop publishers who need the power and capability offered by the top of the line products. The rest of us can make good use of *Personal Press* for simple page layouts.

So, you ask, what can *Personal Press 2.0* do that the more advanced word processors cannot do? Succinctly stated, *Personal Press 2.0* can handle graphics and text much easier and can do little extra things like text rotation, scaling, shadow creation, and exporting in a wide variety of formats.

### System Requirements

*Personal Press 2.0* needs at least a Mac Plus with 2 megabytes of RAM; a hard drive with 4.6 megabytes of free space, one 800K floppy drive, and at least System 6.0.3 with Finder 6.1—but System 7.X is better! *Personal Press 2.0* supports System 7's "Publish and Subscribe," 32-bit addressing, TrueType, virtual memory and QuickTime movie support.

*Personal Press 2.0* was tested on a Mac Plus, SE, SE/30, Mac II and an LC III with no basic difference or

**A**ldus *Personal Press, Version 2.0* is unique! Pressing Command-I for information yields a scrolling information blocks which credits the writers, programmers, layout creators, designers, illustrators, etc. I haven't seen similar scrolling credit lists in any other program I've worked with. Let's get to the bottom line first. How good a page layout application is it?

It has its shortcomings—no automatic kerning, only one *Personal Press 2.0* document can be open at time, there is no pasteboard or workspace off to the side, sometimes fills edges out beyond the desired boundaries, and there are very limited style sheets.

But it has advantages—low cost—only \$88.00 in one direct mail campaign (List Retail price is \$199) directly from Aldus; it is very easy to learn to use; it works very quickly and easily as compared to PageMaker, for instance, on the same computer; and it makes an acceptable product for those needing an elementary page layout or Desktop Publishing software application.

Desktop publishing with page layout programs is essentially an electronic desktop or pasting board that allows you to design and redesign pages complete with graphics, texts, scanned images, photographs and headlines. You layout your page by creatively bringing together these components into a "newspaper like" arrangement.



unique problems noted except speed.

### What is *Personal Press 2.0*?

*Personal Press 2.0* is an easy to learn and use page layout program. It offers three choices when you start: AutoCreate, New (create a document from scratch) and Open (a document created earlier).

AutoCreate is a powerful feature that provides over 50 "intelligent" templates that guide you through the simple design of newsletters, invitations, books, letters, brochures, labels, envelopes, greeting cards, forms, invoices, calendars, certificates and flyers. AutoCreate lets you put together a publication fast, using the pre-formatted templates. You identify the text and graphics, and AutoCreate flows them into your document. You then do some graphics dragging and adding some styling and your document turns out very nicely! The template will automatically "fine tune" or "copy fit" your product for you. Additional pages are automatically added through "autoflow" which eliminates the need for you to add pages as you add text and graphics.

One unique feature is the ability to save a page as a PICT document. This would offer benefits if you were faxing directly from your computer, or moving your completed page to another application where it might be just a graphic rather than a stand-alone document.

### Special Features

Background pages are created that are the model for your document. They can have header and footer messages that would appear on all pages of your document. Documents can be viewed as sized to fit the screen, 50, 75, 100 and 200%. Both text and graphics appear as "interactive graphic previews" in a small window when selecting text and graphics for placement into the docu-

ment. Replicate takes an object and creates a series of progressively small similar objects. It then stretches the series across your document as you "stretch it." Text can be rotated at set intervals or in free rotation. Graphics or text (text is treated as an object by *Personal Press 2.0*) can be scaled up or down in size. The basic word processing features found on most word processors are available. A 100,000 word dictionaries, word counts, a 660,000 word thesaurus, hyphenation and "posted notes" are available. The "posted notes" are your notes to yourself that are "glued" on to the text or graphic. You can even print these notes—perhaps editorial or reminder notes. Graphics can be inserted and cropped and can be moved around within a frame to position it as you want. Drawing tools are also available to create graphics within the program.

Page layout is very simplified and easy to layout or modify. Previews provide interactive feedback on your product to date. Text wrapping is possible by wrapping around the actual shape of the graphic object or by wrapping around the rectangular boundary of the object. The workbook provides the equivalent of the desktop provided by other desktop publishers. You can use it much like you use the scrapbook to temporarily hold objects you want to paste or move onto a later page. Special options are available for producing drop caps, bullet text, pull quotes and similar special features that can really enhance your product.

A workbook is available that serves as a pasteboard or work area for the user. It retains text or graphics for future use much as the scrapbook does. Printing works basically as you would expect it to. The same features are available as far as reduced sizes, etc. that are normally available on your printer. One interesting feature is the ability to "thumbnail" up to

sixteen documents on one sheet.

Color and grayscale capabilities exist within *Personal Press 2.0* for QuickDraw and PostScript printers. Up to 16.8 million colors and 256 gray scale variations are possible within the software. Likewise, halftones are easily handled by *Personal Press 2.0*. Yes, the heavy duty desktop publisher has more capability—but then most of us are not knowledgeable enough to use all that capability unless we specialize in desktop publishing or are graphic artists/illustrators.

On-line (balloon) help is available. A "Quick Reference" card is provided with the generally adequate User Manual. This card documents the key stroke shortcuts to eliminate the need for the pull down menu for "power users." There is a separate AutoCreate Guide that explains how to use the AutoCreate feature.

### The Bottom Line

MacWorld gave *Personal Press 2.0* only a Two Star rating (out of five) in its September Star Rating Review. It also generally panned the product in a March 1993 review because it felt it could not compete with the top of the line models. True—it does not have all their features, but for \$88, I think you cannot go wrong! It is really easy to learn and operate, and I get much more done than I do with the higher priced page layout programs—even though I use them regularly. Good luck!

*Jim Campbell, P.E., is an enthusiastic Mac user and Apple Pi member who is always trying to increase personal productivity by using the Mac. Over the past two years, he has written seven software reviews for WAP Journal. He plies his trade with Interlog, Inc. in Falls Church, VA where he is the Principal Operations Research Analyst. Jim is also Chairman of the Greater Washington Chapter of the Society of Logistics Engineers (SOLE).*



# What Can I Use PaperTemplates For?

by Debbie Hoyt

When the Bola Company representative called me and asked me to review one of PaperDirect's products, I was delighted to help out. After all, what desktop publisher isn't aware of PaperDirect's fantastic assortment of desktop design laser and inkjet papers, business cards, professionally designed brochure/mailers, laser note cards, certificates, and post cards? The variety of the selection that they offer is dazzling and their complete presentation sets which give a unified image to stationery, envelopes, brochure/mailers, business cards, etc., are especially professional. Quite a fine first impression can be made using such tools. But he had the PaperTemplates in mind. What was so special about some templates? What could I do with them? What would they really be like to work with? Curious, I agreed and the PaperTemplates kit was sent to me.

Along with the PaperTemplates themselves, there was an illustration guide which gave a visual representation of all of PaperDirect's papers. They're all carefully shown in black and white along with their style names and order numbers. And at the bottom of each page, there is a number that you can dial (sorry, it isn't toll-free) should you need help with the products. You also receive two Bitstream fonts—Cloister Black and Embassy—and 20 clickart images from the T/Maker Company (PICT format).

Next is the PaperTemplates soft-

ware User Guide. The user guide is a universal manual containing instructions for use of the templates with Macintosh software (Word, PageMaker 4, Quark XPress 3.1) as well as with PCs. The templates include samples of all of PaperDirect's papers, so there's never any fudging and fiddling with the templates to make them work correctly. You do, however, need to specify which software package you're going to use the templates with because there are minor differences in the way each one lays out a page. How to use the templates for each word processor or page layout software has been covered in a separate chapter of the manual, so the confusion level is kept to a minimum, but be forewarned: where Macs and PCs both use software by the same manufacturer, the manual covers both platforms in the same chapter.

## On to the Mechanics

Most Mac users can install new software more easily than they can tie their shoes, so there really is no need to insult you by explaining the installation process. If you are a novice, set your fears aside—the manual is very thorough. Once installed, there are two nifty features of the templates that I think are worth describing (I worked with the PaperTemplates for PageMaker 4.X, so the descriptions below will apply to that software package.):

**Pre-defined style sheets; pre-placed text**—In order to make your task of sending out a mailer or designing a business card, etc., easier, PaperDirect has already set up individual style sheets for each template. Naturally these can be changed, but they do give you an idea of which size a font would look best at or which attributes of the font (bold, italic, etc.) will work best. And to help you enter your message or text with the least amount of difficulty, some representative text is already in place. To replace it, select the entire text block and type in your own text. The new text will automatically take on the styles of the representative text and will stay nicely within the pre-defined text boundaries set up by those text blocks. Very simple. Very elegant.

**Designer paper image on Master Pages**—This allows you to see exactly what your text and graphics will look like on the particular style of designer paper that you have chosen before they are printed out, and shows where the die-cut guides, or any significant perforations which appear in a particular place on the Paper Direct paper are. These elements allow you to place text and other graphics very precisely on the page while they remain anchored to the Master Pages. In order to print your work without printing the elements on the Master Pages, you must pull down the Page menu and deselect "Display master items." Now all graphic elements on the Master Pages are invisible, only the text and clipart that you have arranged on the page will print.



## Hints and Tips

It's always a good idea to print out your work on a plain piece of paper before you try it out on the desktop design papers. (If you'd like a black and white preview of how your page will look *with* the master items in place, go to the Page menu and be sure to select "Display master items"—there will be a 4 to the left of the command if it is active. But remember to once again deselect it *before* printing to any of the pre-designed pages.)

Once you're certain that you are ready to print the final masterpiece,

take the time to print out a single copy on the desktop design paper. If everything checks out, load the rest of the paper and print your multiple copies. If you are printing a two-sided document, print a single copy of side one, then make careful note as to how the paper must be oriented in the printer to correctly print side two. This simple yet necessary task could save you dozens of ruined printouts and untold aggravation.

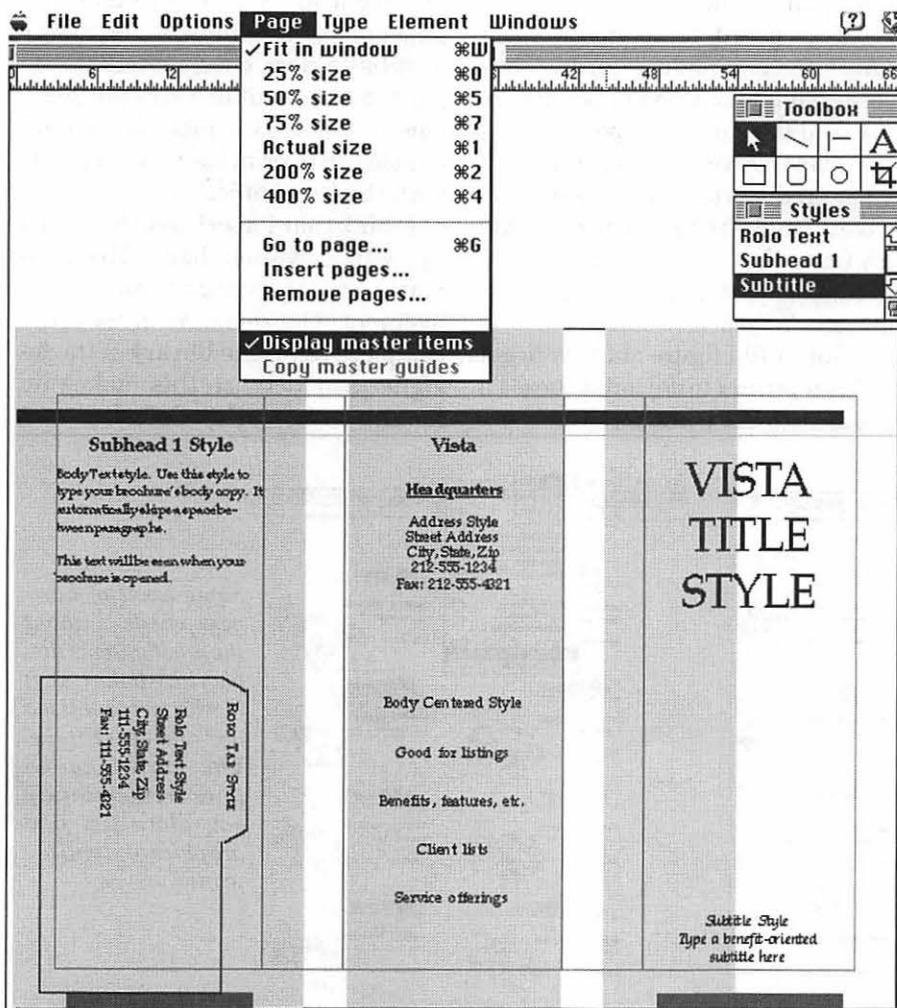
Some of the templates have rotated text. Be sure to read the manual coverage of how to rotate text in your software package. In PageMaker 4

use the pointer tool to click on the pre-placed, rotated text block. In the Element menu, choose Text Rotation, Click once on the "A" that appears right side up. Click OK. Now you can add your own message. To rotate the text back to its original position, select the text block and choose Text Rotation from the Element menu. Click on the "A" representing the original orientation and click OK.

Sometimes toner on the first side will smear when printing the second page of a double-sided document. If this happens, the toner density level on your printer should be set to the lowest possible setting. Excess toner will flake off and smear if it is too dense.

## Curses, Foiled Again!

Now, onto making the project splashy and colorful—really eye-catching. PaperDirect has thought of this, too and offers their Desktop ColorFoil in many colors. With their shiny foils and 3-D prism-look foils, you can really dress up a publication. Desktop ColorFoil is just about the neatest thing since the automatic icemaker. With it you can really perk up a page or card. You can even use as many different colors on one page as you like—or as you have. Using it is fairly easy, too. Begin by printing out the page containing the graphic or text that you would like to add color to. Attach enough foil (shiny side up) to the area that you wish to color to cover it and secure the foil with the adhesive dots which are included. Making sure that it's foil side up, run it back through your laser printer by printing a blank page in your word processor or page layout package. (To create a blank page in PageMaker, you have to fool the software. Type a letter or two anywhere on the page, select it and change its style to Reverse under the Type menu or just fill a shape with white and do not stroke



A view of one of the brochure / mailer templates, showing the pre-designed paper, the pre-defined style sheets palette, and how to suppress the Master items—in this case the "Vista" style brochure / mailer—so that it will not print.



it—this makes the text or shape white on a white background, but it is enough to make PageMaker happy so that it will send a print command to your printer.)

But in working with the ColorFoil, I picked up some practical experience along the way that you might find helpful.

- If the ColorFoil doesn't appear to have completely adhered after you have run it through the printer, then recover that area and be certain that the adhesive dots are not overlapping onto the printed surface. The heat from your laser printer is not hot enough to melt the foil onto the toner *through* the adhesive dots.
- Running your paper through the printer a second time can create a curl problem. You can solve this by running the page through again upside down.
- Using an entire sheet of ColorFoil attached to a page produces undesirable results, leaving some places where the foil does not adhere well or even crumples

the foil up so that it is unusable.

- Any excess foil that is around the edges of the print area can be removed with an eraser.

### How Well Did it Do in Practice?

The business card templates worked like a champ. But you need to be careful. If you can see the template preview of the pre-printed PaperDirect paper that you are using, then the design will also print black over the beautifully designed papers. Now this may not seem likely, but when folks get in a hurry this kind of thing happens (or maybe it just happens to me), and it's the last thing that you need.

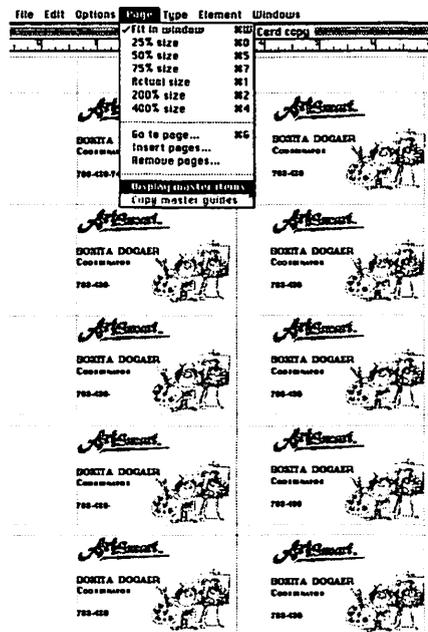
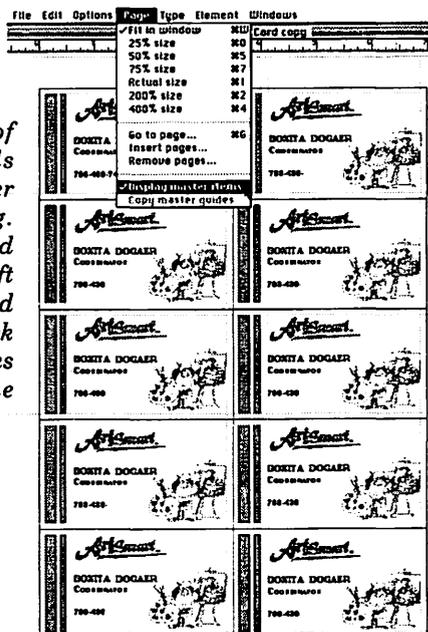
The postcard templates are designed for non-folding cards. They were well laid out and quite easy to use. And the super fine perforations that PaperDirect uses on all of its paper products tear apart easily and leave no ragged edges. The resulting printouts that I made looked quite professional—only one thing would have made them look better: embossing. But until I figure out how to get my laser printer to do that, I guess I'll just have to live without it. But there

is the Desktop ColorFoil that you can use to color any printed item that you wish.

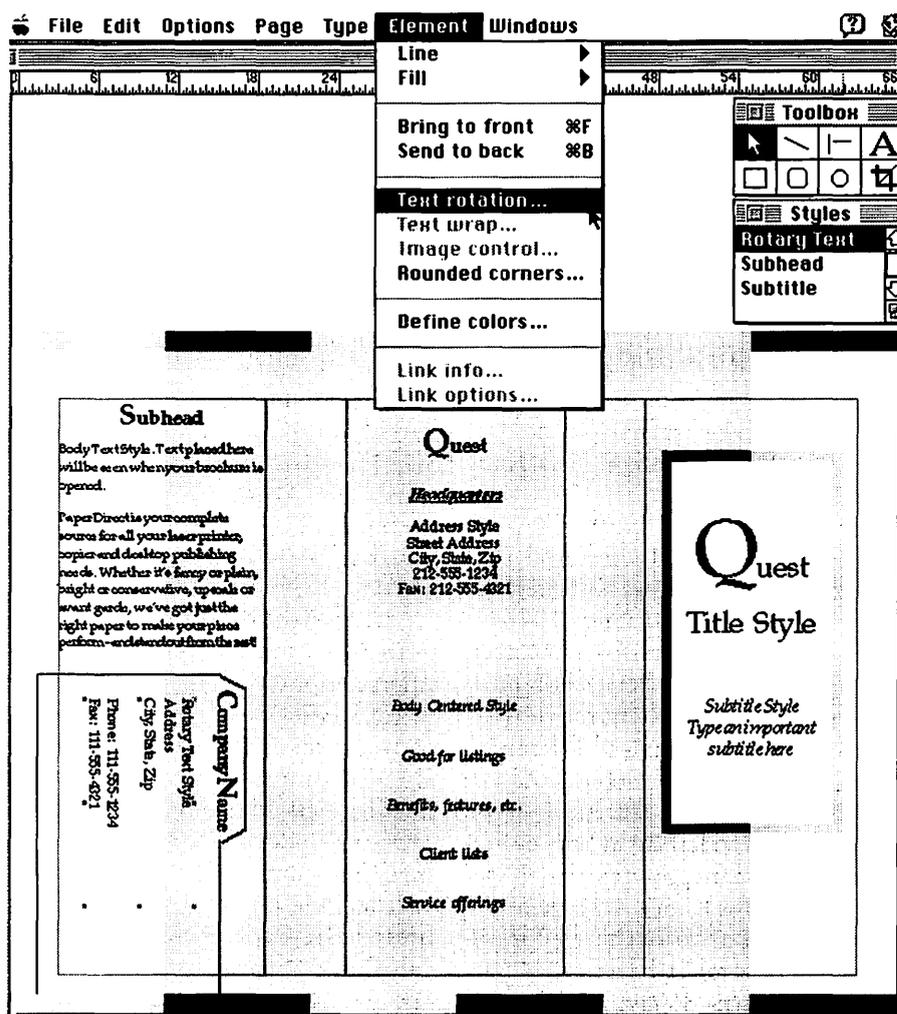
Running some of the specialty papers from PaperDirect (PaperDirect had also sent me a PaperKit, which contains a sample of all of their paper products) through my laser printer made it sound like it was being put to a great deal of trouble—what with the groaning and all, but the output was superb. Some of PaperDirect's papers are heavier than the 20 pound bond that most of us use in our laser printers (some of it as heavy as 38/67 lb.), and naturally these are thicker. To help your printer handle the heavier load, try hand feeding the paper or open the back of the printer (if it has a back door) and allow the paper to come out in a straight pass. One of these two methods should enable you to print the heavier paper with the least difficulty.

I think that PaperDirect has come up with a winner here. The templates are easy, versatile and nearly foolproof. The company gives you a complete template library of its designer products, so this makes up for the rather pricy ColorFoil and

*A full page of business cards with the master items showing. Notice the card design on the left edge of the card and the solid black rule which marks the edge of the business card.*



*Same sheet of business cards without the master items displayed. All that is left is the personalized text and the graphic. The greyed guidelines are there to help you place text and graphics and will not print.*



So while this was something of a disappointment, you still will get a reasonable number of new designs should you want the latest and greatest. I also liked the technical support that the PaperDirect people were able to give. They are there and willing to help if you are having difficulty with their products.

Would I buy this product myself? You betcha. I was about to do so when I was asked to review a copy of the templates for the Journal. If you do desktop publishing, you are constantly running into all kinds of little problems that make getting a job done frustrating. Any product that can minimize that irritation is well worth having. The PaperTemplates are just such a product.

**Product:** PaperTemplates software for the Macintosh

**Manufacturer:** PaperDirect

**Address:** P.O. Box 618  
205 Chubb Avenue  
Lyndhurst, NJ 07071-0618

**Telephone:** 1-800-A-PAPERS  
(800)-272-7377

**Fax:** (201) 507-0817

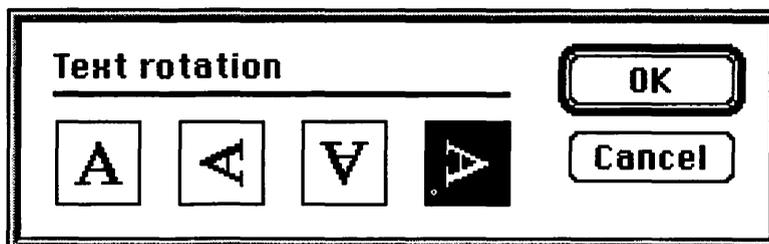
**SRP:** \$39.95

This is the "Quest" style brochure/mailer. Notice that it has a Rolodex card with perforated edges, which are shown by a solid black line, in the left-hand panel. The text in the card is selected (see the six selection squares that frame the text). By going to the Element menu and selecting Text Rotation, you can orient the text so that it can be changed and then rotated it back to the position in the flyer using the same menu.

designer papers. Should you ever decide to change stationery, you needn't worry about purchasing a new template as well as long as you stick with the PaperDirect's offerings that are in your template library.

I spoke with a representative from PaperDirect and asked him whether a customer would have to repurchase the template software when new papers came out or whether they had some sort of upgrade arrangement. I was told that a completely new package would have to

be purchased, but that they didn't make new template packages until they had at least ten new designer papers to add to the existing ones.



*Text Rotation box—This allows you to position text. Type in your message, then rotate the text block once again as it originally was in the template.*



## Rumors, Wishes & Blatant Lies... New Storms Brewing, The Best of Both Worlds, and an Observation

by Thomas Siblo

### Storm Front Rising, or Are These Storms Just a Summer Shower?

The Macintosh Quadra 840av, code-named Cyclone, and the Macintosh Centris 660av, code-named Tempest, are expected to be available by the time this article is published.

As previously reported, chief among the "av" Macs' features will be built-in digital video and 32-bit digital signal processors (DSPs). They will also sport a new direct memory access bus architecture and a high-speed serial port dubbed GeoPort. Sometimes called the Mac IIIs, the av systems represent the single biggest departure in the Macintosh architecture since the Mac II. But while these "kitchen sink" Macs will come with a lot of new technology, street prices will start at about \$2,300.

The av Macs have many features in common. Most of the new technology offered on them is geared to improve and extend the performance of audio and video activities (hence the "av" suffix). Both will be able to capture and output 16-bit color and built-in Ethernet is standard on both models. The new Macs will include AT&T's 3210 DSP, which is used for voice recognition and synthesis, among other tasks. Both Macs will reportedly have optional 500-MB hard disks and CD-ROM drives. Much of current Mac system software will be stored inside the av Macs' 2-MB ROMs, reducing RAM requirements for the operating system. The 660 and 840 will be the first Macs to include Apple's Casper voice recognition. Both Macs will have a GeoPort

for serial and network communications. Apple is expected to include DSP-based software that lets the DSP and GeoPort emulate a 14.4-Kbps modem.

The Quadra 840av will come in the Quadra 800 case and will run on a 40-MHz 68040; have three NuBus slots, which accommodate long (13-inch) cards; and support three internal SCSI devices. The base configuration will come with eight megabytes of memory, expandable to 128 megabytes via 60-nanosecond, 72-pin SIMMs and a 230-MB hard drive. The 840av's video RAM can be upgraded to two megabytes, which will support 24-bit color on 21-inch displays. Street price for this configuration will reportedly be about \$4,200.

The Centris 660av, designed to make the av capabilities accessible to mainstream consumers, comes in a Centris 610 chassis with one 7-inch NuBus slot, which requires an adaptercard, which is sold separately; space for two internal SCSI devices; and four megabytes of RAM, expandable to 68 megabytes. It will also sports a user-upgradable 25-MHz 68LC040—the '040 without an FPU (floating-point unit). Sources said street prices for a 660av with an 80 MB hard disk should start at \$2,300.

Like everybody else, I got all excited when I first read about the Cyclones. But then I started thinking and realized that these are *not* breakthrough CPUs, despite all the brew-ha-ha. They'll have 40-MHz 68040s, already available in upgrades from Daystar and others, and only a

20% speed increase over the now-common 33-MHz machines. The Cyclones do *not* represent a quantum leap in power. They are really just small steps up the 680x0 Motorola slope. But Apple has cleverly disguised the fact that this hardware is really nothing special by adding every possible bell and whistle in hopes nobody will notice how basically tame these machines are.

In my humble opinion, these Cyclones may very well be the last high-end Motorola-based Macs we'll ever see. They are basically just a subtle move by Apple to stretch the Motorola-based Mac line a little while longer until the Power PCs are ready.

### The Best of Both Worlds

In a new move to reach out to the microcomputer mainstream, Apple is reportedly developing a low-cost coprocessor card that would let Quadra and Centris users switch between the Mac environment and DOS or Windows at the touch of a hot key. Code-named Houdini, the board will include an Intel 486 processor and a VGA graphics chip. It will plug into the 68040 processor direct slot in the Centris and Quadra models and use the machines' existing RAM, SCSI devices and serial ports. The project is one of many now under scrutiny as the company moves to reduce overhead under the leadership of new CEO Michael H. Spindler. If it survives the review, however, the product could be released late this year or early in 1994. Pricing has not been determined, but Apple is hoping to keep the cost at less than \$500 and perhaps as low as \$299.

### Let's Go Rent Some Software!

Software rental—isn't that illegal? No. According to the Copyright Amendment Act of 1990, it is not illegal to rent software as long as the renter has the permission of the copyright holder. Three years ago you could rent almost any software pro-



gram you wanted; today, to do so is virtually impossible. So why are Compton's NewMedia and Major Video Concepts planning to rent software through video stores? Both companies give their reasons: because the CD-ROM market needs exposure; "you have to see multimedia," claims Compton and because "the VHS business [has been] flat for the past couple of years," according to Major Video Concepts. Both companies are hoping the market growth for CD-ROMs will compare to the that of Sega Genesis and Nintendo. When game cartridges became rentable through video stores, sales of players, and cartridges grew dramatically. Software piracy killed software rentals in the past, what's different now? Both companies feel illegal copying will not be an issue. "The threat of piracy will always exist, but given the titles under consideration, the threat in this immediate case is minimal; they are not considering rental of application software, clip art, or fonts. CD-ROMs can contain over 600MB of file data; who can afford to copy that to another storage device? Remember, many of the CD-ROMs will be used with equipment that has no reproduction capacity."

### From "Cy Young to Sayonara"?

Just a few months ago, John Sculley was on top of the world. He was the acknowledged "Wizard of the Information Age." He sat at the right of Ms. Hillary Rodman Clinton at the state of the union address (maybe that was the start of his downfall, but I will leave politics out of this). There was even talk of a presidential appointment. Now in the mist of all the turmoil at Apple Computer, Inc., he is being totally trashed. All the newspapers cheerfully reported not only his stepping down, but that he may be forced out for good. In this writer's humble opinion, the bemused flip-flop is both astounding and ridiculous. How can one of the most

successful executive in the last ten years go from a winner to being totally gone? The answer partly, may be Apple's own abrupt slide. In the last quarter alone, the company has lost more than \$188 million; earnings will be lower for the entire fiscal year, and its stock has lost almost half of its value since the beginning of the year. More than 2,400 people will be handed a pink slip. In addition to all this doom and gloom, the sales of Apple's most thriving product, the PowerBook line, has softened. Who is the blame to fall on? Fairly or not, it is John Sculley.

A certain irony comes to mind when you think of the relationship of John Sculley and Apple. Sculley finds himself in the same situation he encountered over ten years ago after coming over from PepsiCo. The company was in trouble, and needed to find its direction. He had to cut jobs and costs. Among those forced out: Steve Jobs, the founder who had become too visionary. At that time, Sculley and Apple became extremely successful. The company became a \$7 billion corporation; Sculley a hero. But now he finds himself in the same position; John Sculley has become Steve Jobs and this time, he could get the hook.

Everyone from Silicon Valley out west to here in the east is singing the same song. Apple began to sputter because Sculley "took his eye off the ball." Unofficially, insiders state that he is being pushed aside by a board unhappy with his performance. Sculley offers a somewhat different take. He states that he has long since started to groom German-born, efficiency expert, Michael Spindler, a.k.a., "the Diesel," for the job. The only thing he wishes is that the timing was a lot better. He would like to have handed the company over to Spindler when things were going more smoothly. In addition, things may get worse. Rumors abound, and the strongest one, is that management wants a clean break—and that

Sculley might soon be invited to bow out entirely.

Did Sculley really screw up that badly? You can't blame him for the price wars that have been draining the profits across the industry. Unfortunately, Apple lost its competitive edge under his direction. That would not have happened had he not opted to preserve the Mac's "proprietary" architecture. Loosing all that ground to the Windows platform didn't help either. You see, by sinking Sculley, Apple is telling its stock holders and all of Wall Street, "We are under new management; we realize that we made mistakes and we will become mean and lean ASAP, and come back stronger than ever, just stick with us." They will list all the new and exciting products that will be coming out (of which Sculley is the chief designer). Among them will be a new operating system called "Pink," an assumed quantum leap ahead of Microsoft's Windows and IBM's O/S 2 operating system. Another, will be the PowerPC chip. Just recently demonstrated at the PC Expo in New York, it is a low-cost microprocessor that will dramatically increase the Mac's speed and versatility.

But the most challenging and ambitious product will be the new generation of wireless communicators called "personal digital assistants." As it were, Sculley coined the name of these computers-communicators-fax machines and believes that they will change the way we live and work. He feels as strongly about these new machines as he did about the personal computer ten years ago. Will it help Sculley and Apple? If done right, PDAs could be as big as the Mac was in 1984. Even if they all succeed, I'm sure that Sculley will not be around to enjoy the fruits of his labor. For the record, he has stated that he is committed to Apple. But I think otherwise. If a new challenge comes around, I think he will jump on it, whether he is pushed by Apple or not.



# Macintosh Mini Reviews

## CD-ROM ToolKit

### Supercharge your CD-ROM Performance

If you have an older CD-ROM reader or simply want better performance from a current model, CD-ROM ToolKit from FWB may be just what your need. While all CDs are designed to hold large amounts of data, they are also known for accessing the information stored on them much more slowly than the typical hard drive. Most current hard drives access data in the 10 to 15 millisecond range, while the typical CD-ROM reader may take 350-600 milliseconds; almost twenty times longer.

Now there's a utility that can reduce these long waiting periods by

employing a feature known as *driver-based caching*. CD-ROM ToolKit (CDT) does this by reading and writing important file and folder information from the CD to your hard drive. Searches for data can be completed ten to twenty times faster according to FWB. This is done by read-ahead caching which intelligently anticipates the data required next and then delivers that data instantly from accessible RAM.

CDT includes an efficient SCSI device driver that supports many popular CD-ROM drives and data formats including Kodak's Photo CD, Macintosh HFS, ISO 9660, High Sierra, and ProDOS disks. The CDT Remote program also allows playing of audio tracks through headphones or stereo equipment. CDT is compatible

with many of the new double speed drives and can improve performance even on this new generation of drives.

Finally, many of the newer CD drives have the ability to read *multisession* discs such as the Kodak Photo CD. Because these multisession discs can be rewritten, the secondary writes require special drives which are multisession

compatible. As such, CDT supports most multisession hardware.

To run FWB's CD-ROM ToolKit, you will need a Mac Plus or better, System 6.0.4 or later, one megabyte or more of RAM, and a SCSI CD-ROM drive. The suggested retail price for CD-ROM ToolKit is \$79, but you can order it direct for \$49. For additional information contact Mike Micheletti at (415) 474-8055.

## DupLocator

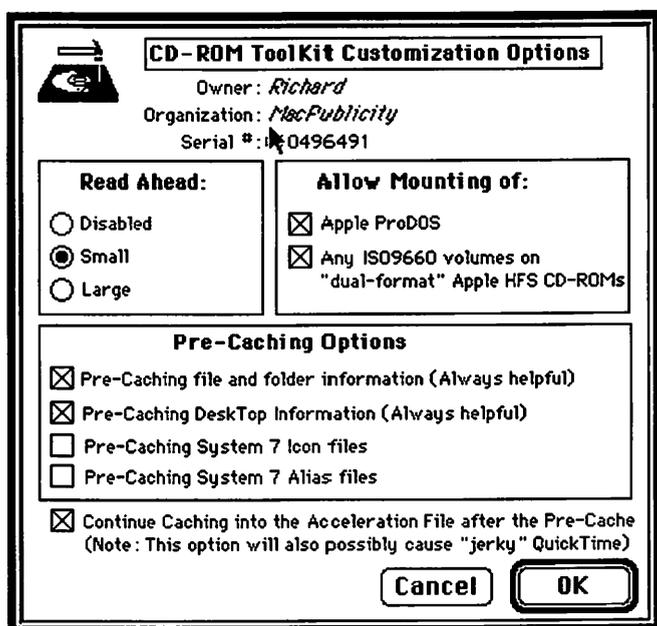
If you bought your computer to improve your productivity and bring organization to your life or business, DupLocator is a 'must have' set of utilities. In fact, once you try it, you will wonder how you ever worked without it.

DupLocator is a complete disk and file organizer that simplifies a variety of important tasks which are often overlooked or taken for granted. When installed, it builds a list of all file names and information into memory. The list can be expanded when additional volumes are searched. A comprehensive set of tools allows the user to instantly sort, sift, serialize, identify, delete, move, copy, compare, color, catalog, compress and even modify file attributes.

This versatile set of utilities works with floppies, hard drives, removeable media, CDs, tape backups, and shared volumes. If it is a formatted volume, DupLocator can help you organize it!

One of the primary reasons to use DupLocator is to locate and delete duplicate files that waste valuable space on your drives. It also shows directory paths where the duplicates exit in side-by-side screens. A continuous scanning feature allows the user to organize and catalog an entire library of floppies.

The *View Duplicate Files* command builds a window listing all files with the same name. In addition to the





filename, the window displays the type, creator, size, creation date and last modified date. With this information, plucking out and deleting dupes is a cinch. This feature also makes it easy to group files of the same kind, a feature known as batching.

As a space-saving tool alone, DupLocator would receive high marks, but it does far more. Files displayed in the main window can be batch-processed, allowing all files of one kind to be placed in the same folder. As an example, all files created in one database can be segregated in just a few seconds. Finding lost records was never easier!

Another space saving feature allows the user to compress all files in the Batch window into Stuffit or DiskDoubler archives. The Find command pinpoints all matches using words, creator, or label. Selected files can then be added to a batch previously created.

If all of this sounds complicated, it certainly is not. In fact, all of the screens have been created to give the user an intuitive understanding of the operations which are possible. A little experimenting and a few minutes with Balloon Help is all that is necessary to gain complete confidence and control of your files.

DupLocator has a number of other useful features including a SCSI Info command which displays all connected SCSI devices, then mounts each. There are a handful of reports detailing duplicates, a binary tree representation of your disk, and other reports which can be useful from time to time. Whether you use a MacPlus with an external 800K floppy or a network of Quadra's, DupLocator's clear, yet powerful interface of floating palettes, 3D buttons, color, sound and animation will make you more productive and better organized.

MacWeek gave DupLocator a very

good rating, four out of five in all categories reported. Here's the best part...Midnight Software has agreed to offer user groups a 40% discount of just \$59. (The retail price is \$99). In addition, they will include the first update free and a one-year subscription to *MacUser* or *Mac World* at no extra charge. The catch...they want your comments after trying out their product.

To order: Mail \$59, plus \$4.95 shipping/handling to Midnight Software, Inc., 351 West Davies Ave. North, Littleton, CO 80120. (*Colorado residents only include sales tax*). Be sure to tell them if you want *MacUser* or *Mac World*. If you are already a sub-

scriber, remember to include your mailing label so your subscription can be extended.

## PosterWorks

### Prints Posters to Billboards and More

PosterWorks is a specialized application for printing signs, displays, banners, posters, billboards and other large sized outputs by assembling printer-sized pages in grids otherwise known as tiles. The program works with PostScript printers and can output in both black and white or color. A few minutes at the keyboard reveals how easy it is to use and how

**Searched Files**

FILE NAME	TYPE	CRTR	CREATED	MODIFIED	SIZE
ApplePict	PICT	Bozo	8/23/88	2/18/93	47K
AppleShare	RDEV	afps	8/17/92	8/17/92	74K
AppleShare	RDEV	afps	8/17/92	8/17/92	74K
AppleShare PDS	BTFI	pds	4/24/93	6/7/93	8K
AppleShare Prep	afpp	afps	2/18/93	5/25/93	0K
AppleTalk	PROJ	KAHL	5/10/91	7/7/91	22K
AppleTalk ImageWriter	PRER	IWRX	3/4		
AppleTalk Remote Ac...	LTMC	nets	9/4		

**Volumes**

Types	% of Space Used	Count	Size
Applications		540	19,567
Documents		14	1,773
System		75	3,574
Font/DA		48	2,150
INIT/cdev			
<b>Totals:</b>		<b>693</b>	<b>29,873</b>

138 duplicate(s) on 'System' (25% for 7646K)

**B\*Tree**

- System
- Applications
- Data Files
- 10.Install
- 20.Install 2
- 30.Tidbits
- 40.Printing
- 50.Fonts
- Temporary ...

Screen shot showing the versatility of Duplocator.



powerful the advanced features are.

The basic operation is simple, but there are an endless variety of output choices. Most large displays can be tiled or assembled from lots of smaller pages which are assembled after being printed. Images as large as 10,000 square feet can be constructed, then trimmed and placed into position to achieve super-scale graphics. Imagine printing the side of a building 100 feet across and eight stories tall from your laser printer. Boggles the mind!

With the final dimensions appearing as a map on your screen, you can import EPS, TIFF or Scitex Continuous Tone files then arrange them as needed. Text can be placed as PostScript type using Illustrator or FreeHand. They can be resized, moved, and cropped as desired, then printed. PosterWorks supports laser printers, high resolution imagesetters, and a variety of color printers.

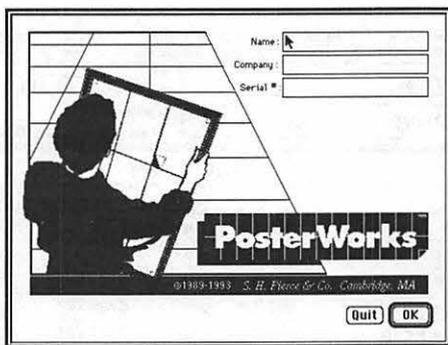
Beyond the common square and rectangular shapes, PosterWorks allows you to create custom and irregular shaped tiles which may be necessary in trade show displays and for other specialized requirements. The program comes with a library of templates for nearly everything from bus posters to full-size billboards. There is even a highly sophisticated set of color-correction, calibration and management tools which will challenge experienced users. Understandably, the quality of the results depends on several factors including the quality of the printer, the resolution of the printer and the distance the viewer is standing from the image.

Among the more advanced capabilities, PosterWorks can make color

corrections, configure gamma curve settings, handle UCR (under color removal), gray balance, screen angles and dot shapes. Additionally, it can produce a variety of output resolutions and line screens. The current version handles color-separated files created by Separator from Adobe.

Use PosterWorks with any of the Macintosh SE, II family, Performa family, Quadra family or Power-Book computers. It requires system 6.0.3 or later, a 20 MB hard drive and two megabytes RAM.

For more information, contact: S.H. Pierce & Co., Su. 323, Dept. MPN, Bldg 600, One Kendall Square, Cambridge, MA 02139. Telephone (617) 395-8350; fax (617) 395-1281.



## Small Blue Planet CD-ROM

Special User Group Prices for

### Unique Interactive Global Atlas

Small Blue Planet: The Electronic Satellite Atlas is both an atlas and an almanac which provides dramatic and detailed images of the earth. Students and adults have described it as an experience in learning and an adventure all at the same time.

Altogether there are three separate modules to explore. The Global Relief and the USA Relief Maps show land formations, plate tectonics, meteorology patterns, oceanography, volcanoes, glaciers and more. The World Political Map features information on the recently formed countries of Slovakia, Macedonia and the Czech Republic and was updated as of March 1993. A special inset map feature allows users to view both Relief Maps and the corresponding

Political Maps at the same time. As users change views from one geographical formation to the next, the political boundaries can be seen changing.

The Gallery Module presents dramatic photographs taken during various NASA missions. These depict both dramatic geological formations as well as man-made effects. One of the images is a visible spectrum DMSP satellite view of night illumination showing artificial light. The publisher, Now What Software, says users can join scientists discovering the previously hidden archaeological footprints which are only now being detected with the use of satellite technology. You will actually be able to see a ghost of the ancient camel trails faintly appearing in the Desert of Oman. A closer examination offers a satellite perspective which reveals the shrinking shoreline of the Aral Sea, the oil fires of the Middle East and the extent of clear cut timbering in the Pacific Northwest.

One particularly interesting feature is The Chronospheres which provides a moving pattern of day and night as the globe turns while showing viewers the time anywhere on the planet. Chronosphere is available separately on floppy disk for the Mac.

Users can circle the globe by pointing and clicking while zooming in on areas of interest. A simple globe and compass icon is provided for reference. Because of the demand for added zoom capabilities, in developing version 1.1, there has been added a whole new level of zoom to some of the major metropolitan areas. Images can be used in other applications by cutting and pasting into almost any drawing software. More than 500 annotations provide insight and background to these visuals and users can add their own comments with a note-taking tool.

To get the most from Small Blue



Planet, you will need an 8-bit 12/13 inch color monitor, a Mac with four megabytes of RAM, a CD-ROM drive and a mouse. The regular price of Small Blue Planet is \$199, but user group members can buy it for just \$129 with proof of membership. The Chronosphere on floppy is regularly \$59, but user group members get it for \$39. A Windows version is planned for September '93.

To order contact Eleesa Hager at Now What Software, 2303 Sacramento, Dept. MPN, San Francisco, CA 94115 or call (800)322-1954 or (414)885-1689. Use Visa, MasterCard, or check, add \$4 shipping and tax if a California resident.

## ShadowTech Introduces Mouse Wrist Rest

ShadowTech International, Inc., recently introduced an ergonomically correct wrist rest that caters to the heavy computer mouse users. The device, the Mouse Shadow, is a mobile cushioned wrist support which rests upon three rubberized rollers which allow the user to move his wrist freely while keeping the wrist straight.

Repetitive strain injuries (RSI) have been steadily increasing during the past ten years with the advances in computer technology. According to PC World (May 1993 issue), "The Bureau of Labor Statistics identified ergonomic disorders as the most rapidly growing category of work-related illness. In 1992, they accounted for 56 percent of illnesses reported to the Occupational Safety and Health Administration (OSHA). That compares with only 18 percent in 1981..."

The medical costs associated with RSI cases are staggering. Disabilities can range from \$10,000 to \$45,000

## Quicken Update

by Ralph Begleiter

In the August issue of the WAP Journal, I advised users of Quicken 3.0, one of the Mac community's most popular home and small business accounting programs, of an unadvertised "update." That update fixed a problem with running Quicken under System 7 when using large memory setups ("32-bit addressing").

Before my advisory reached your eyes, the developers of Quicken (Intuit, Inc.) had published a major new update: Quicken 4.

Quicken 4, the current version of the accounting program, adds a host of new features, though it retains Quicken's familiar (and sometimes confusing) look and feel. There are new options for different kinds of accounts (including stock portfolios) and new ways to display your finances (including previously-unavailable graphs and charts). There's even a kind of "intelligence" in Quicken that finishes typing entries before you do, based on your past history of records. Quicken 4 retains version 3's familiar patchwork of windows containing lists, registers, transactions, categories, merchants, accounts and so forth.

I've been using the new version of Quicken only a few weeks now, but it seems to operate every bit as quickly as before. It's been easy to make the switch over. Intuit provides a simple way to covert your old Quicken files, and basic aspects of the program operate as before. But I've not yet explored some of the deeper charting, planning and portfolio options available in Quicken 4.

By way of an update to my earlier information about obtaining support for Quicken 3.0, Intuit Technical Support Department Senior Macintosh staffer, Patrick Kennedy, says Intuit is ready to help any user having trouble with Quicken and System 7. You may obtain help by calling the Tech Support number listed in my August article: (415)858-6040. Intuit personnel at this number should be able to help with Macintosh-related problems. Kennedy cautioned that Intuit's "Customer Service" personnel (apparently distinct from "Technical Support") are better equipped to handle general inquiries about a product and should refer customers to "Technical Support" when users have detailed questions about Quicken.

Meantime, users of Quicken who wish to determine which version of the software they have may do so by choosing "ABOUT QUICKEN..." from the APPLE menu while running Quicken. When the info box appears, type OPTION-R. Quicken will display which "release" you are using. The System 7 "fix" for Quicken 3.0 is "release 9." The current (at press time) shipping version of Quicken 4 is "release 2."

Intuit can be reached at 66 Willow Place, P.O. Box 3014, Menlo Park, CA 94026-3014. Intuit's business phone is (415)322-0573. Technical Support is (415) 858-6040. Intuit says it is studying whether and how to implement an on-line address through CompuServe and/or America On Line.



for a single case. Other more serious disabilities that require surgery and long recovery periods can cost up to \$100,000.

Recuperation time for some RSI cases can take anywhere from 12 weeks to one year. As a result, some employees are taken out of their work environment for recovery or return to work but are limited by the amount of computer-related tasks that they can quickly resume.

Many computer companies are becoming increasingly aware of the increase in incidence of RSI and other computer related injuries. As a solution to the problem, they have begun to market ergonomically correct computer mice, but the cost can range anywhere from \$105 - \$179.

The Mouse Shadow, on the other hand, is an ergonomically correct wrist rest designed to help reduce fatigue and discomfort associated with the prolonged use of the computer mouse. It is not restricted by the type of computer or computer mouse one might currently own. But most attractive, is its nominal cost of \$14.99, plus shipping and handling. For more information on the product or to place an order, contact ShadowTech International, Inc., at 1-800-392-1402/(405) 536-7108. Dealer inquiries welcome.

## Edmark's Award-Winning Series' Latest: Bailey's Book House

Edmark Corporation, developer of *Millie's Math House* and *KidDesk*, has announced the addition of *Bailey's Book House* to its award-winning educational software line. *Bailey's Book House* combines the power of interactive technology with a unique set of proven learning techniques to encourage two to six year-olds to independently develop early-reading skills.

In the Book House, Bailey, a bespectacled cat and his neighborhood friends encourage kids to explore five exciting, interactive activities. Kids will learn letters, words, stories and rhyming as they design greeting cards and invitations, make stories and print booklets, create "new" Mother Goose rhymes, and animate animals that begin with every letter of the alphabet.

Bailey's house is language rich and full of written words, but non-readers will have no trouble: every word on the screen is read aloud, and each word in a sentence is highlighted as it is read. If kids want to hear a word

or sentence repeated, they merely point the mouse and click. *Bailey's Book House* is a great home for beginning readers: the animated adventures of Bailey's friends motivate and engage kids as they play, and the program's open-ended design allows children to explore and learn at their own pace.

"We want to help kids become avid learners who approach reading with curiosity and interest," says Sally Narodick, Edmark CEO. "Learning to read should be more than mastering phonics and memorizing words: it should be inspirational. *Bailey's Book House* is full of color, adventure, music and humor; it was designed to open up the rich world of reading to very young children and motivate them to want to learn more."

### Product Specifics

The software teaches a broad range of preschool to first-grade reading skills. There are five engaging activities in *Bailey's Book House* which are easily launched by clicking on a colorful object in Bailey's living room.

- **Exploring Self-Expression**—With *Kid's Cards* it's easy to find just the right words and illustrations for someone special. Kids create their own cards by choosing from among 24 greetings, invitations and messages, then decorate them with colorful stamps. Kids can print and color their cards, too!
- **Storytelling**—Kids become authors in *Make-A-Story*, and send Bailey's friends on wonderful adventures. The stories they create - filled with spaceships, flying carpets, jungles and monsters - are read aloud and can be replayed as often as kids like. Stories can be printed and folded into delightful storybooks.

*Continued on page 43)*

## SF 171 Software

**FEDERAL JOBLINK** - contains SF 171, SF 171-A, SF 172, SF 15, SSW 32, SSW 555, SSW 585, and SSW 800.

- 9 of 10 in WAP Review
- Forms appear on screen
- Modified pages for jobs
- Makes unlimited copies
- Prints form and answers
- Creates typeset 171
- SF 171 software since 1987
- Updated manual describes
  - Federal employment
  - Job descriptions
  - Personnel terms
  - Interview tips
  - Organizing a SF 171

**Career Advancement - only \$59.95**  
 (Add \$3.00 s/h; MD res. add 5% tax)  
**WAP Members get 10% discount**  
 Requires Macintosh and MacDraw;  
 specify version of MacDraw (1, II, Pro)  
 Printer must be able to print at 50% reduction  
**Questions???? Contact us .....**

**MULTISOFT RESOURCES**  
 P.O. Box 235  
 Washington Grove, MD 20880  
 (301) 977-6972



The Hotline service is only for members of the WAP. Please do not call after 9:30 pm or before 8:00 am.

## Apple II/III

### Apple II\*

**GENERAL**  
 Dave Harvey (days only) (703) 578-4621  
 Leon Raesly (days; 9-5) (301) 599-7671  
 Ken De Vito (703) 960-0786

### ACCOUNTING PACKAGES

BPI Programs  
 Jaxon Brown (301) 350-3283  
**BPI & Howardsoft (Tax)**

Otis Greever (615) 638-1525  
**Dollars & \$ense**  
 Barry Fox (717) 566-6709

**Home Accountant**  
 Leon Raesly (days; 9-5) (301) 599-7671

**Quicken**  
 Gary Hayman (301) 345-3230

**Apple SSC**  
 Bernie Benson (301) 951-5294

**AppleWorks**  
 Ken DeVito (703) 960-0786  
 Ray Settle (301) 647-9192

Harry Erwin (before 10 pm) (703) 758-9660  
 Gary Hayman (301) 345-3230

Leon Raesly (days; 9-5) (301) 599-7671  
 Bill Campbell (301) 498-6380

**AppleWorks Database**  
 Roger Burt (301) 424-6927

Morgan Jopling (301) 721-7874  
 Milt Goldsamt (301) 649-2768

Dan White (301) 449-3322

### COMMUNICATIONS

**ProTerm**  
 Allan Levy (301) 340-7839  
 Ray Settle (301) 647-9192

**Talk is Cheap/Pt. to Pt.**  
 Barry Fox (717) 566-6709

**DataBases**  
**DBMaster, Pro Ite**  
 Bob Sherman (305) 944-2111

**dBase II**  
 John Staples (703) 255-6955

**dBase II&III, Data Perfect, Db Master-PRO**  
 Leon Raesly (days; 9-5) (301) 599-7671

**Profiler 3.0**  
 Barry Fox (717) 566-6709

### HARD DISKS

**CMC (not CMS)**  
 Barry Fox (717) 566-6709

**Corvus & Omninet**  
 Tom Vier (703) 860-4810

**Corvus**  
 Leon Raesly (days; 9-5) (301) 599-7671

**Sider**  
 Otis Greever (615) 638-1525

### LANGUAGES

**General**  
 Dan White (301) 449-3322

**AppleSoft**  
 Louis Biggie (301) 967-3977

Peter Combes (301) 251-6369  
 Leon Raesly (days; 9-5) (301) 599-7671

**Pascal**  
 Michael Hartman (301) 445-1583

**C and TML Pascal**  
 Harry Erwin (before 10 pm) (703) 758-9660

### OPERATING SYSTEMS

**ProDOS 8 and 16**  
 Barry Fox (717) 566-6709  
 Dan White (301) 449-3322

**Print Shop**  
 Thomas O'Hagan (301) 593-9683

### SPREADSHEETS

**General**  
 Walt Francis (202) 966-5742

**MagicCalc/SuperCalc2.0**  
 Leon Raesly (days; 9-5) (301) 599-7671

**Telecommunications**  
 Dale Smith (301) 762-5158  
 Allan Levy (301) 340-7839

Ken De Vito (703) 960-0786  
 Dan White (301) 449-3322

**TimeOut Series**  
 Morgan Jopling (301) 721-7874

**Utilities:ProSel**  
 Barry Fox (717) 566-6709

**CROSS-PLATFORM TRANSLATION**  
**MS/DOS-Apple-Mac Transfers**  
 Ken De Vito (703) 960-0786

### WORD PROCESSORS

**General**  
 Walt Francis (202) 966-5742

**Apple Writer II**  
 Dianne Lorenz (301) 530-7881

Leon Raesly (days; 9-5) (301) 599-7671

**AppleWorks GS**  
 Roger Burt (301) 424-6927

A.D. (Bill) Geiger (703) 237-3614  
 Andy Gavin (703) 734-3049

**Letter & Simply Perf**  
 Leon Raesly (days; 9-5) (301) 599-7671

**Mouse Write**  
 Barry Fox (717) 566-6709

**Publish-It!**  
 Gary Hayman (301) 345-3230

Ray Settle (301) 647-9192

**ScreenWriter II**  
 Peter Combes (301) 251-6369

Gene Carter (202) 363-2342

**Word Perfect**  
 James Edwards (301) 585-3002

Henry Donahoe (202) 298-9107

**Word Star**  
 Art Wilson (301) 774-8043

### Apple IIGS\*

Neil Laubenthal (703) 691-1360  
 A.D. (Bill) Geiger (703) 237-3614

**General**  
 Barry Fox (717) 566-6709

**Ile Upgrade**  
 Morgan Jopling (301) 721-7874

**APW**  
 Andy Gavin (703) 734-3049

Leon Raesly (days; 9-5) (301) 599-7671

**Deluxe Paint II**  
 Rich Sanders (703) 450-4371

### GS BASIC

Barry Fox (717) 566-6709

**Multiscribe GS**  
 Ray Settle (301) 647-9192

### TELECOMMUNICATIONS

Dale Smith (301) 762-5158  
 Allan Levy (301) 340-7839

Bob Sherman (305) 944-2111

**TCS Help**  
 Dale Smith (301) 762-5158

Nancy Seferian (202) 333-0126  
 Paul Schlosser (301) 831-9166

**MouseTalk**  
 Dale Smith (301) 762-5158

Ray Settle (301) 647-9192

**TimeOut Series & Utilities: ProSel**  
 Ray Settle (301) 647-9192

Barry Fox (717) 566-6709

**816 Paint/Writ'rs Ch.El**  
 Andy Gavin (703) 734-3049

**Apple II Hardware, Epson printers, hard drives**  
 Guy Durant (202) 363-0366

**Apple II laser printing**  
 Bob Sherman (305) 944-2111

### Apple III\*

**General**  
 Jim Jutzin (703) 790-1509

Dave Ottalini (9:00-10:30 pm) (301) 681-6136

**3 Easy Pieces**  
 Robert Howe (916) 626-8198

David/Joan Jernigan (before 9 pm) (703) 822-5137

Steve Truax (304)-267-6429

**Word Juggler**  
 Tom Linders (408) 741-1001

J. Carey McGleish (evenings) (313) 332-8836

**Pascal**  
 Dr. Al Bloom (703) 951-2025

**Apple Speller**  
 Robert Howe (916) 626-8198

**AppleWriter**  
 Eric Sheard (908) 782-6492

**Stemspeller**  
 Steve Truax (304)-267-6429

## Beagle Buddies

### MARYLAND

Ray Settle (Annapolis) (301) 647-9192

Scott Galbraith (Frederick) (301) 865-3035

W. T. Cook (Columbia) (301) 995-0352

Gary Hayman (Greenbelt) (301) 345-3230

Lee Raesly (Adelphi) (301) 599-7671

Dan White (301) 449-3322  
 Don Avery (Bethesda/DC) (202) 362-1783

### VIRGINIA

Kenneth De Vito (Alexandria) (703) 960-0786

Neil Laubenthal (703) 691-1360

## Frederick Apple Core Help Line

Please limit calls to reasonable evening and weekend hours and NEVER after 10 P.M.

Oscar Fisher (Frederick)	694-9237	A2, GS	Doug Tallman (Frederick)	663-3268	Mac
Dick Grosbier (Frederick)	898-5461	A2, GS, Mac	Scott Galbraith (Monnina)	865-3035	A2, GS
Harold Polk (Frederick)	662-6399	A2	J. Russell Robinson (Hagerstown)	739-6030	Mac
Tony Svajlenka (Frederick)	694-6209	A2	Ken Carter	834-6515	A2, GS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

# October 1993

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
31					1	2 Annapolis Slice
3	4 PI SIG	5 TeleComm SIG	6 Mac Program- mers SIG DTP SIG	7 Columbia Slice Game SIG	8	9 Frederick Slice
10	11 <i>Intro to the Mac-Part 1</i>	12 <i>Intro to Quark</i>	13 DB SIG WAP BoD	14 <i>Writer's Deadline</i> W Stock SIG	15	16
17	18 <i>Intro to the Mac-Part 2</i>	19	20 Excel SIG UM SIG	21 Women's SIG	22 <i>Editor's Deadline</i> E	23 WAP General Meeting AW SIG
24	25 <i>Intro to the Mac-Part 3</i> IIGS SIG - Va	26	27 NoVa Ed SIG <i>Maintaining Your Mac</i>	28	29	30

# November 1993

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1 PI SIG	2 TeleComm SIG	3 Mac Program- mers SIG DTP SIG	4 Columbia Slice Game SIG	5	6
7	8 <i>Intro to the Mac-Part 1</i>	9	10 DB SIG WAP BoD	11 Stock SIG	12	13 Annapolis Slice Frederick Slice
14	15 <i>Writer's Deadline</i> W NoVa Ed SIG <i>Intro to the Mac-Part 2</i>	16	17 Excel SIG HyperTalk SIG	18	19	20 WAP General Meeting AW SIG
21	22 <i>Intro to the Mac-Part 3</i> IIGS SIG -NIH	23 <i>Editor's Deadline</i> E	24 <i>Maintaining Your Mac</i>	25 <i>Thanksgiving</i> WAP Office Closed	26 <i>WAP Office Closed</i>	27
28	29	30	31			

## Meeting Notices

*Unless otherwise noted, call the SIG chairs or Slice officers for meeting information. A list of the SIG and Slice chairs is on page 4 of every Journal. Calendar events in italics are tutorials, workshops, or seminars.*

### **Annapolis Slice**

2nd Saturday; 9:30 AM; Severna Park Library on McKinsey Rd (off Rt 2), Severna Park, MD.  
 CrabApple Newsletter: (410) 647-0802, Severna Park  
 Membership InfoLine: (410) 761-4260, Glen Burnie  
 CrabApple BBS: (410) 553-6929, Severna Park

### **Apple IIGS SIG**

Monday after the WAP General Meeting; 7:00 PM; McLean Government Center, 1437 Balls Hill Rd., McLean, VA (even months) and NIH (Bldg 31, C Wing, 6th Floor, Conference Rm 9), Bethesda, MD (odd months).

### **Apple III SIG**

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

### **AppleWorks SIG**

8:15 AM on WAP General Meeting Saturday, at meeting site.

### **Columbia Slice**

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

### **DataBases (Mac) SIG**

2nd Wednesday; 7:15 PM; Computer Science Corporation, 3160 Fairview Park Drive, Merrifield, VA (Just inside the Beltway at the rt 50 junction).

### **DeskTop Publishing (DTP) SIG**

1st Wednesday; 7:30 PM; PEPCO Auditorium, 1900 Pennsylvania Ave. NW, DC.

### **Education(Ed) SIG**

4th Thursday; 7:30 PM; WAP office.

### **Excel SIG**

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

### **Frederick Slice**

2nd Saturday; 10:00 AM; Frederick Mall.

CrackerBarrel BBS (301) 662-3131.

### **Game SIG**

1st Thursday; 7:30 PM; WAP office.

### **HyperTalk SIG**

meets bi-monthly on the 3rd Wednesday of the odd numbered months (i.e., January, March, May, July, September and November) at the Fairlington Community Center, 3300 South Stafford St., Arlington, VA at 7:30 pm.

### **Mac Programmers**

1st Wednesday; 7:30 PM; WAP office.

### **NOVA Apple II & Mac Educators' SIG**

Last Wednesday; 7:30pm; Walnut Hill (7423 Camp Alger Av, Falls Church, Va.)

### **Programmer's Interface(PI) SIG**

1st Monday (except Mon. holidays). Call.

### **QuickTime SIG**

Every other month; 7:30 PM; WAP Office.

### **Stock SIG**

2nd Thursday; 7:30 PM; WAP office.

### **Telecomm SIG**

2nd Wednesday; 7:30 PM; WAP office.

### **UltraMacros SIG**

Monthly meetings at various locations and on various dates. Call Gary Hayman, (301) 345-3230, for meeting details.

### **WAP Garage Sale**

June and December.

### **WAP General Meeting**

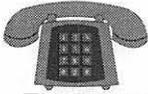
4th Saturday; 9:00 AM; Northern Virginia Community College, Annandale Campus, Community Cultural Center Auditorium.

### **Women's SIG**

Call the Pi office for time and location.

---

**Notice:** Plans change! Anyone with calendar information please call the Calendar Editor, Bill Wydro (301) 299-5267, the Managing Editor, Debbie Hoyt (703) 450-0714, or Beth Medlin at the WAP office (301) 654-8060.



The Hotline service is only for members of the WAP. Please do not call after 9:30 pm or before 8:00 am.

## Macintosh

### GENERAL

Tom Witte (703) 683-5871  
 Jon Hardis (301) 330-1422  
 Dan White (301) 449-3322

### Art & Video

Nancy Seferian (202) 333-0126

### Borland Products

Doug Ferris daytime only (800) 826-4768

### DATABASE PROGRAMS

#### Fourth Dimension

Bob Pulgino (301) 474-0634  
 Peter Yared (301) 718-0266

#### FileMaker Pro

Tom Parrish (301) 654-8784  
 Mort Greene (703) 522-8743

#### Foxbase

Rick Shaddock (202) 829-4444

#### Helix

Jim Barry to midnight (703) 662-0640  
 Harvey Levine (301) 299-9380

#### MS-File

John Spencer (301) 730-1084  
 Mort Greene (703) 522-8743

#### Omnis 7

Jeff Alpher to midnight (301) 630-2036

#### OverVue

J.T. Tom DeMay, Jr. (301) 461-1798  
 Tom Parrish (301) 654-8784

#### Pro-Cite

Elizabeth Mangan (703) 750-2710

### DESKTOP PUBLISHING

#### General

Jay Rohr (301) 655-0875  
 Freddi Galloway (V/TTY) (410) 268-5793

#### ReadySetGo

Jim Graham (703) 751-4386  
 Freddi Galloway (V/TTY) (410) 268-5793

#### PageMaker

Mort Greene (703) 522-8743

#### Quark Xpress

Ron Mann (202) 333-3409

### GRAPHICS

#### General

Bill Baldrige (301) 779-8271  
 Jay Rohr (301) 655-0875

#### Adobe Illustrator

Ling Wong (703) 803-9109

#### Aldus FreeHand

Nancy Seferian (202) 333-0126

#### Canvas

Bill Baldrige (301) 779-8271  
 Tom Parrish (301) 654-8784

#### MacDraw

Tom Berilla (301) 434-3256  
 Tom Parrish (301) 654-8784  
 John Spencer (301) 730-1084

#### ImageStudio

Mort Greene (703) 522-8743

#### Studio/1

Jamie Kirschenbaum evenings (703) 437-3921

#### SuperPaint 2.0

Mort Greene (703) 522-8743

#### VideoWorks

Mort Greene (703) 522-8743

### PROGRAMMING

#### Ada

Harry Erwin (before 10 p.m.) (703) 758-9660

#### C

Harry Erwin (before 10 p.m.) (703) 758-9660

#### Fortran

Harry Erwin (before 10 p.m.) (703) 758-9660

#### Inside Mac

Jon Hardis (301) 330-1422  
 John Love (703) 569-2294

#### Pascal

Harry Erwin (before 10 p.m.) (703) 758-9660  
 Michael Hartman (301) 445-1583

#### SMALLTALK-80

Harry Erwin (before 10 p.m.) (703) 758-9660

### SPREADSHEETS & CHARTS

#### General

David Morganstein (301) 972-4263  
 Bob Pulgino (301) 474-0634  
 Tom Cavanaugh (301) 627-8889

#### Excel

David Morganstein (301) 972-4263  
 Mark Pankin (703) 524-0937

Jim Graham (703) 751-4386

Dick Byrd (703) 978-3440

Bob Pulgino (301) 474-0634

Tom Cavanaugh (301) 627-8889

Paula Shuck before 10pm (301) 740-5255

Kirsten Sitnick (301) 750-7206

Mort Greene (703) 522-8743

Rick Shaddock (202) 829-4444

#### WingZ

Kirsten Sitnick (301) 750-7206

### TELECOMMUNICATIONS

#### General

Allan Levy (301) 340-7839

#### CompuServe

Michael Subelsky (301) 949-0203

### WORD PROCESSORS

#### Microsoft Word

Harris Silverstone (301) 435-3582  
 Tom Cavanaugh (301) 627-8889

Freddi Galloway (V/TTY) (410) 268-5793

Kirsten Sitnick (301) 750-7206

#### ThinkTank-More

Jim Graham (703) 751-4386  
 Tom Parrish (301) 654-8784

#### Hebrew Word Processing

Tim Childers (301) 997-9317

#### Microsoft Works

Amy Billingsley (301) 622-2203

#### WordPerfect—Mac

Curt Harpold (202) 547-8272

### MISCELLANEOUS

#### lle Card for the LC

Bernie Benson (301) 951-5294

#### MacProject

Jay Lucas (703) 751-3332  
 Norbert Pink (703) 759-9243

#### HyperCard

Rick Chapman (301) 989-9708  
 Tom Witte (703) 683-5871

#### HyperTalk

John O'Reilly (703) 204-9332  
 Tom Witte (703) 683-5871

#### File Transfer

Mort Greene (703) 522-8743

#### Backfax

Mort Greene (703) 522-8743

#### HyperCard Scripting

Jamie Kirschenbaum evenings (703) 437-3921  
 Richard Kozloski (703) 352-1523

#### SoundEdit

Jamie Kirschenbaum evenings (703) 437-3921

### MAC DISKETERIA LIBRARY

Dave Weikert (301) 963-0063

## General

### Assistive Tech

Missy McCallen (703) 323-6079

### Games-Apple II

Charles Don Hall (703) 356-4229  
 John Wiegley after 2:15 (703) 437-1808

### IBM

Leon Raesly (301) 599-7671

### Math-OR Applns

Mark Pankin (703) 524-0937

### Modems-General

Allan Levy (301) 340-7839

### Hayes Smartmodem

Bernie Benson (301) 951-5294

### Practical Peripherals

Allan Levy (301) 340-7839

### Printers-General

Walt Francis (202) 966-5742  
 Leon Raesly (301) 599-7671

### MX-80

Jeff Dillon (301) 662-2070

### Stat Packages

David Morganstein (301) 972-4263

### Stock Market

Robert Wood (703) 893-9591

### MS/DOS

Tom Cavanaugh (703) 627-8889

### Dvorak Keyboard

Ginny & Michael Spevak (202) 244-8644

\*\*\*FREDERICK APPLE CORE HELP LINE MOVED TO PAGE 39.\*\*\*

## Annapolis Slice Help Line

Area Code 410 Call in the PM unless you have an emergency.

### Mac

Richard MacLean (Crofton)	410-721-8157	MacIIsi	Bill Waring (Severna Park)	410-647-5605	Mac,Excel
Steve Toth (Edgewater)	410-956-6557	Mac+	Helen Hamerstrom (Severna Park)	410-647-1720	Mac, CD-ROM
Bob Peterson (Crofton)	410-721-9151	MacSE			
Sandy Bozek (Annapolis)	410-849-5232	MacII, DTP			
Lou Sapienza (Crownsville)	410-923-3415	MacIIsi,Canvas			
Barry Conner (Annapolis)	410-573-7140	Mac, Telecomm			
Brian Bassindale (Annapolis)	410-757-9541	Mac IIsi, CAD			
Gini Waters (Crownsville)	410-923-0139	Mac+, DTP			
Lou Sapienza (Crownsville)	410-923-3415	Mac IIsi, DTP			
Bill Derouin (Severna Park)	410-766-1154	Mac+, DTP			

### Apple II

Seth Mize (Clen Burnie)	410-766-1154	IIGS,II+,III
Louise Tanney	410-647-0875	IIGS, AW
Helen Hamerstrom (Severna Park)	410-647-1720	IIGS, lle,DTP,HS
Manse Brouseau	410-757-5215	Ile,AW
Bill Derouin	410-647-0802	Ile,pc,AW,DB
Dick Stewart (Millersville)	410-987-2057	Ile+



(continued from page 38)

- **Making Rhymes**—Rub a dub dub, three kids in a club? Hickory, Dickory Dock. The Mouse ran up the sock? In *Read-A-Rhyme*, Mother Goose rhymes take a new twist when kids give the familiar verses zany new endings.
- **Learning the Alphabet**—Kids have fun learning the ABCs with the animated, talking *Letter Machine*. At the touch-of-a-letter, Dinosaurs dance, Rhinos rollerskate, and much more!
- **Understanding Prepositions**—Kids direct the action as they send Edmo, the clown, and Houdini, his acrobatic dog, over, under, in, out, off, and on — it's the perfect introduction to important words.

*Bailey's Book House* help children develop two important types of thinking skills. In the "Explore and Discover" mode, children build divergent thinking skills that promote creativity and inventiveness. With curiosity as their guide, children will explore as they learn letters, make cards, learn prepositions, develop stories and create rhymes — all at their own pace.

In the "Question and Answer" mode, animated characters ask children to answer a question or perform a specific task. This mode gives children the opportunity to practice specific skills and to demonstrate an understanding of a particular concept, building convergent thinking skills that promote problem solving and logical analysis.

patible computers at the suggested retail price of \$49.95 and can be purchased at major software retailers and through software catalogs in late June.

### A Free Software Guide for Parents

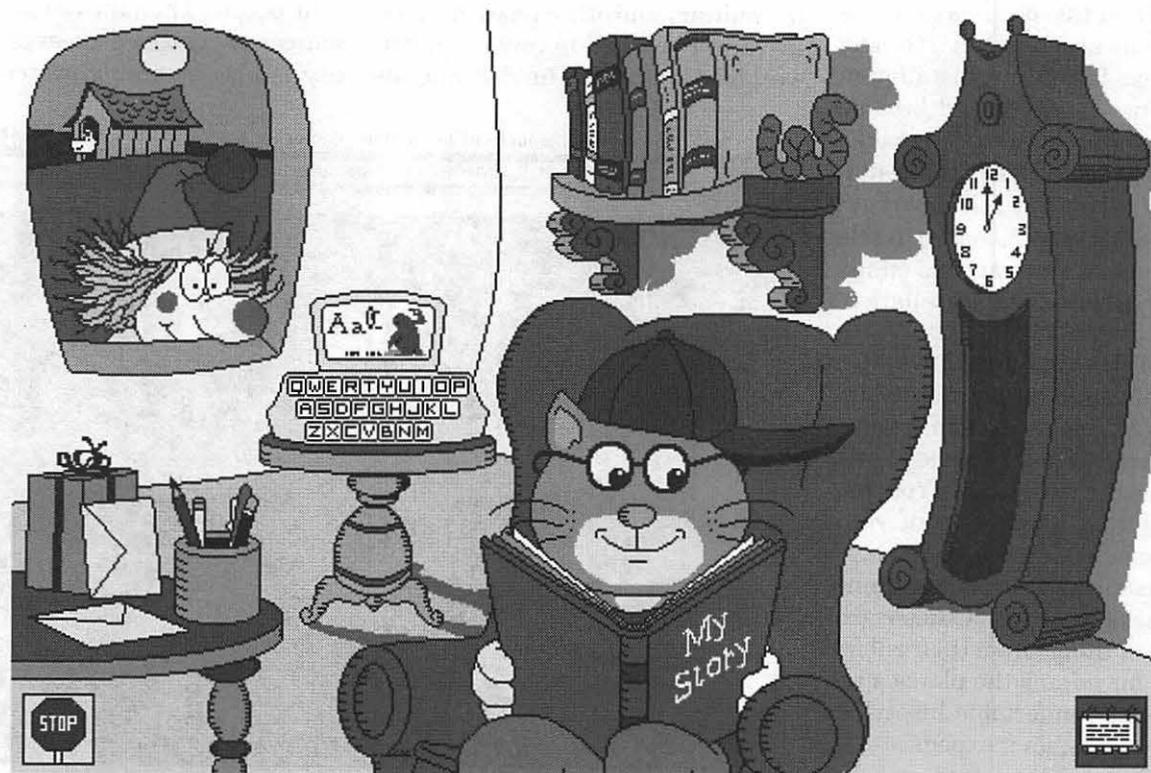
To assist parents in selecting children's educational software, Edmark's team of educators has developed the *Parent's Guide to Educational Software*. Offering criteria to help parents evaluate the educational and technical merits of educational software, the *Parent's Guide to Educational Software* can be ordered at no cost by calling 206-556-8484.

*[The foregoing mini reviews of Macintosh software and hardware was provided by the MacPublicity Network of Vista, CA. Feel free to contact them about any of the offers that you are interested in at (619) 941-4100.]*

### Product Availability

**Two Modes of Learning**  
The two modes of learning in

Bailey's Book House is available for both Macintosh and IBM/Com-



Screen shot from *Bailey's Book House*, a new interactive software title from Edmark.



# The Emperor's Game



by David Oliver

**D**id you find yourself rooting for the evil Emperor in *Star Wars: The Return of the Jedi*? If you did, then *Pax Imperia* by Changeling Software is for you. *Pax* is a "Galactic Empire Simulation" in which you can try your hand, as Emperor, at running a star system or two.

## Installation

Running a star system is no Sunday drive in the country and neither is the software installation. I have installed many different Macintosh programs and this one has to be the most non-intuitive yet. I strongly suggest you follow the Installation instructions! I did not and became instantly confused when I was asked for the FINAL segment of the installation file before any other parts of the archived files were loaded! Aside from this quirk, *Pax* ran fine on my Ilex upon its successful installation.

## No Stroll Through the Universe

The premise of the game is empire building. At the start of the game, you have your very own home planet in your own star system. You are master of the inhabitants of your home planet who build your ships and infrastructure as well as mine your planet's resources. Citizens expect certain things from their rulers in return for mining the planet's resources, e.g., comfortable lifestyles, material objects, an inexpensive yet tasty and nourishing food supply, etc. All of these things require re-

sources of one form or another. Unfortunately, a planet is not an endless source of resources. What does this mean to you, as ruler? Well, these facts, combined with your own nature as a despot, er, I mean ruler, determine how you are going to fare in *Pax*.

You can choose to be a benevolent or malevolent ruler. Have you always wanted to show how the world should be run? Go ahead, have your fun. As ruler, you determine how much to tax your citizens, to spend on infrastructure (i.e., quality of life), the military and other types of R&D. Have you yearned to conquer other worlds? Go ahead. Build a mighty

space faring fleet and conquer away! Of course, each path you choose to follow has its rewards and failures. Just as no man (or woman) is an island, no player plays by himself. You have to challenge the Macintosh or other human players.

## A Little Help from Your... Friends

In *Pax*, you score points based on one of four playing styles:

1. Economic
2. Military
3. Technology
4. Exploration

For example, if you choose an Economic style of play, you score points based on the number of factories, cities, ports, dollars and resources you've accumulated. The 83 page manual gives you a well-structured, thorough data dump on how your various actions affect play. As an example, spending too little on infrastructure reduces the efficiency of your people. Thus the amount of resources you gather decreases. If your city is also becoming overcrowded,

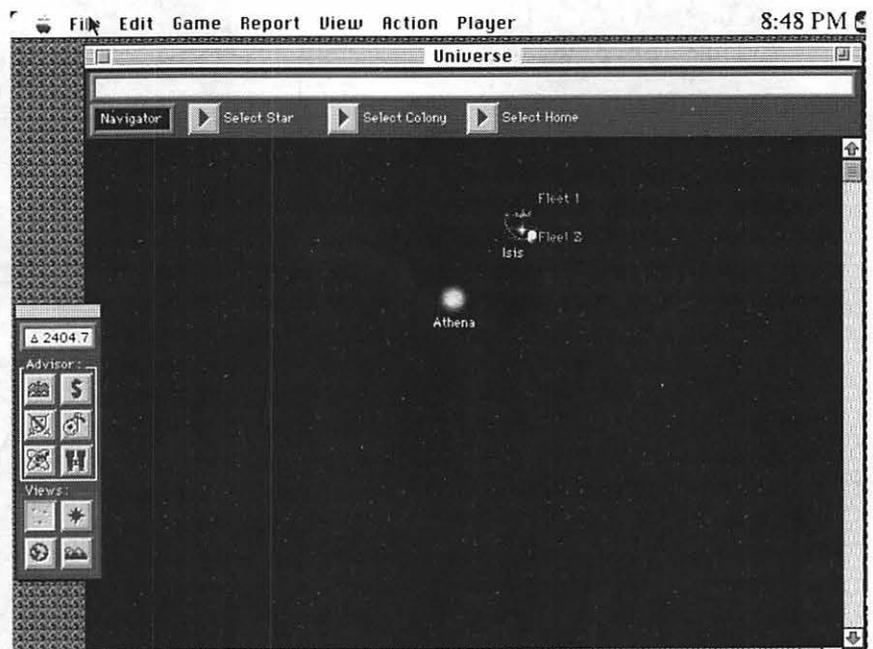


Figure 1—A snapshot of the Universe view

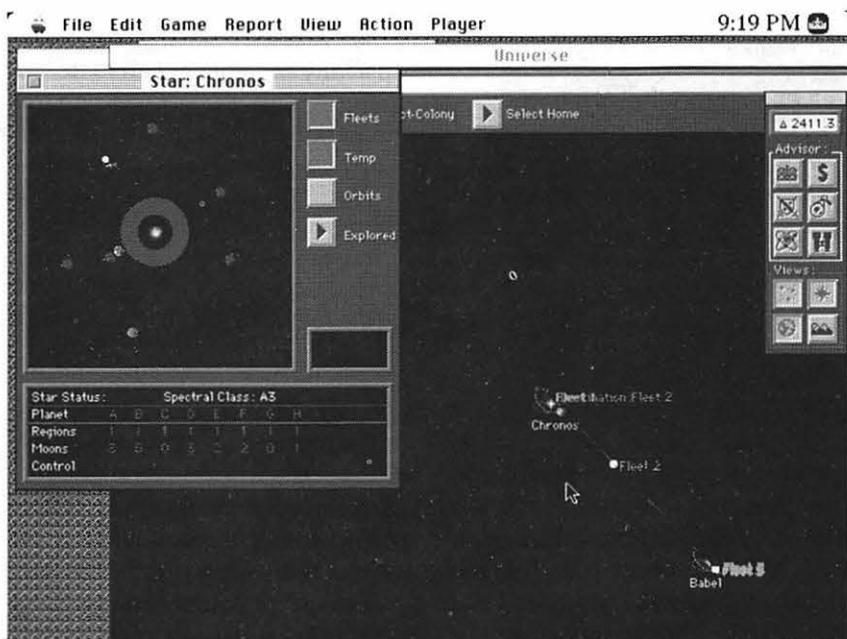


Figure 2—A snapshot of both a star system view and a snapshot of a fleet traveling from one location to another.

this adds to the inefficiencies and public dismay. Build a new city to alleviate these you say? This costs money (i.e., resources). So you need to have enough funds (and resources) available to do this. You manage to acquire the needed resources only to discover that your supply is now severely depleted. It sounds like its time to leave the nest.

As you can see, managing all of this can be difficult, especially if you enjoy sleeping. That's where your cabinet officials come in. Novice players have these assigned; advanced players are allowed to choose their own. The role of your advisors is to take care of the day to day niceties. You have advisors for each of these areas:

- 1) Protocol - for establishing contact with interplanetary neighbors
- 2) Defense - for fleet building
- 3) Science - for new technology R&D
- 4) Economy - for help with your empire's financial affairs

- 5) Exploration - for help with exploration and management of off world colonies
- 6) Espionage - for insight into what your opponents are doing

As an example, when you make contact with an inhabited system in the course of your travels, you may declare war or peace, set up trade agreements or just send messages to the system's ruler through your Protocol advisor. Once contact is established, you can use your Espionage advisor to bribe or assassinate your opponents' advisors (Sounds fun, huh?). Its all up to you, but remember, everything you do requires funding.

#### Game Action

So your advisors help you make decisions. But what decisions (actions), are available? Well, you could remain a couch-potato and manage your own little portion of the Universe, but you would eventually run out of raw materials. There are more options available to you when you choose space travel. So you decide to leave, what happens next?

Once you reach your destination, your actions differ based on whether or not the star system is inhabited. If uninhabited, then add another star to the flag. You land, populate the planet with your citizens and start building infrastructure and mining resources. Eventually you build spaceports, bases (to protect your new colony from your opponents) and move on to the next bit of space. Of course, if the planet is inhabited, then you have to choose wisely. You can still carry out the same tasks as above, provided there are no bases protecting the planet. If a base is present, then you need to go to battle before you can land. "Battle" consists of assaulting or raiding an inhabited planet. Assaults target bases, raids target infrastructure. Once bases are destroyed, then you can land.

If you think your worries are over once you've "defeated" your opponent, then guess again. When you land your citizens on your opponent's inhabited turf, you only conquer the occupants of the region you invade. If the planet has multiple regions, your opponent still has access to his citizens in other regions. As populations increase, they spread out. This leads to contact between occupants of a planet. What could ensue is a Migration War. This is a war in which one group tries to infiltrate and conquer another area. You can bring in reinforcements or concede defeat. Either way you will lose citizens. In more advanced games, you are allowed to design your citizen species. This gives one the ability to counteract Migration Wars by designing a high reproduction rate in your species to combat against Migration Wars by enabling you to (eventually) overwhelm your opponent with your people.

#### And the Universe Grows Smaller

By now you can start to get a sense that *Pax* can become a pretty intense and complex game. What adds to



Figure 3—A snapshot of the planet surface with city, base, factory and shipyard icons.

*Pax's* appeal is that it is laden with graphics. If you thought that all action resembled the old *Zork* game interfaces, then think again. Each action is accompanied by graphic animation. There are pictures of each of your advisors, the ships in your fleet (including propulsion systems and armament), planet surfaces, maps of the Universe (figure 1), etc. For example, when the planet surface view is chosen, you see bases, cities, ports and shipyards. These images are represented by different icons on the planet surface (figure 3).

To add to the visual bonanza, *Pax* includes sound. When you launch *Pax*, you are treated to a clip from *Mars, The Bringer of War* (one of the movements of Gustav Holst's *The Planets*). Additionally, the advisors talk to you when you ask them for reports. For instance, the Protocol advisor tells you when a channel has been opened with other rulers.

As stated earlier, you play against the Macintosh or against other players (up to 16 total can play). The changes that result from your ac-

tions are not updated until all players have taken their turn. One player could theoretically play forever but this is unlikely because to continue play, you need money (i.e., resources). Since your resources are not updated until everyone has played a turn, your play ends when you run out. So you need to let others play so that updates occur.

I enjoyed playing *Pax* very much, feel it is a well-rounded game and would highly recommend it as an addition to any game collection. The game's complexity and richness of features makes for endless variations of the basic game. Because of this complexity, *Pax* has a fairly steep learning curve, at least to play it to its full potential. I think most Junior High school students and above would enjoy and be able to learn this game. I especially recommend it for fellow Sci-Fi buffs and people familiar with *Dungeon & Dragons*. and *Risk* type

games. *Pax* is relatively inexpensive, especially considering all of its beautiful graphics. Expect to be up many late nights conquering the Universe!

**Name:** Pax Imperium

**Vendor:** Changeling Software

**System Requirements:** Mac Plus or later, Hard disk w/ 5 Mb of free space, 1 MB RAM, System 6.0.4 or later, Color monitor recommended but not required

**Discount Price:** \$35

## LEARN A FOREIGN LANGUAGE!

It's **EASY** with Software from HyperGlot!  
The most complete line of foreign language software for the Macintosh available anywhere. Our products are used extensively in universities and by individuals throughout the world!



SPANISH-FRENCH-JAPANESE-GERMAN  
RUSSIAN-ITALIAN-ENGLISH-CHINESE

To Order, or to receive a free catalog, call  
**1-800-800-8270**

or write:  
P.O. Box 10746  
Knoxville, TN 37939



# HyperGlot

the foreign language software company.



## New Files on the TCS

by Lawrence I. Charters

### *Ka-Boom!*

#### New Macintosh Files on TCS: TNG

August 21 saw the “coming out” of the “new” Washington Apple Pi Telecommunications System (TCS), with two new phone lines, a vastly expanded storage system, and not one, but two different network topologies. Most of this will be irrelevant to the average user; instead, when you call, you’ll notice that there are more high-speed phone lines and an order of magnitude more goodies to download.

Those who were there at the unveiling (meaning “there” in the cramped closet that houses the equipment) noticed a definite trend: virtually everyone ignored the message sections and immediately headed for the Files area — where they seemed stunned by the expanded offerings. Once they recovered from the shock, people seemed intent on filling up their hard drives as fast as possible, suggesting that this Christmas will see a boom in add-on hard drives for Pi members.

But while you thrill to the fine selection of digital delights, don’t forget that the TCS is a *communications* system, so communicate. Don’t forget to leave questions— and answers—on how to get the most out of your hardware and software. Post movie reviews, political commentary, *good* puns and jokes. Remember that the TCS is the Pi’s “24 hour General Meeting,” and a dandy multi-user intelligent answering machine.

I’ll take this opportunity to also

thank the members of the TCS Committee for their efforts in bringing the new system on-line. The Committee is composed of a dozen very bright, overly-talented individuals who rarely agree on anything, love to nit-pick, tell bad jokes and worse puns, and have atrocious taste in restaurants. But they also have a strong sense of community, and of service, and bring together an extraordinary array of skills and talents to make the TCS — the old one and the new one — thrive and prosper.

In particular, my role as Mac File Penguin (formerly Mac File Master) has been ably assisted, and sometimes supplanted, by Rick Zeman, with David Page in a strong supporting role. For months, Rick has been filling up his hard drive with megabytes of information, and transferring them very patiently and steadily to the new TCS, while also keeping me on my toes by correcting my errors and oversights. David, at my request, created directory entries for over 500 MOD files I’d uploaded, and also uploaded a virtually complete set of TidBits issues for the past few years.

And now for the standard disclaimer: this listing represent only a small portion of the constantly changing library of files available for downloading. Call the Pi Office at 301-654-8060 for information on how to subscribe to the Washington Apple Pi Telecommunications System.

#### Apple System Software

**HARDWARESYS.SIT:** Hardware System Update 2.0 is recommended for all users of System 7.1 no matter what model Mac you use. Fixes various hardware/software flaws.

**MACINTALK.SIT:** MacInTalk Pro is Apple’s newest incarnation of their text-to-speech processing. Archive also includes the new Speech Manager; documentation is in DocMaker format. [A five megabyte archive in six parts.]

**MONENSAV.SIT:** Monitor Energy Saver,

Apple’s latest version of their Energy Saver software designed for lowering power consumption on Energy\*Star Macs. Needs suitable Mac and monitor (Color Classic, LC 520, etc.).

**SNMGR3.SIT:** Apple’s Sound Manager, v.3. Replaces existing Sound Manager and handles more variety of sound in a more efficient manner.

**STYLEWRITER.SIT:** StyleWriter I driver, v.7.2.3, latest version of Apple’s StyleWriter I driver.

**SWUTIL.10.SIT:** Software Utilities v.1.0, HD SC Setup 7.2, Disk First Aid 7.2 (with a new interface) and MacCheck, Apple’s first widely released diagnostic utility.

**THREADMAN12.SIT:** Thread Manager 1.2; add multi-threading capabilities to System 7. Also includes technical documentation and coding examples.

#### GIF Graphics

Several hundred GIF (Graphics Interchange Format) pictures are available, including art, political satire, pictures of stars (extraterrestrial and terrestrial), flowers, planes, cars, and lots of people.

#### JPEG Graphics

**JURASSIC.JPG:** wonderful, witty poster describes how Silicon Graphics computers were used to “build a better dinosaur.” While the movie Jurassic Park even included Thinking Machines’ logo in the credit, virtually all the animation was done on Silicon Graphics and Apple Macintosh computers — the Thinking Machines computer was used basically as a prop.

**ANSELADAMSPHOTO:** stunning photo of Yosemite by Ansel Adams.

#### MOD Music

Over 500 MOD selections are available, possibly the largest MOD collection in the known universe (but then again, we didn’t look very hard). With the right software, you can play these on your Mac in the background while using your telecommunications package to talk to the TCS.

#### Newton

**MINITOOL.SIT:** programmer’s utilities on the Newton; this small but growing set of FreeWare utilities for the Newton currently includes functions to clean and



compact memory, execute any NewtonScript command (use with care) and display information about memory, battery power and temperature in a more accessible way than the system does. By Howard Oakley.

### Mac Essentials

**STUFFIT.EXPANDE:** Stuffit Expander v3.03 — July 23, 93; new release of Stuffit Expander to fix the problem with failure of the Drag & Drop feature of v3.02 on some Macintosh models. **HIGHLY RECOMMENDED!** Stuffit Expander can decompress virtually all Mac archives on the TCS: Compact Pro, Stuffit, Stuffit Lite, Stuffit Deluxe, AppleLink and even BINHEX (we don't even allow most of these).

### Mac Utilities

**TIMEDRIVE12.SIT:** hard disk benchmark utility by the author of DiskDup+ and SilverLining. Really nice.  
**ZIPIT1.1.1.SIT:** ZIP/UnZIP files using the latest PKZip compression levels.  
**BIBLIO1.02.SIT:** FileMaker Pro database for add bibliographies to documents.  
**DATAMAN.2.0.SIT:** manipulate text, text strings and more in every way imaginable. Awkward interface but *very* powerful.  
**DISKDUP2.22.CPT:** superb disk copy utility that also mounts DiskCopy images (upon payment of shareware fee).  
**EMERGENCYDI.CPT:** build very small system disk with this utility; it replaces the Finder with a mini-launcher leaving over a megabyte of space on a 1.44 floppy.  
**FILEBUDDY1..SIT:** cool file manipulation utility that lets you look at and modify file parameters of any file by just dragging & dropping it on its icon. By the author of Alias Director.  
**GETMYADDRESS.SIT:** get your IP address from remote host.  
**HEXEDIT102.SIT:** FreeWare equivalent of ResEdit's Hex Editor, but for data forks.  
**MACGS2.523.SI:** MacGhostscript v252B2-3, a Postscript interpreter, file viewer and printer. Very powerful but with an awkward interface (it's a Unix port).  
**NETWORKASSE.SIT:** FileMaker Pro database for keeping track of network assets for network administration  
**PPDCONVERTE.SIT:** converts Adobe PPDs' MS-DOS names to the preferred

Macintosh name.

**SWII.LOG.SIT:** view the amount of pages printed by your StyleWriter II (NOT the SW I).  
**TTXT.XTND.SIT:** import/export TeachText files in applications that use Claris' XTND technology. This filter handles text files with embedded graphics which normal text filters do not.  
**TECHTOOL.CPT:** utility from Micromat (makers of MacEKG) to completely zap your PRAM (your Mac can't do that on its own) and also deletes Desktop databases for safe, complete rebuilds.  
**MACTCPWATCH.SIT:** report everything there is to know about your TCP/IP setup/connection/IP network.  
**FTP.FETCH2.1.SI:** Fetch, version 2.1. That's right, Internet fans, no more typing commands to download files from the Stanford archives. This utility is a terrific interface program, very Mac-like, very easy to use. Don't forget to go into the Preferences and check all the boxes for "what kinds of files to get." Requires MacTCP or KSP.

### Mac Extensions

**ZAPTCP1.2.SIT:** little hack from an Apple DTS employee that shuts down MacTCP and all of its processes after a system crash.  
**CARPET139.SIT:** Suitcase-like extension that allows you to keep system resources (sounds, fonts, fkeys) outside of the System file.  
**CLEENSAVER1.SIT:** tiny screen saver that just darkens the screen.  
**DEEPTHOUGHT.SIT:** extension that gives profound thoughts at startup or on demand.  
**DOCKERNAUT1.SIT:** keep dual configuration files for your Duo's apps depending upon whether it's docked or not.  
**EXTMAN.201.SIT:** Extension Manager v.2.01 by Ricardo Batista: Predetermine which extensions, control panels and fonts you want to load under System 7 and switch off the ones that you don't want.  
**ADWORLDS.SIT:** this massive archive contains nine After Dark modules of a spinning globe of planet Earth, based on actual data collected by NOAA and NASA (and other sources) showing: biosphere, cloud cover, day/night temperature difference, ozone, precipitation, sea level variance, sea

surface temperature, snow and ice pack, and "the world at night" (basically lights).

**EASYACCENTS.SIT:** kchar resource to make accented letters more intuitive and accessible.  
**ARTIES.CPT:** After Dark module that build color roads.  
**MAZE1:** After Dark module that draws a maze on your screen and then solves it, a la Amazing (one of the original applications that shipped with the 128K Mac).  
**ROLLER.SCROLLER:** AfterDark module scrolls your whole screen in a specified direction (up, down, right, left). Can give the effect of a TV with bad vertical hold.

### Mac Fonts

**TTFONTS.SIT:** 11 funky TT fonts converted from winderz. The fonts are BalletEngraved, Cloister\_Black Light, Cottonwood-SemiBold, CuneiFont-Light, DearTeacher-Normal, Delegate Normal, Diego1-Light, Dragonwick, Durango, EastSide, ElGarrett.  
**POPTICSONE.SIT:** PopticsOne, a Type 1 Postscript font. Big, bold brassy, in a techno-woodcut style. Features all caps and caps with flares, definite eye catching potential, plus a nice set of neo-post-industrial dingbats.  
**WASHOUT.SIT:** a Type 1 Postscript font. You know that blurred, shapeless effect you get from too many generations of photocopying? That's Washout.  
**COCACOLA.SIT:** Coca-Cola font. Things go better with Coke.

### Mac Sounds

**BEAVISBUTT.SIT:** System 7 sounds from MTV's Beavis and Butthead cartoon.  
**FEMNAZI.SIT:** Rush Limbaugh's Feminazi introduction.  
**HGSOUNDS.SIT:** sounds from Monty Python's Holy Grail.  
**HOWARDSTERN.SIT:** sounds from Howard Stern's radio show.  
**LIFEOFBRIAN.SIT:** sounds from Monty Python's Life of Brian.  
**STTINGOPENIN.SIT:** *complete* opening theme/into to Star Trek: The Next Generation.

### Mac Graphic Images

**PPC.SUS.SIT:** image from a recent Motorola ad depicting the comparative speeds of the Pentium and several variations of the PowerPC chip.  
**INTELOUTSID.SIT:** "Intel Outside"



### Startup Screen

- POWERPCSTAR.SIT:** PowerPC Startup Screen.
- STSCRNS.SIT:** ST:TNG startup screens: The Starfleet communications splash screen; both 640x480 and 512x342. [Many of the console graphics shown on ST:TNG and ST:DS9 are actually created on Macs.]
- GOLDENSURFER.SI:** Golden Surfer startupscreen (640x480); the enclosed 'Read Me' gives details on making it into a startupscreen, and even a desktop picture, if you're so motivated. Enjoy!
- ESCAPE.SIT:** precise drawing of a watch escapement done originally in Canvas 3.0 and then transferred to Photoshop for the final touches.

### Mac Graphic Utils

- CHRISFILTERS.SI:** twelve plug-in filters for Photoshop (or other apps that can use Photoshop's plug-in filters) from Chris Cox. Filters include: Average, BitShift, ChromaKey, ColorKey, Fractal Noise, Noise Filter, Plaid, Psycho, and UnAlias.
- GRAPHICCONV.SIT:** convert MS-DOS and Amiga/Atari graphics to Mac formats.
- PHOTOSIZER.SIT:** effortlessly recalculate image sizes for placement. Very nice.

### Mac Games

- MACJUGGLEPRO1.0:** an advanced, shareware juggling program that demonstrates basic and complex patterns, based on the Multi-Hand Notation (MHN) system. It is not necessary to use or understand the sophisticated math of MHN in order to juggle effectively. To learn the basics, personal instruction is always best (try the Juggling Capitol in the Old Post Office Pavilion in D.C., or one of the five fine juggling clubs in the D.C. area).

### Mac Hypermedia

- BIGDUMMY.SIT:** Big Dummy's Guide to the Internet. The Internet, for beginners.
- DOORSSTACK.SIT:** superb stack detailing the Doors' recording career and lyrics to all of their songs.
- EBTHETIMEMA.SIT:** text of *The Time Machine* in a stack.
- EBWAROFTHEW.SIT:** text of *The War of the Worlds* in a stack.
- P.C.DICTION.SIT:** Politically Correct Dictionary: mostly banal but sometimes

humorous.

- PROFESSORX3.SIT:** Eliza-like stack that you play Q&A with.
- PROTEINSTRU.SIT:** stack detailing protein structures; very well done.
- PURITYTEST1.SIT:** the OmniseXual Purity Test: 400 questions of the most prurient nature....
- SCRIPTUREME.SIT:** learn those tricky Bible passages.
- STARTREKREF.SIT:** Star Trek: The Original Series episode stack. Nice!
- WHICH.PRINTER:** looking to buy a printer? This stack might help.

### Mac Multimedia/QT

- A2M.SIT:** another morph created with Metamorphosis, from two graphics done for the Washington Apple Pi "Welcome to the next Generation" TCS Poster, with a sound from my sound library thrown in for good measure, and to keep it from being too boring.
- BBMORPH.SIT:** QuickTime movie of Pi member made with Metamorphosis, where he's transformed from an 18-year old to his current decrepit 46 years.
- BULLWINKLE.SIT:** QuickTime movie of Bullwinkle J. Moose in a lead-in to one of his famous "Mr. Knowitall" segments.
- STOCKDALE.SIT:** quote from Admiral Stockdale from his appearance in the '92 Vice Presidential debate.
- POWERCACHEINB:** this lengthy clip is supposed to highlight the wonders of DayStar's PowerCache hardware, but most of it is taken up with clips of the

U.S. Air Force Thunderbirds flight demonstration team zooming around in flips, curves, etc. Great footage, so you can ignore the commercial at the begin and end and still get a thrill. You may need motion sickness pills.

- LOCKUP.SIT:** an excellent example of what you can do with QuickTime: this clip shows a race car in the act of crashing. Shortly after the driver loses control, the screen splits so you can see the car from a distance — but also from a camera mounted in the car at the same time. Neat effect!
- NEWSCHANNEL8:** a funny clip, and a great demonstration of how you can use QuickTime for prototyping video, such as ads. This apparently is a prototype ad for a Washington area TV station.
- KAREEM.SIT:** Kareem discusses the wonderful, spacious PowerBook keyboard, with lots of room to put your hands for on-the-go computing, while crammed in an airliner seat. A wonderful, funny, and effective advertisement for the world's best-selling notebook computer.

### Mac Information

- Tidbits:** all issues of TidBits from TidBits #100 (Jan. 6, 1992) to TidBits #189 (Aug. 16, 1993). A vast compendium of news, gossip and innuendo.
- TERMINATION.TXT:** description of how to properly terminate the SCSI bus from MicroNet Tech.



**SUPPLYLINE**  
INC.



Repair?  
Maintenance?  
SupplyLine will save you  
time and money

If you have tried remanufactured toner cartridges at one time and were dissatisfied, please consider giving it one more try. You are under no risk. We have many customers tell us that they like our cartridges better than new. It is not just the price, but the quality of our cartridge and our service.

5649-Q Gen. Washington Dr.  
Alexandria VA 22312  
Tel (703) 658-3084 Fax (703)658-3059  
Toll Free (800)678-3083  
Credit Cards & POs accepted.

**Premium Graphics**  
**Totally Rebuilt Toner Cartridges**  
**WAP Special Price \$ 50.00**  
**Quantity pricing available.**

**For Graphic Artists, Desktop Publishers, and those who like to use the very best in their printer, we put brand new drum and wiper blade in every cartridge.**



*from the Apple II Vice President*

## By Way of Introduction

by Joan Jernigan

**H**ello, my name is Joan Jernigan. I live and teach in Loudoun County Virginia, and I have been a member of Washington Apple Pi for about 12 years. I would like to share a bit of my journey into the world of computing with you.

In 1980 (or so) my husband Dave began researching this new device - the personal computer. Always the mover and the shaker, he just had to have one. His final selection was the improved Apple III, which he purchased from Computer Solutions in Leesburg, Virginia. I was a totally disinterested partner. When we would go to the computer store, I would read a book, but our two boys would look at the neat software and dream the dream. After we brought the computer home, things were about the same. The boys (8 & 11) used the computer for games and other neat things, while I just avoided it. At one point David and I needed to do some typing, so I was appointed the task. I would get one of my sons to set up the program, and then I would type. I would not edit or perform any special functions. I was definitely a "computer phobic."

In 1982, however, the focus changed! My school was about to acquire four Apple //e computers. While I wasn't willing to deal with computers on the hobby level, I was anxious to be on the inside track when it came to my profession. I was one of the first teachers in Loudoun County to take a beginning computer

course. I soon discovered that I had a real advantage - I had a computer at home! What I once considered "David's Folly" was now my redemption! (BTW - this is not the first time in our marriage that this type of thing has occurred.)

Within a year I became the resident computer expert at my school, started an after school Computer Club (the first in the county) and co-authored the plans for the Loudoun County Summer Computer Camp. I was hooked!

As our lives evolved, David became interested in buying a country lot and building our "dream" house; I began investigating a Masters Degree. These two dreams were realized simultaneously, and I received a Masters in Education with an emphasis on Instructional Applications of Microcomputers (IAM) in 1988, and we built our house and moved in (1989).

For the past eight or so years, I have acted as the computer "expert" in my school. This is a loose term meaning any warm body who is willing to do the grunt work. I spent my planning periods trouble shooting - My computer won't boot (it isn't plugged in); this program isn't in color (the monitor switch needs to be set to color), etc. All trouble shooting is not silly. There was the teacher with the great idea to teach his 'special' student his spelling words by combining a computer and a tape recorder. He did not know that when he placed the tape recorder on the

metal computer table that he would set up a magnetic field and wipe out the mother board. My journey has been interesting, varied, and rewarding.

It is my great pleasure to be the WAP Apple II Vice President. Although I (and my family) have been members for many years, I was obviously not focusing on the Pi during most of those years. Two years ago David and I began attending the monthly meetings (we had attended occasionally back at the beginning), and I found the comraderie and information sharing stimulating. I would like to continue with this information sharing. I plan to have name tags at the Apple II meetings (I need to know your names), and a sign in sheet. I want to know what your needs and desires are.

I intend to write a monthly article, and encourage your ideas, questions, and concerns. I see the job of Vice President as "facilitator." I want to be a funnel through which you post your ideas. I would also like to see us get free copies of software to review just like the Mac guys.

My husband and I have a joint TCS account because we live outside the metro area and are paying long distance. Please feel free to post any messages to Dave Jernigan on the TCS. I also have an internet address: [jjerniga@mwc.vak12ed.edu](mailto:jjerniga@mwc.vak12ed.edu). I check my internet mail daily, and the TCS every few days. I want to know:

- Are you a new user, power user, or in between?
- Do you use Apple, Mac or both? What kind of machine(s) do you use (II, //e, etc.)?
- Are you strictly a hobbyist, or do you also use the computer at work?
- Are you a teacher, government worker, or other?
- What do you use your machine for? Games, productivity, painting, drawing, etc.

I look forward to hearing from you.



# APPLE II BYTS AND PYCES

by Gary Hayman

This is a regular monthly column which includes Apple II information of the hints, techniques, suggestions, helps, information, news, etc., genre. Information which may not, in itself, warrant a separate article in the Journal but would, nevertheless, be of interest to Apple II readers. You are asked to submit your hints, ideas and suggestions to me for monthly organization and publishing. You may do it via the TCS or direct mail to me at 8255 Canning Terrace, Greenbelt, Maryland 20770. Telephone calls to (301) 345-3230. Please note that this column is often submitted for publication 45 to 75 days

## Monitor Misery

Geraldine Wright, posting on the TCS asked, "My monitor is behaving in a peculiar fashion and I wonder if anyone has insight into the problem. When I first turn it on, it flickers and flashes on and off. It seems to be worse when the computer is doing disk access to load the operating system. After a minute or two it settles down, and then it behaves normally the rest of the session. It does this with both of my computers, so I don't think it is a problem with the computer. The monitor is an Apple color composite."

Jon Thomason advised, "Have you checked the RCA-style video cable in the back? These tend to do that after a while. Try cleaning the connections with alcohol or WD-40, and

(more simply) just bending the outer metal parts inward just a little bit to give it a more snug fit."

[GH] Sometimes a little scraping with a knife blade or sanding with some Emery paper on the male portion of the RCA plug can help provide better contact.

## Beep! Beep!

Dan Crutcher, a well known UltraMacros expert, became puzzled and asked the following on GENie, "I've made an odd, small discovery that I'd like someone to explain: I noticed tonight that the error beep I get in AppleWorks 3.0 varied in pitch depending on which operating system I booted into. If I booted into ProDOS 8 (my normal method when I just want to run AW) I got the "normal" beep—a clear, high-pitched tone. But if I first booted into GS/OS and then launched AW, my error beep (simplest way to hear it: press the space bar at the Main Menu) became lower pitched and kind of raspy sounding. Note that in both cases I was launching the exact same program—the only difference was the underlying operating system.

"Naturally, I thought of a possible INIT, DA or CDev conflict, so I tried shift-booting GS/OS and, sure enough, I got my normal dulcet error tone. So I started disabling things. Ultimately, I discovered that having either of the following two items enabled caused the altered

error beep: the GSTape.Timer initialization file (it catalogs as a PIF file) or the Twilight II CDev. When I disabled both of those, the error beep was normal; when I enabled either one, the lower, raspy tone returned.

"As best I can determine, this lower beep does no harm (other than to my sensitive ears), but I'm curious about what would cause this. Since both of these items are clock-sensitive I would speculate that it has something to do with their having to constantly be checking the clock—perhaps that is slowing things down just enough to alter the system beep. (But why only in AW? Or is it in all P8 programs? Or am I just not noticing the difference in GS/OS applications?)

"I am running System 6.0.1 on a ROM 01 GS, with an 8/16 ZipGS, a RamFAST Rev. D and 4.25 MB of RAM. AW 3.0 has Ultra 4 installed and several AW Companion patches. Can anyone explain this phenomenon?"

The video film star of the current Quality Computer's *II Alive* video which is being sent to *II Alive* subscribers, Lunatic, answered it this way, "It happens *only* in AppleWorks because AW doesn't use the standard system beep, it uses a custom one. If you have any other P8 programs that have custom beeps they'll probably exhibit the same behavior."

## Too Costly to Make New Products?

There was some recent talk on GENie about getting a major software company to write a new driver for the IIGS and even update an older product.

Jerry Cline, of InTrec Software (not the company that is being talked about), publishers of ProTERM 3.1, stated his opinions as to the difficulties in doing such a thing. The fol-



lowing, edited in parts, can give us a better insight. Cline writes, "...Perhaps another way the situation could be stated is to say: We can make the drivers available but engineering costs will be \$15,000 (or whatever it would cost to take a top flight engineer off of a paying project where that person is earning their way) and split the costs (plus a slight profit—\$3000—to the company) to however many users would like to make a bid. They would have to develop, test and market the project. Say they sold 100 drivers, then each person would only have to pay just under \$200 for the driver. If it's justified, then maybe there is a case, but I doubt anyone will be paying anywhere near that for a printer driver on an Apple II. But the situation is more realistic.

"But when a successful organization has a known active and highly competitive market to pursue (and a lot of engineers, marketing and management personnel to pay for) where just Apple Macintosh alone is 11 percent of an 11 billion dollar market (that is a one billion dollar plus market if your math is rusty) that already encompasses 12 million homes and offices with four million being added every year, it makes the Apple II market look bleak. If Publish It were making a profit on Apple II products, they would support it actively, they are just doing what any business does, following the profit margin. It's the name of the game. If they did any differently, their investors would get a rope. Apple Computer is in the same boat. Think about it.

"The part about the lowest common denominator (128K) is the killer and the RAM is not all as usable as it is on Macintosh. That 128K figure is a "hard" number. Consider the Apple IIGS, (which isn't all that different from the Apple IIe), if you write for the GS, you narrow the

market from the six million Apple II's that were sold (includes Franklin and Laser), to about only 1.25 million Apple IIGS's sold and, according to Roger Wagner Publishing, about 70% + of those are still in the education market. That leaves about +/- 50,000 in user's hands and a lot of those users are not active and are looking to other platforms (you should see our mail requesting ProTERM Mac).

"It does not take a rocket scientist's mathematics to understand what market to concentrate on if you are a business and don't want to go broke.

"As far as the statement about the Apple IIe being sold in schools? While it is still on the price list, I don't imagine sales are brisk—Do you? Would you buy a new Apple IIe or how about a bridge in Brooklyn or perhaps some nice Moon property with "Earth-rise" and "Earth-set" exposure. The choice is yours, check it out!

"Let's see now, how does a user go about making a hardware buy? Apple says, an enhanced Apple IIe with a composite (cheap) color monitor, disk drive, drive controller card, 128K memory, 80 column capability, is only about \$1300. Wow, what an earthshaker!

"See the Apple product catalog and order yours now! 800/795-1000—To top off this wild bargain, AppleWorks, a \$239, value is included on a floppy disk—What a DEAL WHOA!! Or—a few pages hence in the Apple catalog... A Mac Classic with a color Trinitron color monitor, four megabytes of RAM, built in 3.5" drive, an 80 meg hard drive and expandable to vistas beyond... \$1173. Which one are you gonna to buy? Gee that's a hard decision! ...<scratch head here and get splinters under your fingernails>. Uhhmm... could I see them choices again—Huhm?"

### *inCider/A+ Dead—II Alive*

As mentioned in one of my previous columns, *inCider/A+* the magazine is no more. A special arrangement has been made with Quality Computers, the publishers of *II Alive*, the new and great [GH] Apple II magazine to fill the subscriptions with the new product.

Jerry Kindall, the editor of *II Alive* informs us, "For those of you who have been asking about how many issues of *II Alive* your *inCider/A+* subscription will be converted to, here's a news update. We are planning to have the expiration date printed on the label of the September/October issue (which is now at the press). We intended to do that with the July/August issue but the logistics of converting the mailing list left us with a massive time crunch and we didn't have time to calculate expiration dates until after we sent out the July/August issue. (We knew that everyone was due at least *one* issue of *II Alive*, otherwise they wouldn't be on the list.)

"Your *inCider/A+* subscription was converted on a dollar-for-dollar basis. If you paid \$30 for *inCider/A+* and had nine issues left, that's \$20—which means you get six issues (a year) of *II Alive*. If you took advantage of some special deal from *inCider/A+*, you may have paid less than \$30 per year; this will affect the remaining value of your *inCider/A+* subscription and thus how many issues of *II Alive* you'll receive. If you're due a fraction of an issue, you WILL get a whole issue—all numbers are rounded up after conversion. (Though some subscribers seemed to get fractional copies of the July/August issue—missing the first few pages—this should not happen again. <grin>)

"Former *inCider/A+* subscribers who did *not* previously get *II Alive* got an insert in the magazine which



explained the conversion process. Subscribers who got both magazines did not get this insert, which was an oversight on our part.

"If you got two copies of *II Alive* in July/August, this indicates that your *inCider/A+* subscription was not sent to the same address as your *II Alive* subscription (or was under a slightly different name, or had "St." on one and "Street" on the other, or whatever), so our mail merge program thought you were two different people. Contact us on the 800 number to let us know that you are getting two copies and we will merge the subscriptions so you get one copy a month for longer (instead of two a month for shorter).

"If you posted a message on this topic or sent me e-mail regarding these matters, please be patient. I've been working on the September/October issue and haven't had a lot of time for other things here at the office, but I should be able to take care of your concerns in the next few days. It is not necessary to call us if you've left me e-mail or

a message on this topic, but if you do have further concerns, please do contact our sales staff at 800-777-3642."

### Westcode Announces Typeset

[From a recent press release]—Are you ready to take control and start working smarter with fonts? If you are, you'll be excited to hear that WestCode Software is offering TypeSet at a special pre-release price to our online friends.

That's right. You can grab a copy of the powerful TypeSet software at a fantastic price. Remember, TypeSet includes a host of advanced font management features, including:

- A WYSIWYG Font menu, at your choice of 10 or 12 point display. This great feature will

let you see what your fonts look like before you select them. A great time saver, and very cool.

- Extensive, informative and customizable font reports. They'll let you see your fonts in a variety of sizes, letting you build a complete, handy reference to your entire font collection. And, for the ultimate in flexibility, reports can be sent to either the screen or printer.
- User-definable Font Sets. If you've ever wished you could specify WHICH fonts appeared in your Font menu, you'll love Font Sets. You can create a Set for any need: different documents, applications, people, types of fonts or whatever else. And, you can switch Sets at anytime—even while you're inside an application—and TypeSet will dynamically rebuild your Font menu to contain only the fonts in the active Set. You'll never have to scroll through a long list of fonts again!
- Indispensable Font Information. This TypeSet feature lets you get valuable information on your fonts, including: the size of the font file, where it's located on disk, the styles assigned to the font, and the font's internal ID number.

[GH—The retail price of this program is \$49.95, however, you may want to check second party software houses for their order-by-mail rates.] [SP— Call Gary and get phone & address if you can— should be here]

### Lover's Lane or Taking a Drive to NEC

Our 'Driving Reporter,' Gary McLaughlin reports on NEC drives. For anybody looking for NEC drives,

you might want to check out ITG Computers in Rolling Meadows, IL. I ran across their ad in a thing called 'The Processor.'

- CDR-25 (refurb) \$149 (portable)
- CDR-36 (new) \$225 (portable)
- CDR-73 (refurb) \$225 (external)
- CDR-83 (refurb) \$205 (internal)
- CDR-83 (new) \$295 (internal)
- CDR-74 (refurb) \$315 (external)
- CDR-84 (refurb) \$295 (internal)

Their address is: ITG Computers, 5420 Newport Drive, Suite 57, Rolling Meadows, IL 60008, Voice (708)259-1129, FAX (708)259-1130.

I bought a -36 from them and they seem to be good people to work with. Also, FWIW, the -25 is also available from Tiger Software new for \$199. That's the drive that comes with the CD Express package but they sell it unbundled. [JM—FWIW For What It's Worth] [GH—Thanks, Gary]

### Harmonious Deskjet?

On GENie, Bob Weithofer was posing questions concerning what his HP DeskJet 550 was doing. It seems to be printing in a strange manner. Several offered opinions and advice.

[Dan Brown] Well, Harmonie has a known bug of either very large or very small print after the first page, depending on the way you've set a DIP switch on your printer. They are aware of the problem, and I believe they're attempting to correct it. FWIW, though, I've had much better results from Seven Hills' Independence.

[Karl Roney] The problem with the large print is dependent upon which way the dip switch B2 is set on the DJ500. If you want to print multiple pages at 300 dpi that switch has to be up. Printing at any other resolution will cause the second (and subsequent pages) to print with very



small 4 point (I think) type. If you want a relatively quick printout of more than one page, the B2 switch has to be down; the 75 dpi setting. The intermediate resolutions in Harmonie are not useful for anything but single page printouts because no matter which position the dip switch is set, anything after the second page is going to be either giant or microscopic. I sent for a free upgrade that was supposed to fix the problem but it's still there.

[Larry Faust] What Karl said re: DIP switch B2. However, if you're just dealing with TEXT and no GRAPHICS on the page, quick printouts can be gotten on the DJ500 by selecting "External" in the Harmonie print dialog. This will printout using the DJ500's own fonts instead of the document's fonts. Much quicker!

[Karl Roney] The switch position only affects the graphics printing capability of the DJ, so the setting of B2 will have no effect on printing from classic AppleWorks.

The selection of font size has nothing to do with the second page of a printout getting munged. What apparently happens is when the switch B2 is set to 300 DPI, and you choose to print at, say 75 DPI from the Harmony drivers, the first page receives all of the info it needs to print at a 75 DPI resolution. However the DJ doesn't appear to get any information from the print driver for the second page so; you have told the driver to print at 75 DPI and 75DPI is what gets sent to the printer. But, the printer didn't get the message, for some reason, and since the switch is set to 300 DPI it starts print at 300 DPI. It's only receiving 75 DPI for each element of the printout and the result, in this case, is very tiny print.

If switch B2 is set to 75 DPI and you choose to print at 300 DPI from Harmonie the resultant printout is

much larger than expected because after the first page the printer reverts to 75 DPI but each element of the image contains 300 DPI worth of info. This leads to the giant type on the second page.

#### HP Again

Robert Merrill is the proud owner of a new laser printer. He was crowing about his acquisition on GENie as well as making some interesting comments. Let's listen in, "I just bought an HP 4ML yesterday for use on my IIGS (and future Mac?). The 4ML comes with two sets of disks which are software for Macintosh's and PC's. The users manual does nothing to help a hacker get this running on a GS. There are no chapters on "printer codes" or "escape sequences". If you hold down the front panel button for 10 seconds it will produce five pages of information which include the escape sequences for various fonts, but nothing for the likes of how to turn on (and off) the economy mode.

"I grabbed my copy of NAUG's AppleWorks Forum, December 1992 and within the article "How to Use an HP LaserJet III with Your Apple II" on page 14 there is a side-bar of LJ III Printer Codes for AppleWorks. I installed these and they worked pretty well. I can print from AWKS 3.0 with no problems. Buzz Walling mentioned that he has modified the NAUG (I believe it was NAUG) codes some and now has four different fonts and fourteen different sizes of the fonts with AWKS on his HP IIIP. I just E-mailed him to see if he would send me a copy of these codes—I'm certain the 4ML will do all that the IIIP did, and probably a bit more.

"I also tried a quick printout of some old Publish.It 4 stuff—worked fairly well indeed, as did a teach file printed using the Harmonie LaserJet driver.

"In summation, it looks like the 4ML will perform well on the IIGS. I just wish I had a better users manual. I have 29 days left (of my 30 day return privilege) to get it up and running to my satisfaction. So far, so good."

#### More Printer Questions

John Tupy asked this one on the TCS: "I'm trying to find an answer for a question about compatibility of a parallel printer for a Laser 128ex. My Laser is currently hooked up to a serial printer. It has a switch for a parallel printer, which I want to hook up to an Okidata Microline 293. The port on the Laser for the par. printer is a 15-pin connection. The Laser manual calls for a "Centronics" interface. Is this for a special parallel printer to work with the Laser? Most all parallel printer ribbon cables have a 25-pin connector. Would I be able to convert my 15-pin setup to a 25-pin? Looking for some help."

Stan Palen, Apple II Journal Editor, replied, "You need to make or have made a cable with 15-pins on one end and a centronics on the other. An IBM type parallel cable would be where I would start and then make an adapter from the 15 to 25-pin end. Are you sure it is 15-pin and not 19? I made one of these cables for my daughter's Laser several years ago. Get the Laser manual out and be sure the pins are right before hooking it up. The best thing to do is what they call ring out the cable. Use a meter and connect to each pin and the correct pin on the other end to check continuity. Then make sure that pair is not connected to anything else. Factories use a little bell or buzzer that goes off when the continuity checks out. I remember having problems finding the right connector for the computer end. I do not remember where I found it."



Lorin Evans, Washington Apple Pi President added, "Almost all serial printers use a "D shape" 25-pin style connector on the end that attaches to the computer. Almost all parallel printers use an "D shape" connector as well. The difference is that inside the shell there are no pins (male end). Instead there are strips of springy metal that are used for contacts. The connector was developed by the Centronics company which produced a whole series of them.

"Your Laser computer will print to any parallel or serial printer that will work with the software you are running. You need two different cables ["interfaces" to use Laser language] to make all this happen. The parallel printer needs a cable with a "Centronics" connector at the printer end. Video Technology [the folks who make Laser computers] (makes) (made) a D-15 [pins] to Centronics [springy metal] printer cable. The company is still in business. There is also an outfit in Georgia that sells and services Laser equipment. If you want to craft a cable, you need a D-15 male, a Centronics male, some shielded cable [all available locally] and, most importantly, the pin-out pattern (which might be in your manual)."

#### The ProTerm Author Himself

David Thomas posed a ProTerm question on GENIE and the ProTerm author Greg Schaefer of InTrec Software, Inc., was kind enough to shed a little light on the subject.

**Question:** In vt100 sometimes the host overwrites (redraws) the existing screen from the top down instead of scrolling. When this happens the capture buffer is likewise overwritten, so I don't have offline access to the previous screen. Is there something I can do to capture everything?

**Answer:** ProTERM 3.1 can capture data for scrollbar during five different emulation operations: Clear Screen, Clear to End of Screen, Clear Line, Scroll Down and Reposition Cursor. Normally, not all of these operations add data to Scrollback. Which methods are used during an online session is controlled by the \$C macro variable. The value of this variable is calculated as follows:

#### ValueMethod

- 1 Scroll Down a line
- 4 Clear to End of Screen
- 16 Clear Entire Screen
- 64 Clear Line
- 128 Reposition Cursor

Add the desired methods of capturing scrollbar data together and set \$C equal to the result. For example, the default methods used are Scroll Down (1), Clear to End of Screen (4) and Clear Entire Screen (16). Adding these values together gives a total of 21.

To control the methods used for a particular system in the dialing list, add the macro command "SET \$C=value" to the logon macro for that system. By default the method is set to 21 after connecting with each system.

Under ProTERM 3.0 setting the Emulation Preference called Capture Lines on Reposition Cursor was equivalent to adding SET \$C=149 to the logon macro. The advantage to the new system in 3.1 is that the methods can be changed on a system by system basis. In addition, there is complete control over which methods are used.

Note that SET \$C=0 does not capture any data in scrollbar. This may be useful in certain macro applications but should not be generally used.

#### In Case You Missed It

This is from a 'fairly' recent press release concerning activities and products of Quality Computers.

"One of the problems users of discontinued computer lines have is obtaining the same level of support that the manufacturers once supplied. Called "orphans," the systems frequently remain in use long after the company has gone out of business or has introduced a new line. Traditionally, the search for support has spawned user groups on national and local electronic bulletin boards and third-party firms have bought up all the parts and software they could find just to support these waifs of the industry. Now a Michigan company has announced new support plans for the Apple II market that include an expanded product line and a new all-Apple II magazine. "The Apple II community feels abandoned by Apple," explained Joe Gleason, President of Quality Computers. "Apple sold over six million Apple IIs then decided to turn their backs on them. There's no dealer support. There's little corporate support. We want to fill that void," he said. To do just that Quality Computers has launched "II Alive", a magazine devoted to the Apple II computer. "We want to make II Alive like Apple II publications were five or six years ago—packed with information and fun to read," said Gleason. The first issue of II Alive went out in March of this year, and will be published every other month. Gleason claims that it will have feature articles, regular departments, interviews, nostalgia, and a Buying Guide. A one year subscription is \$19.95 and you get a free video. Quality spokesperson Carl Sperber told Newsbytes that the video, which is a little under an hour long, contains some product demos, some video shot at Apple Expo West in San Francisco a



few months ago, and some tech tips. Quality obtained the subscription list for A+ and *inCider* magazine from IDG and will fulfill those subscriptions. They are mailing *II Alive* to about 65,000 readers at present and say the subscriptions are coming in at the rate of about 200 per day. Last year Quality Computers announced an array of products under its brand name, including RAM cards for the IIe and IIGs, a 2400 baud modem, and several utility programs. The company has also acquired the rights to Beagle Bros Software's Apple II product line and has already released one new product and a major upgrade under the Beagle Bros name. "We plan to expand both product lines in 1993," Gleason said. The company also serves the educational market (K-12) with multi-vendor hardware and software and publishes a free magazine and catalog for educators called Enhance. (Jim Mallory/19930614/Press contact: Carl Sperber, Quality Computers, 800-777-3642, X726 or 313-774-7200; Reader contact: Quality Computers, 800-777-3642 or 313-774-7200)."

*The author is currently Chairman of the AppleWorks and Apple IIGS Special Interests Groups and is the organizer of the new UltraMacros SIG. He is published frequently in the Journal of the Washington Apple Pi. He is also a Beagle-Quality "Buddy", a Seven Hills "Partner" and a TimeWorks "Ambassador" for the WAP. Professionally, he is a Certified Hypnotherapist in private practice in the Washington D.C. metro area and does part-time Apple II family computer application programs consulting and teaching. His latest software programs, THE MAGIC FILE CABINET and MAGICAL MACROS—THE ABRACADABRA COLLECTION are presently selling internationally.*

## Updating to GS/OS System 6.0.1

by Gary Hayman

**R**emember when GS/OS System 6.0 first came out and we tried to update our current System 5.0.4 with the 6.0 installer—all the trouble we ran into? It was finally agreed that the best technique was to install System 6.0 "fresh," that is, not install it over the old GS/OS system 5.0.4. Many of us hard drive users made immediate back-ups of the old system "just in case." Some of the users of PROSEL 16, who played games by calling their PROSEL program 'Start' thus eliminating the short 'Start' program that really launched the FINDER got into trouble because the 6.0 program didn't know this and overwrote their PROSEL. For about a month and a half there was much discussion on the various national on-line service boards and our local boards, until an acceptable (not the only) technique was devised.

System 6.0 had a new technique of setting the "boot" program called 'SetStart.' This allowed those PROSEL people (including me) to leave their PROSEL file where it was supposed to be and allowed it to be chosen as the Start-up program. In addition, if one desired, he could still boot into the FINDER by holding down the Command key during the boot process, by-passing the SetStart choice.

You will be pleased to learn that updating from 6.0 to 6.0.1 is rather

easy. Perhaps the following will give you a better understanding about to what is happening.

First, you can obtain your copies of the six disk set of System 6.0.1 from a variety of sources. By mail, I know that Resource Central (913-469-6502) and ShareWare Solutions II (Joe Kohn, 166 Alpine St., San Rafael, CA 94901) are offering the sets for just about the cost of reproduction. The Disk Library of the Washington Apple Pi as well as its BBS system (the TCS) has the disk sets available, as does the GENie on-line service.

OK, let's say you have your disk set and are ready to make the update. First, there are three files on the System Tools1 disk that you should read for information. They are 'Read.Me,' 'Shortcuts,' 'Whats.New.' They are not ASCII text files, they are GWP files, so they must be read with a utility such as TEACH, WORDWRITE, UTILITYWORKS, etc. From these programs, the files can be printed to paper (recommended).

The next step is 'buying insurance'; that is, make an immediate back-up of your hard drive boot partition—just in case. I had done a complete back-up several days before, so all I had to do was do a PROSEL 'Compound' back-up which only processed new files and files that had changed since my last back-up (it only took one disk and a minute



to accomplish).

The next thing I did (and I don't know if this is really necessary but I didn't want to take any chances) was to activate my Graphic Control Panel and set SetStart back to FINDER (it was set to PROSEL).

I was ready, I went to my control panel and set it so that my 3.5 drive would boot at start-up (not my hard drive—to keep anything current from getting in the way; such as trying to write to the Start file), placed the System 6.0.1 Install Disk (not the System Disk) in the 3.5 drive and booted the computer with that disk.

On the screen will be the Easy Update menu. Although there is also the opportunity to select the 'Customize' button at this point, I would recommend, if you are installing the system to a hard drive that you use the Easy Update—first. When you select this button you will be asked to insert and remove several of your System 6.0.1 disks—several times. Not to worry, this process doesn't take too long. [JM—System 6.0.1 disks have the same name as 6.0.0 disks. They not be interchanged.]

Here is a listing of the files (LIST 1), which Easy Update installs on your hard drive. Please note that I am told that the installer apparently looks at your current System folder and installs files based upon what you may have on your hard drive at the moment. If you haven't been using a feature, it may not install it with the Easy Update. What appears below is the 'total possibility' of what Easy Update could install. The list was derived from the scripts. For you, Easy Update might not install all of these files.

**[LIST 1]**  
Adv.Disk.Util

- AppleTalk:Chooser:Chooser.0
- AppleTalk:Chooser:Chooser.II
- AppleTalk:Chooser:Chooser1.OVR
- AppleTalk:Chooser:Chooser2.OVR
- AppleTalk:Chooser:Chooser3.OVR
- AppleTalk:Chooser:Chooser4.OVR
- AppleTalk:Chooser:Chooser5.OVR
- AppleTalk:Chooser:IWEM
- AppleTalk:Chooser:MTXABS.0
- BASIC.Launcher
- BASIC.System
- Dialog.Icons
- Finder.Def
- Icons:Finder.Icons
- Icons:Finder.Icons.X
- Icons:FType.Apple
- Icons:FType.Aux
- Icons:FType.Main
- ProDOS
- System:CDevs:Alphabet
- System:CDevs:DirectConnect
- System:CDevs:General
- System:CDevs:Keyboard
- System:CDevs:Modem
- System:CDevs:Monitor
- System:CDevs:Mouse
- System:CDevs:Printer
- System:CDevs:RAM
- System:CDevs:SetStart
- System:CDevs:Slots
- System:CDevs:Sound
- System:CDevs:Time
- System:Desk.Accs:Cache.NDA
- System:Desk.Accs:Calculator
- System:Desk.Accs:ControlPanel
- System:Desk.Accs:CtlPanel.NDA
- System:Desk.Accs:FindFile
- System:Desk.Accs:VideoMix.NDA
- System:Drivers:Apple.Midi
- System:Drivers:AppleDisk3.5
- System:Drivers:AppleDisk5.25
- System:Drivers:AppleTalk
- System:Drivers:Card6850.MIDI
- System:Drivers:Console.Driver
- System:Drivers:Epson
- System:Drivers:ImageWriter
- System:Drivers:ImageWriter.LQ
- System:Drivers:LaserPrep
- System:Drivers:LaserWriter
- System:Drivers:Modem
- System:Drivers:Modem
- System:Drivers:Parallel.Card
- System:Drivers:Passport
- System:Drivers:Printer
- System:Drivers:Printer
- System:Drivers:Printer.Setup
- System:Drivers:SCSI.Driver
- System:Drivers:SCSI.Manager
- System:Drivers:SCSIHD.Driver
- System:Drivers:UniDisk3.5
- System:Error.Msg
- System:ExpressLoad
- System:Finder
- System:Fonts:FastFont
- System:Fonts:Courier.09
- System:Fonts:Courier.10
- System:Fonts:Courier.12
- System:Fonts:Courier.14
- System:Fonts:Courier.18
- System:Fonts:Courier.20
- System:Fonts:Courier.24
- System:Fonts:Geneva.10
- System:Fonts:Geneva.12
- System:Fonts:Geneva.14
- System:Fonts:Geneva.16
- System:Fonts:Geneva.18
- System:Fonts:Geneva.20
- System:Fonts:Geneva.24
- System:Fonts:Helvetica.09
- System:Fonts:Helvetica.10
- System:Fonts:Helvetica.12
- System:Fonts:Helvetica.14
- System:Fonts:Helvetica.18
- System:Fonts:Helvetica.20
- System:Fonts:Helvetica.24
- System:Fonts:Shaston.16
- System:Fonts:Times.09
- System:Fonts:Times.10
- System:Fonts:Times.12
- System:Fonts:Times.14
- System:Fonts:Times.18
- System:Fonts:Times.20
- System:Fonts:Times.24
- System:Fonts:Venice.12
- System:Fonts:Venice.14
- System:Fonts:Venice.24
- System:FSTs:Char.FST
- System:FSTs:HS.FST
- System:FSTs:Pro.FST
- System:GS.OS
- System:GS.OS.Dev
- System:Launcher
- System:P16
- System:P8



System:Sounds:Ahh  
 System:Sounds:Droplet  
 System:Sounds:Eastern  
 System:Sounds:Frog  
 System:Sounds:PipeOrgan  
 System:Sounds:SimpleBeep  
 System:Sounds:Sosumi  
 System:Sounds:Swish  
 System:Sounds:Trumpets  
 System:Start  
 System:Start.GS.OS  
 System:System.Setup:ATPatch  
 System:System.Setup:ATResponder  
 System:System.Setup:ATRom  
 System:System.Setup:ATSetup  
 System:System.Setup:ATStart  
 System:System.Setup:CDev.INIT  
 System:System.Setup:EasyAccess  
 System:System.Setup:EasyMount  
 System:System.Setup:QuickConsole  
 System:System.Setup:Resource.Mgr  
 System:System.Setup:Sound.INIT  
 System:System.Setup:SPLoad  
 System:System.Setup:Sys.Resources  
 System:System.Setup:Tool.Setup  
 System:System.Setup:TS2  
 System:System.Setup:TS3  
 System:Tools:Tool014  
 System:Tools:Tool015  
 System:Tools:Tool016  
 System:Tools:Tool018  
 System:Tools:Tool019  
 System:Tools:Tool020  
 System:Tools:Tool021  
 System:Tools:Tool022  
 System:Tools:Tool023  
 System:Tools:Tool025  
 System:Tools:Tool026  
 System:Tools:Tool027  
 System:Tools:Tool028  
 System:Tools:Tool029  
 System:Tools:Tool032  
 System:Tools:Tool034

Yes, I know you may not need all of them, but don't go haphazardly removing the ones you don't need at this moment.

When all is finished you will be left at the Easy Update menu. It is at this time that you would select the 'Customize' button. When en-

tering this new area, you will find a scrolling menu listing all the scripts that you could use to install additional files—including some of the files that you already installed. The 'System 6:Hard Disk or FDHD' will be highlighted. This controls the script `INSTAL.SYS.FILE` which is what you have just done with the Easy Update. For your information, if the Easy Update `INSTAL.SYS.FILE` is selected, you have no OBVIOUS way of knowing which of the remaining selections have already been written to your hard drive. I have done some homework and so present you with another listing (LIST 2) of what menu items are also being selected. I hope that this will give you some idea as to what is happening.

**[LIST 2]**  
`INSTAL.SYS.FILE`  
 (ALSO AVAILABLE)  
`[INST.SYS.MIN]`  
`[INST.SYSF.NOFIN]`  
`ADV.DISK.UTIL`  
`APPLE.MIDI`  
`APPLEDISK5.25`  
`CALCULATOR`  
`CARD6850.MIDI`  
`DCIMAGEWRITER`  
`DCIMAGEWRITERLQ`  
`EASY.ACCESS`  
`EPSON`  
`FINDFILE`  
`FONTS.STD`  
`HFS.FST`  
`LASERWRITER`  
`SCSI.HARD.DISK`  
`SOUNDS.ALL`  
`UNIDISK3.5`  
`VIDEOMIX`

This means that selecting any of these items again during Customizing would just re-write what has already been written via Easy Update—with no harm done.

This leaves some additional choices (LIST 3) to select, if one

desires. You may also want to include some of them in your personal install/update project. For example, I have placed a '\$' after several updates that I was interested in installing. You may desire to make different choices. By the way, if you highlight any of these items and activate the on screen 'Help' button while in the Customize menu, a short explanation of the script will be displayed. This may assist you in making up your mind as which to chose.

**[LIST 3]**  
`A2.RAMCARD`  
`APPLE.BOWL`  
`APPLESHARE`  
`APPLESHARE3.5`  
`ARCHIVER`  
`ARISTOTLE.PATCH`  
`ATIMAGEWRITER`  
`ATIMAGEWRITERLQ`  
`CDROM`  
`CLOSEVIEW`  
`DOS3.3.FST`  
`FONTS`  
`FONTS.MAX $`  
`LOCAL.NET.BOOT`  
`MEDIACONTROL`  
`MEDIACTRL.CDSC`  
`MEDIACTRL.P2000`  
`MEDIACTRL.P4200`  
`MSDOS.FST`  
`NAMER`  
`PASCAL.FST $`  
`QUICK.LOGOFF`  
`RAM5 $`  
`SCSI.SCANNER`  
`SCSI.TAPE`  
`SERVER.SYS.FILE`  
`STYLEWRITER $`  
`SYNTHLAB $`  
`TEACH $`  
`VIDEOKEYBOARD`

### Doing The Actual Updating

As previously stated, after booting the install disk, I first chose the Easy Update. When that was finished, I selected the Customize but-



ton and Command-Space selected those items that I also wanted to install (marked with '\$' in LIST 3) and activated the 'Install' button again, following screen directions. The procedure was very rapid.

When I was finished, I 'Quit' and went to my Text Control Panel with a Command-Control-Esc and changed my start-up slot to reflect where my hard drive was located (in my case, Slot 6). I turned the computer off and on again and System 6.0.1 was up and running.

I then went to my Graphic Control Panel, set SetStart to my PROSEL.SYSTEM, re-booted the IIGS, and I was back to my preferred PROSEL Specs screen.

### The Removing Files Button

The installer allows you to easily remove from within your System folder certain files associated with the scripts of the Installer. I chose *not* to use this feature to remove files that Easy Update installed that I was sure that I would not need (Example: ImageWriter LQ Driver, UniDisk 3.5 Driver, etc.)—and here is the reason. I was worried about something, perhaps needlessly. When I examined scripts with a text reader, I noticed that several of them loaded common files. That is to say that there was a requirement of a file that may be called by two or more other scripts. I was afraid that in the 'Remove' process, the scripts really removed ALL the files that each installed. This, in my mind, might create a 'missing file' that would be needed later (I'm guessing here). I would think that the designers of the scripts would have thought of this (and perhaps they had) and that any files that would be used by two or more files are prevented, in some way, from being deleted when you do a remove, but I was unable to

find this fact in the literature that I read. If this latter thought is correct, you would shorten the technique to Install what you wanted and then Remove what you didn't want. If you feel that you have an abundance of room then you probably won't have to remove any files that the Easy Update placed on your hard drive at all. I don't believe that by being there they will cause you any problems.

### Some Bugs or Problems

Since the release of System 6.0.1, it has been determined that there is a bug in the Font Manager that affects the Pointless True Type program operation. Within days, there were two work-arounds and later an INIT called FIXFONTMGR601 which you placed in your \*/SYSTEM/SYSTEM.SETUP folder that fixed the problem each time you booted your computer. The INIT is available on the TCS of the Washington Apple Pi as well as most Apple orientated on-line services.

There is another slight problem/occurrence due to the re-written SCC.MANAGER that might be placed in your \*/SYSTEM/DRIVERS folder by one or more of the install scripts. In my case, if I don't have my built-in AppleTalk turned on when I boot, a message appears on the screen, halting the boot process. This is not serious for all I have to do is press the Return, the boot continues, and all is well. There have been other suggestions including that of removing the SCC.MANAGER from the Drivers folder and only placing it back when I am going to activate AppleTalk.

The new 'Magic Routing' feature which allows certain files to find their way to the proper folder just by 'dropping' them on the System Folder doesn't work unless your

System folder is on the Finder desktop. There are a couple of other minor occurrences (not bugs) that occur with the Finder, but are not deemed serious by those who know. One of Bill Tudor's NDAs, CDEV ALIAS, does not work with the new system.

Those of you who are going to go from System 5.0.4 (or earlier), please remember the recommendation that I and others have proposed since System 6.0 came out. Do not install it over your 5.0.4, but do a fresh install to your hard drive. You can move your SYSTEM (5.0.4) folder to another partition, if you want, or if you are unsure, rename the folder SYSTEM5 before you install System 6.0.1. Later, any CDA, NDAs, INITs, special fonts, etc., that you were using with System 5.0.4 could be copied to the appropriate place in System 6.0.1—one by one.

Last month I wrote an article that revealed much of the new features of the new operating system. You might want to 'check-it-out' again. There is a common agreement that it is very worthwhile to install GS/OS System 6.0.1 on your hard drive. Please be assured that it took you longer to read this article than it will take you to upgrade from System 6.0 to 6.0.1.

---

*(continued from page 5)*

page, the Apple II Vice President was listed as Joan Jernigan. Tom Vier won the actual ballot count but was later replaced by Joan.

Be sure to have a look at the special offers that start on page 11. And if you are a Macintosh person who has a review to write for the Journal, please do so. This summer has witnessed a lull in Mac articles from Pi members. So hopefully now that summer is over, the Mac folks will write again.



# The Manager: A MultiFinder for the Apple IIGS

by Peter van Dongen

In the GS+ Magazine of 1993 I read that the year 1993 could be the year of the twins for the Apple IIGS. There are two twins now and when all binary laws keep alive, it will stay like this. The "twins" mentioned here are AutoArk and Hardpressed on the one hand and The Manager and SwitchIt on the other hand. The first pair of programs perform the same function as Diskdoubler for the Macintosh. These programs shrink programs and data in such a way as to fit more on a hard disk drive. I would like to write a few words about The Manager and SwitchIt.

What these Apple IIGS programs do is make it possible for users to load more than one program into the computer's memory at once. The advantage of doing so is that you can switch from one program to another very quickly. (The name "SwitchIt" reminds me of the Macintosh program named "Switcher," the forerunner of "MultiFinder" on the Mac.) The resemblance of names between then new Apple IIGS program "SwitchIt," and the old Mac program "Switcher," is indicative of the close resemblance in operation of these two programs. The marketing people of Seven Hills Software (who make and distribute The Manager), compare the competing product "SwitchIt" with the old Mac "Switcher," and see their own product, The Manager, as the one and only.

According to the manual, The Manager is the first and only MultiFinder for the Apple IIGS. When you've got it installed, you'll be sur-

prised about the possibilities of the IIGS. The Manager is not loaded—like the Macintosh—automatically into the IIGS's memory. Rather, you have to manually load it yourself, or have the computer load it via the SetStart CDEV. (For those who might not know, a "CDEV" is defined as a control panel device, a mini-program that is loaded automatically whenever the computer is started up. CDEV programs on the Macintosh and Apple IIGS give added functionality to the use of other programs on the computer.)

One The Manager is loaded, it loads up the regular Apple IIGS Finder. You'll notice that after The Manager is loaded, the Apple menu (on the upper left side of your screen) will move a bit to the right and a small icon of the current application will appear. Every application that is now loaded will stay in the Apple IIGS's memory until you exit it (Quit). When you have two Apple IIGS programs loaded, you can very easily switch between them by clicking anywhere in the window of the program you're not currently using.

## Not All Apple IIGS Programs Work with The Manager

When you're using The Manager, each application can be given some parameters. For example, you can choose which window must disappear or say when another program is opened. This feature is especially useful with HyperStudio and HyperCard GS. There is also the possibility of telling The Manager which Apple IIGS applications are

incompatible with it. Luckily, a file listing incompatible programs comes with The Manager software. Note: It's not always The Manager's fault that applications don't work with it. Often incompatibilities arise when software developers do not follow Apple's recommended programming guidelines.

## The Manager as a Startup Program

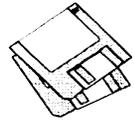
When you tell Setstart to start The Manager, it looks like you're starting up a real MultiFinder (because The Manager starts the Finder). For optimal results you should have at least two megabytes of RAM to use The Manager on your Apple IIGS. Four megabytes of RAM are recommended by the publisher of the program.

But even if you have 16 megabytes of RAM in your Apple IIGS, you can only load three or four programs into the IIGS's memory at the same time using The Manager. The reason for this is that The Manager uses the first 64 kilobytes of memory as "Zero Page" memory. Some programs, such as AppleWorks GS, take more zero page memory than is necessary.

Demonstration disks of The Manager and SwitchIt are available for downloading from many electronic bulletin boards (BBS's). These two products will be valued by Apple IIGS users in their normal everyday work. Incidentally, it appears that The Manager may not work well with the new Apple IIGS system software, System 6.0.1.. (Released in July, 1993). Without having seen system 6.0.1, I can't confirm that this incompatibility exists.

So it appears that the Apple IIGS is becoming more of an "adult" computer with each passing day.

*[Originally written by Peter van Dongen, an Apple IIGS enthusiast from Holland; translated and edited by Doede Boomsa. Doede is an active member of the largest Apple user group in Holland, "Klokhuis Holland."]*



# Macintosh Disketeria

by Dave Weikert

## New Disks

There are 15 new disks this month; a complete revision of the PostScript Fonts series 6.XXB and Apple System 7.1 Hardware System Update 2.0. Descriptions of the files on the new and revised disks are included below.

## PostScript Fonts Special

We revised Disk series 6.XXA prior to MacWorld Expo so we could showcase our PostScript Fonts at a special Expo price of \$30. We compressed all files on the original 19 disks as Stuffit archives; this reduced the disk count to 14. This 14 disk set has 189 ShareWare and FreeWare fonts of all types. The series is available at the Expo price of \$30 for the set of 14 disks and individually at \$4 per disk and \$3.50 per disk for five or more. Note that there are no new fonts in this series; this revision was intended to increase the value of each disk by including more fonts per disk through file compression. Descriptions of the fonts in the series are included below.

The first disk contains the only description of the contents of the whole series. This is a departure from our normal method of including a MacWrite file on each disk describing the contents of that specific disk. The description on the first disk is in Easy View text format; the Easy View Application is also included. All of the files on the disks may be expanded using Stuffit

Expander or UnStuffit which is also included on the first disk.

PostScript font folders contain of at least two elements; a printer font that can be downloaded to the PS printer and a screen font. Most PS printers come with eleven "families" of printer fonts (35 "fonts") already permanently installed in the PS printer ROM. To use these built in fonts, you only need to have the corresponding PS screen fonts such as Times, Helvetica, Courier, etc., in your normal system.

If, however, you wish to use some of the thousands of other available PS fonts, you have to have both a printer font in your System Folder plus a screen font which you can view on your screen. The PS fonts provided on these disks will have at least one printer font and one screen font.

The method of installing fonts has changed as Apple has released newer operating systems. System 6.0.8 and earlier are handled one way, System 7.0 variants another and System 7.1 and later still another.

For System 6.0.8 and earlier, place the printer file in the System folder. Install the screen font file in your System file using the Font/DA mover. Instructions for using Font/DA Mover are provided in Apple documentation.

For Systems 7.0 and 7.0.1 drag the screen font and printer font onto the System folder and follow instructions. The screen font will

be installed in the System file and the printer font will be installed in the Extensions folder.

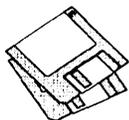
For System 7.1 and later, there is a Fonts folder that holds both the PS font and the screen font. You may drag them there directly or drag the screen font and printer font onto the System folder and follow instructions.

All of the fonts on these disks are provided in the Adobe Type 1 format. Type 1 PostScript language outline fonts are interpreted by Adobe Type Manager (ATM) and smoothly reproduced on your screen and on the printed page regardless of size. ATM also enables inexpensive printers to print PostScript language fonts that appear crisp and smooth.

## Apple System Software

There is one new disk with Apple System Software this month. This 1.44 MByte disk contains the Hardware System Update 2.0 for System 7.1.

Hardware System Update 2.0 performs the same function for System 7.1 that System Tune-Up 1.1.1 performs for System 7.0 and 7.0.1—it fixes a number of errors in Apple's Operating System and enhances the performance and system reliability of most Macintosh models. Specific areas that are improved or fixed for some Macintosh models include reliability of high speed modem connections, clock accuracy, floppy disk ejection at shutdown and some hard disk problems. It also corrects color problems with the Apple Basic Color Monitor and scrolling noise on Macintosh 16 inch Color Displays. The Hardware Update adds software for the Apple Adjustable Keyboard, enhances the Sound Manager, updates the Memory Control Panel and adds a 720K Floppy Disk Formatter Extension. It also updates the System Enablers for Color



Classic and PowerBooks 160, 165C and 180 and updates the PowerBook Control Panel and Express Modem software. New versions of the Apple HD SC Setup (7.2) and Apple Disk First Aid (7.1.1) are also provided. Everyone running System 7.1 on any Macintosh except a Performa should install this update.

### About ShareWare Requests

Please honor authors' requests for ShareWare fees if you decide to add ShareWare programs to your software library. ShareWare is a valuable distribution channel for low cost software and it is important to encourage authors to use this channel by paying them for their efforts.

### Disk #6.01B — PS 1 POSTSCRIPT T1 FONTS

**Read Me First:** A text document that provides a brief introduction to Washington Apple Pi, Ltd. and explains how to extract the archived files in this disk series.

**Easy View 2.32 f.sit:** An application for intelligent browsing of collections of structured text files, large or small. It allows very fast access by recognizing the internal structure. We have included the Program Notes for this disk series in the Simple text format within the *Washington Apple Pi.f.* Just double click the *WAP Disketeria* document to read our Program Notes and information about Washington Apple Pi, Ltd. and our Mac Disketeria (You may have to select Word Wrap under the Style menu to facilitate viewing). *Easy View Introduction* and *Easy View Notes* are in text format. *Easy View - Read Me* is in Easy View format.

**UnStuffit™ 3.0.6.sea:** By Raymond Lau and Aladdin Systems, Inc. Decompress (unstuff) archive files created with Stuffit Classic, Stuffit Lite and Stuffit Deluxe programs. Easy to install, just double click and follow the directions. *Read Me First* is in text format.

**Aarcover PS f.sit:** By David Rakowski. A Type 1, all caps font, plus numbers and punctuation, whose characters "look like" static electricity or limp lightning. *Read me Aarcover Type 1* is in text format. *ShareWare - see the terms in the program notes.*

**AdineKirnberg-Script PS f.sit:** By David Rakowski. A German Art Nouveau script Type 1 font containing a full alphabet and most punctuation. It is a beautiful, rounded script with very striking caps and relatively small lower-case characters. It is modeled on a face called Romana. *Read me AdineKirnberg-Script* is in text format. *ShareWare - \$7.49 to Columbia University.*

**Albatross PS f.sit:** By LORVAD (formerly Printers Devil). A text body font with a moderately short x-height. The relative point size is a bit small (i.e. 14 point is closer to what most people would consider 12 point). It contains all the regular characters and many special characters. *Read Me First-LORVAD.txt* is in text format. *ShareWare - \$10.*

**Alexandria PS f.sit:** A rather angular body or display Type 1 font with relatively large rectangular serifs. *Generic READ ME - TrueType* font is in text format.

**Ambrosia Cap PS f.sit:** By Sam Wang. A Type 1 graceful Art Nouveau display font. The lower case letters are reduced sized duplicates of their upper case counterparts. *ReadMe* is in text format. *Free but \$5 donation cheerfully accepted.*

**Analog PS f.sit:** By Detlef Reimers. A font that may be used to draw(type) analog electrical circuit diagrams. The double clickable *Info* file is in DOCMaker format.

**Andesite PS f.sit:** By James M. Harris. A beautiful Type 1 display typeface based on Letraser's PLAZA (formerly PLAYBOY). This font has uppercase characters, numerals, punctuation, and accent marks only. *Read Me—Andesite* is in text format. *ShareWare - \$25.*

**Animal Dingbats PS f.sit:** By Michael Boyle. A collection of Type 1 animal dingbats, all solid black (except for the zebra). *Animal Dingbats Manual* is in double clickable DOCMaker format. *Font Conversion Information* is in text format. *ShareWare - \$5; \$3 for the conversion to TrueType.*

**Ann-Stone PS f.sit:** By David Rakowski. A drop caps woodcut Type 1 font from the late nineteenth century. Germany, to be exact. Each letter is black, surrounded by a box drawn in thin lines and curvy, curtain-like, stained glass patterns filling in the space. *Read me Ann-Stone* is in text format.

**Appleencode PS f.sit:** By Adobe Systems

Incorporated. Adobe PostScript code (apple-encode) for the apple character, which is not printable by some PostScript printers/typesetters. *apple.encode.memo.readme* is in text format.

### Disk #6.02B — PS 2 POSTSCRIPT T1 FONTS

**Architect 1.3 PS f.sit:** By Hank Gillette. A Type 1 font, Architect simulates hand printing of the type typically done by architects. It was inspired by Adobe's font Tekton. It has a full set of letters, numbers, and punctuation, and quite a few extra characters. *Architect Read Me* is in MacWrite format.

**Arctic 2.0 PS f.sit:** By Sam Wang. A Type 1 brushscript font from the Dover book on Solotype fonts. It is complete with upper and lowercase letters, as well as numbers, punctuation etc. *ReadMe* is in text format. *ShareWare - \$10.*

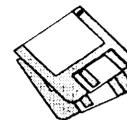
**Ashley PS f.sit:** By Peter Jensen. A Type 1 font that mimics a sophisticated, probably female, print handwriting. It includes nicely rounded letterforms. *Please Read Me — Ashley* is in TeachText format. *ShareWare - \$10.*

**AtticAntique PS f.sit:** By Brian Willson. A body or display Type 1 font that resembles the wavy, broken serif type you might find in a hundred-year-old textbook. Quite legible even at tiny point sizes, which give a subtle look of age; use at larger sizes for drop caps or to make a design statement. *AtticAntique<TT>.ReadMe* is in text format. *ShareWare - \$10.*

**Author PS f.sit:** By FontBank, Inc. A classic cursive script in a heavy weight for headline use. This is a commercial Type 1 font (not ShareWare or public domain) that is offered without cost as a sample. See the *Special Offer 10/19* in text format for details on ordering the collection at a reduced price.

**Averoigne PS f.sit:** By Dave Nalle. A curvy Type 1 decorative or display font that contains only upper-case characters. *READ ME!* and *catalog.asc* are in text format. *ShareWare - \$5.*

**Beffle PS f.sit:** By David Rakowski. A Type 1 titling display font the author made for his wife Beth (sometimes, although rarely, known as Beffle) from the font called Fry's Ornamented, an engraved all-caps font. It contains a full alphabetic set (upper case and lower case are identical) and some punctuation (no exclamation point or question mark) and no



numbers. Read me Baffle is in text format. *ShareWare* – \$3 tax deductible contribution to Columbia University.

**Benjamin Caps PS f.sit:** By David Rakowski. A Type 1 font in the Art Nouveau style; it has a wood-carved feel to it. All 26 capital letters are in the font, and the tail of the capital 'Q' is amazingly long. Read me Benjamin Caps is in text format.

**Bill's Dearborn Initials PS f.sit:** By Bill Tchakirides and U-Design Type Foundry. A Type 1 font designed as a companion piece for Bill's Victorian Ornaments. It consists of 26 swash initials and 7 fleurons. The characters are based on Dearborn Initials from the Barnhart Brothers and Spindler spec book of 1908. The fleurons are adapted from border elements in the same volume. Read Me First and Read Me Second are in text format. *ShareWare* – \$10.

**Bizarro PS f.sit:** By David Rakowski. A display caps-only Type 1 font with bizarre (hence the name) silhouetted characters in the shape of people, animals, sprites, and various sorts of harlequins and demon like creatures. The character outlines are from an old 17th or 18th century source. Read me Bizarro is in text format.

**Black Chancery PS f.sit:** A Type 1 font that has an Old World look. This one was missing any author information; can anybody out there help identify the author and *ShareWare* fee if any?

**BlackForest PS f.sit:** By Printers Devil. A Type 1 font with an old world German feel with intricate upper case letters. It is designed without any curves. Best at larger sizes. Read Me First!! is in text format. *ShareWare* – \$10.

**BluePrintBold PS f.sit:** By David Rood. In spite of the font name, I think this hand printed Type 1 font is too informal for most formal blueprint type drawings. It does give a nice hand printed look for informal body or display work. **BluePrint Bold Note** is in text format. *ShareWare* – \$10.

**Bodidly Bold PS f.sit:** By Printers Devil. A Type 1 font that looks great in small or large sizes. This one can readily pass for Poster Bodoni at a fraction of the cost. Read Me First! is in text format. *ShareWare* – \$10.

**BowLegs PS f.sit:** By Lorvad. A display Type 1 font; the vertical strokes have a slight bow or curvature that gives them an interesting look. Read Me **BowLegsTT-LORVAD.txt** is in

text format. *ShareWare* – \$10.

**Braille PS f.sit:** By Partners In Design. A Type 1 font of the Braille characters. Notes-Braille Grade1 is in text format.

**CableDingbats PS f.sit:** By Gene Cowan. A Type 1 font that contains logos from many popular US Cable Television and Broadcast networks including our local Washington, DC channels. Please remember that they are copyrighted by those networks. These logos are provided for your private use only. **Cable Dingbats Docs Text** is in text format. *ShareWare* – \$25.

**Capel-Y-FFin PS f.sit:** By A. K. M Adam. A sans-serif Type 1 font designed to resemble Gil Sans. No, Really-Read Me! C-Y-F is in TeachText format. *ShareWare* – \$5.

**Carrick Caps PS f.sit:** By David Rakowski. A Type 1 PostScript font which contains all 26 capital letters. The I and the J, however, look exactly alike. The letters are drawn in black in a Gothic style, on top of a stained-glass window kind of pattern. Read me Carrick Caps is in text format.

### **DISK #6.03B — PS 3 POSTSCRIPT T1 FONTS**

**Caraway Bold PS f.sit:** By Peter Jensen. A Type 1 san-serif calligraphic face in an informal but very attractive style. This is an extensively kerned font that looks best in larger sizes. Please Read Me-Caraway Bold 2.0 is in TeachText format. *ShareWare* – \$10.

**CartWright PS f.sit:** By Printers Devil. A Type 1 font inspired by the Adobe wood type Ponderosa font. Just the font for designing those old west wanted posters. Read Me First!! is in text format. *ShareWare* – \$10.

**Castiglioni PS f.sit:** By Dave Nalle. A calligraphic Type 1 font with elegantly curved characters. **READ ME!** and **SFL Catalog** are in text format. *ShareWare* – \$5.

**ClassDing 2.0 PS f.sit:** By Bruce Shanker. Small graphics that may be used to delineate different categories of classified ads. Available in normal black on white and "reversed" white on black formats. **Fonts docs** is in text format and describes all of the fonts available as a collection. *ShareWare* – \$20 for complete collection.

**Classica PS f.sit:** By Francis X. "Butch" Mahoney, Jr. A somewhat 'old fashioned' looking but attractive serif font. This font was converted to Type 1 by Design To Print RoundTable on

GENie. Read Me, Please! is in text format. *ShareWare* – \$15 per font.

**Columbus PS f.sit:** By Sam Wang. An interesting Type 1 serif font that appears most useful as a display font. **ReadMe** is in text format. *ShareWare* – \$5.

**Crackling Fire PS f.sit:** By David Rakowski. Crackling Fire is a Type 1 PostScript font. It is an all-caps font, plus period, comma, exclamation point and question mark. It looks like Dom Casual letters beginning to go up in flames. Read me Crackling Fire is in text format.

**Crillee PS f.sit:** By Gene Cowan. A Type 1 version of the typeface Crillee, which is the face used for the credits of Star Trek: The Next Generation.

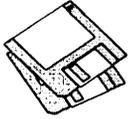
**DavysDingbats PS f.sit:** By David Rakowski. A Type 1 font full of really cool pictorial characters. There are around 200 pictorial characters of varying use. Check the option keyboard for ballerina dancers in various poses, and the option-shift keyboard for some really wonderful Art Nouveau images. Experiment—find the images that best suit you. You should use the font in moderation, and not use too many other downloadable fonts in conjunction with it. A whole page of DavysDingbats characters just may cause your printer to reset due to memory limitations and the page won't print. Read me DavysDingbats is in text format. *ShareWare* – donate \$12 or more to Columbia University.

**DavysOtherDingbats PS f.sit:** By David Rakowski. Another Type 1 font full of really cool pictorial characters including Calvin, Hobbes, Schroder and Snoopy and other pictures of interest. Read me DavysOtherDingbats is in text format.

### **DISK #6.03B — PS 3 POSTSCRIPT T1 FONTS**

**DavysRibbons PS f.sit:** By David Rakowski. A Type 1 font that looks like a long, unfurled banner or ribbon displaying the letters. Read Me DavysRibbons is in TeachText format and includes a sample picture of the font. *ShareWare* – \$7.49 to Columbia University.

**DavysBigKeyCaps PS f.sit:** By David Rakowski. A Type 1 font of characters meant to reproduce the "look" of keys on the IBM and Macintosh extended keyboards. It is intended primarily to aid in software documentation. The "big" version sacrifices geometric integrity for



legibility at small sizes. Read me DavysBigKeyCaps is in text format.

DavysKeyCaps PS f.sit: By David Rakowski. A Type 1 font of characters meant to reproduce the "look" of keys on the IBM and Macintosh extended keyboards. It is intended primarily to aid in software documentation. Read me DavysKeyCaps is in text format.

Diner PS f.sit: By David Rakowski. The Diner family of Type 1 fonts comes in four weights: Skinny, Regular, Fat and Obese. They have an all-caps set of characters, numbers and punctuation, and extra alternate shapes in the lower-case a, k, m, w and y slots. The Diner-Regular font is based on a tall, thin, rounded Art Deco font called Huxley Vertical. Read me diner fonts is in text format. *ShareWare - donate \$9.50 to Columbia University Music Dept.*

Dobkin PS f.sit: By David Rakowski. An Art Nouveau era script Type 1 font. It contains a full alphabetic set, numbers and punctuation. It's pretty frilly, but still readable—the caps are not as frilly. Best at sizes greater than 36 points on a 300-dpi printer. Read me Dobkin-Script is in text format. *ShareWare - Send tax deductible contribution (see formula in read me file) to Columbia University.*

DotsRight PS f.sit: By Clinton D. Trefethen. A Type 1 novelty font with dots where the serifs and intersecting lines should be. READ ME DOTS is in text format. *ShareWare - \$5 to \$10.*

DownWind PS f.sit: By LORVAD (formerly Printers Devil)..Asemi-psychedelic unkered calligraphic Type 1 font. It contains upper & lower case and numbers and looks best at larger sizes. Read Me. LORVAD TT is in text format. *ShareWare - \$10.*

Dragonwick PS f.sit: By David Rakowski. A Type 1 hinted PostScript font. The bitmaps are in sizes 24, 36 and 48 points. Since the font is detailed, it is not recommended that you use it in a size smaller than 24 points. Read me Dragonwick is in text format.

Dubiel PS f.sit: By David Rakowski. These fonts are modeled on the Torino and Torino Italic fonts which are similar to a condensed Bodoni except with lighter strokes. They work well as either text or display fonts. Since the FOND resources have not been merged you must select the italic font from the font menu rather than selecting the Dubiel font and giving it an italic style. Read me Dubiel fonts/PS is in

TeachText format and includes samples of the font. *ShareWare - \$14.99 to Columbia University.*

Dupuy PS f.sit: By David Rakowski. A Type 1 font family in three weights: Regular, Thin and Heavy. It contains a full kerned alphabet, numbers and punctuation. Upper- and lower-case letters are identical. The letters look rather like cartoon lettering; it most closely resembles the lettering in comics that originated in the '40's and '50's. Read me Dupuy is in text format. *ShareWare - \$5 tax deductible contribution to Columbia University.*

Edda PS f.sit: By Sam Wang. A Type 1 Art Nouveau display font. The lower case is same as upper case except smaller. ReadMe is in text format. *Free but \$5 donation cheerfully accepted.*

Electric PS f.sit: By Detlef Reimers. A font that may be used to draw (type) electronic circuit diagrams. The double clickable Info file kept quitting due to a type 1 error before I could scroll to the end. The Info.text file is exported from Info and shows a number of circuits when the Electric font is selected. Many of the circuit symbols are the same as in Analog PS f.

#### **DISK #6.04B — PS 4 POSTSCRIPT T1 FONTS**

EileenCaps PS f.sit: By David Rakowski. Two related Type 1 DropCaps fonts drawn in an elegant and complex Art Nouveau style. The characters of EileenCaps are all surrounded by a black box and are drawn in white over that box; the characters of EileenCaps-Black are the same as in EileenCaps with the boxes cut out — which means the characters and vinery are black. Only an alphabet of capital letters is in this font. Recommended minimum size for 300 dpi printers is 72 points. Read me EileenCaps is in text format. *ShareWare - donate \$7.50 to Columbia University Music Dept.*

ElizAnn PS f.sit: By David Rakowski. A serif display Type 1 font with thinly etched white lines drawn through the characters. Includes a full alphabet, numbers and punctuation. Use at sizes above 48 points. Read me ElizabethAnn is in text format.

EraserDust PS f.sit: By David Rakowski. A large and detailed display Type 1 font that looks like letters written in thick chalk on a blackboard. A full alphabet, punctuation and numbers are included. Use at sizes above 48 points. Read

me EraserDust is in text format.

FF-MT1 PS f.sit: By Douglas M. Lidster. A series of 16 Type 1 fonts that permit you to view and print true fractions that match the standard PostScript Times and Helvetica fonts built into most laser printers. FF-MT1.DOC is in Word format; other documentation is in text format. Requires Adobe Type Manager. *ShareWare - \$10 for these fonts; \$25 for full package of 66 fonts.*

FoxScript PS f.sit: By Sam Wang. A Type 1 script font with a very bold and flowing stroke that is most appropriate for display use. ReadMe is in text format. *ShareWare - \$5.*

FoxTrotMedium PS f.sit: By Tom C. Lai. An excellent quasi-sans-serif Type 1 font that has most of the 'extras' that big commercial font companies have. Primarily a display typeface, it was derived in part from the ShareWare font UpperWestSide. FoxTrotMedium ReadMe is in text format. *ShareWare - \$25.*

FreshScript PS f.sit: A Type 1 font that resembles handwriting.

Gallaudet PS f.sit: By David Rakowski. The full alphabet and number keys contain graphic representations of the corresponding American Sign Language alphabet for the deaf. Read me Gallaudet is in text format. *ShareWare - please make a substantial contribution to the charity of your choice.*

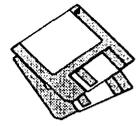
Garton PS f.sit: A Type 1 semi-script serif display font with a full set of characters, numbers, punctuation, a few ligatures, and a helping of upper- and lower-case swash characters. Read me Garton is in text format. *ShareWare - \$6 to Columbia University.*

#### **DISK #6.05B — PS 5 POSTSCRIPT T1 FONTS**

Gessele-Script PS f.sit: By David Rakowski. An elegant script Type 1 font from the Art Nouveau period. The characters are unslanted and are drawn as if with a quill pen, with thick down strokes and thin up strokes. There's a complete alphabet in the font, as well as punctuation and numbers. Read me Gessele-Script is in text format. *ShareWare - donate \$6.49 to Columbia University Music Dept.*

Gismonda PS f.sit: By Sam Wang. An unusual Type 1 sans serif font for display use. ReadMe is in text format. *ShareWare - Accolades, \$\$ contributions, suggestions, or complaints.*

Goudy Medieval PS f.sit: By MentorFonts. A



Type 1 font with an old fashioned look. This is mystery font that came without any author or ShareWare information. The AFM file included the reference to Mentor Fonts. Please give us a call if you have any additional information.

Graphic Light PS f.sit: By Richard Mitchell. A Type 1 font patterned after a metal type from the Baltimore Type Foundry. It has an unusual "ft" ligature and a small x-height. If you use it for blocks of text, always try it first set solid, that is, with a line spacing equal to its size, 12 on 12, for instance. The face, because of its small x-height, is very small on the body, and the lines will fly apart with too much leading. Please Read... and Generic READ ME - TrueType font are in text format.

Green Caps PS f.sit: By David Rakowski. A Type 1 font. It is in the Art Nouveau style, consisting of all the capital letters plus numbers and a period. Each letter is an outline letter on the top half, a black letter on the bottom half, so each looks like it is "half full" of ink. Read me Green Caps is in text format. *ShareWare - donate \$.99 or more to Columbia University.*

Griffin Dingbats PS f.sit: By David Rakowski. A Type 1 font that contains about 155 picture characters and a rather ornate Gothic drop caps font. The images range from Art Nouveau printer ornaments, Renaissance printer ornaments and woodcut printer ornaments to smiling, walking vegetables; the drop caps letters are based on a Gothic typeface called Celebration. Read me Griffin Dingbats split is in text format. *ShareWare - a tax deductible contribution of \$12 or more.*

Handwriting PS f.sit: By Sam Wang. A Type 1 script-like font that replicates handwriting. This one has some nice flourishes and has a mixture of cursive and printed letters that works well. ReadMe is in text format. *ShareWare - \$10.*

Harquil PS f.sit: Another mystery Type 1 font with author and ShareWare fee (if any) unknown. This display font appears best suited to playbills and similar applications. Call us if you know who the author is.

Harrington PS f.sit: By Sam Wang. A Type 1 flamboyant Art Nouveau font that's full of curls and curves; perfect for love letters. It's complete with upper and lower case and numbers. ReadMe is in text format. *Free but \$5 donation cheerfully accepted.*

Harting II PS f.sit: By David Rakowski. A Type

1 font with a full character set that mimics a typewriter which has a ribbon that is running out of ink. (This version straightens most of the more crooked letters of the original version) The characters are monospaced, as on a typewriter, and at low resolutions (300 dpi or lower) the smaller sizes of the fonts will appear merely crooked or a little jaggy, somewhat like a mimeograph; larger sizes or greater resolutions will approach the look of a typewriter that needs a new ribbon, as well. Read me Harting II is in text format. *ShareWare - tax deductible contribution (see formula in read me file) to Columbia University.*

Headhunter PS f.sit: By David Rakowski. A Type 1 font made of bones. All alphabetic characters and some punctuation can be found in the font. There are no numbers. Read me Headhunter is in text format.

Holtzschue PS f.sit: By David Rakowski. A Type 1 font derived from a 19th century Victorian source. It is a caps and numbers only font and the tops of each character are white and the bottom black, with some little stripes in between. There is no punctuation. Read me Holtzschue is in text format.

HorstCaps PS f.sit: By David Rakowski. A Type 1 font in the Art Nouveau style that consists of a set of script capital letters with fairly substantial curly-Q's. This version supplants an earlier version that lacked I, X and Y. Read me Horst Caps is in text format. *ShareWare - \$2.99 to Columbia University.*

Informal Oblique PS f.sit: By Phil Noguchi. A Type 1 update of Informal Oblique, which replaces Slant Informal in public distribution. (Slant was originally designed for informal correspondence and general every-day printing.) Docs for Informal Oblique is in text format.

InkaBod PS f.sit: By Printers Devil. A Type 1 font designed without any curves and based on the bitmapped font Nordic. Read Me First!! is in text format. *ShareWare - \$10.*

### **DISK #6.07B — PS 7 POSTSCRIPT T1 FONTS**

Ian-Bent PS f.sit: By David Rakowski. A very pretty drop caps Type 1 font patterned after a German Art Nouveau font drawn by Otto Eckmann. You'll find a full all-caps alphabet here of characters surrounded by stained glass-patterns. Use it sparingly as it requires a large amount of printer memory. Readme Ian-

Bent is in text format.

Inkwell PS f.sit: By Sam Wang. A Type 1 font with the lower portions of characters widened much like an old fashioned inkwell. ReadMe is in text format. *ShareWare - \$10.*

InstantLogos PS f.sit: By Jonathan Macagba. A Type 1 font designed to help you create logos simply by pressing a combination of keys on your keyboard. It works with most word processors and drawing programs. To fully take advantage of this font, use it in Illustrator, Canvas, or Freehand. These programs have an option to convert characters to paths. This allows you to type out your logo, convert it to paths, and fine-tune it further. AboutInstantLogos.txt is in text format. *ShareWare - \$25.*

International Symbols PS f.sit: By Gary L. Ratay, conversion from Type 3 by Uncle Dave. A collection of some (but by no means all) of international symbols. FreeWare but donations accepted. READ ME is in text format.

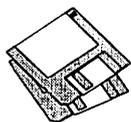
Isadora PS f.sit: By Sam Wang. A very classy looking Type 1 Art Nouveau font. The upper and lower cases are the same, with numbers, etc. ReadMe is in text format. Please Read Me First! is in text format. *Free but \$5 donation cheerfully accepted.*

Judas PS f.sit: By LORVAD (formerly Printers Devil). A Type 1 display font patterned on Adobe wood type Ironwood. It contains only caps, numbers, and a few special characters and seems to look best at 16 points or larger. Very interesting negative space. Read Me First-LORVAD.txt is in text format. *ShareWare - \$10.*

Jumble PS f.sit: By David Rakowski. A Type 1 font using the author's Dubiel face but the characters are rearranged so that they make no sense when typed. The italic version slants down instead of to the right. Folks, this is a real nonsense font, just the gift to someone you would like to really bug. Read me Jumble is in text format.

Kastellar PS f.sit: James M. Harris. A Type 1 (ATM-compatible) display typeface in uppercase characters only (no lowercase or numerals) created with Letraser's FontStudio. It is a very elegant open-face-styled design that until this offering, was only available in hot metal. READ ME FIRST! is in text format. *ShareWare - \$20.*

Kinigstein Caps PS f.sit: By David Rakowski. A



Type 1 font that consists of 23 capital letters (Q, X and Y are missing). It is drawn in a decorative Art Nouveau style such that each cap is drawn in black and looks somewhat as if it's been pressed onto a square of foil. Read me Kinigstein Kaps is in text format. *ShareWare – donate \$4.99 or more to Columbia University.*

Konanur Kaps PS f.sit: By David Rakowski. A Type 1 font. It consists of all 26 capital letters drawn in an Art Nouveau style such that each cap is drawn in black and surrounded with some simple, round pen strokes. Read me Konanur Kaps is in text format. *ShareWare – donate \$4.99 or more to Columbia University.*

Koshgarian-Light PS f.sit: By David Rakowski. A Type 1 font modeled on Handel Gothic Light, the font used on Pepsi Cola cans. The full character set is available, as well as punctuation and numbers. The font is a square sans serif font, like a more rounded Eurostile. Read me Koshgarian-Light is in text format. *ShareWare – \$10 to Columbia University.*

Kramer PS f.sit: By David Rakowski. A Type 1 font that consists of a full alphabet of drop caps, each of which is a white character surrounded by a box and stained glass patterns. The lower-case characters are simply the uppercase character shapes extracted from the patterns and filled in black. Read me Kramer is in text format.

LampoonBrush 2.0 PS f.sit: By Sam Wang. A Type 1 script font that appears to be created with a brush. ReadMe is in text format. Although the documentation indicates multiple bit mapped font sizes, only 24 point size is available so use this one with Adobe Type Manager. ReadMe is in text format. *ShareWare – \$10.*

Larcombe Caps PS f.sit: By David Rakowski. A set of three PostScript fonts that contain all 26 alphabetic characters as drop caps. Each character is drawn very ornately, and consists of a white, outlined letter held up by or in front of a muse or nymph wearing a long white dress and plenty of detail of vines and vegetation surrounding it. The bitmaps show nearly none of the detail of the fonts: the screen versions will give no clues as to the real beauty of every single character in the font — you need to print them on a PostScript printer to see their full glory. Not recommended for use at sizes smaller than 96 points on a 300-dpi output device because much of the exquisite detail will be lost. Read me Larcombe Caps is in text format.

## **DISK #6.08B — PS 8 POSTSCRIPT T1 FONTS**

LaserLondon PS f.sit: By Bill Ware. This Type 1 old English style font is based on the bit-mapped London font. LaserLondon.doc is in text format. *ShareWare – \$10 or 20.*

Lassus PS f.sit: By David Rakowski. A Type 1 font that is modeled on the first music printing with moveable type, circa 1500 by Petrucci. Each character has a length of a five-line musical staff with a particular music symbol placed onto it. The font is not intended for serious musical notation, but is intended for quick-and-dirty, simple musical examples to be placed in a word-processed document so that going back and forth between a word processing program and a drawing or music notation program is unnecessary. Read me Lassus is in text format.

Lee Caps PS f.sit: By David Rakowski. A Type 1 font that contains all 26 capital letters, numbers, and punctuation. The characters look somewhat 3-dimensional. Read me Lee Caps is in text format.

Lefty Casual PS f.sit: By Ted Alspach. This is a script-like font that has a number of characters with a “backward” slant as if written by a left hander. Casual is another way to describe the somewhat spastic look of this font. Read Me!!! is in text format.

Lemiesz & Salter PS f.sit: By David Rakowski. Lemiesz is a Type 1 font modeled on Publicity Gothic that looks like a very bold sans serif font with rough edges. Salter is a Type 1 font that is based on a font called Perspective which features black sans serif characters with a very long, striped shadow which goes off above and to the right of each character. They are both display fonts. Readme Lemiesz&Salter is in TeachText format and includes samples of the fonts.

LibbyScript 2.0 PS f.sit: By Sam Wang. A very graceful brush script typeface in Type 1 format. ReadMe is in text format. *ShareWare – \$10.*

Lilith-Heavy PS f.sit: By David Rakowski. A Type 1 font that is bold and semi-calligraphic with strokes that lighten on the way down, like in Lilith-Light. The x-height is quite small (about 40 percent of the caps height). You'll find a complete alphabet, numbers and punctuation in the font. Read me Lilith-Heavy is in text format. *ShareWare – \$3.01 tax deductible contribution to Columbia University.*

Lilith-Light PS f.sit: By David Rakowski. A Type 1 semi-calligraphic serif font. Long vertical strokes tend to be thicker at the top than at the bottom. The x-height of the font is quite short. A full alphabetic set, numbers and punctuation are available in the font. It is meant to be a display font, and is not recommend for printing to a 300-dpi device at sizes smaller than 18 points. Read me Lilith-Light is in text format. *ShareWare – \$3 to Columbia University.*

Lintsec PS f.sit: By David Rakowski. A Type 1 stencil font with a full alphabet, numbers and punctuation. The author notes “There are no kerning pairs — hey, do YOU kern your stencils?” Read me Lintsec is in text format.

LiquidCrystal PS f.sit: By Peter Jensen. A Type 1 font that duplicates the classic 7-segment digits that appear in a Liquid Crystal Display (LCD). Please Read Me — LiquidCrystal is in TeachText format.

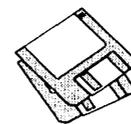
Logger TT PS f.sit: By David Rakowski. A Type 1 font shaped like logs; there are capital letters and punctuation only. Read me Logger Type 1 is in text format.

Lower East Side PS f.sit: By David Rakowski. A Type 1 PostScript font modeled on an Art Deco typeface called Astur. It looks like bold, 3-D brush strokes forming the characters with deep shadows — it also tends to look like bent pieces of plywood with shadows. It is kerned, and ought to be used for display text only at sizes 72 points and larger. Read me Lower East Side is in text format.

Lower West Side PS f.sit: By David Rakowski. A Type 1 PostScript font created with Fontographer 3.1. It contains a full upper- and lower-case alphabet, numbers and punctuation — no diacritics. It is based on the typeface “Shatter” and looks much like the famous signs saying things like “STRESSED OUT?” or “ARE YOUR EYES BAD?!” Obviously the typeface is of limited use, except for calculated irritation. Read me Lower West Side is in text format. *ShareWare – donate \$2.49 (vor a bargain!!) to Columbia University.*

Lumparsky PS f.sit: By Walter Kafton-Minkel. A Type 1 font with unusual bold forties-style hand-lettering typeface based on a partial font found in an old lettering manual. Lumparsky Read Me is in text format.

MachineBlock PS f.sit: By Gary Hagestead. A bold headline Type 1 font consisting of upper case letters and most of the commonly used symbols. It is patterned after the “Machine”



type style. MachineBlock.doc is in MacWrite format. ShareWare – \$15.

Maginot PS f.sit: By Dave Nalle. A Type 1 decorative or display font that contains only upper-case characters. READ ME! and catalog.asc are in text format. ShareWare – \$5.

Maidstone Script PS f.sit: By Sam Wang. A Type 1 script font, just what you need to simulate handwriting. This one has a large X-height and is nicely done. ReadMe is in text format. ShareWare – \$10.

Mira PS f.sit: By Sam Wang. A Type 1 Art Nouveau font that contains both upper and lower case. ReadMe is in text format. Free but \$5 donation cheerfully accepted.

Muriel PS f.sit: By FontBank, Inc. A Type 1 display script font. EPS files are also provided for use with Illustrator and FreeHand. FontBank is a commercial distributor of fonts and is providing these without charge as a sample of their work; see the details "Online Special" in the ReadMeFirst! doc in text format.

#### **DISK #6.09B — PS 9 POSTSCRIPT T1 FONTS**

Medusa PS f.sit: By LORVAD (formerly Printers Devil). A Type 1 display font based on the familiar Art Nouveau font Broklyn. It has a large number of kerning pairs. It looks good at sizes 12 and larger. ReadMeFirst-LORVAD.txt is in text format. ShareWare – \$10.

Multiform PS f.sit: By David Rakowski. A Type 1 hand-drawn Art Nouveau font. Read me Multiform is in text format.

MusicFontsDemo PS f.sit: By Aron Konanur. Two specialized Type 1 fonts for users of Finale and Composer music software. These versions are missing half the characters from the postscript files. Demoware – \$30 for the full featured font.

NatashaCaps1.0 PS f.sit: By Raj Singh. A all caps Type 1 font consisting of top-heavy letters that was designed with the Addams Family in mind — kind of funny/creepy. Read Me is in text format.

Nauert PS f.sit: By David Rakowski. A Type 1 chiseled serif font from a mid-nineteenth century source. It is a display font that, due to its detail inside each letter, looks best above 48 points on a 300-dpi printer. It is generously kerned and contains a full character set, minus diacritics, minus brackets and parentheses. Read me Nauert is in text format. ShareWare

– tax deductible contribution (see formula in read me file) to Columbia University.

NeuSansBlack PS f.sit: By Jim Pearson. A sans-serif typeface designed for almost every phase of font use. Handy for emphasizing text, headlines, special announcements, etc. About NeuSans-Black is in text format. ShareWare – \$5.

NeuVarese Bold Italic PS f.sit: By David Teich. This Type 1 font is derived from "Novarese Bold Italic" but has Italic capitals, additional ligatures, dingbats and fractions. !Read Me First is in text format.

NewRixFancy PS f.sit: By RIX Font Foundry. A Type 1 sans-serif font. NewRixFancy READ ME is in text format. ShareWare – \$15.

NixonInChina PS f.sit: By David Rakowski. A Type 1 font designed to look like display printing on many Chinese restaurant menus. It has a complete upper- and lower-case alphabet and punctuation: no numbers or diacritics and is based on a font called Chopstick. Read me NixonInChina is in text format.

Notepad PS f.sit: By Jonathan Stampf. A Type 1 font intended to emulate casual handwriting; it has a somewhat spastic appearance. This one is free but the author has a version that has additional character variations that is available for \$35. Read Me First is in text format.

NuSymbol v1.01 PS f.sit: By Dave Reid. Based on Apple's Symbol font, NuSymbol Bold bears roughly the same relationship to its parent as does Times Bold to Times. The NuSymbol italic is skewed 15 degrees forward, while NuSymbol bold italic is a combination of both. Read Me is in text format.

Octavian PS f.sit: By Dave Nalle. A Type 1 serif body text font that contains lower- and upper-case characters; it has somewhat a calligraphic flair. READ ME! and SFL Catalog are in text format. ShareWare – \$5.

OxNard PS f.sit: By LORVAD (formerly Printers Devil). An Type 1 outline shadow font with irregular sizing and erratic baselines. This is a caps only display font that works best in sizes above 25 points. Read Me. Lorvad .txt is in text format. ShareWare – \$10.

#### **DISK #6.10B — PS 10 POSTSCRIPT T1 FONTS**

Ornaments PS f.sit: By Nigel Yeoh. A Type 1 font that consists of a collection of ornaments, which go along rather nicely with Adobe's Wood Type Package. All of the characters

were digitized from an enlarged photocopy of Roy Kelly's American Wood Types, and most of ornaments, flourishes and pointers come from Hamilton's 1906 catalogue. ornaments.comments is in text format.

OswaldBlack PS f.sit: By Printers Devil. A Type 1 font that looks great in small or large sizes. Very similar to the Cooper Bold commercial font from Altsys but check out the non commercial ShareWare fee. Read Me First! is in text format. ShareWare – \$10.

ParisMetro PS f.sit: By David Rakowski. A Type 1 PostScript font that is modeled on the font used on some of the old Art Nouveau Metro stations in Paris. It is also a rather black font. In this font is a full set of upper-case characters — no lower-case characters — as well as full punctuation and numbers. Read me ParisMetro is in text format.

Patriot PS f.sit: By Jim O'Bryan, Aartvark Design Studios. A Type 1 font based on the missiles used during Desert Storm, including the Patriot, Hellfire 1, Hellfire 2, Tow, Scasparrow, I/Hawk, and Harpoon. It is a display face with Upper Case, and Small Caps for the Lower Case, Numerals are also included. Dedicated to the men and women who served, or helped in the recent Gulf Crisis.

Pepita PS f.sit: By Sam Wang. Another Type 1 script-like font that replicates handwriting. This one has a mixture of cursive and printed letters like the author's Handwriting font but the strokes are bolder and more masculine. ReadMe is in text format. ShareWare – \$10.

Phonetic-Alphabet PS f.sit: By David Rakowski. A Type 1 serif font of the International Phonetic Alphabet (I.P.A.). If you don't understand that sentence, you don't need this font. Read me Phonetic-Alphabet is in text format.

Pixie PS f.sit: By David Rakowski. A Type 1 PostScript display font that roughly looks like Bodoni must look like after ten or more beers — an uneven, hand-drawn serif font with a wide variation of thicks and thins. It makes a good specialty font for advertisements when an informal feel is desired or when you want to recreate generic 1950's advertisements from Boys Life or Mechanix Illustrated. Read me Pixie is in text format. ShareWare – donate \$4.99 to Columbia University.

Pointage PS f.sit: By David Rakowski. A Type 1 all-caps font resembling Torino that has had Victorian-type pointing fingers, pointing right, superimposed so that the hands look like they

are grasping the letters as well as pointing rightward. *ShareWare – donate \$3.03 to Columbia University Music Dept.*

**Polo Semiscript PS f.sit**; By David Rakowski. A Type 1 PostScript display brush stroke font with plenty of swashes. It makes a good specialty font for advertisements when an informal feel is desired. *Read me Polo Semiscript* is in text format. *ShareWare – donate \$3.41 to Columbia University.*

**PregQuail PS f.sit**; By Lorvad. A novelty Type 1 FONT that contains upper and lower case and numbers and minimal punctuation. It looks best at sizes over 50 points. *ShareWare – \$10.*

**Premium Thin 2.0 PS f.sit**; By James M. Harris. This Type 1 decorative typeface is based upon a very famous display typeface called Premier Lightline. It contains the lower case characters as well as upper case. There are also many alternate characters, punctuation marks, and numbers 0-9, and there are nearly 300 kerning pairs. *Read Me—PremiumThin* is in text format. *ShareWare – \$25.*

**RabbitEars PS f.sit**; By David Rakowski. A Type 1 round, bold '40's type of advertising display font whose letters slightly resemble Cooper Black. Uppercase and lowercase characters are identical in this font, except for B, H, F, K and L, which are far taller than the other characters, forming "rabbit ear" loops at the top (hence the name). All the characters look like lowercase characters. Also in the font is a complete set of numbers and punctuation. *Read me RabbitEars* is in text format. *ShareWare – tax deductible contribution (see amount in read me file) to Columbia University.*

**Ransom Note PS f.sit**; By Ted Alspach. A Type 1 font which incorporates a different type style for each character, in addition to a slight rotation, possibly a background, maybe a skewing or two, and an occasional horizontal or vertical scaling. *Read me or Else!* is in text format. *ShareWare – \$5.*

**Rechtman PS f.sit**; By David Rakowski. A Type 1 chiseled script font with a complete character, number, and punctuation set. The "chiseled" features of the font may disappear below sizes of 36 point when printed on a 300-dpi device; however, the font will still look nice, sort of like a bold script font with a short x-height. *Read me Rechtman* is in text format. *ShareWare – Send tax deductible contribution (see formula in read me file) to Columbia University.*

**Recycle PS f.sit**; By Clark T. Riley. A Type 1 font

which has the five General class and seven plastic class recycle symbols. *Recycle symbols* is an MS Word document including all the symbols; install the font in your system before viewing or printing the document.

**ReliefDeco PS f.sit**; By David Rakowski. A Type 1 caps and numbers font, no punctuation; lower-case letters are identical to upper-case letters. It is generously kerned. The letter images are of a heavy slab serif typeface, but of the shadows only, making it a "kind of cool" (sic) display font, unsuitable for text applications, and not so good looking below 18 points. *Read me ReliefDecois* in text format. *ShareWare – \$2.99 to Columbia University.*

**Reynolds Caps PS f.sit**; By David Rakowski. A caps-only Type 1 PostScript display font in an Art Nouveau style. *Read me Reynolds Caps* is in text format.

#### **DISK #6.11B — PS 11 POSTSCRIPT T1 FONTS**

**ReliefPak PS f.sit**; By David Rakowski. Three Type 1 sans serif display fonts drawn in relief: *WhatARelief*, *ReliefInReverse*, and *RoundedRelief*. *WhatARelief* and *ReliefInReverse* use the same lettershapes—a squarish sans serif relief alphabet. *ReliefInReverse* prints a black strip with white shadows, or the "negative" of *WhatARelief*. *RoundedRelief* is a rounder, more condensed relief font. *Read me ReliefPak* is in text format. *ShareWare – \$4.99 or greater tax deductible contribution to Columbia University.*

**Rhyolite PS f.sit**; By James M. Harris. A Type 1 display typeface (based on Huxley Vertical) in uppercase characters, numerals, and punctuation only. There are alternate characters for the letters A, K, M, N, W, and Y, and they can be found using their lowercase equivalents. Created entirely with Letraset's FontStudio. It is a display face that looks elegant and distinguished. *READ ME FIRST!* is in text format. *ShareWare – \$20.*

**Rossbauer Caps PS f.sit**; By David Rakowski. A set of five really big PostScript fonts that contain very ornate early 20th century German woodcut drop caps. Each image is of an outlined serif capital letter with a backdrop of a person and some sort of landscape. Don't use more than one drop cap at a time, and use "Unlimited Downloadable Fonts" from the Page Setup command if you plan to use the font with another downloadable font. *Rossbauer Caps* is not compatible with Adobe Type Manager.

*Read Me Rossbauer Caps* is in text format.

**Rothman PS f.sit**; By David Rakowski. A Type 1 Art Deco font that includes all alphabetic and numeric characters and punctuation. This is a very condensed font that is based on the font "Empire." The lower case letters are one half the height of the upper case letters and the same character width. *Read me Rothman TrueType* is in TeachText format.

**Rudelsberg 2 PS f.sit**; By David Rakowski. This Type 1 font is in the Art Nouveau vein (turn of the century Germany in this case) and may be thought of as a second cousin to Adobe's Arnold Boecklin font, in that the lower case letters are a little similar, although the upper case characters lack the swashes of Adobe's font. *Rudelsberg* contains the full set of upper- and lower-case characters, numbers, and some punctuation, but no diacritics. *Read me Rudelsberg Type 1* is in text format.

**SafariDemo PS f.sit**; By Computer Safari. Includes the *Romulus Type 1* font which is similar to the *Star Trek Romulan* and *Vulcan* alphabets. There are 23 characters in the font. The other font is really a demo with a sample of seven Type 1 fonts that evoke *Star Trek*, *Ancient Egypt* and *Alien Nation*. *Read Me Text* is in text format.

**Saint Francis PS f.sit**; By Hank Gillette. *Saint Francis* is a Postscript version of Apple Computer's venerable *San Francisco* font. It has the full character set that *San Francisco* has, plus some alternate characters (try *Option e*, *Option g*, and *Option W*), and some visual puns included for the author's amusement. *St. Francis Read Me* is in MacWrite format.

**SarahCaps PS f.sit**; By Sam Wang. A Type 1 Art Nouveau display font. *Read Me* is in text format. *ShareWare – \$10.*

**SchwarzWald PS f.sit**; By Peter Jensen. A Type 1 display font. It is very bold and striking with a bit of a woodcut look. It emulates *Glummie*. Please *Read Me - SchwarzWald* is in TeachText format. *ShareWare – \$10.*

**Sharktooth 2.0 PS f.sit**; By Peter S. Bryant. A Type 1 typeface. Since *Sharktooth* is a display font, it is generally not acceptable for body text. *Sharktooth* is also hinted to optimize output on 300-dpi or less printers. *Sharktooth Read Me* is in text format. *ShareWare – \$10.*

**Shohl-Fold PS f.sit**; By David Rakowski. The letters look like they are on a continuous fanfold—some facing left, some facing right.

To get the visual effect of a continuous fanfold, then, a left-facing letter should follow a right-facing letter should follow a left-facing letter, etc. To wit, there are two versions of each character in the font—the left-facing version and the right-facing version. Read me Shohl-Fold is in text format.

Shorai 2.0 PS f.sit: By Lawrence M. Schoen. A Type 1 hiragana (Japanese) font. The name means “whisperings of the wind through pine trees” as well as “the future.” Shorai Doc is in double-clickable application format. The author requests a \$5 donation to Lake Forest College Font Project.

### **Disk #6.12B — PS 12 POSTSCRIPT T1 FONTS**

Showboat PS f.sit: By David Rakowski. A Type 1 font created with Fontographer 3.1 in an old nineteenth century marquee style. It includes all 26 capital letters plus rudimentary punctuation. Read me Showboat is in TeachText format.

Shpfltnat 2.3 PS f.sit: By David Rakowski. A Type 1 PostScript font. Used to print musical characters that can be inserted in text, as in a word processor — not for musical notation. Adobe's SONATA font has beautifully drawn characters, but since they are scaled to relative sizes, using them in text changes the line spacing drastically; for instance, to use the “natural” sign at the correct size in a line of text, the spacing gets changed to quintuple spacing (the character has a ton of white space above and below it). The notes in shpfltnat have deliberately large noteheads so that they will print large enough to read in a block of 12-point text. About Shpfltnat 2.3 is the documentation in double-clickable application format. *ShareWare — donate \$10.01 to Columbia University.*

Shrapnel PS f.sit: By David Rakowski. A Type 1 font with full alphabet, numbers and punctuation. The edges of the letters of the alphabet look like they are exploding, hence the name Shrapnel. Read me Shrapnel is in text format.

SillyconValley PS f.sit: By Jim Ratliff. A font patterned after the magnetic coding type you see at the bottom of bank checks. SillyconValleyFont Note is in text format.

Sinaiticus PS f.sit: By A. K. M. Adam. A Type 1 font designed to resemble the Greek uncial script used in early manuscript codices of the

Greek New Testament. Oh, Please read me—Sinaiticus is in TeachText format. *ShareWare — \$5.*

SlabFace/Aartvark PS f.sit: By Jim O'Bryan. A Type 1 font that is perfect for ads, flyers or posters. Bet You Don't Read This! is in text format.

SnyderSpeed PS f.sit: By Pat Snyder. A Type 1 font that offers a bold (all caps) typeface duplicating the spontaneous, hand-lettered, brush-stroke used by commercial artists and sign painters to create eye-catching copy for signs, banners, posters, window display cards etc. About SnyderSpeed, text is in text format. *ShareWare — \$15.*

Spatz PS f.sit: By Lorvad. A rather elegant display Type 1 font with a kind of shimmering effect. In order to keep the size down, there are only capitals, numbers and minimal punctuation. Read Me Spatz TT-LORVAD.txt is in text format. *ShareWare — \$10.*

SpellingError PS f.sit: A Type 1 font with some characters rearranged so that they make no sense when typed. The author and ShareWare fee (if any) for this font are unknown.

Star Trek Fonts PS f.sit: By James Sharer. A package of five Star Trek Type 1 fonts; Star Trek Classic (roman and italic), Star Trek Classic Movies, Star Trek TNG Crille and Star Trek TNG Titles. The documentation Star Trek Fonts READ ME is in text format. *ShareWare — \$20.*

StarBurst PS f.sit: By David Rakowski. A Type 1 display font with caps, numbers and punctuation only. Each character is drawn as a black sans serif character with what looks like a bright light cut into its middle with many rays emanating from the light. Read me Starburst is in text format. *ShareWare - \$4.99 to Columbia University.*

Stencil Cut PS f.sit: By Gary Hagestead. A Type 1 bold display font consisting of upper case letters, and most of the commonly used symbols. It is patterned after Adobe's “STENCIL” type style. StencilCut.doc is in MacWrite format. *ShareWare — \$15.*

StFrancisCaps PS f.sit: By Jim Pearson. A hand-drawn rendition of a pre-10th century alphabet. Does not contain lower case letters, numbers and punctuation. About StFrancisCaps font is in TeachText format.

Swiftly PS f.sit: By Christopher Bird. Swiftly is a Type 1 font. It is not a conventional alphabet,

but a collection of symbols of a human figure walking, running, jumping, etc. The characters are arranged in such a way that the keyboard will type a series of movements when a row of keys is pressed from left to right, such as “12345...” or “qwerty...” Swiftly is based on the work of Edward Muybridge, a photographer who lived during the late 1800's. About Swiftly is in text format.

Sydney PS f.sit: By Paul W. Glomski. A san-serif decorative font that has a somewhat angular and squashed appearance.

### **Disk #6.13B — PS 13 POSTSCRIPT T1 FONTS**

TechPhonetic PS f.sit: By Rob Kassel. This is a self extracting archive (.sea) file; move it to your hard disk or a blank floppy and double click to expand it to a usable file. An IPA (phonetic symbol) Type 1 font based on GoudyOldstyle. It is designed to represent anything the IPA can, but not necessarily in all the ways IPA can. Read Me! is in text format.

TempoFonts PS f.sit: By David Rakowski. A Type 1 PostScript font. A full serif character set is included, along with musical symbols on the option and shift-option keyboards. The point is to be able to mix text and musical symbols in text blocks in programs that don't allow multiple fonts in text blocks. ReadMe TempoFonts is in text format.

Tengwar-Gandalf PS f.sit: By Michael S. Elliott. A strange Type 1 font from The Lord of the Rings. Tengwar Docs (MW) and Tengwar Docs (text only) are in Write and text formats respectively.

Thalia PS f.sit: By Sam Wang. Another Type 1 Art Nouveau display font. A little different from most of the other Art Nouveau fonts that you may have come across. *Free but \$5 donation cheerfully accepted.*

ThTimesBold PS f.sit: A thin, bold, version of the Times font.

TNG Monitors PS f.sit: By Michael J. Perkins. A Type 1 font inspired by the tall, thin font used on the monitors for U.S.S. Enterprise NCC-1701-D on Star Trek: the Next Generation. TNG Monitos.doc is in text format. *ShareWare — \$5.*

ToneAndDebs PS f.sit: By David Rakowski. A Type 1 font with black sans serif characters topped with a layer of snow. Read me ToneAndDebs is in text format. *ShareWare - \$3 to Columbia University.*

Trains PS f.sit: By Uncle Dave's Oakstand Enterprises. A variety of freight and passenger cars that may be pulled by either steam or diesel engines. The engines may be either left or right facing. Read Me - I'm a Paint file may be opened with many paint programs.

Tribeca PS f.sit: By David Rakowski. A Type 1 font containing a full character, number and punctuation character set. It is modeled on "Newton Inline," an Art Deco font often used for titles on paperback editions of mysteries. Read me Tribeca (Teach Text) is the documentation.

Uechi-Gothic PS f.sit: By David Rakowski. A Type 1 font with an old world look. The upper case letters are ornate. Read me Uechi-Gothic is in text format. *ShareWare - donate \$3.02 to Columbia University Music Dept.*

UltraBlack PS f.sit: By Gary Hagestead. A bold headline Type 1 font consisting of upper and lower case letters and most of the commonly used symbols. It is patterned after the "HelveticaBlack" type style. UltraBlack.docx is in MacWrite format. *ShareWare - \$15.*

Upper East Side PS f.sit: By David Rakowski. A Type 1 font in an art deco style that works well in both text and display applications. It contains a full set of characters, including diacritics, and has 477 kerning pairs. It resembles the well known Parisian display font. Read me UpperEastSide is in TeachText format.

Varah Caps PS f.sit: By David Rakowski. A Type 1 PostScript font. The font consists of all 26 upper-case alphabetic characters drawn as black characters on what looks like rectangular stained glass windows in the background. It is extremely detailed and ornate. Because it is so detailed, it is not recommended for use in sizes smaller than 48 points on a 300-dpi printer, nor smaller than 120 points on an ImageWriter. Read me VarahCaps is in text format. *ShareWare - donate \$4.99 or more to Columbia University.*

### **DISK #6.14B — PS 14 POSTSCRIPT T1 FONTS**

Upper West Side 1.1 PS f.sit: By David Rakowski. A Type 1 PostScript font. This font is the font which is used for the logo of the NEW

YORKER magazine and which is also used for headings throughout each issue. It contains a full set of upper- and lower-case characters, punctuation, and numbers. And several characters are filled with the image of the New Yorker's famous FOP. About UpperWestSide is in double-clickable application format. *ShareWare - donate \$6.41 or more to Columbia University.*

Vireo PS f.sit: By Christopher Bird. A Type 1 novelty font with a semi-calligraphic printed look. best used at 14 points and above. Read Me is in text format. *ShareWare - \$10.*

Visage PS f.sit: By Dave Nalle. An uppercase specialty or decorative Type 1 font. READ . ME and CATALOG2.ASC are in text format. *ShareWare - \$5.*

Walrod Initials 1.1 PS f.sit: By Jonathan Hodges. A Type 1 display font that includes only the initial caps. It is a fairly accurate knockoff of Geometrica. Geometrica, and its two sister fonts Champ Fleury and Melencolia, are stylized renderings of the work of 16th century artists Geofroy Tory and Albrecht Dürer. READ.ME is in Word format.

Wedgie PS f.sit: By David Rakowski. A three dimensional outline Type 1 font that looks like it is on wedges. Includes a full alphabet with identical upper and lower case letters and numbers and punctuation. Read me Wedgie (Teach Text) is in TeachText format.

Wharmby PS f.sit: By David Rakowski. A Type 1 display font that contains capitals, letters and numbers only and looks like it has a shadow, lit from behind and on the left. Read me Wharmby is in text format.

Will-Harris PS f.sit: By David Rakowski. A Type 1 font patterned after the display font 'Skyline.' It is a special-effect font wherein the characters look like views through Venetian blinds of a city skyline. A headline set in this font will appear to have been cut from a continuous city skyline. There is a full set of alphabetic, numeric and punctuation characters in this font. Read me Will-Harris is in text format.

Windsor Demi PS f.sit: Another Type 1 mystery font; author and ShareWare fee (if any) are unknown. Anybody out there care to help us

identify this one?

Woodcut Drop Caps PS f.sit: By David Rakowski. This is a self extracting archive (.sea) file; move it to your hard disk or a blank floppy and double click to expand it to a usable file. This font was created by scanning figures from a late nineteenth century children's book, tracing the result with Adobe Streamline and then using Art Import to create the font. All characters are images of quite ornate capital letters. Read me Woodcut fonts is in text format. *ShareWare - donate \$.99 to Columbia University.*

Zaleski Caps PS f.sit: By David Rakowski. A Type 1 PostScript font named for Jean Zaleski, the New York painter who is, among other things, short. It is modeled on an Art Deco typeface called Ashley Crawford. It is bold and brash and serifed. Numbers and punctuation are also in the font. Read me Zaleski Caps is in text format.

Zallman Caps PS f.sit: By David Rakowski. A Type 1 font with intricate drop caps font whose letters are solid, bold serif characters surrounded by tasteful vines, leaves and flowers. All capital letters are in the font except X and Y, whose letters print an apology for their omission. Read me Zallman Caps is in text format.

### **DISK #HSD 2.0 HARDWARE SYS UPDATE 2.0**

Control Panels f: PowerBook Display 1.0.4, Express Modem 1.0.4, Memory 7.1.1, PowerBook 7.1.2 and Sound 8.0.1.

Extensions f: 720K Floppy Disk Formatter 1.0, Express Modem Tool 1.0.2, Hardware System Update 2.0, Record Button 1.0 and Sound Manager 3.0.

Hardware System Update Read Me, Installer 3.4, Installer Script 2.0 and TeachText 7.1.

System Enablers f: System Enabler 131 1.0.2 and System Enabler 401 1.0.5.

Utilities f: Apple HD SC Setup 7.2 and Disk First Aid 7.1.1.



# Macintosh Library Order Form



## Pi Library

- \_\_\_ 0.01 - C 01 Files
- \_\_\_ 0.02 - C 02 Sampler
- \_\_\_ 0.03 - C 03 MemDir
- \_\_\_ 0.04 - C 04 Catalog
- \_\_\_ 0.05 - C 05 PS.Catalog

- \_\_\_ 6.05B - PS 5
- \_\_\_ 6.06B - PS 6
- \_\_\_ 6.07B - PS 7
- \_\_\_ 6.08B - PS 8
- \_\_\_ 6.09B - PS 9
- \_\_\_ 6.10B - PS 10
- \_\_\_ 6.11B - PS 11
- \_\_\_ 6.12B - PS 12
- \_\_\_ 6.13B - PS 13
- \_\_\_ 6.14B - PS 14

- \_\_\_ 9.10B - I/C 10
- \_\_\_ 9.11B - I/C 11
- \_\_\_ 9.12B - I/C 12
- \_\_\_ 9.13B - I/C 13
- \_\_\_ 9.14B - I/C 14
- \_\_\_ 9.15B - I/C 15
- \_\_\_ 9.16B - I/C 16
- \_\_\_ 9.17B - I/C 17
- \_\_\_ 9.18B - I/C 18
- \_\_\_ 9.19B - I/C 19
- \_\_\_ 9.20B - I/C 20
- \_\_\_ 9.22B - I/C 22
- \_\_\_ 9.23B - I/C 23
- \_\_\_ 9.24B - I/C 24
- \_\_\_ 9.25B - I/C 25
- \_\_\_ 9.26B - I/C 26
- \_\_\_ 9.27B - I/C 27

## Miscellaneous Utils

- \_\_\_ 9 disk set; \$27
- \_\_\_ 15.01B - MU 1
- \_\_\_ 15.02B - MU 2
- \_\_\_ 15.03B - MU 3
- \_\_\_ 15.04B - MU 4
- \_\_\_ 15.05B - MU 5
- \_\_\_ 15.06B - MU 6
- \_\_\_ 15.07B - MU 7
- \_\_\_ 15.08B - MU 8
- \_\_\_ 15.09B - MU 9

## Adobe Screen Fonts

- \_\_\_ 18.01A - AF 1
- \_\_\_ 18.02A - AF 2

## Fun & Games Series

- \_\_\_ 22.01 - F/G 1
- \_\_\_ 22.02 - F/G 2
- \_\_\_ 22.03 - F/G 3

## Best of Pi Series

- \_\_\_ 15 disk revised set; \$30 (25.01B thru 25.15B)

## Anti-Virus Utilities

- \_\_\_ 1.01G - AV 1
- \_\_\_ 1.02J - AV 2
- \_\_\_ 1.03J - AV 3

## TrueType Fonts

- \_\_\_ 14 disk set; \$42
- \_\_\_ 7.01 - TT 1
- \_\_\_ 7.02 - TT 2
- \_\_\_ 7.03 - TT 3
- \_\_\_ 7.04 - TT 4
- \_\_\_ 7.05 - TT 5
- \_\_\_ 7.06 - TT 6
- \_\_\_ 7.07 - TT 7
- \_\_\_ 7.08 - TT 8
- \_\_\_ 7.09 - TT 9
- \_\_\_ 7.10 - TT 10
- \_\_\_ 7.11 - TT 11
- \_\_\_ 7.12 - TT 12
- \_\_\_ 7.13 - TT 13
- \_\_\_ 7.14 - TT 14

## Miscellaneous

- \_\_\_ 10.01A - M 1
- \_\_\_ 10.02A - M 2

## Paintings (MacPnt)

- \_\_\_ 5 disk set; \$15
- \_\_\_ 11.01 - P 1
- \_\_\_ 11.02 - P 2
- \_\_\_ 11.03 - P 3
- \_\_\_ 11.04 - P 4
- \_\_\_ 11.05 - P 5

## Digitized Sounds

- \_\_\_ 9 disk set; \$27
- \_\_\_ 12.01B - S 1
- \_\_\_ 12.02B - S 2
- \_\_\_ 12.03B - S 3
- \_\_\_ 12.04B - S 4
- \_\_\_ 12.05B - S 5
- \_\_\_ 12.06B - S 6
- \_\_\_ 12.07B - S 7
- \_\_\_ 12.08B - S 8
- \_\_\_ 12.09B - S 9

## Telecommunications

- \_\_\_ 13.01B - T 1
- \_\_\_ 13.02B - T 2
- \_\_\_ 13.03B - T 3
- Programmer/Hacker
- \_\_\_ 14.01A - PH 1

## System Utilities

- \_\_\_ 25 disk set; \$75
- \_\_\_ 16.01D - SU 1
- \_\_\_ 16.02D - SU 2
- \_\_\_ 16.03D - SU 3
- \_\_\_ 16.04D - SU 4
- \_\_\_ 16.05D - SU 5
- \_\_\_ 16.06D - SU 6
- \_\_\_ 16.07D - SU 7
- \_\_\_ 16.08D - SU 8
- \_\_\_ 16.09D - SU 9
- \_\_\_ 16.10D - SU 10
- \_\_\_ 16.11D - SU 11
- \_\_\_ 16.12D - SU 12
- \_\_\_ 16.13D - SU 13
- \_\_\_ 16.14D - SU 14
- \_\_\_ 16.15D - SU 15
- \_\_\_ 16.16D - SU 16
- \_\_\_ 16.17D - SU 17
- \_\_\_ 16.18D - SU 18
- \_\_\_ 16.19D - SU 19
- \_\_\_ 16.20D - SU 20
- \_\_\_ 16.21D - SU 21
- \_\_\_ 16.22D - SU 22
- \_\_\_ 16.23D - SU 23
- \_\_\_ 16.24D - SU 24
- \_\_\_ 16.25D - SU 25

## System Software

- \_\_\_ 6.0.3 - 4 disk set; \$12
- \_\_\_ 6.0.5 - 4 disk set; \$12
- \_\_\_ 6.0.7 - 4 disk set; \$12
- \_\_\_ 6.0.8 - 4 disk set; \$12
- \_\_\_ 7.0 - 9 disk set; \$20
- \_\_\_ 7.0.1 - 6 disk set; \$20 (⊕)
- \_\_\_ Sys 7/7.0.1 Tune-Up \$3
- \_\_\_ Sys 7.1 Hdwre Sys Update \$3 (⊕)
- \_\_\_ QuickTime 1.0 - 2 disk set; \$6
- \_\_\_ QuickTime 1.6 - 1 disk; \$3
- \_\_\_ Laser Wrtr 8.0 - \$3 (⊕)
- \_\_\_ Laser Wrtr 8.0 - 2 disk set; \$6
- \_\_\_ Sys Network Installer \$3
- \_\_\_ TrueType - 2 disk set; \$6
- \_\_\_ Basic Conn Set v1.1.1 - 1 disk; \$3
- \_\_\_ Express Modem - 1 disk; \$3 (⊕)
- \_\_\_ CD ROM Setup - 1 disk; \$3
- \_\_\_ Comm 1 (CTB) - 1 disk; \$3

## Desk Accessories

- \_\_\_ 14 disk set; \$42
- \_\_\_ 2.01D - DAs 1
- \_\_\_ 2.02D - DAs 2
- \_\_\_ 2.03D - DAs 3
- \_\_\_ 2.04D - DAs 4
- \_\_\_ 2.05D - DAs 5
- \_\_\_ 2.06D - DAs 6
- \_\_\_ 2.07D - DAs 7
- \_\_\_ 2.08D - DAs 8
- \_\_\_ 2.09D - DAs 9
- \_\_\_ 2.10D - DAs 10
- \_\_\_ 2.11D - DAs 11
- \_\_\_ 2.12D - DAs 12
- \_\_\_ 2.13D - DAs 13
- \_\_\_ 2.14D - DAs 14

## Graphics

- \_\_\_ 6 disk set; \$18
- \_\_\_ 8.01 - G 1
- \_\_\_ 8.02 - G 2
- \_\_\_ 8.03 - G 3
- \_\_\_ 8.04 - G 4
- \_\_\_ 8.05 - G 5
- \_\_\_ 8.06 - G 6

## F Keys (Function Keys)

- \_\_\_ 4.01A - FKs 1
- \_\_\_ 4.02A - FKs 2

## ImageWriter Fonts

- \_\_\_ 5.01A - IW 1
- \_\_\_ 5.02A - IW 2
- \_\_\_ 5.03A - IW 3
- \_\_\_ 5.04A - IW 4

## INITs & CDevs

- \_\_\_ 27 disk set; \$81
- \_\_\_ 9.01B - I/C 1
- \_\_\_ 9.02B - I/C 2
- \_\_\_ 9.03B - I/C 3
- \_\_\_ 9.04B - I/C 4
- \_\_\_ 9.05B - I/C 5
- \_\_\_ 9.06B - I/C 6
- \_\_\_ 9.07B - I/C 7
- \_\_\_ 9.08B - I/C 8
- \_\_\_ 9.09B - I/C 9

## PostScript Fonts

- \_\_\_ 14 disk set; \$30
- \_\_\_ 6.01B - PS 1
- \_\_\_ 6.02B - PS 2
- \_\_\_ 6.03B - PS 3
- \_\_\_ 6.04B - PS 4

## Word Processing Utils

- \_\_\_ 5 disk set; \$15
- \_\_\_ 17.01B - WP 1
- \_\_\_ 17.02B - WP 2
- \_\_\_ 17.03B - WP 3
- \_\_\_ 17.04B - WP 4

## HyperCard Update

- \_\_\_ 1.2.5 - 3 disk set; \$9
- \_\_\_ 2.0 - 5 disk set; \$15
- (⊕) on 1.44 Meg diskette

HyperCard Upgrade requires HyperCard proof of purchase; any of original disk, first page of manual, receipt or previous HyperCard Upgrade disk.

Mail this form with your check to : Disk Library Washington Apple Pi 7910 Woodmont Avenue, Suite 910 Bethesda, Maryland 20814			Are you a member of Washington Apple Pi, Ltd.? Y/N ___ If Yes, Member Number _____ All payments must be in U.S. funds drawn against U.S. banking institutions. Non-members add \$3.00 per disk to listed prices.		
Number of Disks	Member Price @	Extended	Name		
Singles			Box Number, Apartment, Suite, etc.		
___ 4 or less @	\$4.00=		Street Address		
___ 5 or more @	\$3.50=		City		
___ Sets (marked above)	\$ (above)		State		Zip Code
___ + postage \$1.00/disk, maximum \$5.00.			Day Telephone		Evening Telephone
___ Disk Catalogs					
___ + \$1.50 postage	\$4.50				
TOTAL AMOUNT DUE			\$		



# Apple Disk Library

by John B. Ruffatto

**W**elcome to the Apple Disk Library section of the Journal. As you can see, there is always room for improvement. In this issue there are now Disk Order Forms for the Apple II, Apple IIGS, and the Apple III. The librarians would like to receive comments pro and con on the new set-up versus the old listing format. Direct your comments to me via the Washington Apple Pi office and I will try to respond to them.

I would also like your comments in regard to Public Domain software that you would like to see included in our Disk Libraries. Since we no longer publish the titles of the disks in the library, it is advisable to order the Disk Library Catalog Disks for the machine you are using.

Each month we will endeavor to provide information on new additions to the libraries or feature disks currently in the libraries. Some of the disks in the Apple Disk libraries contain **SHAREWARE**. If you use any ShareWare program, please send the ShareWare fee to the author. By submitting the fee, we encourage the author(s) to develop more software.

**Special Note:** All Apple II, IIGS, III and Macintosh disks containing your current disk library offerings can be exchanged for new disks at the Pi office free of charge. For exchanges made by mail, please be certain to include one dollar per disk to cover shipping and handling. Thank you.

## **GSUT-05 C UTILITIES #4**

In the */AWGS.Maker.Red/* folder—This folder contains the program, *AW.GS.PATCH* version 2.03, by Chet Page. Allows large AppleWriter files on an Apple IIGS by patching AppleWriter version 2.0. Includes the following 6 additional utilities: QSORT, ITALICS, NICEPRINT, MULTISORT, SEEK, and PAGER. These files were described in the April 1990 issue of the WAP Journal in an article titled "Giant AppleWriter Files".

In the */DeskTop.Mod/* folder—DeskTop Mod lets you change the desktop pattern that the Finder uses. Personalize your Desktop, get away from that silly pale blue to what You want. C.K. Haun, RavenWare SoftWare.

In the */FinancialGenius/* folder—Financial Genius v. 1.0c by Rick Adams is a program that will store your financial records (budgets, transactions, account totals, etc.) and allow you easy access to this information in many forms. Financial Genius has the ability to produce a variety of report forms which will allow budgeting, cost projections, credit card management, investment management, tax return reports, year-to-date analyses, and many other useful applications.

All entry of data, categories, budgets, transactions, addresses, etc., is incredibly easy to master and use without hassle on a daily basis. FGS uses the standard methods of entry on the GS

(menus, line edits, lists, text edits, radios, checkboxes, pop-up menus...) with a flexibility that few can ignore. All in all, Financial Genius is the perfect program for a person or family who is financially conscious (or attempting to become that way). ShareWare, \$35 fee.

In the */Finder.Patcher/* folder—This handy Finder-patching program will: Allow you to place folders on the desktop; Change the OA-Q default to Restart or Return to launching application; Allow you to close all windows using the AO-S command.

In the */FontView/* folder—Fontview (ShareWare)—Allows viewing of the font sets currently on your disk. By WAP member Jim Frison.

In the */LeapFrog.2/* folder—This is a beta version of Leapfrog, a combination Switcher/Multifinder type program for the GS. Patches Taskmaster to allow several program to run at once. Ctrl-@ brings up other to forefront so you can use the keyboard for input. It does work somewhat, but don't depend on it, yet. This version seems to be more stable than the previous one, but still has many problems. Use at own risk.

In the */LongPlay.v2.0/* folder—Here's LongPlay version 2.0, a program that will play sound files of any length, even if they don't fit into your available RAM. For example, if you have an 800K sound file, but only 768K RAM, you can use this program to play it. This program will only play uncompressed sound files with

a binary filetype and the playback speed located in the auxtype.

Version 2.0 adds a lot of nice features to 1.0. You can double-click on an icon in the Finder, and LongPlay will play the file. You can also select the playback speed, edit the file's attributes (mainly used for changing the auxtype of a file, but you can change the filetype and most of the file access bits too), compress and expand ACE format files directly to disk (so you don't need a lot of memory to do this either).

Version 2.0 also includes support for AE format uncompressed and compressed files (such as those used by the Sonic Blaster and the Audio Animator). This program is ShareWare, so if you like it, send the author \$5.

In the */Mac.Res/* folder—This set of files is meant to be a help to all who would like to dabble in resources (Macintosh or otherwise). The information in RESOURCE and FIGURES is taken directly from Inside Macintosh and as such, actually applies only to Macintosh resources. Also included with this documentation is a couple of sample programs that I wrote in AppleSloth—RESLIST, a Macintosh resource lister—this will list the contents of a Mac Resource file by resource type (after you move it to a ProDOS disk please); and FONT.MUNGER, a Font Translator program—this program will ask you for the name of a Mac Resource file, the offset to a font within that resource file (as given by RESLIST), pertinent IIGS Font Header info



(name of the font, point size, etc.) and then proceed to translate the specified Mac Font into a IIGS Font. It does no error checking on the header info you give it, so make sure it is accurate. You will need AppleWorks GS to print the included documentation.

In the */Postal.Coder1.3/* folder—PostalCoder: the PostNet Bar Code printer System by Ray L. Bailey requires Appleworks GS. PostalCoder is intended to give your mail the ability to use the latest United States Postal Service technology. It prints the Postal Bar Code, called PostNet on your envelopes or labels using Address Block Coding and the 11 field Zip Code called Delivery Point Bar Code. PostalCoder uses the last two digits of the street address in conjunction with the Zip+4 to produce the Delivery Point Bar Code. ShareWare, \$15.00 fee.

In the */RAMfast.Eject/* folder—A utility that will eject all partitions from the ProDOS-8 device queue in excess of two per slot with the RamFAST SCSI card. Written by John Link.

In the */Slaver/* folder—Force Slot 6 boot. Alters any disk to boot slot 6 instead of booting.

In the */Slot.Man/* folder—This is a FreeWare program (another from Bruce Mah) that facilitates switching //GS slots back and forth between cards and “internal” (e.g., printer port) settings. I use it to switch slot 6 between my PC Transporter card (when I want to use it as a 768K ramdisk) and my 5.25” Apple drive connected to the Diskport. Includes docs. Hint: use it with Transporter Chief, Mah’s other PCT/GS program!

In the */SplashEdit/* folder—Apple IIGS System 5.0 “Splash” Screen Editor by Joseph F. Schober. This is a very simple utility that allows you to change the default “splash” screen color you see while System 5.0 boots up.

In the */sReset/* folder—Short SYS program that sets the system so that a WARM reboot is all that is required to make Control Panel changes take effect. Allows you to toggle between a Slinky type ramcard and a slot’s built in function without destroying the information on the ramcard. Includes documentation.

In the */System.Switch/* folder—System Switch is a short utility that allows you to have both System 4.0 and System 5.0 on the same hard drive and to switch between the two systems quickly and easily. This is version 1.1.

In the */WriteAway.v1.00/* folder—Write Away! v1.00 by Lane Roath is a GS word processor

that even single 3.5” drive users can actually use, with enough features keep it in use all the time. Write Away! is a standard GS/OS application, utilizing the standard Apple interface. Write Away! will open any Write Away! document, AppleWorks word processor file, or text file and will also print out your documents. ShareWare, \$10 fee.

### **GSUT-15 B UTILITIES 10**

In the */AWGS.Font.Patch/* folder—Here is a patch for AWGS to allow fonts larger than 48 point. This is a short patcher program which will “auto-enable” the newly discovered easter egg in AWGS to allow you to overcome the 48 point font limit. Just launch this program and documentation will pop up on-screen. Public Domain.

In the */AWGS.NormalBeep/* folder—AppleWorks GS installs its own beep routine with the Dialog Manager’s ErrorSound routine. This is a patch to allow AWGS to use system 6 Bells. By Jay M. Krell.

In the */BootSel.v1.0/* folder—BootSel v1.0 is a simple boot application selector. BootSel lets you select the operating system (either GS/OS or ProDOS/8) you want to boot into based on the COMMAND (OpenAPPLE) key position. There is a configuration program to select which OS is the default OS. As it comes, ProDOS 8 is the default (COMMAND key not pressed). The Merlin source code and a small doc file are included.

In the */DIAS.v0.5/* folder—DAIS v0.5 by Bryan K. Ogawa is a program which catalogs and records a listing of the files on 3.5” disks. It does not look inside of folders, however, making it a special-use program. Beta form. It works on GSes, and MAY work on IIC/IIE/IIC+es w/ 3.5” drives.

In the */DevList/* folder—GS/OS Device Lister v1.0 by Jason Harper. FreeWare. Device information from Jason Harper. This was just recently uploaded to GENie.

In the */DOS3.3.Launcher/* folder—DOS 3.3 Launcher v2.0 is a \$10 ShareWare utility for 128K Enhanced IIE, IIC, or IIGS computers that allows you to store and run DOS 3.3 files or disks on ProDOS formatted 3.5” disk drives, or on hard disk drives. Written by John MacLean of New South Wales, Australia, this is the update you’ve all be waiting for.

In the */Download.PS.1b/* folder—PostScript

Downloader Program—Beta version. Came from the archives at Tybalt.caltech.edu (now called ccosun.caltech.edu). Not tested (I do not have a postscript printer, but I thought someone might like to test it).

In the */FDL.v1.1/* folder—Floppy Disk Launcher version 1.1 by Thomas J. Chappo. Boot floppies by double-clicking from the Finder. It makes no difference if the floppy disk you want to run is a 5 1/4 inch or a 3 1/2 inch disk. The operating system can be ProDOS, DOS3.3 or Pascal. You can have FDL automatically reset the Apple IIGS to the ‘slow’ operating speed prior to program launch for those games and things that were not designed to take advantage of the higher operating system speed. ShareWare, \$3.00 fee.

In the */File.Passage2.0/* folder—File Passage is meant for the intermediate to the advanced computer user. File Passage performs several functions, but basically there are two categories in which these functions belong: (1) file transitions, (2) file status. Functions that deal with file transitions are Move, Copy, Delete, and Backup. Functions that concern file status are Catalog, View, and Set File Info. All the file transition functions can use any of the filters, while Catalog can also use file filtering.

In the */II.Cue/* folder—II Cue is a menu program/program launcher. II Cue requires a mousetext-capable ][: enhanced IIE, IIC, or IIGS. It runs under ProDOS 8 and BASIC.SYSTEM. II Cue remembers the pathnames of 30 commonly-used applications, whether on a hard drive, floppies, whatever; and will even prompt you to insert disks when needed. A simple screen saver is also included. When used with the included ProDOS QUIT code replacement, control will be passed back to your menu after you’re done with your application. FreeWare.

In the */KickStart.v2.4/* folder—This is KickStart v2.4, a ShareWare disk copy utility and program launcher. It will let you copy any ProDOS volume onto another disk of equal or greater size. This version fixes a bug in the earlier version that let you copy a disk onto itself—not a good idea.

In the */MacSoundGrabber/* folder—Mac Sound Grabber version 1.0 by Steve Stephenson and Seven Hills Software Corp. This little program allows you to grab sounds from a Macintosh file, sample them, convert them, and save them in Apple IIGS format. After launching it, select Open to choose the Macintosh file. It



reads Macintosh resource files in their native state—no pre-converting! After choosing the file, Mac Sound Grabber attempts to open it and search for Macintosh 'snd' resources. If the file contains sound resources, they are listed for you to choose from. From the list of sounds you may choose to Play or Save the sound. Requires System 6.0.

In the */MSDOS.Copy.v1.2/* folder—MSDOS.COPY by Hugh McKay is an 8 bit program that can copy files from the root directory of a 3.5" MS-DOS diskette to a ProDOS disk. The MS-DOS disk must be inserted in an Apple SuperDrive that is attached to the new Apple II 3.5 Disk Controller Card. No conversion of any type (like CR,LF to CR) is done. No disk swapping is supported. Files cannot be copied from ProDOS to the MS-DOS disk. Both 1.44M and 720K diskettes are supported. Version 1.2 adds subdirectory support. This program is FREEWARE.

In the */ProBOOT8.v1.0/* folder—ProBOOT 8 v1.0 is the 8-bit version of the ProBOOT utility. Once you've installed it, holding down the Apple key while booting will bring up a menu from which you can choose to boot slots 1 through 7. If you have a IIGS, this version will work, but the IIGS-specific version is better for you.

In the */ProDesk/* folder—ProDesk Plus v. 3.01 by Helge Malmgren is a program selector and utilities package for ProDOS on the Apple IIc, IIc+, IIGS or enhanced IIe. ShareWare, 20 US\$ fee.

In the */TimeMaster2.1/* folder—TimeMaster IIGS (vers. 2.1) is an upgrade to the utility for calling atomic clock sites at the U.S. Naval Observatory or a Canadian site to check and

set you GS clock. It uses an external modem through the modem port on the GS. This version adds graphing of the correction history over a two-yr. period and the ability to predictively update the clock between calls based on that trend.

### GSSN-17 A SOUND CDEV rSOUNDS 1

In the */rSound.Browser/* Folder—rSoundBrowser by Jay M. Krell is just a simple application that lets you play sounds contained in resources (known as "rSoundSample"s). rSoundBrowser requires System 6.0 or later and the Sound control panel must be present.

In the */FndrSndr.1f/* Folder—Finder-Sounder v1.0 by Mike Fleming of Jupiter Systems. This Finder Extension allows for the easy playing of Sound Resource files. This program requires the System 6.0 Sound Control Panel to be active. FreeWare.

In the */RawToRes.v1.0/* Folder—RawToRes 1.0 is a GS shell program which runs under a shell such as Orca or GNO, and converts raw data sound files into rSoundSample files. These files are for use with the System 6 Sound CDEV, and HyperCard GS, for two major examples. This program can attach rSoundSamples directly to an existing file (useful with HyperCard) or can create a new file altogether.

In the */rSounder.v2.1/* Folder—rSounder Version 2.1 by Paul Benson. This is an application that converts raw sound data files to rSoundSamples for use with the new Sound CDEV. Genesys, Rez, ORCA, or GNO are not required. A feature has been added to remove 00's if you're converting mac sounds. The string length has been increased to be 31

characters.—You can now load and modify rSounds. You can save more than one rSound resource per file. Kwik Convert allows you to pick multiple raw sound files to be converted. You can amplify the sound. Low & High pass filters. Save as Binary... option now added. ShareWare, \$5 fee.

In the */Snd.Header3/* Folder—This is just a BASIC program that adds the HyperCard-style header to a raw sound (BIN) file and resaves it. This version fixes a bug in the last version.

In the */SndPatch.Sys6.0/* Folder—System 6 Sound CDEV patch by Greg Templeman patches the reported error of the Sound CDEV under System 6.0 not playing the Shutdown sound at all times. FreeWare.

In the */rSounds/* Folder—Bloody.Peasant—A Napoleon-wanna besaying, "Bloody peasant!" Just a sound for the Sound CP or HyperCard IIGS. Converted from the Mac.

Burp—This "Burp" sound was recorded using the Sonic Blaster.

Eat.this.r—"Eat this!" rSound for the Sound CDev or HyperCard IIGS. Converted from the Mac.

FanFair—This is the "FanFair" from Star Trek: Next Generation. Makes a nice startup or shutdown (or fatal error?) sound.

G.D.Clock.r

Hal.feel.better—Here is a Sound CP or HyperCard IIGS sound. Converted from the Mac. HAL from 2001: "I feel much better now."

Hold.It.r

Jet.r

Mail this form with your check to : Disketeria Washington Apple Pi 7910 Woodmont Avenue, Suite 910 Bethesda, Maryland 20814			Are you a member of Washington Apple Pi, Ltd? Y/N ____ If Yes, Member Number _____ All payments must be in U.S. funds drawn against U.S. banking institutions. Non-members add \$3.00 per disk to listed prices for 3.5" and \$1.50 per disk for 5.25" disks.		
<b>Number of Disks</b>	<b>Member Price @</b>	<b>Extended</b>	<b>Name</b>		
3.5" Singles			<b>Box Number, Apartment, Suite, etc.</b>		
___ 4 or less @	\$4.00	\$ _____			
___ 5 or more @	\$3.50	\$ _____	<b>Street Address</b>		
___ Sets (as marked)	\$(above)	\$ _____			
5.25" Singles			<b>City</b> <span style="float:right"><b>State</b></span> <span style="float:right"><b>Zip Code</b></span>		
___ 4 or less @	\$2.00	\$ _____			
___ 5 or more @	\$1.75	\$ _____	<b>Day Telephone</b> <span style="float:right"><b>Evening Telephone</b></span>		
___ Sets (as marked)	\$(above)	\$ _____			
+ postage \$1.00/disk, max. \$5.00.		\$ _____			
<b>TOTAL AMOUNT DUE</b>		\$ _____			

Please write disk numbers on a separate sheet of paper and include them with your order.



# Apple II Disk Library Order Form



## 5-1/4" DISKS

### System Software

- \_\_\_ APSD-01 #1
- \_\_\_ APSD-02 #2

### Apple Disk Catalog (DOS 3.3)

- \_\_\_ 3 disk set #3

### Apple Disk Catalog (ProDOS)

- \_\_\_ 4 disk set #4

### AppleWorks

- \_\_\_ APWK-01
- \_\_\_ APWK-02

### Communications

- \_\_\_ 10 disk set = \$15.00
- \_\_\_ COMM-01
- \_\_\_ COMM-02
- \_\_\_ COMM-03
- \_\_\_ COMM-04
- \_\_\_ COMM-05
- \_\_\_ COMM-06
- \_\_\_ COMM-07
- \_\_\_ COMM-08
- \_\_\_ COMM-09
- \_\_\_ COMM-10A

### CP/M

- \_\_\_ 11 disk set = \$16.50
- \_\_\_ CP/M-01
- \_\_\_ CP/M-02
- \_\_\_ CP/M-03
- \_\_\_ CP/M-04
- \_\_\_ CP/M-05
- \_\_\_ CP/M-06
- \_\_\_ CP/M-07
- \_\_\_ CP/M-08
- \_\_\_ CP/M-09
- \_\_\_ CP/M-10
- \_\_\_ CP/M-11

### Eamon Adventures

- \_\_\_ 24 disk set = \$36.00
- \_\_\_ EAMN-01
- \_\_\_ EAMN-02 #5
- \_\_\_ EAMN-03 Master
- \_\_\_ EAMN-04 #5
- \_\_\_ EAMN-05 #5
- \_\_\_ EAMN-06 #5
- \_\_\_ EAMN-07 #5
- \_\_\_ EAMN-08 #5
- \_\_\_ EAMN-09 #5
- \_\_\_ EAMN-10 #5
- \_\_\_ EAMN-11 #5
- \_\_\_ EAMN-12 #5
- \_\_\_ EAMN-13 #5
- \_\_\_ EAMN-14 #5
- \_\_\_ EAMN-15 #5
- \_\_\_ EAMN-16 #5
- \_\_\_ EAMN-17 #5

- \_\_\_ EAMN-18 #5
- \_\_\_ EAMN-19 #5
- \_\_\_ EAMN-20 #5
- \_\_\_ EAMN-21 #5
- \_\_\_ EAMN-22 #5
- \_\_\_ EAMN-23 #5
- \_\_\_ EAMN-24 #5

### Education

- \_\_\_ 20 disk set = \$30.00
- \_\_\_ EDUC-01
- \_\_\_ EDUC-02
- \_\_\_ EDUC-03
- \_\_\_ EDUC-04
- \_\_\_ EDUC-05
- \_\_\_ EDUC-06
- \_\_\_ EDUC-07
- \_\_\_ EDUC-08
- \_\_\_ EDUC-09
- \_\_\_ EDUC-10
- \_\_\_ EDUC-11
- \_\_\_ EDUC-12
- \_\_\_ EDUC-13
- \_\_\_ EDUC-14
- \_\_\_ EDUC-15
- \_\_\_ EDUC-16
- \_\_\_ EDUC-17
- \_\_\_ EDUC-18
- \_\_\_ EDUC-19
- \_\_\_ EDUC-20

### Forth

- \_\_\_ FRTH-01
- \_\_\_ FRTH-02
- \_\_\_ FRTH-03

### Games

- \_\_\_ 13 disk set = \$ 19.50
- \_\_\_ GAME-01
- \_\_\_ GAME-02
- \_\_\_ GAME-03
- \_\_\_ GAME-04
- \_\_\_ GAME-05
- \_\_\_ GAME-06
- \_\_\_ GAME-07
- \_\_\_ GAME-08
- \_\_\_ GAME-09
- \_\_\_ GAME-10
- \_\_\_ GAME-11
- \_\_\_ GAME-12
- \_\_\_ GAME-13

### Logo

- \_\_\_ LOGO-01
- \_\_\_ LOGO-02

### Membership Directory

- \_\_\_ MEMD-01

### Miscellaneous

- \_\_\_ 25 disk set = \$37.50
- \_\_\_ MISC-01
- \_\_\_ MISC-02

- \_\_\_ MISC-03
- \_\_\_ MISC-04
- \_\_\_ MISC-05
- \_\_\_ MISC-06
- \_\_\_ MISC-07
- \_\_\_ MISC-08
- \_\_\_ MISC-09
- \_\_\_ MISC-10
- \_\_\_ MISC-11
- \_\_\_ MISC-12
- \_\_\_ MISC-13
- \_\_\_ MISC-14
- \_\_\_ MISC-15
- \_\_\_ MISC-16
- \_\_\_ MISC-17
- \_\_\_ MISC-18
- \_\_\_ MISC-19
- \_\_\_ MISC-20
- \_\_\_ MISC-21
- \_\_\_ MISC-22
- \_\_\_ MISC-23
- \_\_\_ MISC-24
- \_\_\_ MISC-25

### New Print Shop

- \_\_\_ 31 disk set = \$46.50
- \_\_\_ NWPS-01 Graphics
- \_\_\_ NWPS-02 Graphics
- \_\_\_ NWPS-03 Graphics
- \_\_\_ NWPS-04 Graphics
- \_\_\_ NWPS-05 Graphics
- \_\_\_ NWPS-06 Graphics
- \_\_\_ NWPS-07 Graphics
- \_\_\_ NWPS-08 Graphics
- \_\_\_ NWPS-09 Graphics
- \_\_\_ NWPS-10 Graphics
- \_\_\_ NWPS-11 Graphics
- \_\_\_ NWPS-12 Graphics
- \_\_\_ NWPS-13 Graphics
- \_\_\_ NWPS-14 Graphics
- \_\_\_ NWPS-15 Graphics
- \_\_\_ NWPS-16 Graphics
- \_\_\_ NWPS-17 Graphics
- \_\_\_ NWPS-18 Graphics
- \_\_\_ NWPS-19 Graphics
- \_\_\_ NWPS-20 Graphics
- \_\_\_ NWPS-21 Graphics
- \_\_\_ NWPS-22 Graphics
- \_\_\_ NWPS-23 Graphics
- \_\_\_ NWPS-24 Graphics
- \_\_\_ NWPS-25 Graphics
- \_\_\_ NWPS-26 Graphics
- \_\_\_ NWPS-27 Graphics
- \_\_\_ NWPS-28 Graphics
- \_\_\_ NWPS-29 Borders
- \_\_\_ NWPS-30 Borders
- \_\_\_ NWPS-31 Fonts

### Pascal

- \_\_\_ 8 disk set \$12.00
- \_\_\_ PASC-01
- \_\_\_ PASC-02

- \_\_\_ PASC-03
- \_\_\_ PASC-04
- \_\_\_ PASC-05
- \_\_\_ PASC-06
- \_\_\_ PASC-07
- \_\_\_ PASC-08

### Pilot

- \_\_\_ PILT-01

### Utilities

- \_\_\_ 24 disk set = \$36.00
- \_\_\_ UTIL-01
- \_\_\_ UTIL-02
- \_\_\_ UTIL-03
- \_\_\_ UTIL-04
- \_\_\_ UTIL-05
- \_\_\_ UTIL-06
- \_\_\_ UTIL-07
- \_\_\_ UTIL-08
- \_\_\_ UTIL-09
- \_\_\_ UTIL-10
- \_\_\_ UTIL-11
- \_\_\_ UTIL-12
- \_\_\_ UTIL-13
- \_\_\_ UTIL-14
- \_\_\_ UTIL-15
- \_\_\_ UTIL-16
- \_\_\_ UTIL-17
- \_\_\_ UTIL-18
- \_\_\_ UTIL-19
- \_\_\_ UTIL-20
- \_\_\_ UTIL-21
- \_\_\_ UTIL-22
- \_\_\_ UTIL-23
- \_\_\_ UTIL-24

- (#1) System Disk V. 4.0.1 - \$1.50
- (#2) DOS 3.3 System Master - \$1.50
- (#3) Apple Disk Cat.-4 disk set -\$4.00
- (#4) Requires EAMN-03
- (#5) - System Disk - V. 4.0.1 - \$3.00

## 3-1/2" DISKS

### System Disk

- \_\_\_ 2APS-01 #6

### Apple Disk Catalog

- \_\_\_ 2ADC-01A #7
- \_\_\_ 2ADC-02A #7

### AppleWorks

- \_\_\_ 2AWK-01

### Communications

- \_\_\_ 2COM-01
- \_\_\_ 2COM-02

- \_\_\_ 2COM-03

### Education

- \_\_\_ 2EDU-01

### Membership Directory

- \_\_\_ 2MRD-01

### Utilities

- \_\_\_ 2UTL-01
- \_\_\_ 2UTL-02A

- (#6) - System Disk - V. 4.0.2 - \$3.00
- (#7) - Apple Disk Catalog - 2 Disk set - \$4.00

Note: Some disks may contain ShareWare. Please send a remittance to the author of the program if you use it.



# Apple IIGS Disk Library Order Form



## 3-1/2 DISKS

### System Software

- GSAS-01 (\*1)
- GSAS-02 (\*2)
- GSAS-03 (\*3)
- GSAS-04 (\*4)

### Communications

- 6 disk set = \$18
- GSCM-01D
- GSCM-02C
- GSCM-03B
- GSCM-04B
- GSCM-05A
- GSCM-06

### Demos

- 33 disk set = \$33  
or \$1 per disk
- GSDM-01
- GSDM-02
- GSDM-03
- GSDM-04
- GSDM-05
- GSDM-06
- GSDM-07
- GSDM-08
- GSDM-09
- GSDM-10
- GSDM-11
- GSDM-12
- GSDM-13A
- GSDM-14
- GSDM-15
- GSDM-16
- GSDM-17A
- GSDM-18
- GSDM-19
- GSDM-20A
- GSDM-21
- GSDM-22
- GSDM-23
- GSDM-24
- GSDM-25
- GSDM-26
- GSDM-27
- GSDM-28
- GSDM-29
- GSDM-30
- GSDM-31
- GSDM-32
- GSDM-33

### DAs, CDevs, FExts, Dvrs, and INITs

- 15 disk set = \$45
- GSDA-01A
- GSDA-02B
- GSDA-03B
- GSDA-04B
- GSDA-05A
- GSDA-06A
- GSDA-07A

- GSDA-08A
- GSDA-09A
- GSDA-10A
- GSDA-11A
- GSDA-12A
- GSDA-13A
- GSDA-14A
- GSDA-15A

### Developer

- 18 disk set = \$54
- GSDV-01
- GSDV-02
- GSDV-03
- GSDV-04
- GSDV-05
- GSDV-06
- GSDV-07
- GSDV-08
- GSDV-09
- GSDV-10
- GSDV-11
- GSDV-12
- GSDV-13
- GSDV-14
- GSDV-15
- GSDV-16
- GSDV-17
- GSDV-18

### Disk Catalog

- 3 disk set = \$6
- GSDC-01G
- GSDC-02G
- GSDC-03G

### Education

- 10 disk set = \$30
- 7 disk set = \$21 (\*5)
- GSED-01A (\*5)
- GSED-02A (\*5)
- GSED-03A (\*5)
- GSED-04A (\*5)
- GSED-05A (\*5)
- GSED-06A (\*5)
- GSED-07A (\*5)
- GSED-08A
- GSED-09
- GSED-10

### Fonts

- 27 disk set = \$81
- GSFT-01
- GSFT-02
- GSFT-03
- GSFT-04
- GSFT-05
- GSFT-06
- GSFT-07
- GSFT-08
- GSFT-09
- GSFT-10
- GSFT-11
- GSFT-12

- GSFT-13
- GSFT-14
- GSFT-15
- GSFT-16
- GSFT-17
- GSFT-18
- GSFT-19
- GSFT-20
- GSFT-21
- GSFT-22
- GSFT-23
- GSFT-24
- GSFT-25
- GSFT-26
- GSFT-27

### Games

- 61 disk set = \$183
- GSGM-01B
- GSGM-02B
- GSGM-03
- GSGM-04
- GSGM-05
- GSGM-06A
- GSGM-07A
- GSGM-08
- GSGM-09
- GSGM-10
- GSGM-11
- GSGM-12A
- GSGM-13
- GSGM-14
- GSGM-15
- GSGM-16
- GSGM-17A
- GSGM-18A
- GSGM-19A
- GSGM-20
- GSGM-21
- GSGM-22
- GSGM-23A
- GSGM-24B
- GSGM-25A
- GSGM-26
- GSGM-27
- GSGM-28
- GSGM-29
- GSGM-30
- GSGM-31
- GSGM-32
- GSGM-33
- GSGM-34
- GSGM-35A
- GSGM-36
- GSGM-37
- GSGM-38
- GSGM-39
- GSGM-40
- GSGM-41
- GSGM-42
- GSGM-43
- GSGM-44
- GSGM-45

- GSGM-46
- GSGM-47
- GSGM-48
- GSGM-49
- GSGM-50
- GSGM-51
- GSGM-52
- GSGM-53
- GSGM-54
- GSGM-55
- GSGM-56
- GSGM-57
- GSGM-58
- GSGM-59
- GSGM-60
- GSGM-61

### Graphics

- 44 disk set = \$132
- GSGX-01
- GSGX-02
- GSGX-03
- GSGX-04
- GSGX-05
- GSGX-06
- GSGX-07A
- GSGX-08A
- GSGX-09B
- GSGX-10A
- GSGX-11
- GSGX-12
- GSGX-13A
- GSGX-14
- GSGX-15
- GSGX-16
- GSGX-17
- GSGX-18
- GSGX-19
- GSGX-20
- GSGX-21A
- GSGX-22
- GSGX-23
- GSGX-24
- GSGX-25
- GSGX-26
- GSGX-27
- GSGX-28
- GSGX-29
- GSGX-30
- GSGX-31A
- GSGX-32A
- GSGX-33
- GSGX-34
- GSGX-35
- GSGX-36
- GSGX-37
- GSGX-38
- GSGX-39
- GSGX-40
- GSGX-41
- GSGX-42
- GSGX-43
- GSGX-44



# Apple IIGS Disk Library Order Form



## HyperCard

- \_\_\_ 6 disk set = \$18
- \_\_\_ GSHC-01
- \_\_\_ GSHC-02
- \_\_\_ GSHC-03
- \_\_\_ GSHC-04
- \_\_\_ GSHC-05
- \_\_\_ GSHC-06

## HyperStudio

- \_\_\_ Demo Ver. (1-10) = \$10
- \_\_\_ GSHS-01 Demo Ver.
- \_\_\_ GSHS-02 Demo Ver.
- \_\_\_ GSHS-03 Demo Ver.
- \_\_\_ GSHS-04 Demo Ver.
- \_\_\_ GSHS-05 Demo Ver.
- \_\_\_ GSHS-06 Demo Ver.
- \_\_\_ GSHS-07 Demo Ver.
- \_\_\_ GSHS-08 Demo Ver.
- \_\_\_ GSHS-09 Demo Ver.
- \_\_\_ GSHS-10 Demo Ver.

## Others (11-24) = \$42

- \_\_\_ GSHS-11
- \_\_\_ GSHS-12
- \_\_\_ GSHS-13
- \_\_\_ GSHS-14
- \_\_\_ GSHS-15
- \_\_\_ GSHS-16
- \_\_\_ GSHS-17
- \_\_\_ GSHS-18
- \_\_\_ GSHS-19
- \_\_\_ GSHS-20
- \_\_\_ GSHS-21
- \_\_\_ GSHS-22
- \_\_\_ GSHS-23
- \_\_\_ GSHS-24

## Icons

### 14 disk set = \$42

- \_\_\_ GSIC-01A
- \_\_\_ GSIC-02A
- \_\_\_ GSIC-03A
- \_\_\_ GSIC-04A
- \_\_\_ GSIC-05A
- \_\_\_ GSIC-06A
- \_\_\_ GSIC-07A
- \_\_\_ GSIC-08
- \_\_\_ GSIC-09
- \_\_\_ GSIC-10
- \_\_\_ GSIC-11
- \_\_\_ GSIC-12
- \_\_\_ GSIC-13
- \_\_\_ GSIC-14

## Membership Directory

- \_\_\_ GSMD-01

## Miscellaneous

- \_\_\_ GSMS-01A

## Music

- \_\_\_ 75 disk set = \$225
- \_\_\_ GSMU-01B

- \_\_\_ GSMU-02
- \_\_\_ GSMU-03
- \_\_\_ GSMU-04
- \_\_\_ GSMU-05
- \_\_\_ GSMU-06
- \_\_\_ GSMU-07
- \_\_\_ GSMU-08
- \_\_\_ GSMU-09
- \_\_\_ GSMU-10
- \_\_\_ GSMU-11
- \_\_\_ GSMU-12
- \_\_\_ GSMU-13B
- \_\_\_ GSMU-14
- \_\_\_ GSMU-15
- \_\_\_ GSMU-16A
- \_\_\_ GSMU-17
- \_\_\_ GSMU-18A
- \_\_\_ GSMU-19A
- \_\_\_ GSMU-20A
- \_\_\_ GSMU-21A
- \_\_\_ GSMU-22
- \_\_\_ GSMU-23A
- \_\_\_ GSMU-24A
- \_\_\_ GSMU-25A
- \_\_\_ GSMU-26A
- \_\_\_ GSMU-27A
- \_\_\_ GSMU-28A
- \_\_\_ GSMU-29A
- \_\_\_ GSMU-30A
- \_\_\_ GSMU-31A
- \_\_\_ GSMU-32A
- \_\_\_ GSMU-33A
- \_\_\_ GSMU-34A
- \_\_\_ GSMU-35A
- \_\_\_ GSMU-36A
- \_\_\_ GSMU-37A
- \_\_\_ GSMU-38A
- \_\_\_ GSMU-39A
- \_\_\_ GSMU-40A
- \_\_\_ GSMU-41A
- \_\_\_ GSMU-42
- \_\_\_ GSMU-43A
- \_\_\_ GSMU-44A
- \_\_\_ GSMU-45
- \_\_\_ GSMU-46
- \_\_\_ GSMU-47
- \_\_\_ GSMU-48
- \_\_\_ GSMU-49
- \_\_\_ GSMU-50
- \_\_\_ GSMU-51
- \_\_\_ GSMU-52A
- \_\_\_ GSMU-53A
- \_\_\_ GSMU-54A
- \_\_\_ GSMU-55A
- \_\_\_ GSMU-56A
- \_\_\_ GSMU-57A
- \_\_\_ GSMU-58A
- \_\_\_ GSMU-59
- \_\_\_ GSMU-60
- \_\_\_ GSMU-61
- \_\_\_ GSMU-62
- \_\_\_ GSMU-63A
- \_\_\_ GSMU-64

- \_\_\_ GSMU-65
- \_\_\_ GSMU-66
- \_\_\_ GSMU-67
- \_\_\_ GSMU-68
- \_\_\_ GSMU-69
- \_\_\_ GSMU-70
- \_\_\_ GSMU-71
- \_\_\_ GSMU-72
- \_\_\_ GSMU-73
- \_\_\_ GSMU-74
- \_\_\_ GSMU-75

## Sounds

### 20 disk set = \$60

- \_\_\_ GSSN-01A
- \_\_\_ GSSN-02A
- \_\_\_ GSSN-03
- \_\_\_ GSSN-04
- \_\_\_ GSSN-05
- \_\_\_ GSSN-06
- \_\_\_ GSSN-07
- \_\_\_ GSSN-08
- \_\_\_ GSSN-09
- \_\_\_ GSSN-10
- \_\_\_ GSSN-11
- \_\_\_ GSSN-12
- \_\_\_ GSSN-13
- \_\_\_ GSSN-14
- \_\_\_ GSSN-15
- \_\_\_ GSSN-16

## SOUNDS - CDEV rSOUNDS

### 20 Disk Set = \$60

- \_\_\_ GSSN-17A
- \_\_\_ GSSN-18
- \_\_\_ GSSN-19
- \_\_\_ GSSN-20
- \_\_\_ GSSN-21
- \_\_\_ GSSN-22
- \_\_\_ GSSN-23
- \_\_\_ GSSN-24
- \_\_\_ GSSN-25
- \_\_\_ GSSN-26
- \_\_\_ GSSN-27
- \_\_\_ GSSN-28
- \_\_\_ GSSN-29
- \_\_\_ GSSN-30
- \_\_\_ GSSN-31
- \_\_\_ GSSN-32
- \_\_\_ GSSN-33
- \_\_\_ GSSN-34
- \_\_\_ GSSN-35
- \_\_\_ GSSN-40

## TrueType Fonts

### 30 disk set = \$150

- \_\_\_ GSTT-01
- \_\_\_ GSTT-02
- \_\_\_ GSTT-03
- \_\_\_ GSTT-04
- \_\_\_ GSTT-05
- \_\_\_ GSTT-06
- \_\_\_ GSTT-07
- \_\_\_ GSTT-08

- \_\_\_ GSTT-09
- \_\_\_ GSTT-10
- \_\_\_ GSTT-11
- \_\_\_ GSTT-12
- \_\_\_ GSTT-13
- \_\_\_ GSTT-14
- \_\_\_ GSTT-15
- \_\_\_ GSTT-16
- \_\_\_ GSTT-17
- \_\_\_ GSTT-18
- \_\_\_ GSTT-19
- \_\_\_ GSTT-20
- \_\_\_ GSTT-21
- \_\_\_ GSTT-22
- \_\_\_ GSTT-23
- \_\_\_ GSTT-24
- \_\_\_ GSTT-25
- \_\_\_ GSTT-26
- \_\_\_ GSTT-27
- \_\_\_ GSTT-28
- \_\_\_ GSTT-29
- \_\_\_ GSTT-30

## Utilities

### 15 disk set = \$45

- \_\_\_ GSUT-01C
- \_\_\_ GSUT-02
- \_\_\_ GSUT-03B
- \_\_\_ GSUT-04A
- \_\_\_ GSUT-05C
- \_\_\_ GSUT-06A
- \_\_\_ GSUT-07B
- \_\_\_ GSUT-08D
- \_\_\_ GSUT-09A
- \_\_\_ GSUT-10A
- \_\_\_ GSUT-11B
- \_\_\_ GSUT-12
- \_\_\_ GSUT-13A
- \_\_\_ GSUT-14
- \_\_\_ GSUT-15B

(\*1) System 5.0.4 - 2 Disk Set = \$6

(\*2) Hyper Mover v1.1 - 2 Disk Set = \$6

(\*3) GS Bug & Debug Tools v1.6 = \$3

(\*4) System 6.0.1 - 6 Disk Set = \$18

(\*5) Astronomer - 7 disk set (GSED-01 to GSED-07) \$21

(\*6) Disk Catalog - 3 Disk Set - \$6

**Note:** Some disks may contain ShareWare. Please send the requested remittance to the author if you use the program. Most of the programs on these library disks may require a IIGS with a minimum of 1.25 megs of memory.



# Apple III Disk Library Order Form



## Accounting

- \_\_\_ 3 disk set = \$4.50
- \_\_\_ 3ACT-01A
- \_\_\_ 3ACT-02
- \_\_\_ 3ACT-03

## 3 Easy Pieces Templates

- \_\_\_ 11 disk set = \$16.50
- \_\_\_ 3AWZ-01
- \_\_\_ 3AWZ-02
- \_\_\_ 3AWZ-03
- \_\_\_ 3AWZ-04
- \_\_\_ 3AWZ-05
- \_\_\_ 3AWZ-06
- \_\_\_ 3AWZ-07
- \_\_\_ 3AWZ-08
- \_\_\_ 3AWZ-09
- \_\_\_ 3AWZ-10
- \_\_\_ 3AWZ-11

## Business Basic

- \_\_\_ 9 disk set = \$13.50
- \_\_\_ 3BSB-01
- \_\_\_ 3BSB-02
- \_\_\_ 3BSB-03
- \_\_\_ 3BSB-04
- \_\_\_ 3BSB-05
- \_\_\_ 3BSB-06
- \_\_\_ 3BSB-07
- \_\_\_ 3BSB-08
- \_\_\_ 3BSB-09A

## Disk Catalog

- \_\_\_ 5 disk set = \$5 or \$1 per disk
- \_\_\_ 3CAT-01 - Text Version - Disk 1\*\*\*
- \_\_\_ 3CAT-02 - Text Version - Disk 2\*\*\*
- \_\_\_ 3CAT-03 - Text Version - Disk 3\*\*\*
- \_\_\_ 3CAT-04 - 3EZP Version - Disk 1
- \_\_\_ 3CAT-05 - 3EZP Version - Disk 2

## Games

- \_\_\_ 5 disk set = \$7.50
- \_\_\_ 3GAM-01
- \_\_\_ 3GAM-02
- \_\_\_ 3GAM-03
- \_\_\_ 3GAM-04
- \_\_\_ 3GAM-05

## Graphics

- \_\_\_ 43 disk set = \$64.50
- \_\_\_ 3GRX-01
- \_\_\_ 3GRX-02
- \_\_\_ 3GRX-03

\_\_\_ 3GRX-04

\_\_\_ 3GRX-05

\_\_\_ 3GRX-06

\_\_\_ 3GRX-07

\_\_\_ 3GRX-08

\_\_\_ 3GRX-09

\_\_\_ 3GRX-10

\_\_\_ 3GRX-11

\_\_\_ 3GRX-12

\_\_\_ 3GRX-13

\_\_\_ 3GRX-14

\_\_\_ 3GRX-15

\_\_\_ 3GRX-16

\_\_\_ 3GRX-17

\_\_\_ 3GRX-18

\_\_\_ 3GRX-19

\_\_\_ 3GRX-20

\_\_\_ 3GRX-21

\_\_\_ 3GRX-22

\_\_\_ 3GRX-23

\_\_\_ 3GRX-24

\_\_\_ 3GRX-25

\_\_\_ 3GRX-26

\_\_\_ 3GRX-27

\_\_\_ 3GRX-28

\_\_\_ 3GRX-29A

\_\_\_ 3GRX-30

\_\_\_ 3GRX-31

\_\_\_ 3GRX-32

\_\_\_ 3GRX-33

\_\_\_ 3GRX-34

\_\_\_ 3GRX-35

\_\_\_ 3GRX-36

\_\_\_ 3GRX-37

\_\_\_ 3GRX-38

\_\_\_ 3GRX-39

\_\_\_ 3GRX-40

\_\_\_ 3GRX-41

\_\_\_ 3GRX-42

\_\_\_ 3GRX-43

## Information

- \_\_\_ 36 disk set = \$54
- \_\_\_ 3INF-01C WAP PD Catalog
- \_\_\_ 3INF-02D
- \_\_\_ 3INF-03
- \_\_\_ 3INF-04
- \_\_\_ 3INF-05
- \_\_\_ 3INF-06
- \_\_\_ 3INF-07
- \_\_\_ 3INF-08
- \_\_\_ 3INF-09
- \_\_\_ 3INF-10
- \_\_\_ 3INF-11
- \_\_\_ 3INF-12
- \_\_\_ 3INF-13

\_\_\_ 3INF-14

\_\_\_ 3INF-15

\_\_\_ 3INF-16

\_\_\_ 3INF-17

\_\_\_ 3INF-18

\_\_\_ 3INF-19

\_\_\_ 3INF-20

\_\_\_ 3INF-21

\_\_\_ 3INF-22

\_\_\_ 3INF-24

\_\_\_ 3INF-25

\_\_\_ 3INF-26

\_\_\_ 3INF-27

\_\_\_ 3INF-28

\_\_\_ 3INF-29

\_\_\_ 3INF-30

\_\_\_ 3INF-31

\_\_\_ 3INF-32

\_\_\_ 3INF-33

\_\_\_ 3INF-34

\_\_\_ 3INF-35

\_\_\_ 3INF-36

\_\_\_ 3INF-38

## Membership Directory

- \_\_\_ 3MRD-01
- \_\_\_ 3MRD-02

## Miscellaneous

- \_\_\_ 20 disk set = \$30
- \_\_\_ 3MSC-01
- \_\_\_ 3MSC-02
- \_\_\_ 3MSC-03
- \_\_\_ 3MSC-04
- \_\_\_ 3MSC-05
- \_\_\_ 3MSC-06
- \_\_\_ 3MSC-07
- \_\_\_ 3MSC-08
- \_\_\_ 3MSC-09
- \_\_\_ 3MSC-10
- \_\_\_ 3MSC-11
- \_\_\_ 3MSC-12
- \_\_\_ 3MSC-13
- \_\_\_ 3MSC-14
- \_\_\_ 3MSC-15
- \_\_\_ 3MSC-16
- \_\_\_ 3MSC-17
- \_\_\_ 3MSC-18
- \_\_\_ 3MSC-19A
- \_\_\_ 3MSC-20

## Pascal

- \_\_\_ 20 disk set = \$30
- \_\_\_ 3PCL-01
- \_\_\_ 3PCL-02
- \_\_\_ 3PCL-03
- \_\_\_ 3PCL-04
- \_\_\_ 3PCL-05

\_\_\_ 3PCL-06

\_\_\_ 3PCL-07

\_\_\_ 3PCL-08

\_\_\_ 3PCL-09

\_\_\_ 3PCL-10

\_\_\_ 3PCL-11

\_\_\_ 3PCL-12

\_\_\_ 3PCL-13

\_\_\_ 3PCL-14

\_\_\_ 3PCL-15

\_\_\_ 3PCL-16

\_\_\_ 3PCL-17

\_\_\_ 3PCL-18

\_\_\_ 3PCL-19

\_\_\_ 3PCL-20

## Repairs

- \_\_\_ 11 disk set = \$16.50
- \_\_\_ 3REP-01
- \_\_\_ 3REP-02
- \_\_\_ 3REP-03
- \_\_\_ 3REP-04
- \_\_\_ 3REP-05
- \_\_\_ 3REP-06
- \_\_\_ 3REP-07
- \_\_\_ 3REP-08
- \_\_\_ 3REP-09
- \_\_\_ 3REP-10
- \_\_\_ 3REP-11

## TeleCommunications

- \_\_\_ 11 disk set = \$16.50
- \_\_\_ 3TEL-01
- \_\_\_ 3TEL-02
- \_\_\_ 3TEL-03
- \_\_\_ 3TEL-04
- \_\_\_ 3TEL-05
- \_\_\_ 3TEL-06
- \_\_\_ 3TEL-07
- \_\_\_ 3TEL-08
- \_\_\_ 3TEL-09
- \_\_\_ 3TEL-10
- \_\_\_ 3TEL-11

## Utilities

- \_\_\_ 48 disk set = \$72
- \_\_\_ 3UTL-01
- \_\_\_ 3UTL-02
- \_\_\_ 3UTL-03
- \_\_\_ 3UTL-04
- \_\_\_ 3UTL-05
- \_\_\_ 3UTL-06
- \_\_\_ 3UTL-07
- \_\_\_ 3UTL-08
- \_\_\_ 3UTL-09
- \_\_\_ 3UTL-10
- \_\_\_ 3UTL-11
- \_\_\_ 3UTL-12

\_\_\_ 3UTL-13

\_\_\_ 3UTL-14

\_\_\_ 3UTL-15

\_\_\_ 3UTL-16

\_\_\_ 3UTL-17

\_\_\_ 3UTL-18

\_\_\_ 3UTL-19

\_\_\_ 3UTL-20

\_\_\_ 3UTL-21

\_\_\_ 3UTL-22

\_\_\_ 3UTL-23

\_\_\_ 3UTL-24

\_\_\_ 3UTL-25

\_\_\_ 3UTL-26

\_\_\_ 3UTL-27

\_\_\_ 3UTL-28

\_\_\_ 3UTL-29

\_\_\_ 3UTL-30

\_\_\_ 3UTL-31

\_\_\_ 3UTL-32

\_\_\_ 3UTL-33

\_\_\_ 3UTL-34

\_\_\_ 3UTL-35

\_\_\_ 3UTL-36

\_\_\_ 3UTL-37

\_\_\_ 3UTL-38

\_\_\_ 3UTL-39

\_\_\_ 3UTL-40

\_\_\_ 3UTL-41

\_\_\_ 3UTL-42

\_\_\_ 3UTL-43

\_\_\_ 3UTL-44

\_\_\_ 3UTL-45

\_\_\_ 3UTL-46

\_\_\_ 3UTL-47

\_\_\_ 3UTL-48

## Word Processing

- \_\_\_ 7 disk set = \$10.50
- \_\_\_ 3WDP-01B
- \_\_\_ 3WDP-02
- \_\_\_ 3WDP-03
- \_\_\_ 3WDP-04
- \_\_\_ 3WDP-05
- \_\_\_ 3WDP-06
- \_\_\_ 3WDP-07

*Note:* Some disks may contain ShareWare. Please remit to the author of the program the requested amount if you use that program.

\*\*\* Available at a later date



# Classified Advertisements

Classified advertisements can be placed by mailing copy to the business office of Washington Apple Pi, Ltd., 7910 Woodmont Avenue, Suite 910, Bethesda, MD 20814. 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 pages 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.

## Services Offered

Law Offices of  
Richard S. Sternberg  
A General Practice of Law since 1984  
General Civil & Criminal Litigation  
Employment, Labor & Civil Rights  
Personal Injury & Auto Accidents  
Business and Corporate Practice  
Domestic Relations  
Wills & Probate  
Admitted DC, MD, VA, &  
Fed. Courts  
First consultation free and discount  
rates with valid Pi membership  
(202) 638-2300

## Personal, Informed Realtor® Service!

I can access the Realtor's MLS computers of Mont. and Fred. counties, Maryland in your home on my Mac PowerBook 145. Call Carl Kruhm, Shannon and Luchs. H (301) 831-8549, O (301) 417-7700.

## For Sale

Students, Teachers, Researchers. Academic DataManager v2 creates bibliographies, manages notes, & serves as a database for academic information. Build a card catalog like a library's. Track books, articles, music, videos, & notes. Formats in four common bibliographic styles. Imports & exports to other databases. Easy to use. \$39.50. For information call (800) 296-6279; (202) 686-0409. America Online: kalmarx

MacSE/30 computer, with 40MB hard drive, 2MB RAM. Well maintained. \$1000. Judy Silfen, (301) 229-5470.

PowerBook 100, some water damage, 120MB Internal Hard Drive, 6MB RAM upgrade, Internal Fax Modem (not working), External 3.5 disk drive, battery, etc., all manuals and software. Make offer. (202) 333-9095.

Four 1-meg Macintosh SIMMs, 70 ns (from Mac IISI). \$120 for the set. Call John, (703) 370-6717.

Quadra 950 8/0, \$4000; ImageWriter II, \$175; Apple IIe compatible w/monitor, \$250; Top line PowerBook modem, in

box, \$300; Apple IIc w/ monitor, \$350; NEC CD \$225. Dr. Lee, (202) 483-4237.

1 year old Apple Macintosh LC II-4/80 w/color monitor. Software: ACT & GreatWorks. Modem included. \$1100 or best offer. (301) 309-6752.

## Wanted

Several teachers have called me asking if I know of anyone wanting to sell their Hayes 1200 baud modems. If you have one or more of these modems (from last year) that you'd like to sell, kindly give me a call. Phil Shapiro, (202) 244-2223. America Online: pshapiro (Electronic mail preferred).

Freelance Mac graphic artists needed for educational software project. Phil Shapiro, (202) 244-2223. America Online: pshapiro (Electronic mail preferred).

## Trading and Bartering

Will trade new DataDesk Mac-101 keyboard for a Mac Hard Disk, approximately 40 MB. Joe Schram, (202) 543-1818.

## Services Offered

Office Suite nicely furnished; reception area, work area + private office. Good location in Silver Spring, \$150/week, no lease. (301) 422-2314.

## New Software for Sale

Students, Teachers, Researchers. Academic DataManager v2 creates bibliographies & footnotes, manages notes, & serves as a database for academic information. Build a card catalog like a library's. Track books, articles, music, videos, & notes. Formats in four common bibliography styles. Imports & exports to other databases. Easy to use. \$39.50. For information call (800) 296-6279; (202) 686-0409. AOL: kalmarx

## ALLNET SERVICE CENTER

*Apple and Macintosh Specialists*

Mac Plus/512 Power Supply \$95  
One MB Memory Upgrade Installed \$48  
Upgrade Mac 512 KE to Mac Plus w/ 1 MB RAM \$335  
Laser Printer, Hard Drive, Floppy Drive Repair  
Call for our low rates • Pickup/Delivery  
On-site/Walk-in • Service Agreements

3020 Wilson Blvd., Arlington, VA, Tel: 703-527-4300



# No job too small. No problem too big. We'll see that you get the output you want.

Ever get the feeling that your service bureau didn't really care about your two color proofs or your single page of repro? Well, we're not like those other guys. Whether you're sending us a thousand pages of high-res output or one file to convert, we'll make sure the job is completed to your satisfaction. And we can do just about anything you might want done.

## Imaging

From our Agfa SelectSet™ 7000, for perfectly registered color-separated film up to 22" × 26" at 3600 dpi, to our Linotronic L230, for good old 1693-dpi RC, we have an imagesetter that's ideal for the kind of output you need. We can also image 35-mm slides, both PICT and PostScript.

## Color Proofing

Need color proofs? We can offer you everything from presentation-quality proofs and over-heads from our Canon Color Laser Copier, to high-quality dye-diffusion output from our 3M Rainbow™,

to SWOP-certified laminated proofs of your color-separated film from our Kodak CONTRACT™ color proofing system.

## Scanning

Bring us your 35-mm slides, your prints, and other reflective art up to legal size. We'll work with you to make sure you get the file format, resolution, and quality that's right for your purpose.

## Service

Besides all our great imaging and prepress services, we give you the kind of service you have a right to expect. We offer a range of turnaround times to suit your schedule and your budget, low-cost courier services, and a 24-hour bulletin board system. Best of all, we have a highly trained staff who would just love to help you solve your technical problems. Whatever the job, big or small, we'll help you see it through to your satisfaction. Ask around. We think our reputation will back us up.



**The Publishers Service Bureau**  
4300 King Street, Alexandria, Virginia \* 703 824-8022

Washington Apple Pi, Ltd.  
 7910 Woodmont Ave., Suite 910  
 Bethesda, MD 20814  
 October 1993

Second Class  
 postage rates  
 paid  
 at Bethesda, MD

macUpgrades

301-907-0300



Authorized  
 Value Added Reseller

# Macintosh service. Our place or yours?

In the unlikely event your Apple® Macintosh® computer or peripheral needs service, you have more choices today than ever before.

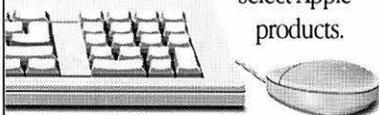


If you'd like us to come to you, our goal is to respond to your request within eight hours. And if you choose to bring your Macintosh in, you can expect to be up and running within two business days.

These extended service programs are designed to provide you with maximum in Macintosh service. So stop by or call today. And learn the specifics about full service for your Macintosh.

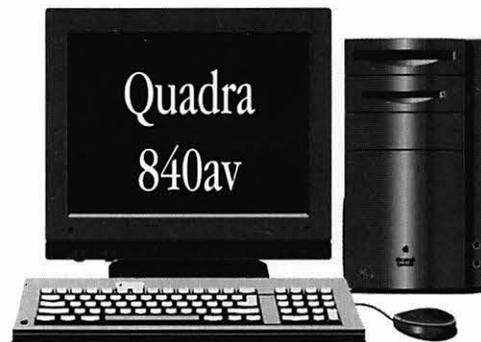


Since we are an Apple Authorized Service Provider, we can offer in-warranty and out of warranty repairs. We can also offer our customers on-site and carry-in service options for select Apple products.



**Call us today for details on carry-in and on-site service.**

## All AV Models Available



40mhz Ultra-High Speed 68040 Processor  
 AT&T Digital Signal Processor  
 Full Screen Video (NTSC) In/Out  
 16-Bit Stereo Sound In/Out

Ethernet & Appletalk Networking  
 DMA SCSI-II Disk Interface  
 Optional Apple CD-ROM  
 230/500/1000 MB Hard Drives

## High-Speed Hard Drives

### Fixed Storage

Quantum 105 Meg ..... \$319  
 Toshiba 213 (Powerbook) ..... \$599  
 Quantum 240 Meg ..... \$349  
 Quantum 425 Meg ..... \$499  
 Fujitsu 520 Meg ..... \$799  
 Fujitsu 1.2 Gig ..... \$1,099  
 DEC 1.2 Gig ..... \$1,099  
 Quantum 1.8 Gig ..... \$1,599

\*\* Add \$100 for External Drives

### Removable Storage

Apple PowerCD ..... \$539  
 PLI Syquest 44 (refurb) ..... \$299  
 PLI Syquest 44 (new) ..... \$369  
 PLI Syquest 88 (refurb) ..... \$499  
 PLI Syquest 88 RW 44 ..... \$649  
 PLI 105mb Syquest ..... \$659  
 PLI CD Multi-Session Int ..... \$499  
 PLI 128 Meg Optical ..... \$999  
 PLI 1Gig Optical ..... \$1,999

© 1993 Apple Computer, Inc. & MacUpgrades, Inc. Apple, the Apple logo and Macintosh are registered trademarks of Apple Computer, Inc. Other trademarks property of their respective owners. Prices subject to change without notice.

**Complete turn-key system solutions available for DTP/Prepress, Medical Office Billing, Imaging/Document Management, Multimedia, and Point of Sale/Inventory Management.**

Fax Quotation Requests to:  
 301-907-9335

Low Cost Next Day  
 Delivery by UPS

MasterCard, Visa, Discover  
 & American Express Accepted

Weekdays: 10-6  
 Saturdays: 11-4

6931-A Arlington Road  
 Bethesda, Maryland 20814