

\$3

Volume 23, Issue 5



# mini'app'les newsletter

the minnesota apple computer users' group, inc.

M A Y 2 0 0 0						
SUN	MON	TUE	WED	THU	FRI	SAT
	1	2	3  7:00	4	5	6  10:00 am
7	8	9	10  7:00	11  7:00	12	13
14	15  7:00	16  7:00	17  6:30	18  7:00am	19	20
21	22  6:00 7:00	23	24  7:00	25  6:30	26	27
28	29	30	31			

3 **AppleWorks SIG**  
Washburn Library  
5244 Lyndale Ave S. Mpls  
John Hunkins, Jr., 651-457-8949

4 **Telecommunications SIG**  
**CANCELLED**  
Bert Persson, 612-861-9578

6 **Board of Directors**  
mini'app'les members welcome.  
Byerly's  
7171 France Ave. S., Edina  
Lisa Huston

10 **Microsoft Word SIG**  
2850 Metro Drive Rm 124,  
Bloomington  
Tom Ostertag, D 612-951-5520 E  
651-488-9979

11 **Macintosh Main**  
Washburn Library  
5244 Lyndale Ave S. Mpls,  
Denis Diekhoff, 612-920-2437

15 **Fourth Dimension SIG**  
8200 Humbolt Ave South  
2nd Flr. Conference Rm.  
Bloomington  
David Ringsmuth, 612-853-3024

16 **Apple II / GS SIG**  
Ramsey County Library  
2180 Hamline Ave. Roseville  
Tom Gates, 612-789-6981

17 **Photoshop-Digital Imaging**  
Washburn Library  
5244 Lyndale Ave S. Mpls,  
Gary Eckhardt, 612-944-5446

18 **Quicken SIG**  
2850 Metro Drive, Rm 124  
Bloomington  
Dale Strand, 612-835-5872

18 **Macintosh Consultants SIG**  
Embers  
7525 Wayzata Blvd  
St. Louis Park  
Bob Demeules, 612-559-1124

22 **Macintosh Novice SIG**  
Merriam Park Library  
Marshall & Fairview, St Paul  
Richard Becker, 612-870-0659

22 **Meet Your iMac / Mac SIG**  
Merriam Park Library  
Marshall & Fairview, St Paul  
Brian Bantz, 612-956-9814

24 **Macintosh / Programming SIG**  
Washburn Library  
5244 Lyndale Avenue S, Mpls  
Andre Benassi, 612-502-0187

25 **FileMaker Pro SIG**  
Partners, Suite 5  
1410 Energy Park Drive,  
St Paul Steve Wilmes,  
651-458-1513



# mini'app'les

The Minnesota Apple Computer Users' Group, Inc.  
P.O. Box 796, Hopkins, MN 55343

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**Questions** – Please direct questions to an appropriate board member. Users with technical questions should refer to the Members Helping Members section.

**Dealers** – mini'app'les does not endorse specific dealers. The club promotes distribution of information which may help members identify best buys and service. The club itself does not participate in bulk purchases of media, software, hardware and publications. Members may organize such activities on behalf of other members.

**Advertisers** – For information, see Newsletter Ad Rates box within this issue.

**Newsletter Contributions** – Please send contributions directly to our Post Office, Box 796, Hopkins, MN 55343 or upload them to our BBS at 952-595-9404.

**Deadline for material for the next newsletter is the 1st of the month. An article will be printed when space permits and, if in the opinion of the Newsletter Editor or Manager, it constitutes material suitable for publication.**

**Editor/Publisher:** Tom Ostertag 651-488-9979

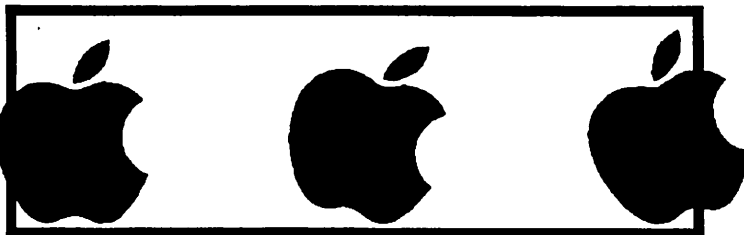
**Newsletter Layout:** John Pruski 952-938-2818, Bert Persson 612-861-9578

**mini'app'les BBS** – 952-595-9404, (co-located on Twin City Interlink BBS), 24 hrs. Settings: 8-1-0. Call in with FirstClass@ Client software or any text-based terminal program.

**mini'app'les Voice Mail** – 651-229-6952

**mini'app'les WWW site:** <http://www.miniapples.org>

**mini'app'les e-mail:** [miniapples\\_info@tcilink.com](mailto:miniapples_info@tcilink.com)



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## CHANGE OF ADDRESS

Moving? Going to be away from home and leaving a forwarding address with the Post Office? Please send us a Change of Address when you are informing others. By using a moment of your time and a few cents to drop us a card, you save the club some money and you get your newsletter delivered promptly to your new address. If you don't inform us, the Post Office puts your newsletter in the trash (they don't forward third class mail) and charges the club for informing us of your new address. Change of Address should be sent to the club's mailing address: mini'app'les, Attn: Membership Director, Box 796, Hopkins, MN 55343.

## FOR RENT: BRILLIANT PRESENTATIONS



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### Stock Jockeys

7 pm, first Monday  
Washburn Library  
52nd/Lyndale So.  
Online research &  
investing (lo-tech)  
denis 612-920-2437

**A  
New  
Meeting**

## June 2000 Preview

Here is the tentative calendar of our Special Interest Group (SIG) meetings for June 2000. Please pencil these events on your calendar. As always, when doubtful of a SIG date, time, or location, confirm with one of the following:

- Our BBS, the Calendar Folder in the Conferences Folder
- Our Voice Mail Telephone number: 651-229-6952
- The cognizant SIG Leader

Thursday	June 1	Telecom SIG
Saturday	June 3	Board of Directors meeting
Wednesday	June 7	AppleWorks nee ClarisWorks SIG
Thursday	June 8	MacintoshMain SIG
Wednesday	June 14	Microsoft Word SIG
Thursday	June 15	Macintosh Consultants
Thursday	June 15	Quicken SIG
Monday	June 19	Fourth Dimension SIG
Tuesday	June 20	Apple II / GS SIG
Wednesday	June 21	PhotoShop / Digital Imaging SIG
Thursday	June 22	FileMaker Pro SIG
Monday	June 26	Meet Your iMac SIG
Monday	June 26	Macintosh Novice SIG
Wednesday	June 28	Macintosh Programming SIG

# Members Helping Members

Need Help? Have a question the manual doesn't answer? Members Helping Members is a group of volunteers who have generously agreed to help. They are just a phone (or an e-mail) away. Please call only during the appropriate times, if you are a member, and own the software in question.

Apple II / IIGS Software & Hardware	1, 5, 8, 15
ClarisDraw	2
AppleWorks / ClarisWorks	7, 8, 9
FileMaker Pro	
FirstClass	
HyperCard	11
MacWrite Pro	
Microsoft Excel	2, 5, 6
Microsoft Word	5
MYOB	6
PhotoShop	3, 14
Quicken	2, 6
QuickBooks and QuickBooks Pro	6
Mac OS 7	8
Mac OS 8	12
WordPerfect	4
Cross-Platform File Transfer	5,15
Networks	11
New Users	10, 11
PowerBooks	11
Classic Macs	11
Power PC 601 Power Macs	
iMacs	13

1. Les Anderson	651-735-3953	DEW
2. Mike Carlson	218-387-2257	D
3. Eric Jacobson	651-645-6264	D
4. Nick Ludwig	612-593-7410	DEW
5. Tom Ostertag	651-488-9979	EW
6. Ardie Predweshny	612-823-6713	DEW
7. Owen Strand	612-427-2868	D
8. Bruce Thompson	612-546-1088	EW
9. Pam Lienke	651-457-6026	EW
10. Tom Lufkin	651-698-6523	EW
11. Ben Stallings	612-870-4584	DEW
12. Chuck Hauge	651-292-9029	D
13. Rodney O. Lain	651-452-5821	EW
14. Gary Eckhardt	612-944-5446	EW
15. Michael Cumings-Steen	651-644-8653	DEW

D: Days, generally 9 a.m. to 5 p.m.  
 E: Evenings, generally 5 p.m. to 9 p.m.  
 W: Weekends, generally 1 p.m. to 9 p.m.

Please call at reasonable hours, and ask if it is a convenient time for them. By the way, many of these volunteers can also be contacted on our BBS. We appreciate your cooperation.

If you would like to be a Members Helping Member volunteer, please send an e-mail message to John Pruski on our BBS, or call him at 612-938-2818, with your name, telephone number, contact hours, and the software or hardware areas you are willing to help others.

## Newsletter Ad Rates

1/12 page . . . . . 2.25" Width x 2.5" Height . . . . . \$5	Outside back cover . 7-1/2" Width x 7-1/2" Height . . \$50
1/6 page . . . . . 2.5" Width x 5" Height . . . . . \$10	Inside back cover . . . . 7-1/2" Width x 10" Height . . . \$60
1/3 page . . . . . 2.5" Width x 10" Height Vert or 5.5 H. . . \$20	
1/2 page . . . . . 7.5" Width x 5" Height (save 5%) . . . \$30	
2/3 page . . . . . 5" Width x 10" Height (save 7%) . . . \$40	
Full page . . . 7-1/2" Width x 10" Height (save 15%) . . \$60	

All ads must be prepaid and submitted on electronic media. Ads of \$20 and under must run for a minimum of three months.

Mail inquiries to: PO Box 796, Hopkins, MN, 55343  
 Phone inquiries to: John Pruski, 612-938-2818

# May / June Photoshop Digital Imaging SIG

Submitted by  
Gary Eckhardt/ Bert Persson

The May Digital Imaging/ Photoshop SIG meeting will be a demonstration of the software package Photo Genetics. Photo Genetics is a digital imaging program that uses the 'eye doctor' approach to improving the image (is 1 better or worse than 2, etc.). A more detailed description of Photo Genetics is available in the March, 2000 issue of MacWorld.

On Wednesday, June 16, the Digital Imaging/Photoshop SIG will meet at the Hennepin Technical College in Eden Prairie at 6:30 PM. Jill Gerold, an instructor in the Electronic Publishing Department, will give a lecture on the use of layers in Photoshop. Here is a great opportunity to learn more about the power of layers, adjustment layers, layer masks, etc.

Call Gary Eckhardt, 952-944-5446, for more information on this

event.

Bring your digital imaging questions. See you there!

If you have questions about the meetings please call Gary Eckhardt at (612)-944-5446.

## Cleaner, Leaner, Faster!

Submitted by Tom Gates

Applications were running 3 times longer. Access to the hard drive sounded like someone trying to shake the living daylight out of it. "About This Computer" was showing me that the OS was using 22mb. It was 14mb last weekend! What's going on?!

First, tried to blame the kids. No luck there. They hadn't done anything (I've worked with programmers enough years to know how to take that line) - out of the usual. My older daughter's "usual" on the iMac is scary enough. No! Not the "Unusual"!

Trying to calm down and be rational, I began to review the facts. Mr. Holmes himself would have been proud. Or so I hoped.

First, the annoying drive noise. It was forever rattling around looking, seeking, and looking some more. Well, I have had this thing for a year and a half. While I've only 'dumped' things on about half of the 4gb drive, there was no telling what the free space looked like. Was any of it contained in any contiguous space? Bet by now you couldn't find more than a few megabytes together free. OK, that's good. Probably looking at some fragmentation problems.

Second, then. Why so slow? My help in searching for a real ET was bundled up in the SETI screen saver/application. But this did provide a clue. Generally, processing a data file had taken about 24 hours. Now they were running in the 72-hour range! Ah Ha! While it is running I

notice that rattling sound from the disk drive. Didn't always remember that when SETI had been running. It's doing a lot of memory swapping to the drive. Gee, must have the memory size set too low. I'll crank that up a bit so it can use as big of chunks of virtual memory as it wants. Holy Smoke! Now the rattling has gotten worse! Hmm. Probably no space to write virtual memory to the drive in one chunk. We've just revisited the first item. Fragmentation.

Third item was this 21mb memory thing. Using Conflict Catcher and removing vast quantities of "what is this" kinds of options - I thought I'd really carved the heart out of the OS this time. What! 20.2mb! Wasn't worth the time or effort!

Three days later....

Scene: Local computer store. Mac software section. Looking over the utility software. Norton or Tech Tools? Tech Tools or Norton? Heck, Peter has a nice smile. Looks like he's ready to help a distraught Mac owner like me. (is this touchy-feely software selection or what?)

Later that day...

Scene: Panic stricken (momentarily) Mac user sees OS/9 screen pop up on iMac. It's ok though. We're booting from Peter's "Norton Utilities - for the Macintosh v5.0". Good, no problem. Just wasn't quite ready for the OS/9 plunge. Maybe next weekend.

Start poking through the menu to see what all Peter has put on the CD

for us. Here we go. Defragment your drive(s) with "Speed Disk". Selecting it I get a message that I've not yet run "Disk Doctor" to check and/or repair my drive. I give in and run the doctor first.

I'm warmly greeted with a short flurry of messages about some file in the System Folder that has bad size information. They are overstating their sizes by about 1.2mb each. BINGO! I've just uncovered the solution to my third "wondering". Sure enough. After letting Norton fix these files, a reboot of the Bondi machine shows my OS is once again taking a comfortable 14.7mb.

Now feeling more encouraged than ever that a solution was at hand for all of my recent woes, I once again fired up "SPEED DISK". The amount of time it took just to peruse my drive to give me a status of the thing was enough to tell me I'd better look at the results with one eye partially open - squinting just enough to see the damage. WOW!!! According to Peter (sounds kind of Biblical, don't it?) there was no where on my drive where more than 21mb of free space could be found hanging around together. Again, out of 2gb of free space, the largest contiguous space was 21mb! Drive Thrashing now seemed such an understatement.

Had about 300 files out of just over 3500 that were fragmented. OK, do them first and see what happens. Good. Better than before. But not yet great. Time to swallow the whole chalupa. Let's defrag the entire drive.



Some time later....

This was a 2-sandwich job. Coming back from the second, found the screen to be blank. Not what I'd expected. However, upon jiggling the mouse to see if the machine was alive, the screen brightened way up. What a novel idea! A screen saver that just goes blank! Lawn-mower-man, eat your heart out.

Up popped the info I'd been waiting for. The results of the defrag. WOW again!!! The machine looked clean. Rebooting back to the regular OS just seemed so much faster. Starting up the SETI application, I leaned in to listen for the drive rattling. Nothing! Silence! And the program was running. To get a timing, I

just let the newly started SETI data file run. Coming back the next day, I found it already processing the next data file. The previous had completed in about 22.5 hours. That's a far cry from the 72 hours it had been taking.

Lessons learned: A fragmented drive and some bogus file length information had me reaching for the phone to order machine memory by the gross (close, 128k). In fact, routine house cleaning eliminated most of the problems, degradation and nail biting. The difference was amazing. If you feel your machine just isn't as fast as it once was, and every time you save something to the hard drive it seems to be making 30 copies for you, it may be time for some similar maintenance work on your machine.

Over the last couple of months, there have been reviews of Tech Tools, Norton Utilities, and the like covered in the newsletter. Also, various write-ups in the normal Mac mags as well. I understand you may want to take a look beyond the smiling face on the front of the box when making your selection of software. I hope some of this will be helpful to you.

Last note: I did finally jump in and buy additional memory for the iMac. Earthquakes aside, a 64mb module was gotten for \$49 in March. Plus the video memory expansion. That story of an internal iMac operation coming to your newsletter soon!

## We need Newsletter Articles!

Submitted by Bert Person

Last month I wrote an article asking our members for Newsletter articles. This month I will ask the same question. Please send anything you would like to share with our members related to Apple, Macintosh, Mac clones, software and peripherals to

"For Newsletter Staff" on our Bulletin Board (BBS) or mail it to our Post Office, Box 796, Hopkins, MN 55343.

If you have problems with software, hardware or whatever don't be discouraged, even if you feel you have a simple problem, it would probably benefit someone if it is published in the newsletter. For instance, if you

have found some tips or shortcuts in a particular piece of software please let us all know by submitting an article. That way I think we can all make the Newsletter more interesting.

## UPresent and UGather software at last months Mac Main

Submitted by Les Anderson

If you missed the Main Mac meeting in March you missed an excellent presentation by Rick Pelfer on UPresent and UGather. So, you ask, what are UPresent and UGather? UPresent is a POWER POINT type program, but it does several things that POWER POINT can not do. Better yet, UPresent is free.

UPresent can use slides just like POWER POINT, but it can also use Quick Time items, video sequences, URLs, and live video. All these items can be incorporated into a presenta-

tion, or moved in and out at will. Another feature is that you can use your mouse or a graphic tablet to highlight text or add notes during a presentation without altering your files. The presentation can be easily customized or altered. You don't need one large file and the presentation can be on your hard drive, or remote mounted or on CD's.

UGather is a multimedia data base manager. With UGather you can keep track of images, Quick Time movies, and audio files. You can also store information related to each file. The database can be searched with

key words or examined with thumbnail images.

Both programs can support most file formats, and will run on both 68K Macs and Power PC Macs. System 7.1 or higher. The programs can be downloaded at <http://upresent.umn.edu/>. If you already have the program check the web site to be sure you have the latest version. An update was released in late March. A manual in PDF format is supplied with the program.

## Rodney O. Lain our April Mac Main speaker

Submitted by Bert Persson & John Pruski

At our April Mac Main meeting we had the pleasure of listening to one of our more prolific members. His enthusiastic presentation on the needs and future of computer user

groups, was very engaging. Rodney started out by describing how he shifted gears from the retail business to becoming a writer of newspaper and magazine articles, with a primary focus on Macintosh computers and related equipment. At the present

time, he is a contributing author for the St. Paul Pioneer Press. His articles are usually published in the Monday tech section. In addition he also publishes articles in Mac Addict. Thanks for the interesting prez!

# DIGITAL ORIGIN DVWIRE April 2000

Submitted by John Pruski

## PRODUCT NEWS:

(<http://DigitalOrigin.com>)

EditDV Now Compatible with Apple G4, iMacDV and PowerBook Firewire  
EditDV 2.0 for Mac to Ship Next Week

EditDV for DVRaptor IEEE 1394 Card Shipping

IntroDV OHCI Now Available for 3rd Party OHCI IEEE 1394 Interfaces  
Media Cleaner: Compress Your Video for Web, Intranets, CD and DVD

## PROMOTIONS:

(<http://DigitalOrigin.com/specials>)

\$200 Rebate on EditDV

\$50 Rebate on IntroDV with Canon digital camcorder purchase

## PARTNER NEWS

iCanStream.com Educational Web Site for Streaming Video Launched

## SUPPORT NEWS:

(<http://DigitalOrigin.com/support>)

G4/iMacDV/PowerBook built-in Firewire updater

## PRODUCT NEWS

### EDITDV NOW COMPATIBLE WITH APPLE G4, IMACDV AND POWERBOOK FIREWIRE

EditDV for Mac OS can now be used seamlessly with the built-in FireWire ports on the latest iMac DV, G4 (Sawtooth) Power Mac and the new G3 PowerBook portable. At long last, Apple has fixed the problem that prevented the fastest DV editor from working on the fastest G4 Power Macs! EditDV users can now enjoy plug and play video editing using Apple's G4 or PowerBook built-in OHCI FireWire interface.

Mac OS 9.0.4 is required. OS 9.0.4 software update includes the FireWire 2.3.3 software which allows the Digital Origin applications to capture and playback DV footage from Apple's OHCI equipped Power Macs. Owners of these DV ready Power Macs with OS 9 may download the Mac OS System Software release 9.0.4 updater from the Apple website. Mac OS 8.x owners must purchase the OS 9 upgrade. EditDV 1.6.1 users will also need to download a free update from

<http://DigitalOrigin.com/support/download.html>.

### EDITDV 2.0 FOR MAC SHIPPING NEXT WEEK

The long awaited upgrade to the EditDV Mac Edition software has been completed and will ship next week. This \$99 upgrade includes some of the top feature requests you've been asking for. Essential capabilities like slip, slide and ripple editing from the timeline, plug-in support, clip linking, Export to compressed formats from the timeline, G4 compatibility and more.

Order the EditDV upgrade for just \$99 and receive a free copy of Media Cleaner EZ 4.0. For more information, please visit

<http://digitalorigin.com/products/editmac/upgrade.html>

Anyone who purchased EditDV 1.x for Macintosh after February 5th, 2000 may request a free upgrade to version 2.0. Simply fax a copy of your dated receipt showing purchase of EditDV 1.6.1 Macintosh Edition on or after 2/5/2000 to 650-404-6432. All requests must be received by 4/30/00. Include your mailing address and phone number.

### EDITDV FOR DVRAPTOR NOW SHIPPING

Digital Origin is pleased to announce that EditDV is now compatible with the DVRaptor i.Link card. Developed with careful assistance from the Canopus Engineering team, this special edition of the EditDV software can be installed right alongside Raptor Edit and Adobe Premiere. Plus, we've created a special introductory offer which allows any DV Raptor owner to order a full copy of EditDV 2.0 software (Win 95/98/NT) for just \$199. So if you (or someone you know) is using the DV Raptor PCI FireWire card, here's your best chance to add the award-winning EditDV software to your library of content creation tools.

To order this \$199 upgrade, you must go to <http://DigitalOrigin.com/raptorupgrade>

### GET TERRAN INTERACTIVE MEDIA CLEANER DIRECT FROM DIGITAL ORIGIN

If you are showing your videos to the internet, intranet, CD or DVD, you need Media Cleaner to compress and prepare your media. Media Cleaner EZ is the easy way to prepare your media for CD-ROM, DVD-ROM and the Web! EZ is a "scaled-down" version of Media Cleaner Pro designed for hobbyists, students, and other entry-level multimedia creators. Media Cleaner EZ for Windows may now be purchased and downloaded from Digital Origin's online store for \$89. Go to <http://digitalorigin.com/store/buyesd.html> to buy and download.

Media Cleaner Pro is the industry standard for dynamic media compression. Use Media Cleaner Pro 4 to prepare the highest quality media for the Web, CD-ROM, DVD, broadband, kiosk, and presentations. Media Cleaner Pro is the only cross-platform tool that supports all the major formats including QuickTime 4, RealSystem G2, Windows Media, MPEG, AVI, DV, MP3, still images, and audio-only formats. Media Cleaner Pro 4 (Windows and Mac) is available for immediate shipment from Digital Origin's online store for \$499. EditDV and Media Cleaner Pro together are just \$999 (Windows only). Go to <http://digitalorigin.com/store/buyonline.asp> to order.

## PROMOTIONS

### \$200 REBATE ON EDITDV

Purchase EditDV from a participating retailer and receive a \$200 rebate coupon. Offer applicable only for EditDV for Windows (0759), EditDV for Windows software only (0760), EditDV for Mac OS (0733), or EditDV for Mac OS software only (0740). All purchases must be made between March 1, 2000 and June 30, 2000. Please read the coupon for complete details of this offer. The coupon may be downloaded at the following URL: <http://digitalorigin.com/partner/pdf/editdvrebateFAX.pdf>

## PARTNER NEWS

### iCanStream.com STREAMING VIDEO EDUCATIONAL WEB SITE LAUNCHED

Digital Origin, and Media 100 have teamed up with Canon, Beatnik Inc, Kensington DigitalFridge.com, Terran Interactive and Wired Inc to launch iCanStream.com, the world's first web site dedicated to teaching new and experienced video enthusiasts the basics of streaming media, includes unique content that promotes understanding of the four step process of shooting, editing, compressing and

publishing video over the Internet. Over time, iCanStream.com will evolve into a streaming media community site where people can come to share their knowledge, experiences, tips and tricks, and even their streaming media creations, thus contributing to the educational value of the site.

Visit iCanStream.com today at <http://icanstream.com>.

## SUPPORT NEWS

### NEW UPDATER G4/iMacDV/POWERBOOK BUILT-IN FIREWIRE UPDATER

Updater for all Digital Origin Mac OS products to support Apple's built-in Firewire on Power Macintosh G4, iMacDV and Powerbook systems. Requires Mac OS 9.0.4, which includes Apple Firewire 2.3.3 drivers. This updater is not required for EditDV 2.0.

Please visit <http://DigitalOrigin.com/support> for online answers and software updates.

Happy Editing,  
Digital Origin

## Ongoing Deals for Mini'app'les Members

Submitted by Tom Gates and Bert Persson

The following businesses have agreed to provide ongoing discounts to members of mini'app'les. When you contact these companies, please identify yourself as a member of mini'app'les to qualify for these discounts. For questions related to these discount offers, please contact Tom Gates - (612) 789-1713 evenings and weekends.

### Power Protection Products

Surge Protection strips, Battery backups, line conditioners, etc. Contact Keith Kalenda at Business Security Products (612) 789-1190. 1/3 off APC SurgeArrest line of products 25% off APC BackUPS, SmartUPS and related products.

### CartridgeCare, Inc.

CartridgeCare, Inc. of Roseville is offering Mini'app'les members an additional \$5.00 off the cost of laser printer cartridges. They handle supplies for, and do repair work on equipment from a number of manufacturers. For example: Apple, Canon, HP, IBM, Epson, Sharp, Brother, Panasonic, Okidata, Minolta, to name a few. They also provide free next-day delivery and core pickup in the metro area.

For additional information about the user group discount and other services, contact CartridgeCare at (612) 331-7757.

### Macmillan Publishing/Peachpit Press

Once again we are offering a 40 % discount on Peach Pit Press and MacMillan family of book companies (Hayden, Adobe Press, Que, Sams, Brady, NRP, and Alpha). Contact per-

son for Peach Pit Press is Keary Olson, he can be contacted at SIG meetings or on our BBS (home phone 724-0031). In order for our members to receive the 40% discount, Peach Pit Press requires that a number of books be ordered at the same time. Therefore please allow at least 4-8 weeks when ordering books from Peach Pit Press. Minnesota sales tax and a \$ 0.50 shipping charge will be applied to each book ordered. The 40% off MacMillan book offer can be applied on individual purchases plus Minnesota sales tax and a s/h charge. Use the mini'app'les account number # 10782880 -when ordering.

MacMillan Publishing produces frequent listings of new titles that have been added to their catalog. Mini'app'les will attempt to have these available on the BBS in addition to the catalogs.

## Midwinter Madness follow up

Submitted by Bert Persson

At the Midwinter Madness Hobby Electronics Show last month there were plenty of bargains for the frugal shopper.

This annual event is sponsored by the Robbinnsdale Amateur Radio Club (RARC) and brings together commercial vendors as well as hundreds of flea market sellers. Midwinter Madness is proclaimed to be the biggest swap meet in the Midwest, as well as "The Longest Consecutive Running One-Day Show

in the Midwest".

It all started nineteen years ago as a swap meet for radio amateurs (Hams) to sell and trade radio communications equipment. Those were the days people mainly kept in touch using transceivers by sitting in front of their microphone communicating with others around the world. This is still done today, but some of it has been replaced by e-mail over the Internet. I think we all have experienced problems with e-mail, so radio communications will certainly remain a viable choice in the future.

However, with the expansion of computers in the marketplace, more of the equipment sold are computers and related equipment. In that context, it should be noted that there has been an considerable increase in the availability of Apple / Macintosh computer equipment during the last few years. This obviously is a reflection of the increased sales Apple computer has had in the last couple of years and as Apple grows so will the second-hand market. Of course, as with all swap meets, one can find anything from beanie babies to video



cameras. And speaking of video cameras, one of our members found an excellent camera for a very reasonable price at this event, so you never know what you may find. That's part of the fun, walking up and down the aisles looking at all kinds of stuff and who knows, you may find that left-handed screw "what-you-may -call-it"

## VideoGenetics & PhotoGenetics by Q-Research

Submitted by John Pruski

Q-Research to Launch VideoGenetics Software for Digital Video Enhancement First-of-its-kind imaging software-ware available Feb. 3 for PMA 2000

SEATTLE (Jan. 19, 2000)—Q-Research Inc. will automate the process of enhancing digital video for the first time with the release of VideoGenetics, its latest digital imaging product. The software, which allows digital video enthusiasts and professionals alike to improve the quality of digital video quickly and easily, will launch Feb. 3 in conjunction with the Photo Marketing Association 2000 trade show in Las Vegas.

Through VideoGenetics' simple interface, users access a powerful, patent-pending technology known as genetic image optimization. The intuitive program makes complex imaging adjustments without requiring any technical knowledge on the user's part. Users simply tell the program what looks best to them, and VideoGenetics converts the images to reflect their preferences.

"VideoGenetics is the perfect tool for those who wish to enhance their digital video so that it is as vibrant as the scenes they remember," said Del Clark, president of Q-Research. "Our optimization technology for digital video is the first to market, geared toward digital video enthusiasts and professionals who want to get the most from their digital video display while investing the least amount of time in the enhancement process."

Upon opening a video display in the program and starting the optimization process, a user will view two displays side by side: a sample of the original video on the left, and a first

variation on the right generated by VideoGenetics. The software continues to display a series of variations, manipulating a dozen characteristics such as hue, gradient, color balance, contrast, gamma, color temperature, color shift and saturation. With a click of the mouse, a user rates how much better or worse each variation is compared to the original. The software automatically applies the desired enhancements to the video. The user may enhance the entire video while it is playing or select separate segments to enhance as needed.

When the user is satisfied with the results of the optimization, the new version of the video may be saved. To conserve file space, the enhancements may be saved in a separate file that contains a link to the original video. The movie may be played back in any program that supports Apple-QuickTime, such as QuickTime Movie Player or Adobe- Premiere-. More than one set of enhancements may be applied to a video and linked with fade-ins and fade-outs. Once saved, a set of enhancements may be applied to other video segments taken in similar conditions for extra-quick enhancement.

VideoGenetics is currently available for Macintosh-, with a Windows-version to follow. Minimum requirements include a Power Macintosh-, Mac- OS 8.5 and up, and QuickTime 4.0. The software will cost \$249, with an introductory price of \$199 through April 3. VideoGenetics may be downloaded through Q-Research's Web site, at [www.q-res.com](http://www.q-res.com). For a demonstration of the software, stop by Q-Research's PMA booth Feb. 3-6 (#T92, Las Vegas Convention Center).

In March 1999 Q-Research introduced PhotoGenetics, enhancement software for still digital images. PhotoGenetics is based on the same

genetic image optimization technology that powers VideoGenetics and shares a similar interface.

Q-Research has also developed VisualGenetics, a suite of online tools that enables users to enhance and edit images over the Internet in real time. The Java applets may be licensed to Internet content providers, who may select a package tailored to the image-editing needs of their users. Ideal for low-bandwidth connections, VisualGenetics enables users to enhance low-resolution images on their browser while still seeing exactly how these enhancements will appear when applied to the full-resolution image at the server.

Innovative Technology Saves Our Fondest Memories

PhotoGenetics enhancement software restore\* photos to original brilliance

SEATTLE (Aug. 5, 1999)—Since cameras became readily available to the average consumer in the 1930s, photographs quickly have been established as the ultimate legacy—a prized possession that visually connects us to our past.

Q-Research, a North Bend, Wash., company has just introduced PhotoGenetics, breakthrough software that allows casual PC users and digital photographers to save their memories from the aging process.

We all have the classic photos that define our lives—the simple snapshot of dad running along side our bicycle, launching us into the world without training wheels, or the first grade photo where a big smile showed a mouthful of gums rather than our two front teeth. Other unforgettable moments like graduations, weddings and the first time our child slept cradled in our arms, can be revisited year after year through photographs.

for them by becoming a member. In conclusion I like to take this opportunity to thank Tom Gates, John Pruski, Bob Kosky, Mike Schauer, Bill Nisbit, Owen Aaland and sons for their help at this years Midwinter Madness. See you there next year.

Preserving these keys to our past, however, can be problematic.

What happens when that box of memories yellows and fades, with flesh tones becoming orange and edges frayed?

PhotoGenetics is image enhancement software that enables families to scan those yellowed, aging photos and dramatically improve their quality on a PC in only a few minutes with minimum training. When an image is opened in PhotoGenetics, consumers see two versions side by side. Using its interface element, called the evaluator, with a single mouse click, PhotoGenetics applies a dozen global image processing functions at the same time, including hue, gradient, sharpness and color balance. A new version of the photo is produced, and the user simply saves it.

"The advanced technology behind PhotoGenetics allows casual PC users to refresh their family photos and ensures that these heirlooms will always hold their place within a family's history," said Q-Research President Del Clark. "So much of our lives are played out before a camera. It's a great feeling to know this software will enable all generations to see images as bright and clear as their memories when reminiscing about their family."

PhotoGenetics is available for the Windows- 95/98 and Macintosh-operating systems. Consumers can experience "genetic" optimization technology themselves, on their photographs, by visiting the Q-Research Web site at [www.photogenetics.com](http://www.photogenetics.com).

#### Q-Research Releases PhotoGenetics Add-ons

PhotoGenetics PlusPak fine-tunes photos

SEATTLE (Oct. 5, 1999)—Q-Research, the company that launched PhotoGenetics, the first user-friendly image enhancement software based on "genetic algorithms," today introduced PhotoGenetics PlusPak—new add-on components to correct spatial distortions, enhance specific colors or create artistic variations of an image.

Additionally, the company released PhotoGenetics 1.10 for Windows-95/98/NT and Macintosh-operating systems, a more intuitive version of the software that includes new drag and drop image file management capabilities.

The PhotoGenetics PlusPak Dewarp Evolution corrects spatial distortions—a common problem with the optics of many digital cameras, particularly when taking wide angle shots. The standard version of PhotoGenetics includes a similar function using predefined dewarp genotypes. With the new dewarp add-on, PhotoGenetics PlusPak users can create their own genotypes, tailored to their specific camera, zoom settings and lenses.

The Isocolor Evolution creates unique and varied images by only changing one specific color in a photo—making it less colorful, more brilliant, darker, paler or changing the color altogether. Using this add-on, a school bus in an image can be changed to a more vibrant yellow or even green. Another example would be the evolution of a brown door to a purple door.

"These add-ons make it simple to fine-tune images to exactly the way you want them," said Del Clark, president of Q-Research.

The Artistic Evolution add-on in the PhotoGenetics PlusPak is designed to produce extreme modifications of an image, creating unusual and strangely compelling results. For example, some colors become saturated, while other colors change altogether. After this evolution, photos may look like a watercolor painting or a psychedelic rock poster from the '60s.

"Now that 26,000 people have discovered how easy it is to create stunning images with PhotoGenetics, they're ready to have a little fun with their photos, the Artistic add-on is the perfect tool to do just that," Clark said.

To download PhotoGenetics PlusPak, users must have PhotoGenetics 1.10, the most up-to-date version of the software. Current PhotoGenetics users can do this by logging on to [www.photogenetics.com](http://www.photogenetics.com) and downloading the software using their previ-

ous registration code.

PhotoGenetics PlusPak (Dewarp Evolution, Isocolor Evolution and Artistic Evolution) is available to download for \$29.95 at [www.photogenetics.com](http://www.photogenetics.com). The Dewarp, Isocolor and Artistic add-ons can also be purchased separately for \$14.95, \$14.95 and \$9.95, respectively.

PhotoGenetics is \$29.95 when purchased direct at [www.photogenetics.com](http://www.photogenetics.com). A CD-ROM version of PhotoGenetics is also available for \$39.95.

PhotoGenetics allows casual PC or Mac users to easily improve the quality of their digital and scanned photographs with dramatic results in fewer than five minutes.

PhotoGenetics applies a dozen global image processing functions at the same time with a single mouse click. Users simply compare the images that appear on their screen until they see what they like, without having to learn a complex image-editing program.

Q-Research Teams With Casio to Offer Digital Camera Users Image Enhancement Capabilities  
PhotoGenetics software also to be marketed by Ariston?, d-store.com

SEATTLE (Jan. 6, 2000)—Q-Research Inc., maker of digital image enhancement programs, has announced an agreement to package its PhotoGenetics software with Casio's newest digital cameras. In addition, Q-Research has announced marketing alliances with Ariston Technologies and d-store.com.

PhotoGenetics enables inexperienced users to quickly and easily improve the quality of digital and scanned images based on personal preferences. The software employs a simple interface to access a powerful technology known as genetic image optimization. Users compare their original images with variations created by PhotoGenetics, which manipulates a dozen image characteristics such as hue, gradient, color balance, contrast, gamma, color temperature, color shift and saturation. Users click on a scaled bar to indicate how much better or worse each variation is compared to

the original, and the desired enhancements are automatically applied.

PhotoGenetics will be packaged with Casio's latest digital camera models, including the QV-8000SX with 8X optical zoom and the QV-2000UX with 2.1 megapixel resolution, USB and support for CF Type II cards.

Ariston will also distribute PhotoGenetics with its Universal Serial Bus (USB) iRead™ Flashcard Reader/Writer and iSee™ Web cameras sold through its Web site and worldwide network of distributors and resellers. The iRead™ Flashcard Reader/Writer enables the quick transfer of images from digital cameras to a PC or Macintosh. The iSee™ Web cameras allow users to take snapshots, videoconference, create movies and transfer files over the Internet.

In another alliance, d-store.com, the leading provider of digital photography solutions online, will market

PhotoGenetics through its Web site. Visitors to the [www.d-store.com](http://www.d-store.com) site may connect with a link to d-store.com's PhotoGenetics offer for a free 30-day trial or to download the software.

Casio, Inc., Dover, N.J., is the U.S. subsidiary of Casio Computer Co., Ltd., Tokyo, Japan. Casio, Inc., with sales over \$450 million, markets calculators, watches, palm-size PCs, business organizers, musical keyboards, audio and video products, electronic cash registers, digital imaging products and other consumer electronic products.

d-store.com is the premier digital photography Web store, offering digital photography solutions for the consumer, professional and educational markets. dstore.com differentiates itself from other commercial Web stores with its commitment to competitive pricing, excellent customer service, reliability and ease of doing

business.

Ariston Technologies is a leading USB developer and manufacturer selling to distributors, resellers, educational accounts and mail order catalogues around the world. Ariston has the most diversified cross-platform (Windows 98 and Mac) USB product line in the world with 18 products currently shipping and additional products under development.

Q-Research Inc., a North Bend, Wash.-based firm, is developing new technology for the digital image revolution. Recognizing the fundamental, but often overlooked fact that every pair of human eyes sees the world in a unique way, Q-Research is using "genetic" programming to optimize digital images for individual users. For more information, visit [www.q-res.com](http://www.q-res.com), or call (425) 888-6609.

## Apple's Internet World Announcements by MacNN Staff

Apple Acquires DVD Authoring Technology, Products and Engineering Team  
From Astarte

NAB2000, LAS VEGAS—April 10, 2000—Apple® today announced it has acquired the DVD authoring software products and the associated underlying technology from Astarte GmbH, the award-winning developer of DVD authoring tools. Astarte's DVD engineering team will join Apple as part of the acquisition.

Apple ignited the personal computer revolution in the 1970s with the Apple II and reinvented the personal computer in the 1980s with the Macintosh. Apple is committed to bringing the best personal computing experience to students, educators, creative professionals and consumers around the world through its innovative hardware, software and Internet offerings.

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NOTE TO EDITORS: For additional information visit Apple's PR website ([www.apple.com/pr/](http://www.apple.com/pr/)), or call Apple's Media Helpline at (408) 974-2042.

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Apple Announces Final Cut Pro 1.2.5

Award-Winning Video Editing Software Supports Wide-Screen Format  
NAB2000, LAS VEGAS—April 10, 2000—Building upon the incredible features of Final Cut Pro™ 1.2, Apple® today announced Final Cut Pro 1.2.5, which brings support for 16:9 wide-screen format, YUV processing and "make reference movies" to Apple's award-winning video editing, effects and compositing software.

"The new Final Cut Pro 1.2.5 running on a blazingly fast Power Mac G4 or a portable PowerBook is an industrial-strength digital video dream," said Philip Schiller, Apple's vice president

of Worldwide Product Marketing. "The new update of Final Cut Pro adds more power with 16:9 editing and YUV processing for professional movie makers in the studio and on the go."

Final Cut Pro 1.2.5 offers support for capturing, editing and exporting 16:9 media; YUV processing for preserving values of the original source material; and "make reference movies," which saves rendering time and disk space by minimizing file sizes and using "pointers" to source files. The features join the incredible lineup of enhancements found in Final Cut Pro 1.2, which include: Power Mac™ G4 Velocity Engine™ optimization; increased rendering speeds; improved batch capture; "JKL" keyboard commands; and support for PAL, the dominant video and broadcast standard in Europe.

Pricing and Availability Final Cut Pro 1.2.5 update will be available to existing customers next month as a free download from [www.apple.com/final-cutpro](http://www.apple.com/final-cutpro). The full version of Final Cut Pro 1.2 is available online through The Apple Store™ ([www.apple.com](http://www.apple.com)) and through Apple authorized resellers for US\$999. More informa-

tion on Final Cut Pro, including a list of qualified compatible hardware and software, can be found at [www.apple.com/finalcutpro](http://www.apple.com/finalcutpro).

Apple ignited the personal computer revolution in the 1970s with the Apple II and reinvented the personal computer in the 1980s with the Macintosh. Apple is committed to bringing the best personal computing experience to students, educators, creative professionals and consumers around the world through its innovative hardware, software and Internet offerings.

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**NOTE TO EDITORS:** For additional information visit Apple's PR website ([www.apple.com/pr/](http://www.apple.com/pr/)), or call Apple's Media Helpline at (408) 974-2042.

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Apple's Internet World  
Announcements  
April 5, 2000

by MacNN Staff

At Internet World today, Apple made several announcements regarding its QuickTime and Darwin technologies. QuickTime

Among these announcements was the quintessential downloads figure for QuickTime 4, which has topped 32 million. Additionally, Apple announced 10 new QTV channels, bringing the total number of QTV content providers up to more than 40.

The new QTV channels include: Beggar's Banquet Records, Caroline's Comedy Club, Cipher New Media,

Global Music Network from the UK, HyperTunez from France, IFILM, Oddcast, Pitch TV, Sony Music and ZDTV.

"QuickTime TV is the best entertainment network on the Internet," said Philip Schiller, Apple's vice president of Worldwide Product Marketing. "QTV now streams over 40 premium channels of music, video and news from leading content providers right onto your Mac or Windows desktop, for free."

QuickTime 4.1.1 was also released today, and can be obtained via the QuickTime Updater application found in the QuickTime 4 folder.

**Darwin & Darwin Streaming Server**

Apple also announced the release of Darwin 1.0, the company's advanced, open-source operating system core at the heart of Mac OS X, as well as an update to the Darwin Streaming Server.

The new Darwin kernel is based on FreeBSD and Mach 3.0 technologies and supports the Kernel Extension Developer Kit (KDK) for developing drivers and loadable modules. Tens of thousands of registered developers now have access to essential Mac OS X source code.

Furthermore, Darwin 1.0 is processor-independent, meaning that it can be used on both PowerPC and Intel-compatible platforms. Darwin 1.0 is available for immediate download or on CD for for \$20.

The Darwin Streaming Server, the open-source version of Apple's QuickTime Streaming Server software, has also been updated for Windows NT, expanding its support to five platforms. Mac OS, FreeBSD, Linux, and Solaris versions are also available. Darwin Streaming Server remains the only open source, standards-based and free Internet streaming server. The new version will be available in May.

Final Cut Pro gets hot with 'ICE'  
April 10, 2000

by Brad Gibson

Integrated Computing Engines has brought its high-performance hard-

ware and software solutions to Final Cut Pro with the announcement of Final Cut Pro 'On ICE', at the National Association of Broadcasters convention in Las Vegas, Nevada. Final Cut Pro 'On ICE,' is essentially an uncompressed editing and finishing solution that dramatically increases the speed of video editing by capturing footage in real-time. By combining Final Cut Pro with the Ultra BlueICE hardware, BlueICE SDI video card and ICE's software effects, editors and designers can have a total, uncompressed, real-time video editing solution for less than \$11,000.

ICE for Final Cut Pro is made up of four components combining both proprietary hardware and software. Ultra BlueICE and the BlueICE SDI Video Add-on Daughter Card are the hardware pieces that allow users to capture, edit and copy to tape in real-time. ICE'd Visual Effects enhances Final Cut Pro by adding over 50 ICE'd visual effects for adding transitions, color correction, blurs and light effects. ICE also bundles in another third-party product for 24-bit audio editing, Mark of the Unicorn (MOTU) hardware, a 24-bit digital audio recording system which allows for frame-accurate synchronization between audio and picture.

The MOTU system features eight balanced TRS analog in/out channels plus stereo AES/EBU, as well as the Digital Timepiece, a universal synchronizer for SMPTE, digital audio, and video systems. Together, MOTU's 1224 audio interface and Digital Timepiece synchronizer allow ICE users to transfer 24-bit, broadcast-quality digital audio in and out of their Final Cut Pro workstations.

The ICE hardware in Final Cut Pro 'On ICE' can be leveraged for other ICE'd applications such as Adobe After Effects on ICE for compositing, Media Cleaner Power Suite for compression, and a soon to be released version of Sonic Solutions' MPEG2 compression for DVD that uses ICE technology.

The Ultra edition of Final Cut Pro 'On ICE' lists for \$10,995 and is scheduled for release in June. Other configurations and upgrade pricing will be made available at a later date.





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Please list the five software  
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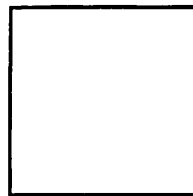
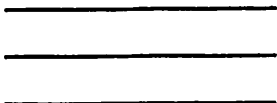
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