A2-Central Catalog

Get the books, software, and equipment you need from the warmth of your own computer room. **No handling fees** or extra charges for surface shipping on most items, even though we ship within 24 hours. To order, use the self-mailer that was in the envelope with your newsletter.

**June 1991**

**New Goodies**

**In the 1980s you learned AppleSoft from Softalk and Nibble.**

**In the 1990s you'll learn HyperTalk from Script-Central**

In the 1980s, AppleSoft was the universal language of Apple II users. Anyone could get a taste of it by using the manuals that came in the box with the computer. Anyone could become an expert at it by writing programs and following the great magazines like *Softalk* and *Nibble*. AppleSoft gave real people like you and me the power to make our computers do what we wanted them to do. In a day when only large organizations had computers and only computer scientists could write programs, AppleSoft was at the foundation of the personal computer revolution.

The AppleSoft of the 1990s is HyperTalk. HyperTalk is the programming, or 'scripting,' language built into Apple's new HyperCard Ilgs. Like AppleSoft, HyperTalk can be learned using the manuals that come in the box with HyperCard Ilgs. As with AppleSoft, you can become an expert by writing programs and by following *Script-Central*, our new 5.5-disk-based publication devoted exclusively to HyperCard Ilgs and HyperTalk.

Every other month *Script-Central* subscribers will receive two 3.5 disks holding that month's issue. *Script-Central* itself uses HyperCard Ilgs as its multi-media delivery vehicle. You'll start the stack holding our current issue and be computer-transported to the *Script-Central* building. Cars whizz by on the street out front.

You knock, the door opens, and you find yourself at the current issue's information desk. To the right is a door leading to our regular columns. To the left is an elevator that will take you to this issue's feature articles. Regular columns include the Scripter's Workshop, where you'll find a tool cabinet and drawers for scripts, buttons, sounds and xcommands, and the Radio Room, where you'll hear HyperCard Ilgs discussions from the online services. Other regular features include letters from readers, our own tips and tricks, and the amazing Rum-R-Matic rumor dispenser.

Each month we'll also present several feature stacks that are yours to keep. These stacks will be among the best stacks we find online or in our mailbox. (Yes, you can send us your stacks and if they're good we'll make you famous!)

We're high on HyperTalk because it gives real people like you and me the ability to write modern, desktop-based software. HyperTalk is a modern, 'object-oriented' language that's powerful and easy to use. If you're worried about the future, you should know that your HyperTalk scripts, except for xcommands, will run unchanged with HyperCard on a Macintosh. However, remember that the Macintosh version of HyperCard doesn't support color like HyperCard Ilgs does.

**Get a FREE Addison-Wesley book!**

**HyperCard Ilgs Script Language Guide**

**or HyperCard Stack Design**

**Special introductory offer expires July 1**

Subscribe today and take advantage of this special offer only for charter *Stack-Central* subscribers. We'll send you your choice of either the HyperCard Ilgs Script Language Guide or HyperCard Stack Design. These are high-quality, Apple-authored books published by Addison-Wesley. This special offer is only for charter subscribers and expires July 1, 1991.

**Subscription prices**

<table>
<thead>
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<th>1 year</th>
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<th>3 years</th>
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</thead>
<tbody>
<tr>
<td>$42</td>
<td>$81</td>
<td>$117</td>
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</table>

6 two-disk issues/year, requires HyperCard Ilgs

*Subscription prices include free A/P MAIL delivery world-wide. Your free book includes surface delivery.*

**Free Books, choose 1**

| 3M-034 | Apple HyperCard Stack Design | $16.95 |
| 3M-042 | Apple HyperCard Ilgs Script Language Guide | (separately) $23.99 |

**HyperCard Ilgs**

AP-002 HyperCard Ilgs

This package includes 6 disks and 3 books, including Getting Started with HyperCard Ilgs, HyperCard Ilgs Reference, and HyperTalk Beginner's Guide.

$99.00
The A2-Central Summer Conference

Prices rise June 1; call 913-469-6502

Conference presenters include Apple's Ralph Russo, Applied Engineering President Bob Carroll, Western Design Center President Bill Mensch, and Roger Wagner himself.

Kansas City
Tuesday – Sunday
July 16 to 21

Join us again this year in Kansas City for the THIRD annual A2-Central Summer Conference. This year's conference has expanded from our traditional two-day affair to six big days.

Developer Colleges
If you come for Tuesday and Wednesday's activities, you'll have your choice of one of four two-day developer colleges. One of these will be Apple's Apple iOS College, at which you'll learn the latest on extensions and improvements to iOS, including networking enhancements and FSTs. Another will be an introduction to Pascal programming at the Apple iOS, by Mike Westerfield, developer of the Orca series of development tools from The Byte Works. The third will be an introduction to C programming on the Apple iOS, by Walker Archer and Gary Morrison. The fourth will be an intensive look at authoring software with HyperStudio, which will be led by Roger Wagner. (Two-day seminars with the likes of Roger Wagner, lunch included, for $150? We've got to be kidding, right?)

KansasFest
If you come for Thursday and Friday's activities, you'll get what we've traditionally offered at our summer conference—two days packed with sessions about the Apple II. Apple itself will once again fully participate in this portion of our conference. A number of sessions will include engineers from Apple. Apple's Developer Technical Support team will once again be running a Bug-Busting room at the conference. Meet and discuss your problems with Apple's own gurus.

Appel Central Expo
And, at your request of previous attendees, if you come for Saturday and Sunday's activities, you'll spend your time at the Apple Central Expo, a two-day AppleFest-style show sponsored by Apple's Midwestern Region.

KansasFest sessions
Here are the sessions currently planned for this year's conference (but it's ALL subject to change up until the last nanosecond):

Keynote address
Roger Wagner: Why the Apple Igs is Such a Freakin' Great Machine

Apple's sessions
Ralph Russo & Jane Lee: To Be Announced
Mark Day, Greg Branch, Ron Lichty, Dave Lyons, Andy Nicholas: Apple II - What's New?
Rob Barnes: Software Marketing from an Evangelist's Point of View
Matt Deatherage: Developing and Debugging Apple II Software

Other sessions
Robert Carroll: Applied Engineering's Assessment of the Apple II Market
Bill Mensch: Introduction to the Mensch Computer
DreamWorld Software: Breaking the Super Iffies 16 Color Barrier
Bill Helman/Thot Trost/Leith Roath/Chris McNairy: Beginning Apple Igs Animation
Advanced Apple Igs Animation
Programming the Ensoniq in the Igs
Animation & Sound Laboratory
Bryan Pietrzak: Creating Desk Accessories
Randy Brandt: Stump the UltraMacros Author
Mike Westerfield: Two Doozen Dumb Orca Tricks
Roger Wagner: New Features in HyperStudio
Jeff Smith: Scripting with HyperStudio
Eric Mueller/Jay Jennings: Creating Commercial-ness HyperStudio Stacks
Steve Monroe: Artwork for non-artists

HangTime: Creating Sounds for Programs
Mark Collins: Fantastic Stuff
Marc Wolfgang/Mark Collins: Programming with Resources
Guy Forsythe/Randy Brandt: Selling Your Programs
J. Eric Bush: Advanced Applesoft Techniques
Guy Forsythe: AccuDraw, or why the Mac and Igs still get jealous of the Ile
Douglas Gump: AmperMacros
Chuck Kelly: Apple II Debugging Session
Jerry Kindall: Text Editor from Hell
Jerry Kindall: Document It Yourself
Albert Neuburger: Optimizing 65xxx Assembly Code
Albert Neuburger: Fast Math in Assembly Language
Paul Santa-Maria: Structured Assembly Language Preprocessor
It Martin: The Apple II, A Computer for Total Communication
Lane Roath: Creating Network/Modern Games
Brian Walker: The Networked Apple II
Phil Shapiro: Get it all using ProLine and Genie Email
TBA: HyperCard Igs XCMFs
TBA: Beginning HyperTalk Scripting
TBA: Advanced HyperTalk Scripting

Facilities
Bigger and better than ever, this year's summer conference, including the Apple Central Expo, will be held at a state-of-the-art conference facility owned by the National Office Machine Dealers Association (NOMDA) in Kansas City, Mo. This facility is within a serial cable's length of Avila College, where our conference has been held in the past and where, once again, we'll be able to provide dormitory rooms and meals to those who want to have the best time possible meeting and learning from other developers.

Make your plans to attend now: Whether you come for one day or six, we promise you'll enjoy the sessions you'll attend, the exhibits you'll see, and the people you'll meet.

You must register by June 1 to get the best prices. We have more rooms available at Avila than ever before. Consequently, this year we can offer private rooms. Or, if you prefer, choose double-occupancy and save some money. Avila's prices include evening and morning meals surrounding the nights of your stay. College and conference prices include lunch. Food will be an extra-cost option at the Apple Central Expo.

If you like, you can pay for the sessions only and make your own hotel and transportation arrangements. Or you can eat and stay at Avila for $30 a night ($40 for a private room). And, for $30 more, we'll arrange to have you met at the airport and brought directly to Avila and returned. This final option would cover ALL of your costs for the conference except airfare.

Registration Information

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<tr>
<th>Event</th>
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<tr>
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<td>June 1</td>
<td>$150</td>
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<tr>
<td>Conf 09: Pascal College</td>
<td>June 1</td>
<td>$175</td>
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<td>Conf 06: C College</td>
<td>June 1</td>
<td>$300</td>
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<tr>
<td>Conf 07: HyperStudio College</td>
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EXPO Apple Central Expo

<table>
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Accommodations

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<td>Airport/Avila round trip</td>
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<tr>
<td>AVILA-1 2 Meals, Private Room, per day</td>
<td>$40</td>
</tr>
<tr>
<td>AVILA-2 2 Meals, Double Room, per day</td>
<td>$30</td>
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</tbody>
</table>

Rooms at Avila include supper on the night of your stay and breakfast the next morning. You must indicate which nights you want to stay at Avila. Accommodations are not available before Monday the 13th or after Saturday the 20th.

Royal baseball rainchecks from last year have been cashed in for $50 tickets to Tuesday night's game with Toronto and 75 tickets for Wednesday night's game with Baltimore. Game time 7:35. Let us know if you want to go.

Travel Arrangements

DaySpring Travel of Overland Park will arrange your conference airfare and hotel reservations. Call and ask DaySpring about discounted air and rail fares and hotel rooms. Call DaySpring at 800-878-0211.

Exhibitors
This year you'll be able to reach 2,000 to 3,000 midwestern Apple users who will attend the Apple Central Expo on Saturday and Sunday, July 20 & 21. The exhibit floor will be open from 10 am to 6 pm both days, at the National Office Machine Dealers Association facility at 12411 Wornall Road, Kansas City, Mo. For more information on obtaining exhibit space or expo tickets contact Bob Berkowitz at Events Specialists, Inc.

Events Specialists, Inc.
17 Lilac Road
Sharon, MA 02067

800-955-6630
Voice: 617-784-4531  Fax: 617-784-5423
Subscriptions, Back Issues, Ordering Information

A2-Central

A2-Central (formerly Open-Apple) has been published monthly since January, 1985. Each issue contains 8 pages of articles, reviews, and other material of interest to Macintosh users. A2-Central back issues are available singly for $10 each or in quantities of 3 for $28. Each issue contains 8 pages of articles, reviews, and other material of interest to Macintosh users. A2-Central back issues are available singly for $10 each or in quantities of 3 for $28.

8/16-Central

8/16-Central (formerly B16) has been published every month since March, 1990. Each issue contains of one book, 3.5 disk, or 8 page newsletter. A2-Central back issues are available singly for $10 each or in quantities of 3 for $28. Each issue contains 8 pages of articles, reviews, and other material of interest to Macintosh users. A2-Central back issues are available singly for $10 each or in quantities of 3 for $28.

Hyperbole

Hyperbole has been produced every other month since February 1991. Unlike our other publications, Hyperbole isn’t about computers. It’s an eclectic hypermedia journal—a multimedia literature magazine. Hyperbole is stories, poetry and art and sounds. Hyperbole is a new publication that mixes literary art and hypermedia. In real life, Hyperbole’s creator and editor, Greg Roch, is associate artistic director of the Stages Repertory Theatre in Houston. Each subscription to Hyperbole includes Issue 0, a sampler that has a special version of HyperStudio on a that you can use to access subsequent issues. There’s no need to own HyperStudio. We’ll send you the sampler by itself for just $3. (A note to parents; unlike our other publications, but like all art magazines, the material in Hyperbole ranges from pg. to R-rated. Some selections are unsuitable for children.) Hyperbole back issues are $10 each.

Stack-Central

Stack-Central has been published every other month since February, 1990. Each issue consists of two book, 3.5 disks and includes a HyperStudio stack containing editor Terry Baker’s tips, tricks, and letters from readers for that month. Each issue also includes public domain and shareware stacks. Specific issues contain sounds, xmodem, and other material you can use on your own stacks. Stack-Central back issues are available for $10 each.

Script-Central

Script-Central will be published every other month beginning with July 1991. Each issue consists of two book, 3.5 disks and includes HyperCard stacks that help you write your own scripts. Edit the demo HyperCard stacks first. Stack-Central (formerly B16) has been designed to help you learn what you can do with HyperCard. Stack-Central back issues are available for $10 each.

Ordering Information

If you received this catalog in the envelope with our newsletter, there was also a one-sheet self-mailer in the envelope. Your name, address, expiration date, and account number are already imprinted on one side of the self-mailer—the other side you’ll find an order form. Please use it to order stuff from us. When you fold and lick the form as shown, our address will be on the outside and it will be ready to stamp and mail. Please don’t send us a photocopy of the form unless you photocopy both sides. If you received this catalog without a self-mailer, write your order on a plain sheet of paper and send it to:

A2-Central
P.O. Box 11250
Overland Park, KS 66207
or call us:
Voice: 913-469-5502
Fax: 913-469-5507

Resource-Central Disk Sampler

Latest issue of A2-Central, 8/16-Central, TimeOut-Central, Script-Central and the Stack-Central and Hyperbole sample disks.

Script-Central

Script-Central back issues are available for $10 each.

Hardware

Acceleration Prices Nosedive

Zip Technology has announced dramatic price reductions on its accelerators for the Ilgs. Our new price is 28 cent per longer than last month.

As part of its price-reduction announcement, Zip also redefined its product line. Zip no longer plans to release a single-chip Ilgs accelerator. Zip’s GS will be available in several versions, however, and with different cache size: 7, 8, 9, and 10 MHz. The cache sizes are 8K, 16K, and 32K. We will continue to sell the board we’ve had in the past, which we believe is the best combination for most people—8 MHz with a 16K cache.

Adding Zip’s card to your system speeds up everything you do on your Ilgs, from older Applelooks programs, to AppleWorks, to the latest desktop programs like HyperStudio and HyperCard Ilgs. Zip’s low-power design uses only 120ma of power—1/10th of other designs.

The Zip accelerator is DMA compatible (it’s compatible with all Ilgs hardware and software, in fact). It can be configured using either DIP switches or software on both, and includes a diagnostic LED. It comes with a manual, manual on disk, and desk accessories for configuration. It installs in either slot 3 or slot 4 with no need to disable your screen or mouse. It can be upgraded later to a higher speed or a bigger cache by returning it to Zip. They do the upgrade labor free and promise to ship your board back out within 48 hours.

8C-001 Zip 8MHz, 16K Accelerator $199.00
Back by popular demand

by Special Arrangement with Addison-Wesley and Apple Computer

Apple Ilgs Technical Library Set--$49.95

Plus: $10 off Toolbox Vol 3 & GS/OS Reference Manual!

Limited Time Offer--Available only through Resource Central!

Once again, subscribers to Resource Central publications can get all six books at the heart of the Apple Ilgs Technical Library—a $148.70 value—for just $49.95 plus postage.

The six books include:

- Technical Introduction to the Apple Ilgs
- Programmer's Intro to the Apple Ilgs
- Apple Ilgs Toolbox Reference, Volume I

These are the official Apple Ilgs manuals, which were written by Apple Computer and published by Addison-Wesley as part of its Apple Technical Library series.

A year ago we sold hundreds of these sets. If you bought a set last year or you buy a set this year, you're also entitled to the new Apple Ilgs Toolbox Reference, Vol III or the new Apple Ilgs GS/OS Reference for $10 off the regular price—additional savings of up to $20. This offer is available only from Resource Central and expires September 30, 1991.

Together, these eight books weigh nearly 25 pounds—over 11 kilograms. Please select your choice of shipping method and cost:

<table>
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<th>Shipping costs</th>
<th>AW-SET Apple Ilgs Library Set</th>
<th>AW-036 Apple Ilgs Toolbox Vol 3</th>
<th>AW-041 Apple Ilgs GS/OS Reference</th>
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<td>AW-SET</td>
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<td>AW-036</td>
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<tr>
<td>AW-041</td>
<td>$26.95 plus shipping</td>
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</table>

Script-Central

Or, get a FREE Addison-Wesley book

HyperCard Ilgs Script Language Guide

or

HyperCard Stack Design

Special introductory offer expires July 1

Subscribe today to our new publication for HyperCard Ilgs users, Script-Central, and take advantage of this special offer. We'll send you your choice of either the HyperCard Ilgs Script Language Guide or HyperCard Stack Design. These are high-quality, Apple-authored books published by Addison-Wesley. This special offer is only for charter subscribers and expires July 1, 1991.

Script-Central

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<td>$42</td>
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<td>$117</td>
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</tbody>
</table>

Free Books, choose 1

- AW-034 Apple: Hypercard Stack Design (separately $16.95)

HyperCard Ilgs

AF-002 HyperCard Ilgs $99.00

This package includes 6 disks and 3 books, including Getting Started with HyperCard Ilgs, HyperCard Ilgs Reference, and HyperTalk Beginner's Guide.

8/16-Central — Get a Job

Wanted

Apple II Programmers

Programming jobs for Apple II people are starting to come out of the woodwork. In 8/16-Central, the only publication for Apple II and Apple Ilgs programmers, we list job opportunities, as well as free ads from programming guns-for-hire, every month.

Besides job opportunities, 8/16-Central, gives you articles with working demos and source code on disk that you can freely adapt for your own programs. If you're gonna be a pro, you've got to read what the pros read.

8/16-Central

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<tr>
<td>$135</td>
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Subscription prices include free AIR MAIL delivery world-wide.
About this listing

Everything we carry doesn't fit in this catalog anymore, so we left out programming items this month. The date shown with each item indicates the catalog that has a longer description of the item. We give a full description the first time an item appears in the catalog.

### In General

#### A2-Central

- **A2-1** A2-Central 12 issues/yr, 8 pages 1 year $26.00
- **A2-2** An international clearinghouse of information for users of all 2 years $54.00
- **A2-3** types of Apple II. Best of Apple II Publication award. 3 years $78.00

#### A2-Central on disk

- **AD-1** A2-Central on disk 12 issues/yr, paper newsletter & 3.5 disk 1 year $84.00
- **AD-2** Our award-winning newsletter plus a monthly disk 2 years $162.00
- **AD-3** filled with the best stuff we find online and in our mailbox. 3 years $234.00

#### Hyperbole

- **HB-1** Hyperbole 6 issues/yr, 3.5 disk, requires lgs 1 year $42.00
- **HB-2** A multimedia artistic and literary journal on disk. 2 years $81.00
- **HB-3** There's nothing else like it anywhere! 3 years $117.00
- **HB-9181** Semiannual disk set (Feb/Apr/Jun 91) $20.00

#### Hyperbole Sampler disk (free with subscription) $3.00

### Books

- **CO-004** CompuShare: Your lgs Guide (591) $21.95
- **CO-003** CompuShare: GS/OS Guide (591) $9.95

### AppleWorks

#### Publications

- **TO-1** TimeOut-Central 6 issues/yr, 3.5 disk only 1 year $42.00
- **TO-2** Editor Randy Brandt of Beagle & UltraMacros fame gives you 2 years $61.00
- **TO-3** the latest AppleWorks & TimeOut tips, macros, and wares. 3 years $117.00
- **T0901** Semiannual disk set (Sep/Oct/Mar 91) $18.00

#### Books

- **BH-004** Wilkin: Best Book of AppleWorks (590) $21.95
- **BH-006** Aon: Using AppleWorks (Que) (650) $21.95
- **BH-001** Thomas: ClassWorks (888) $49.95

#### AppleWorks GS Books

- **MN-027** Brown: Using AppleWorks GS $19.95

### Patch programs

- **BB-004** Beagle AppleWorks 3.0 Companion (590) $39.95

### TimeOut UltraMacros

- **BB-005** TimeOut UltraMacros (AppleWorks 3.0) (1290) $49.95
- **BB-006** Munz: UltraMacros Primer (390) $19.95
- **BB-002** Ultra-AppleMacros (UltraMacros tutorial on 3.5 disk) (591) $19.95
- **BB-003** Ultra-AppleMacros (book, samples on 3.5 & 5.25) (591) $24.95
- **BB-006** MacroEase (requires UltraMacros 3.0) (1290) $34.95
- **BB-001** Ultra Awesome Macros (requires UltraMacros 3.0) (391) $19.95

### Enhancements

- **JE-010** TotalControl (AppleWorks 3.0) (701) NEW $49.95
- **JE-007** DoubleData (AppleWorks 3.0) (700) $30.00
- **JE-008** Outline 3.0 (AppleWorks 3.0) (900) $39.90
- **JE-005** Pathfinder (AppleWorks 3.0) (700) $20.00
- **JE-006** SpellCopy (AppleWorks 3.0) (700) $12.50
- **JE-001** FlexiCal (AppleWorks 2.x or 3.0) (700) $30.00
- **JE-004** Mr. Invoice (AppleWorks 3.0) (700) $40.00

### HyperMedia

#### Books

- **WN-042** Apple: HyperCard lgs Script Guide (391) $29.99
- **WN-034** HyperCard Stack Design (391) $16.95

#### HyperMedia software

- **WM-005** HyperStudio (for lgs) (1.90) $99.95
- **WM-009** HyperStudio Xcommands, Vol 1 (1.90) $39.95
- **DC-001** Nexus (for lgs) (1.90) $69.95
- **AP-002** HyperCard lgs (391) $99.00

#### Clip art

- **TV-007** HyperStudio Clip-Art, Vol 1 (1.90) $19.95
- **TV-011** HyperStudio Clip-Art, Vol 2 (1.90) $24.95
- **TV-002** ClipArt Plus (391) $39.95
- **DS-013** ClipVision 1.1 (391) $29.95

### Sound

- **SP-008** HyperStudio Clip-Sounds, Vol 1 (1.90) $19.95
- **TV-001** ClipTunes (2 disks) (391) $39.95
- **DS-012** ClipSounds (10 disks) (391) $59.95
- **DR-002** SYT/MA-100 speakers for the lgs 120 volts. Surface shipping to Canada or APO/FPO ads $20.00

### Fonts

- **FC-001** A2-Central Font Collection 8.3 disks of fonts in Shrinkwrap format $39.00

### OCR/Imaging/Graphics

#### Optical Character Recognition

- **W1-001** Inwords (512K enhanced lge or lgs) (391) $99.00

#### Imaging

- **V1-001** Quickie Scanner (10.90) $219.95
- **DV-001** B&W ComputerEyes Video Digitizer (lge) (12.90) $119.95
- **DV-002** Enhancement Software (12.90) $22.95
- **DV-003** lgs Support Software for B&W Computer Eyes (12.90) $22.95
- **DV-004** Color ComputerEyes Video Digitizer for B&W lgs (12.90) $219.95

#### Graphics

- **BB-007** Platinum Paint (for lgs) (391) $79.00
- **SH-003** Jason Harper's Super Convert (for lgs) (791) NEW $39.95
- **RM-004** Graphics Exchange (for lgs) (1.90) $39.00
- **RM-012** Desktop Screen Saver (391) $24.95
- **RT-001** Second Chance (image enhancement software, lgs) (1.90) $39.95

### Telecommunications

#### Bundles

- **CD-002** U.S. Modern Bundle (SC-001, CS-001, and 1 cable) ▼ $159.00
- **CD-003** Int'l Modern Bundle (SC-002-xx, CS-001, and 1 cable) ▼ $169.00

#### Modems

- **SC-001** Supra 2400 baud modem (110 volts) (1.90) $119.00
- **SC-002-AU** Supra 2400, Australian plug (220 volts) (9.90) $129.00
- **SC-002-MG** Supra 2400, German plug (220 volts) (9.90) $129.00
- **SC-002-UK** Supra 2400, British plug (220 volts) (9.90) $129.00
- **DC-008** Viva24m 2400 baud NNP 5 modem (110 volts) (391) $169.00

#### Cables

- **BC-001** 8' cable for lgs/Ilc-Plus (1.90) $15.00
- **BC-002** 8' cable for older Ilc (1.90) $15.00
- **BC-003** 8' cable for serial cards (1.90) $15.00

#### Telecommunications software
New Stuff

Resource Central 50 Meg Drive

This new hard drive is exactly like our 100 Meg (see May 91 catalog) except for two things, the size and the price. If you don't need all that space, you'll save $120 with this smaller drive.
A2-007 Resource Central 50 Meg $479.00*
*Surface shipping to Canada or APO/FPO addrs $10.00
*Surface shipping to other points outside US $20.00

TotalControl

Brand new from Randy Brandt's JEM software, this is the ultimate add-on package for the AppleWorks 3.0 database. TotalControl gives you mastery over the Data Base REVIEW/ADD/CHANGE module. You control minimum and maximum lengths and values for categories. Categories can be defined as text or numeric and can contain powerful formulas. Information can be imported from other Data Base and Spreadsheet files, giving relational capabilities to the Data Base. A special Apple-G command lets you pick entries from a pop-up list. And there's even more...
JE-010 TotalControl $49.95

Jason Harper's Super Convert

If you've used Jason Harper's shareware Convert, you'll know the basic idea here, but you won't believe the additions. Converts graphics from Pro Dos 8, Mac, MS-DOS, Atari ST, Amiga, Commodore 64/128, GIF, TIFF, RLE, IPI, and QRT formats to Apple lgs formats. Also prints images, does image enhancements, and explains how to get professional quality slides of your lgs screens.
SH-003 Super Convert $39.95

Chaos in the Laboratory

This is David Vernier's sequel to How to Build a Better Mousetrap, which many of you have purchased from us. It's a book of science projects based on Apple II computers (even the II-Plus!). The title project shows you how to use an Apple II to study chaotic behavior. Other projects include a temperature probe, Ato-B converter, light meter, colorimeter, barometer/pressure sensor, magnetic field sensor, smart battery charger, digitized sound, stepper motors, the speed of sound, and an ultrasonic range finder. The book gives step-by-step instructions on how to build each project, tells where to get parts, and includes two 5.25 disks with the software necessary to complete the projects.
VS-002 Chaos in the Laboratory $25.95

Build Your Own Laser Printer

This book is an expanded update of a Computer Shopper feature titled 'Boys! Giant Laser Writers In Your Basement'. As he explains the laser printer construction process, the author provides a complete education in current laser printer technology -- including what kinds are available, how they operate, what parts they use, and where to buy components at the best possible prices. Includes complete information on making your printer PostScript and AppleTalk compatible.
TB-012 Build Your Own Laser Printer $16.95

BASIC Help

Now you can get help as you write an Applesoft program. Just type 'HELP' at the Applesoft prompt and BASIC Help will provide you with an online manual for Applesoft and ProDos. Includes command syntax, information on math and logical operations, error messages, and peek and poke and call locations.
Written by a teacher who uses the program to teach Applesoft to high school students interactively. BASIC Help would be great for anyone trying to teach themselves Applesoft. Also useful for those of us who know our manual is somewhere nearby but can't figure out exactly where.
TB-002 BASIC Help $29.95

256K RAM chips

We don't sell anything that actually uses these chips, but we're continually getting calls from people who have partially filled Apple memory cards in their lgs computers. Apple's cards can be used in the piggyback connector of CVTech's GS-Memory card, but they have to be filled to the full 1-Meg limit first. Count how many empty sockets you have on your Apple card and we'll help you fill them. Sold in sets of 8 chips.
DRAM-256 8 256K RAM chips $25.00

Macintosh 1 Meg SIMMs

OK, we know a lot of you out there also have Macintoshes, but we won't tell. Have you tried System 7 yet? It has lots of great features, but if your Mac is like ours you won't have enough memory left after starting up to run anything but the Finder. If you know how to get inside your Mac, slip a couple of these in and end your shortage.
SIMM-1 1-Meg SIMM for Macintoshes $70.00

Ile/Iic Programming

Igs Programming

Sorry, no room this month. See next month or April 1991

Hard Disk Drives

Hard drive books
CO-001 CompuShare: Hard Drive Guide (9/6) $14.95
NA-002 Apple Hard Disk Primer (9/6) $16.95

Internal hard drives (include SCSI card)
CT-CD20 CVTech 20-meg internal hard drive (5/9) $695.00
CT-CD40 CVTech 40-meg internal hard drive (5/9) $845.00

External hard drives (require SCSI card)
A2-007 Resource Central 50 Meg (7/9) $479.00*
A2-005 Resource Central 100 Meg (7/9) $999.00*
A2-006 Resource Central 42 Meg Removable Media (5/9) $699.00*
DC-007 extra cartridges for 42 Meg drive (5/9) $99.00
* Surface shipping to Canada or APO/FPO addrs $10.00
* Surface shipping to other points outside U.S. $20.00

SCSI cards
AP-001 Apple High-Speed SCSI card (5/9) $119.00
CT-SC CVTech SCSI card (5/9) $129.00
CV-001 Rainbow SCSI card (5/9) $209.00

Disk management utilities
CH-001 Chinook Utilities for Apple SCSI cards (1/90) $30.00

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Memory Expansion Cards

Lgs memory expansion slot cards

Chinook (5/90) CVTech (3/91) Cirtech (9/90)
RAM 4000 GS-Memory Prime
OK (empty) $94.00 $99.00 $105.00
1 Megabyte $164.00 $169.00 $175.00
2 Megabytes $234.00 $239.00 $245.00
3 Megabytes not available
4 Megabytes $374.00 $379.00 $385.00

Standard slot cards for lgs or Iicgs

PR-16-1 Cirtach PR-16, 1 Meg, expands to 4 meg (8/9) $439.00
SD-4 Cirtach StatDisk, 512k (8/10) $399.00
SD-0-1 1 Meg (8/10) $499.00

Memory chips

DRAM-256 Set of 8 256K chips for standard memory cards (10/8) NEW $25.00
DRAM-1 Set of 8 1-meg chips for standard memory cards (10/8) NEW $70.00
SIMM-1 1-meg SIMM for Macintosh (System 7 needs lots of RAM) (9/90) NEW $70.00
SIMM-32 Set of 2 chips for StatDisk (6/94) $30.00

---
## Ordering Information

**Call us!** Voice: 913-469-6502

**Fax:** 913-469-6507

### Ordering Information

If you received this catalog in the envelope with one of our publications, there was also a one-sheet self-mailer in the envelope. Your name, address, expiration date, and account number are already imprinted on one side of the self-mailer—on the other side you'll find an order form. Please don't send us a photocopy of the form unless you photocopy both sides.

If you received this catalog without a self-mailer, write your order on a plain sheet of paper and send it to:

**Resource Central, Inc.**
P.O. Box 11250
Overland Park, KS 66207
913-469-6502 fax:913-469-6507

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## AppleTalk Networks

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<tr>
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<tr>
<td>IN-002</td>
<td>Hands on AppleTalk</td>
<td>(3/90)</td>
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<tr>
<td>AM-030</td>
<td>Apple: Understanding Computer Networks</td>
<td>(3/90)</td>
<td>$9.95</td>
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<td>AM-031</td>
<td>Apple: AppleTalk Network System Overview</td>
<td>(3/90)</td>
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<td>Apple: Inside AppleTalk</td>
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<td>ModuNet 8-pin for Ile, igls, new Macs</td>
<td>(3/90)</td>
<td>$34.95</td>
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<tr>
<td>OB-002</td>
<td>9-pin for old LaserWriters, old Macs</td>
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## Printers

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<tr>
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<td>Apple: LaserWriter Technical Reference</td>
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<tr>
<td>AM-025</td>
<td>Apple: LaserWriter LQ Technical Reference</td>
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<td>AM-026</td>
<td>Apple: LaserWriter Reference</td>
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<td>TB-012</td>
<td>LaserBuilder: Build Your Own Laser Printer</td>
<td>(7/91)</td>
<td>NEW $16.95</td>
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<td>SV-003</td>
<td>Campbell: The RS-232 Solution, 2nd Ed</td>
<td>(6/88)</td>
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<td>CP-001</td>
<td>Last Handbook of Printer Commands (3 vols)</td>
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<td>SH-002</td>
<td>Seven Hills: Independence</td>
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<td>VZ-006</td>
<td>Vitesse: Harmony Printer/Parallel Card Drivers</td>
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<td>HS-004</td>
<td>SAMS Computerfacts: ImageWriter I</td>
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<td>HS-008</td>
<td>SAMS Computerfacts: ImageWriter II</td>
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<td>LC-001</td>
<td>Laser 190A ImageWriter-compatible serial printer</td>
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<td>$249.00</td>
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<td>LC-003</td>
<td>Laser 190A ImageWriter-compatible parallel printer</td>
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<td>LC-006</td>
<td>tractor feed attachment</td>
<td>(1/90)</td>
<td>$59.95</td>
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<tr>
<td>LC-007</td>
<td>5 ribbons (f/ Laser 190A, Epson LX-80/80 &amp; Olympia NP30 only)</td>
<td>(1/90)</td>
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<th>Cables</th>
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<tr>
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<td>8 cable for Igls/Le-Plus</td>
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<td>8 cable for older Le</td>
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<td>8 cable for serial cards</td>
<td>(1/90)</td>
<td>$15.00</td>
</tr>
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<td></td>
<td>120 volts. Surface shipping to Canada or APO/FPO add</td>
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## Other Peripherals

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<tr>
<td>SC-001</td>
<td>Zip GSX Accelerator for Igls</td>
<td>(3/91)</td>
<td>▼ $199.00</td>
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</tbody>
</table>

### Batteries

| NO-001                | Nite Owl Slide-On Battery Kit for Igls | (3/90) | $14.95       |

### 3.5 Disks and Drives

| AM-001                | AIIK 3.5 drive | (1/90) | $189.00       |
| AM-002                | Laser 3.5 drive controller for Le | (1/90) | $59.00       |
| AII-001               | 10 generic, blank 3.5 disks | (4/90) | $9.45        |
| AII-002               | 100 blank, continuous labels for 3.5 disks | (4/90) | $1.99        |
| AII-003               | 10 Static-Guard binder storage pages for 3.5 disks | (4/90) | $9.97        |

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## Other Topics

### Fans

| CFAN-002              | CRTECH Cool II fan for Apple Ile | (1/90) | $49.00       |
| CFAN-003              | CRTECH Cool II fan for Apple Igls | (1/90) | $49.00       |

### Math Coprocessors

| IS-001                | Floating Point Engine | (4/90) | $249.00       |

### Monitors

| DC-003                | Magnavox RGB Monitor for Igls | (9/90) | $319.00       |
| DC-005                | Igls RGB cable for Magnavox monitor | (9/90) | $23.00       |

**Other**

<table>
<thead>
<tr>
<th>Desk accessories</th>
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<tbody>
<tr>
<td>SS-008</td>
<td>Desk Equip. (Igls NDA collection)</td>
<td>(11/90)</td>
<td>$15.00</td>
</tr>
<tr>
<td>SH-001</td>
<td>Disk Access (disk management NDA)</td>
<td>(11/90)</td>
<td>$30.00</td>
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<tr>
<td>RW-012</td>
<td>Desktop Screen Saver</td>
<td>(3/91)</td>
<td>$24.95</td>
</tr>
<tr>
<td>RM-010</td>
<td>Desktop Files Control (disk management NDA)</td>
<td>(11/90)</td>
<td>$24.00</td>
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<tr>
<td>RW-003</td>
<td>SoftSwitch (program switcher for Igls)</td>
<td>(9/90)</td>
<td>$45.00</td>
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<tr>
<td>RW-006</td>
<td>MacroMate (universal macros for Igls)</td>
<td>(9/90)</td>
<td>$37.50</td>
</tr>
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</table>

### Desktop Publishing

| WG-001                | White: Graphic Design for the Electronic Age | (3/90) | $24.95       |

### Education

| DR-001                | Diversi-Tune (for Igls) | (1/90) | $59.00       |
| SB-001                | GSNumbers (for Igls) | (4/90)  | $79.95       |
| NM-013                | Snyder: In Search of the Most Amazing Thing | (6/90) | $10.95       |
| TB-001                | Weishaar: Your Best Interest | (6/90) | $9.95       |
| VS-001                | Vernier: Build a Better Mousetrap | (7/90) | $24.95       |
| VS-002                | Vernier: Chaos in the Laboratory | (7/91) | NEW $25.95    |
| TB-003                | Fallino et al: Science On Your Apple | (6/91) | $14.95       |
| TB-004                | Horn: Smart Apples | (6/91) | $12.95       |

### Games

| JX-002                | I.O. Silver (5.35 only) | (7/90) | $20.00       |
| NO-003                | Wraith: Devil's Descent (3.5 only) | (9/90) | $12.95       |
| TB-010                | Bouncing Blaster II (requires Igs) | (5/90) | $59.00       |
| TB-011                | Space Ship (requires Igls) | (5/90) | $49.00       |

### Troubleshooting and Repair

| HS-005                | SAMS Computerfacts: Ile | (8/88) | $39.95       |
| HS-006                | SAMS Computerfacts: Disk II | (8/88) | $24.95       |

### Other

| IN-001                | Day: The Hacker (novel) | (3/90) | $3.95       |
| AB-003                | Apple II Guide | (3/91) | $4.00       |
| SE-002                | DB Master Programmer's Pak | (5/90) | $129.00      |
| SS-006                | Cross-Works (ProDOS ↔ MS-DOS) | (4/90) | $79.95       |
| TB-009                | Photonix II (requires Igs) | (5/91) | $45.00       |
| NO-002                | Night Owl Journal 3.5 | (9/90) | $12.95       |
| PO-001                | Fastdata Pro (full-text search utility) | (3/90) | $29.95       |

Fastdata Pro is normally $49.95. This price expires August 1, 1991.
Desktop Publishing

A couple of months ago we hired the editor of the local Apple user group’s newsletter, Ellen Rosenberg, to help us out around here. Ellen is a prolific user of Publish It, which is the best-selling desktop publishing software for the Apple II. When TimeWorks announced a new version, Publish It 4, Ellen said we ought to carry it. So we are.

Publish It runs under ProDOS 8. You can use it with an enhanced Apple Ile, a llic or Iic-Plus, a Iglgs, or a Laser computer. You can type text directly into the program using its built-in word processor or you can directly import text files or AppleWorks or Bank Street Writer word processor files. With version 4 you can also export the text you’ve typed into Publish It for use in other programs. You can create graphics using Publish It’s built-in graphic toolbox (draw lines, boxes, circles, rules, and borders; leave them empty or fill them with built-in patterns, patterns of your own design, or colors). Or you can import any single-high, double-high, or super-high resolution graphic, including new PrintShop, PrintShop GS, and PrintShop or Newsroom graphics on DOS 3.3 disks.

Even though it’s a ProDOS 8 program, Publish It uses Apple’s desktop interface, just like the Apple Iglgs or a Macintosh. You see how your finished document will look on your computer screen. You can use the program’s built-in layout tools to overlap, reposition, and resize elements on the page. You have the power to easily change a layout or to experiment with alternative page layouts. Once your pages look the way you want them to, you can print them on your dot matrix or laser printer. Supported printers include all printers commonly used with Apple Iglgs, including color lines from Apple, Epson, Gemini, and Okidata, all PostScript printers, and all printers compatible with one of these. The new version 4 also supports Hewlett-Packard DeskJet and LaserJet printers. Or you can print to a PostScript file that you can take to a typesetting service bureau for the highest-quality output.

You use the mouse to position page elements where you want them. You can reposition and resize text and graphics. You can easily align objects. Transparent text boxes allow you to overlap text or graphics. Or text can be automatically wrapped around graphics. Text can be automatically centered or it can be aligned on the right, the left, or both the right and left (full justification). The new version 4 includes automatic hyphenation. This means Publish It figures out where to hyphenate words at the end of lines. Hyphenation creates better looking documents with less jagged margins or, with full justification, smaller spaces between words.

Text boxes can be linked so that text flows from column to column and from page to page. With version 4, you can save templates of commonly used layouts. While the program requires at least 128K of memory, it will use as much memory as you allow up to all the memory you have available. This lets you create larger documents. You can also limit the amount of available memory used by Publish It, which means you can use a program like SoftSwitch on an Apple Iglgs to run both Publish It and AppleWorks at the same time.

Tw-001 Publish It 4 $119.95

Back by popular demand
by Special Arrangement with Addison-Wesley and Apple Computer

Apple Iglgs Technical Library Set--$49.95

Plus: $10 off Toolbox Vol 3 & GS/OS Reference Manual!

Limited Time Offer--Available only through Resource Central!

Once again, subscribers to Resource Central publications can get all six books at the heart of the Apple Iglgs Technical Library—a $148.70 value—for just $49.95 plus postage.

The six books include:

Programmer’s Intro to the Apple Iglgs Apple Iglgs Hardware Reference Manual
Apple Iglgs Toolbox Reference, Volume I Apple Iglgs Toolbox Reference, Volume II

These are the official manuals written by Apple Computer and published by Addison-Wesley as part of the Apple Technical Library series.

A year ago we sold hundreds of these sets. If you bought a set last year or if you buy a set this year, you’re also entitled to buy the new Apple Iglgs Toolbox Reference, Vol III or the new Apple Iglgs GS/OS Reference for $10 off the regular price — an additional savings of up to $20. This offer is available only from Resource Central and expires September 31, 1991.

Together, these eight books weigh nearly 25 pounds—over 11 kilograms. Please select your choice of shipping method and cost:

AW-SET Apple Iglgs Library Set $148.70
AW-036 Apple Iglgs Toolbox Vol 3 $39.95
AW-041 Apple Iglgs GS/OS Reference $26.95

Shipping costs:

Surface Shipping AW-SET AW-036 AW-041
U.S. (4th Class Book Rate) $7.00 free free
Canada $10.00 $2.00 $1.00
Elsewhere $11.50 $3.00 $1.00

AIRMAIL U.S. (First Class, use for APO/FFPO)
Canada $15.00 $7.00 $4.00
Central & South America, Caribbean $26.00 $17.00 $10.00
Europe $64.00 $29.00 $17.00
Elsewhere $91.00 $41.00 $23.00

About this listing

Everything we carry doesn't fit in this catalog anymore, so we left out the stuff at the end of the list this month. The date shown with each item indicates the catalog that has a longer description of the item. We give a full description the first time an item appears in the catalog.
**New Stuff**

**Fantasy Football Management System**

Fantasy football is a seasonal event that coincides directly with National Football League’s 17-week season. Armchair quarterbacks draft teams from among professional players and decide who to play each week. Players score points based upon their performance in actual NFL games. The *Elite Fantasy Football System* gives you everything you need to run a fantasy football league on your Apple II using AppleWorks. *Publish It*, and your favorite telecommunications software. (Also shows you how to run a league without some or all of these.) You are the league commissioner and run your league the way you want to. Includes a big, thick manual that covers everything from recruiting teams to scripts for your League Hotline.

You also get AppleWorks templates (rules, schedules, standings, a complete NFL players database, and more) for coordinating the league. *Publish It* templates for a league newsletter, and communications macros for capturing statistics with most popular Apple II telecom software. There’s lots to learn here, so if you’d like to run a league this fall, get the package and start honing up now.

**Writer’s Management System**

*Writeworks* began when its author, John H. Hopkins, started exploring ways that software could help him with his free-lance writing. He says he became fascinated with the potential of "writing" (as opposed to "word processing") programs—programs that let you gather, organize, evaluate and integrate information and references in an "automated" way that wouldn’t be possible without a computer.

He bought several of these programs and tried working with them. They all seemed to be designed primarily for academic writing. Besides, he missed Appleworks! He wanted a desktop with his personal files as well as his current project only a keystroke away.

So he began designing Appleworks templates that would give him the capacity to manage information for non-fiction writing. The end result is *Writeworks*, a "writing system" built upon AppleWorks templates that help you set your goals and define your project, create an outline and fill it with notes, and organize references.

*Writeworks* should prove useful for teachers and students as well as professional and aspiring writers.

**6502 assembly language**

**Ile/Ilc Programming**

**Modems**

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**Cables**

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<td>RS1</td>
<td>8/16-Central 12 issues/yr, 3.5 disc only</td>
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<tr>
<td>RS2</td>
<td>The premier publication for Apple II programmers</td>
<td>$135.00</td>
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<tr>
<td>RS3</td>
<td>Articles with demos and on-disc source code you can use</td>
<td>$198.00</td>
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<tr>
<td>RS9031</td>
<td>Quarterly disc set (Mar/Apr/May 90)</td>
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<td>Quarterly disc set (Dec-Jan/Feb 91)</td>
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<tr>
<td>RS9035</td>
<td>Annual disc set (Mar 90 to Feb 91)</td>
<td>$54.00</td>
</tr>
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</table>

**Applesoft books**

<table>
<thead>
<tr>
<th>Title</th>
<th>Author</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>AM-040</td>
<td>Critchfield/Dwyer: Bit of Applesoft</td>
<td>$9.95</td>
</tr>
<tr>
<td>AM-056</td>
<td>Myer: Graphics for the Apple B</td>
<td>$9.95</td>
</tr>
<tr>
<td>AM-015</td>
<td>Apple: Applesoft Tutorial</td>
<td>$29.95</td>
</tr>
<tr>
<td>AM-021</td>
<td>Apple: Applesoft Programmer’s Reference</td>
<td>$22.95</td>
</tr>
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**Applesoft development tools**

<table>
<thead>
<tr>
<th>Title</th>
<th>Publisher</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>BB-003</td>
<td>Program Writer (Applesoft program editor)</td>
<td>$37.50</td>
</tr>
<tr>
<td>BB-002</td>
<td>Beagle Compiler (ProDOS Applesoft compiler)</td>
<td>$59.00</td>
</tr>
<tr>
<td>MS-001</td>
<td>MD-Basic (Applesoft pre-compiler)</td>
<td>$49.95</td>
</tr>
<tr>
<td>MS-002</td>
<td>Basic Help (Online Reference &amp; Help)</td>
<td>$49.95</td>
</tr>
</tbody>
</table>

**Other languages**

<table>
<thead>
<tr>
<th>Title</th>
<th>Author</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>AN-037</td>
<td>Seiter/Weiss: Pascal for Basic Programs</td>
<td>$12.95</td>
</tr>
<tr>
<td>NS-002</td>
<td>Nico Basic Advanced Basic For Ile/Ilc</td>
<td>$19.00</td>
</tr>
</tbody>
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**ProDOS 8**

<table>
<thead>
<tr>
<th>Title</th>
<th>Price</th>
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<tbody>
<tr>
<td>AM-024</td>
<td>Apple: BASIC Programming with ProDOS</td>
</tr>
<tr>
<td>AM-023</td>
<td>Apple: ProDOS 8 Tech Ref</td>
</tr>
<tr>
<td>TB-006</td>
<td>Dom/Weshaar: ProDOS Inside and Out</td>
</tr>
<tr>
<td>DB-002</td>
<td>ProDOS disk for this book</td>
</tr>
</tbody>
</table>

**Technical references**

<table>
<thead>
<tr>
<th>Title</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>QS-002</td>
<td>Sather: Understanding the Apple II</td>
</tr>
<tr>
<td>QS-003</td>
<td>Sather: Understanding the Apple B</td>
</tr>
<tr>
<td>AM-003</td>
<td>Apple: Apple II Technical Reference</td>
</tr>
<tr>
<td>AM-004</td>
<td>Apple: Apple Ile Technical Reference</td>
</tr>
<tr>
<td>LC-005</td>
<td>Laser: Laser 128 Technical Reference</td>
</tr>
</tbody>
</table>

**6502 assembly language**

<table>
<thead>
<tr>
<th>Title</th>
<th>Author</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>PD-001</td>
<td>ProDev 6502 Debugger for Ile/Igs</td>
<td>$189.00</td>
</tr>
<tr>
<td>JW-001</td>
<td>Wagner: Assembly Lines: The Book</td>
<td>$19.95</td>
</tr>
<tr>
<td>DS-004</td>
<td>disk for this book</td>
<td>$15.95</td>
</tr>
<tr>
<td>MI-007</td>
<td>Leventhal: 6502 Programming</td>
<td>$19.95</td>
</tr>
<tr>
<td>MD-002</td>
<td>Object Module Manager (Morgan Davis memory mgr)</td>
<td>$24.95</td>
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</tbody>
</table>

**Illgs Programming**

**Technical manuals**

<table>
<thead>
<tr>
<th>Title</th>
<th>Author</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>AN-017</td>
<td>Little: Exploring the Apple Ilgs</td>
<td>$22.95</td>
</tr>
<tr>
<td>DS-007</td>
<td>disk for this book (3.5)</td>
<td>$20.00</td>
</tr>
<tr>
<td>AM-018</td>
<td>Apple: Technical Introduction to the Apple Ilgs</td>
<td>$9.95</td>
</tr>
<tr>
<td>AN-011</td>
<td>Apple Programmer’s Intro to Ilgs</td>
<td>$32.95</td>
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**Toolbox manuals**

<table>
<thead>
<tr>
<th>Title</th>
<th>Author</th>
<th>Price</th>
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<tbody>
<tr>
<td>CB-005</td>
<td>Gookin/Davis: Mastering the Ile Toolbox</td>
<td>$19.95</td>
</tr>
<tr>
<td>CB-007</td>
<td>Gookin/Davis: Advanced Tech for Ile Toolbox</td>
<td>$19.95</td>
</tr>
<tr>
<td>AM-019</td>
<td>Apple: Apple Ilgs Toolbox Reference, Vol 1</td>
<td>$26.95</td>
</tr>
<tr>
<td>AM-006</td>
<td>Apple: Apple Ilgs Toolbox Reference, Vol 2</td>
<td>$26.95</td>
</tr>
<tr>
<td>AM-036</td>
<td>Apple: Apple Ilgs Toolbox Reference, Vol 3</td>
<td>$26.95</td>
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</table>

**Technical references**

<table>
<thead>
<tr>
<th>Title</th>
<th>Author</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>MI-001</td>
<td>Fischer: Apple Ilgs Tech Ref</td>
<td>$24.95</td>
</tr>
<tr>
<td>AM-022</td>
<td>Apple: Apple Ilgs Firmware Reference</td>
<td>$24.95</td>
</tr>
<tr>
<td>AM-002</td>
<td>Apple: Apple Ilgs Hardware Reference</td>
<td>$26.95</td>
</tr>
<tr>
<td>AM-001</td>
<td>Apple: Apple Numerics Reference (new edition)</td>
<td>$29.95</td>
</tr>
<tr>
<td>AM-014</td>
<td>Apple: Human Interface Guidelines</td>
<td>$14.95</td>
</tr>
</tbody>
</table>

**GS/QS**

<table>
<thead>
<tr>
<th>Title</th>
<th>Author</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>AM-024</td>
<td>Little: Exploring Apple GS/QS and ProDOS 8</td>
<td>$21.95</td>
</tr>
<tr>
<td>DS-006</td>
<td>disk for this book (3.5)</td>
<td>$15.00</td>
</tr>
<tr>
<td>AM-041</td>
<td>Apple: Apple GS/QS Reference</td>
<td>$28.95</td>
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</table>

**Universal development tools**

<table>
<thead>
<tr>
<th>Title</th>
<th>Author</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>SS-007</td>
<td>Genesis (GS/QS Resource Creator/Editor)</td>
<td>$90.00</td>
</tr>
<tr>
<td>BM-006</td>
<td>Design Master (GS/QS Resource Creator)</td>
<td>$57.00</td>
</tr>
<tr>
<td>AM-033</td>
<td>Programmer’s Online Companion for the Ilgs</td>
<td>$37.50</td>
</tr>
<tr>
<td>SS-009</td>
<td>Edit-16 AFW/ORCA/ Merlin replacement editor</td>
<td>$49.95</td>
</tr>
<tr>
<td>JE-009</td>
<td>Rose-16 AFW replacement editor</td>
<td>$15.00</td>
</tr>
</tbody>
</table>
Assembly language tools

Assemblers
- BM-002 Merlin 8/16 (DOS 3.3, ProDOS 8, GS/OS) ($99.00)
- BM-005 ORCA/Am Assembler ($42.00)
- BM-006 Merlin to Orca Source Converter ($18.00)

Disassemblers
- BM-007 ORCA Disassembler ($30.00)

Debuggers
- PD-002 ProDev 65816 Debugger for Ilgs ($189.00)

Books (also see 6502 assembly language)
- CB-002 Wagner: Ilgs Machine Lang for Beginners ($19.95)
- DB-005 disk for this book (3.5) ($15.95)
- DS-005 Lichly/Eyce: Programming the Ilgs in Asm Lang ($29.95)
- DS-006 disk for this book for APW ($20.00)
- DS-099 disk for this book for Merlin ($110.00)
- DS-101 disk for this book for ORCA/C ($110.00)

High-level language tools

HyperTalk
- AP-002 HyperCard Ilgs ($99.00)

Pascal
- BM-001 ORCA/Pascal ($90.00)
- BM-002 Byte Works Learn to Program in Pascal Tutorial ($50.00)

C
- BM-003 ORCA/C ($90.00)
- BM-004 Byte Works Learn to Program in C Tutorial ($50.00)

BASIC
- MS-001 Nicol Advanced BASIC for Ilgs ($99.00)

Hard drive books

- CO-003 CompuShare: Hard Drive Guide ($14.95)
- NA-002 Apple Hard Disk Primer ($16.95)

Internal hard drives (include SCSI card)
- CT-CD20 CIRCITech 20-meg internal hard drive ($695.00)
- CT-CD40 CIRCITech 40-meg internal hard drive ($845.00)

External hard drives (require SCSI card)
- A2-007 Resource Central 30 Meg ($479.00)
- A2-005 Resource Central 10 Meg ($599.00)
- A2-006 Resource Central 42 Meg Removable Media ($699.00)
- DC-007 extra cartridges for 42 Meg drive ($99.00)
- Surface shipping to Canada or APO/FPO ads ($10.00)
- Surface shipping to other points outside U.S. ($20.00)

SCSI cards
- AP-001 Apple High-Speed SCSI card ($119.00)
- CT-SC CIRCITech SCSI card ($129.00)
- CV-001 RANFAST SCSI card ($209.00)

Disk management utilities

- CH-001 Chinook Utilities for Apple Ilgs cards ($30.00)
- GB-002 ProSel 8 (for Ilgs, includes ProSel 8 features) ($85.00)
- V1-002 Salvation: Guardian (Backup Utility) ($37.00)
- V1-003 Salvation: Renaissance (Optimization Utility) ($37.00)
- V1-004 Salvation: Exorciser (Virus exterminator) ($34.00)
- V1-005 Salvation: Wings (Program selector) ($59.00)
- V1-007 Salvation Deliverance (Fix/edit disks) ($37.00)

Hard drive parts

- DC-001 Leadman case: 120 or 220V, 60W ($124.00)
- DC-004 SCSI cable, Seagate drive to SCSI card ($30.00)
- DC-002 Seagate ST-29916-1 80meg SCSI assembly ($519.00)
- Surface shipping to Canada or APO/FPO ads ($25.00)
- Surface shipping to other points outside U.S. ($30.00)

Memory Expansion Cards

- Chinook (5/90) $94.00
- CVTech (3/91) $99.00
- Cicretich (9/90) $99.00

Standard slot cards for Ile or Ilgs

- PR-001 Cicretich PR-16. 1 Meg. expands to 4 meg ($439.00)
- SD-4 Cicretich StatDisk. 512k (Battery backed-up static) ($389.00)
- SD-8 1 Meg RAMdisk. fast. quiet. extremely reliable ($699.00)

Memory chips

- DRAM-256 Set of 8 256K chips for standard memory cards ($25.00)
- DRAM-1 Set of 8 1-meg chips for standard memory cards ($70.00)
- SIMM-1 1-meg SIMM for Macintosh (System 7 needs lots of RAM) ($70.00)
- SRAM-32 Set of 2 chips for StatDisk (64K) ($30.00)

AppleTalk Networks

Printers

Other Peripherals

Other Topics

Sorry, no room this month. See last month's catalog.
Resource Central Catalog

Get the books, software, and equipment you need from the warmth of your own computer room. No handling fees or extra charges for surface shipping on most items, even though we ship within 24 hours. To order, use the self-mailer that was in the envelope with your publication.

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Summer Conference Tapes

A2-Central Summer Conference Tapes

Only $4 per tape!

(Fine print: sold only in sets of 3 or more)

Sorry Bobo, you’ve already missed the best part of our summer conference (staying up all night in the Avila dorms). However, you can still hear the sessions you missed. This year we also have the handouts for most of the sessions, which we’ll send along with your tape. This year we’re offering these tapes for just $4 apiece, however, you must order at least three. (Session descriptions are from our conference schedule.)

---

Multimedia

New Horizons For The Apple Ilgs

Roger Wagner’s keynote address to the conference. Wagner will discuss developer opportunities in multimedia while demonstrating the best of current multimedia platform technologies.

ATI-01 Roger Wagner

New HyperCard Market -- HyperCard Ilgs

Big returns on small investments. Get detailed technical information for creating products based on HyperCard Ilgs. See how to develop between Macintosh stacks and Apple Ilgs stacks to expedite tapping both markets. Explore the differences between Macintosh and Apple Ilgs software.

ATI-15 Apple Computer

Media Integration And The Apple Ilgs

A showcase of the new media integration tools available for the Apple Ilgs computer. Don’t be left behind! See how easy it is to bring your applications alive with laser discs, MIDI, video, and sound.

ATI-40 Tim Swihart, Apple Computer

Creating Commercial-Quality Stacks With HyperStudio

More and more companies are turning to the flexible high-end studio as their vehicle for information presentation. This presentation, given by two experienced stack developers, will help you get the most out of HyperStudio and achieve the highest quality product possible. Topics covered will include stack design, button design, embedded NDAFile and Telling.

ATI-35 Eric Mueller, Jay Jennings

Scripting With HyperStudio

If you’re interested in doing scripting with HyperStudio, be sure and attend this session. You’ll explore exciting new HyperStudio add-ons that give you the chance to create complete programs that can be summoned at the click of a button.

ATI-37 Jeff Smith

Sound Wave Secrets

The ‘S’ in Ilgs isn’t taken advantage of sometimes. After attending this session you’ll know more about sounds than you ever thought possible. Learn correct audio levels and avoid echo in samples effectively.

ATI-29 HangTime

Artwork For The Non-Artist

Learn how to create screens and clip-art for use in your multimedia programs and other applications.

ATI-36 Bo Monroe

Fontastics

This session is led by one of the most knowledgeable men in the Ilgs world when it comes to fonts. Current and future font technology will be discussed. A question and answer session will follow the lecture.

ATI-05 Mark Collins

Creating HyperCard Ilgs XCMD’s

It HyperCard Ilgs won’t sit up and back they way you think it should, maybe you need to turn to the power of XCMDs. You’ll find all the information needed to program these powerful tools in this session.

ATI-39 Mike Nuzzo

News from Apple

Apple II - What’s New?

See and hear how newly announced products in the Apple II family are maturing. Learn about new programs that can make the Apple II even easier to develop. Apple II experts will concentrate on system software enhancements as well as newly announced networking capabilities. Learn what can be done to make the Apple II more accessible to users.

ATI-02/03 Apple Computer (2 lectures)

Apple II Product Marketing Update

Apple’s evangelist for the Apple II, Bob Barnes, will speak on Apple’s view of the Apple II product line and how Apple will introduce new products.

ATI-41 Rob Barnes, Apple Computer

Apple Ilgs Stuff

Developing And Debugging Apple II Software

Learn about the brave new world of debugging and prototyping tools for the Apple II family. We’ll show you how to take advantage of what’s available.

ATI-04 Lane Roath, Nate Trust

Apple Ilgs Animation Class 101

This lecture and Q&A session will cover basic graphics and animation on the Apple Ilgs. Topics will include:

1. General overview of vga II graphics.
2. Layout of SHR video memory.
3. Pixel data, reading and writing.
4. Scan line control registers, filling mode.
5. Color palette data.
6. Use of QuickDraw II to do graphics and animation.
7. Basic direct screen bitmap animation (draw, show, erase).

Animation library routines for Assembly, Pascal, and C will be distributed.

ATI-31 Apple Computer

Apple Ilgs Animation Class 210

This lecture will cover the next level of graphics and animation techniques available on the Apple Ilgs computer. Topics will include:

1. Using only one register to index both the screen and the image.
3. Use of 3rd SHR buffer for static background erasing.
4. Use of a single SHR buffer for greater speed.
5. Mapping the stack onto the direct page for quick access.
6. Mapping the stack and direct page onto the SHR screen for fast updates.
7. Complete control over complicated shapes.

Symbolic Color Picture Displaying

ATI-27 Bill Heineman, Lane Roath, Chris McKinsey, Nate Trust

Graphics And Sound Lab

This session is the equivalent of the Apple II's DTS Bug-Out. Bug-Out is an event that is dedicated to sound, graphics, and animation. Attendees can bring graphics, animation, or sound code that they're having problems with, or code that needs optimization, and the session leader will fix it. The session leader will also use this time to release any code programs that they wish to make public. A shape compiler contest will be held and the "official" 1991 KansasFest game will be played during this session. Artists and programmers are requested to help out.

ATI-26 Bill Heineman, Lane Roath, Chris McKinsey, Nate Trust

Multiplayer Games And The Ilgs

The Apple Ilgs is an ideal candidate for multi-player games with its serial ports and built-in AppleTalk ability. This session will focus on the advantages of doing multi-player games in general and on the Ilgs in particular. GS to GS, and GS to other platform connections, pitfalls to avoid, and game ideas and design will be discussed.

ATI-14 Lane Roath

Breaking The Super Hisers 16 Color Barrier

This lecture and Q&A session will cover SHR images that exceed 16 colors. The topics covered will include:

1. Discussion of using multiple palettes.
2. Scan line control registers and how to use them.
3. Display techniques for 2040 color pictures (sample source included).
4. Hits and techniques for maximizing processor time.
5. Outline of the current file formats for 256 and 320 color pictures.
6. Painting pictures in 256 and 320 colors (using Dream/Word Software).

ATI-18 Jason Anderson, Steven Chiang

Programming The Ensiong Sound Chip

This tape is intended for those who require more power than the Apple Ilgs sound tools offer, or those simply interested in the Ensiong's low-level operation. Topics will include:

1. Overview and study of the 4 basic sound registers.
2. Transferring data to/from the DOC RAM.
3. Playing DOC waves using various techniques.
4. Problems with 32K waveform size boundary.
5. Use of interrupts to overcome 32K boundary.
6. Use of interrupts for timing and sequencing.

ATI-06 Bill Heineman, Chris McKinsey

Correctly Programming NDA’s

The author of DeskTop 2.0 will show you how to easily and painlessly create NDAs that abide within the system in perfect harmony with other programs. You'll also see how to use NeXT’s NDA resources.

ATI-17 Bryan Pietrzak

Programming With Resources

All the information needed to fully implement resources in your applications. Includes tips and techniques that make working with resources easy and painless.

ATI-28 Marc Wollgraff

Applesoft

Advanced Applesoft Programming

This presentation will feature professionally performing routines for reading disk directories, determining disk drives available, mouse interfacing in text-based applications, taking advantage of boolean math techniques, and more.

ATI-30 J. Eric Bush

Assembly Language

The Text Editor From Hell

In this 6-bit assembly workshop you'll see the algorithms, data structures, and code necessary to implement an extensible "mini text editor" with scrolling and word wrap. Disks and hard disk containing source code and other illuminating material will enlighten and excite you. Even 8-biters can learn something, though all code presented will be in 8-bit.

ATI-24 Jerry Kindall, Quality Computers

Optimizing 65xxx Assembly Language Code

Session focused on intermediate assembly language programmers with a fair amount of exposure to the 65xx
Summer Conference Tapes, Continued

who are interested in finding out ways to write their code more effectively and efficiently. Special attention will be given to making existing code run faster and recognizing and removing unnecessary code.

AT-22 Albert Neuberger

Fast Math In Assembly Language
The session will show and discuss some of the fastest multiplication and division routines available for the Ilgs, and in many cases (with modifications that will be shown), will work with an 8-bi Apple II. Also discussed: doing fast multiplication with constants, a technique for doing quick math calculations on functions (sines), and applying sample code to graphics, especially 3-D animation.

AT-09 Albert Neuberger

Structured Assembly Language Preprocessor
This session describes the new public domain programming tool that enables assembly language programmers to easily use structured techniques when writing their code.

AT-20 Paul R. Santa-Maria

Debugging Tools And Techniques
This is for all programmers who are not writing bug-free code. Focus is on debugging at the machine code level. This implies assembly language programmers although techniques discussed may also be applied to users of high level languages; particularly if the programmers have an intimate understanding of the machine code generated by their compiler.

AT-21 Chuck Kelly

UltraMacros

Stump The UltraMacros Author
Bring your hardest AppleWorks/ UltraMacros questions with you for him to answer at Randy Brandt. If he can't answer your questions you'll be regarded far and wide as one of the smartest people at KansasFest.

AT-29 Randy Brandt, JEM Software

AmperMacros
AmperMacros is an extension to the UltraMacros programming language. It allows the addition of new commands via the & function in UltraMacros version 3.0.1. This session will include:
1. Installation of AmperMacros and subsequent starting
   of AppleWorks.
2. Calling an amper-command from a macro.
4. Advantages and disadvantages of programming with
   AmperMacros.
5. Commands currently available

AT-08 Douglas Gum

Telecommunications

Shrinkit, ZModem, and A Surprise
This session will cover current and future changes to Shrinkit, implementing ZModem correctly in

AT-23 Andy Nicholas

How To Send E-Mail & Files Free, Or Almost Free, To A Million Of Your Closest Friends
This session will demonstrate the finer points of using e-mail on GEnie and the Proline network. With Proline's feeds into CompuServe, MO Mail, and ProlinePac, along with the 230,000 subscribers on GEnie, computer users can send and receive mail from over a million other persons, all at a minimal cost.

AT-16 Phil Shapiro

The Apple II - A Computer For Total Communication
This presentation will cover using the Apple II for communications. This includes modern technology and desktop publishing. International communications using the computer will also be covered.

AT-33 Al Martin, Vladimir Fedorov

Company-specific

Applied Engineering's
Assessment Of The Apple II Market
This truth behind the wild rumors and accusations regarding one of the oldest Apple II third-party companies will be answered in this session.

AT-10 Tom Milks, Applied Engineering

Introduction To The Mensch Microcomputer
Discussion of a proposed consumer component

AT-11 Bill Mensch

The Networked Apple II
Session will include a demonstration of the EasyShare IIe menu system and the LANpro DOS network server. You will be able to see DOS 3.3 products loaded and launched on AppleShare. You will be able to see an Apple II outperforming a Macintosh as a network server.

AT-19 Brian Walker

AccuDraw - Or Why The Apple Ilgs And Macintosh Still Get Jealous Of The Ie
Users who are interested in doing design work on the Apple II, or programmers who need to see what the Apple II can do with class, should attend this session. Some features of the AccuDraw program include drawings up to 26 by 26 screens, out and paste with the ability to rotate the paste in 90 degree increments, and access of other functions.

AT-07 Guy Forsythe

New Products: Microl Advanced Basic And Other Really Neat Stuff
Three new products will be shown. 1. New version of MAB for go.
2. Microl desktop and window toolkit for Ile and Ic.
3. Liberty disk drive. 1.5 megabytes under ProDOS reads and writes MS-DOS disks.

AT-38 Ron Lewin, Vladimir Fedorov

Two Dozen Dumb Orca Tricks
This pop-up of hints and tips will be invaluable to anybody who uses the Orca line of products to program with. This session will include extensive audience participation, so bring your favorite tricks to share.

AT-32 Mike Westerfield, The Byte Works

Other Stuff

Now That The Program Is Written. How Do I Sell It?
This presentation will be participated in, but major topics to cover include:
1. Who is buying software and how much they pay.
2. Selling outright vs. royalties.
3. Running your own company.
4. Why you need dealers and how to get them.
5. What do you want: money, or your name in lights?

AT-13 Guy Forsythe, Randy Brandt

DIY (Document It Yourself)
The perfect hardware or software product is worthless if the instructions are incomprehensible. This session will provide you with hints and pointers for producing solid and usable manuals that will increase the value of your product.

AT-07 Jerry Kindall

Hot Stuff

A2-Central Summer Conference Tapes
Here's how to get them free!

During August and September we'll send you a conference tape of your choice FREE for each $50 you spend on books, hardware, or software with us. Spend at least $50, get one tape. Spend at least $100, get two tapes, and so on. You must list the tapes you want on your order form. We must get your order by September 30. You can't count money you send in for subscriptions or back issues, only books, hardware, or software. If you don't know what to buy, here's what's been hot this summer:

Resource Central Hard Drives

Fast, reliable, and software-packed.

A2-007 Resource Central 50 Meg $479.00

A2-005 Resource Central 100 Meg $599.00

AP-001 Apple SCSI card $119.00

CV-001 RAMfast SCSI card $209.00

$10.00

$20.00

Zip Ilgs Accelerator

8 MHz, 16K cache. Add speed to your system!

ZC-001 Zip Accelerator $199.00

CVTech GS-Memory cards

Add your 1 meg Apple card into the CVTech's GS Memory cards:

CV-002-1 CVTech GS-Memory 1 Meg $169.00

CV-002-4 CVTech GS-Memory 4 Megs $379.00

Magnavox RGB Monitor

For your ilgs 2 year warranty. Not much more money than fixing your blank Apple monitor.

DC-003 Magnavox RGB Monitor $319.00

RC-005 Igs RGB cable $23.00

Supra2400 baud modem

Our most popular modem. Isn't it time for you to get online? An entire community awaits you.

SC-001 Supra 2400 $119.00

TotalControl

Brand new from Randy Brandt's JEM software, this is the ultimate add-on package for the AppleWorks 3.0 database. TotalControl gives you mastery over the Data Base REVIEW/ADD/CHANGE module.

JE-010 TotalControl $49.95

Jason Harper's Super Convert
If you've used Jason Harper's shareware Convert, you'll know the basic idea here, but you won't believe the additions.

SR-003 Super Convert $39.95

Chaos in the Laboratory

This is David Vernier's sequel to How to Build a Better Mousetrap, which many of you have purchased from us. It's a book of science projects based on Apple II computers (even the II-Plus). The title project shows you how to use an Apple II to study chaotic behavior.

VB-002 Chaos in the Laboratory $25.95

Modunet Network Connectors

Make another Mac a Ilgs peripheral today!

CE-001 Modunet 8 pin $34.95
New Stuff

**How much would you give to have AppleWorks on that clone they make you use at work?**

**SuperWorks**

At our summer conference we took aside several groups of people and showed them SuperWorks running on a MS-DOS clone. There were gasps all around every time. SuperWorks is a keystroke-for-keystroke, screen-for-screen clone of AppleWorks.

Oh sure, there are a few differences, some good, some bad. I'll list them all here for you in a moment. But first I want to impress you with the idea that this is probably the only MS-DOS program you'll ever encounter that you already know how to use. Just press ALT on the IBM keyboard instead of OPEN-APPLE and you've got AppleWorks, right down to word-for-word help screens.

The bad differences: So far we've noticed a few differences between AppleWorks and SuperWorks that we don't like. For example, there's no TimeOut Series for SuperWorks. Some of the TimeOut functions are built into the program, including a macro language, a telecon module, file encryption, and several more, but that's it, at least for now. There's no spell checker. The program requires that you have a special connector plugged into your clone's printer port. The connector comes in the box with the program. You plug your printer into the connector. Without the connector, the program won't run. This isn't copy-protection, but it does make you buy one program per computer. The last thing we don't like is that while SuperWorks can read AppleWorks files, AppleWorks can't read SuperWorks files, which means you can't carry work between AppleWorks at home and SuperWorks at the office. The good differences: Word Processor: You can take advantage of SuperWorks' full color support to make it easier to read and understand what's on the screen. The word processor scrolls right and left to allow you to see what lines greater than the screen width look like. On-screen support for proportional fonts. Mouse controls cursor.

Database: 250 categories per database. 90 files. Add or delete categories without losing layouts and reports. Add frames around items in single-record layout. Imports DBase III files.

Spreadsheet: Imports Lotus files. Worksheets can be connected into three-dimensional models. 5,000 rows, 256 columns. Automatically prints large spreadsheets in strips. Does iterations.

Desktop: 126 files on the desktop at once. As in AppleWorks 3.0, the clipboard can transfer data between any modules. In SuperWorks you can also see the contents and size of the clipboard and transfer the disk directory listing to the clipboard. Works on all IBM-PC/XT/AT/PS compatibles with at least 256K of RAM and one disk drive. Works with most TSRs, if you know what those are. Fast and friendly, just like the original.

**Talking Tools**

Talking Tools is a text-to-speech program for the Apple Ilgs published by the Byte Works. Anything you can type can now be spoken by your Apple Ilgs, in a variety of voices. No additional hardware is required. Includes Speakit, a desktop program that lets you exercise your Apple's voice, as well as extensive interface files for ORCA languages (and samples) that let you add speech to your programs.

**Using the DeskJet 500 Printer with AppleWorks**

Hewlett-Packard's DeskJet 500 is a letter-quality inkjet printer that's reasonably priced. It works quite readily with an Apple II, but to use it with AppleWorks you have to define a custom printer. If you're not sure how to do this, this little manual by Dino Bagadili is for you. Includes many AppleWorks screen shots and lots of info on the DeskJet to get you going. No, you don't need Hewlett-Packard's Epson interface to use this printer!

**MicroDot**

MicroDot is for those of you who are producing commercial programs, using Applesoft and ProDOS. If you're having trouble cramming all the features you'd like to have into the RAM space available, MicroDot can help. MicroDot is a 3K replacement for the 10K Basic system file. Programs access files with & commands rather than PRINT D8. Includes many features missing from Basic, such as including fast program overlays, disk formatting, and graphic packing/unpacking. Inexpensive publisher's license available.

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Plus: $10 off Toolbox Vol 3 & GS/OS Reference Manual!

There are the official manuals written by Apple Computer and published by Addison-Wesley as part of the Apple Library Series. A year ago we sold hundreds of these sets. If you bought a set last year or if you buy a set this year, you're also entitled to buy the new Apple Ilgs Toolbox Reference, Vol III or the new Apple Ilgs GS/OS Reference for $10 off the regular price — an additional savings of up to $20. This offer is available only from Resource Central and expires September 31, 1991. Together, these eight books weigh nearly 25 pounds—over 11 kilograms. Please select your choice of shipping method and cost:

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#### A2-Central on disk

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Multimedia Halloween Specials

This offer expires at midnight on Halloween, Oct 31!

Get HyperCard Ilgs or HyperStudio for just $79 with a one-year subscription to Script-Central or Studio City

The hottest multimedia machine on the face of the earth is the Apple Ilgs and the hottest publications for multimedia authors are our own Script-Central and Studio City (turning Stacks Central). If you’re missing out on the multimedia action, you need to get Apple’s HyperCard Ilgs or Roger Wagner Publishing’s HyperStudio, which are fueling the multimedia future of the Apple Ilgs.

To help you get on the bandwagon, we’re extending our hand with the lowest prices for HyperCard Ilgs and HyperStudio that you’re likely to see anywhere. Just $79 gets you either package. There are two catches to this deal. The first is that we have to have your order in our office by midnight on Halloween, October 31. The second is that you also have to get a 1-year subscription to the multimedia publication we offer for the software you choose. Of course, these catches are no big deal. Multimedia on the Ilgs is big, and there’s no reason to wait even until Halloween to get started. And if you’re going to get involved with multimedia, you’d want our publications anyhow. Each month you get news, tips, tricks, reviews, clip art, clip sounds, tutorials, and actual samples of stacks other people have created. You can use and enjoy the stacks we send you, then you can tear them apart and see how they’re put together.

Multimedia, also known as hypermedia, has to do with creating messages using a variety of media, such as text, graphics or art (still or animated), sound and music, and perhaps even video from a camera, videodisc player, or VCR. Multimedia is typically used for presenting information to users who are allowed to explore the material. You can use it to create an interactive tutorial, a computerized slideshow, or to develop a complete curriculum. You can use it to organize your family tree, to classify the trees growing in your neighborhood, or to teach your scout troop how to build a footbridge.

HyperCard Ilgs is Apple’s entry in the multimedia software field. It is based upon the idea of stacks of cards. Each card has a background. You can paint designs on the cards, add text fields, and add buttons that initiate actions when they are pressed. Button actions and other stack features are controlled using a modern object-oriented programming language called HyperTalk. This is the same language used in the Macintosh version of HyperCard. The HyperCard Ilgs package includes six disks and three books, including Getting Started With HyperCard Ilgs, HyperCard Ilgs Reference, and HyperTalk Beginner’s Guide. It requires an Apple Ilgs with at least 1.5 megabytes (2 meg or more recommended) and a hard drive or network connection.

Like HyperCard, HyperStudio allows you to create “stacks” made up of “cards.” Each card consists of a graphic background and can also hold text objects, graphic objects, sounds, and buttons. Buttons can be used to move to another card, stack, or program; to play a sound or a segment from a video disk; to activate an animation; or to execute an external assembly language command called an “Xcommand.” Buttons can also be used to keep test scores.

The differences between HyperCard and HyperStudio are that most features of HyperCard require the author to use the HyperTalk programming language. Most features of HyperStudio, on the other hand, are selected from menus and lists using the point-and-click desktop interface. In addition, HyperStudio requires less memory (1.25 meg of RAM required) than HyperCard and HyperStudio includes a “runtime” package that can be distributed at no charge to people who buy your stacks. If you build stacks with HyperCard, your users will have to own HyperCard to use your stack. HyperStudio also comes with more tools for creating sounds, including a sound digitizing hardware card that doesn’t need a slot, a microphone, and a separate program called Sound Shop that allows you to edit and add special effects to the sounds you record.

HyperCard Ilgs & Script-Central

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HyperStudio and Studio City

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(591) $21.95
(991) $9.95

AppleWorks

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TO2 Editor Randy Brandt of Beagle & UltraMacros fame gives you
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IN-004 Wilkin: Best Book of AppleWorks
(590) $21.95
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MB-002 Ultra-AppleWorks (UltraMacros tutorial on 3.5 disk)
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MC-003 Ultra-AppleWorks (book, samples on 3.5 & 5.25)
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SC2 The latest tips and news for creators of HyperStudio
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SC3 stacks. Tutorials, examples, clip art & sounds, and more.
3 years $117.00
SC90S1 Seminannual disk set (Feb/Apr/Jun 90)
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SC90S2 Annual disk set (Aug/Oct/Dec 90)
$20.00
SC91S1 Seminannual disk set (Feb/Apr/Jun 91)
$20.00
SC91S2 Annual disk set (Feb 90 to Dec 90)
$36.00
HC1 Script-Central 6 issues/yr. 3.5 disk only
1 year $42.00
HC2 All about Apple's HyperCard lgs and HyperTalk, its scripting
2 years $81.00
HC3 language. Your letters, our XCMDs, Tools, Buttons – awesome!
3 years $117.00

Books

MK-042 Apple Hypercard lgs Script Guide
(391) $23.99
MK-034 Apple Hypercard Stack Design
$16.95

Multimedia software

MR-005 HyperStudio (for lgs)
(190) $99.95
MR-009 HyperStudio Xcommands, Vol 1
(1190) $39.95
GC-001 Nexus (for lgs)
(690) $69.95
AP-002 HyperCard lgs
(391) $99.00

Clip art

RM-007 HyperStudio Clip-Art, Vol 1
(1190) $19.95
RM-011 HyperStudio Clip-Art, Vol 2
(391) $24.95
TV-002 ClipArt Plus
(391) $39.95
DS-011 Clip/Version 1.1
(391) $29.95

Sound

RM-008 HyperStudio Clip-Sounds, Vol 1
(1190) $19.95
TV-001 ClipTunes (2 disks)
(391) $39.95
DB-012 ClipSounds (10 disks)
(391) $59.95
DR-002 511 MA-100 speakers for the lgs
(190) $129.00
* 120 volts. Surface shipping to Canada or APO/FPO adrs
$20.00

Desktop Publishing

Books

WP-001 White: Graphic Design for the Electronic Age
(389) $24.95

Desktop Publishing Software

TW-001 Publish II 4 (Enhanced Be. any 8c or lgs)
(891) $119.00

Optical Character Recognition (Put an end to retyping)

WC-001 InWords (5212 enhanced Be or lgs)
(391) $99.00

Fonts

FC-001 A2-Central Font Collection
8.35 disks of fonts in ShrinkIt format
$39.00

Graphics/Imaging

Graphic software

VI-001 Quickie Scanner
(1090) $219.95
DV-001 B&W ComputerEyes Video Digitizer (Be)
(1290) $119.95
DV-002 Enhancement Software
(1290) $22.95
DV-003 B&W Support Software for B&W Computer Eyes
(1290) $22.95
DP-004 Color ComputerEyes Video Digitizer for lgs
(1290) $219.95

Graphics

BB-007 Platinum Paint (for lgs)
(391) $79.00
BB-008 Beagle Draw (for lgs)
(791) NEW $69.00
SB-003 Jason Harper's Super Convert for lgs
(791) $39.95
RM-004 Graphics Exchange (for lgs)
(190) $37.50
RD-012 Desktop Screen Saver (for lgs)
(391) $24.95
TR-001 GEnie Master 4.0 (requires AWorks 3.0 & TIC or Point-to-Point)
(190) $20.00
KG-001 GEnie Pilot (GEnie interface for lgs)
(195) $25.00

Telecommunications

CS-001 Talk Is Cheap
(390) $40.00
KG-001 Co-Pilot (GEnie interface for lgs)
(195) $25.00
### Books
- CO-002: CompuShare: Telecommunications Guide (591) $12.95
- CD-002: U.S. Modem Bundle (SC-001, CS-001, and 1 cable) $159.00
- CD-003: Int'l Modem Bundle (SC-002-xx, CS-001, and 1 cable) $169.00

### Bundles
- SC-001: Supra 2400 baud modem (110 volts) (1/90) $119.00
- SC-002-MG: Supra 2400, German plug (220 volts) $129.00
- SC-002-UK: Supra 2400, British plug (220 volts) (9/90) $129.00
- DC-008: Viva24m 2400 baud MNP 5 modem (110 volts) (3/91) $169.00

### Modems
- RC-001: 8' cable for IIGS/IIc-Plus (1/90) $15.00
- RC-002: 8' cable for older IIc (1/90) $15.00
- RC-003: 8' cable for serial cards (1/90) $15.00

### II/G Programming
- Books (also see 6502 assembly language)
  - CB-002: Wagon: Igs Machine Lang for Beginners (8/88) $19.95
  - DS-005: disk for this book (3.5) $15.95
  - BS-005: Lightly/Eys: Programming the Igs in Asm Lang $29.95
  - DS-008: disk for this book for APW $20.00
  - BS-009: disk for this book for Merlin (11/80) $10.00
  - BS-010: disk for this book for Orca/C (11/80) $20.00

### Assembly language tools
- BM-002: Merlin 8/16 (DOS 3.3, PRODOS 8, GS/OS) (9/90) $99.00
- BW-005: ORCA/P Assembly (11/80) $42.00
- BW-008: Merlin to Orca Source Converter (9/90) $18.00

### Disassemblers
- BW-007: ORCA Disassembler (11/90) $30.00

### Debuggers
- PD-002: ProDev 65816 Debugger for Igs (3/91) $189.00

### Universal development tools
- SS-007: Genesys (GS/OS Resource Creator/Editor) (6/90) $90.00
- BS-006: Design Master (GS/OS Resource Creator) (9/89) $57.00
- BS-009: Talking Tools (text to speech pck for ORCA langs) (9/89) NEW $49.95
- BS-033: Programmer's Online Companion for the Igs (190) $37.50
- BS-009: Edit-16 APW/Orca/Merlin replacement editor (3/91) $49.95
- JB-009: Rosel16 APW replacement editor (3/91) $15.00

### Hard Disk Drives
- Hard drive books
  - CO-001: CompuShare: Hard Drive Guide (5/91) $14.95
  - NA-002: Apple Hard Disk Primer (5/86) $19.65

### Internal hard drives (include SCSI card)
- CF-CID20: CITECH 20-meg internal hard drive (5/90) $695.00
- CF-CID40: CITECH 40-meg internal hard drive (5/90) $845.00

### External hard drives (require SCSI card)
- A2-007: Resource Central 50 Meg (7/91) $479.00* (7/91)
- A2-005: Resource Central 100 Meg (5/91) $599.00
- A2-006: Resource Central 42 Meg Removable Media (5/91) $689.00
- DC-007: extra cartridges for 42 Meg drive $99.00
- * Surface shipping to Canada or APO/FPO addrs $10.00
- * Surface shipping to other points outside U.S. $20.00

### SCSI cards
- AP-001: Apple High-Speed SCSI card (5/91) $119.00
- CT-SC: CITECH SCSI card (5/91) $129.00
- CV-001: RAMast SCSI card (5/91) $209.00

### Disk management utilities
- CH-001: Chinook Utilities for Apple SCSI cards (1/90) $30.00
- GB-001: Proset 8 (for IIc/IIc 3.5 disk, 5.25 on request) (1/90) $40.00
- GB-002: Proset 16 (for Igs, includes Proset 8 features) (11/90) $85.00
- VS-002: Salvation: Guardian (Backup Utility) (7/90) $37.00
- V1-003: Salvation: Renaissance (Optimization Utility) (10/90) $39.00
- V1-004: Salvation: Exorcist (Virus exterminator) (10/90) $34.00
- V1-005: Salvation: Wings (Program selector) (10/90) $59.00
- V1-007: Salvation: Deliverance (Fix/edit disks) (12/90) $37.00

### Memory Expansion Cards
- Ilgs memory expansion slot cards
  - Chinoxk (5/90) $94.00
  - CVTech (3/91) $99.00
  - Cittech (9/90) $105.00

### High-level language tools
- HyperTalk
  - AP-002: HyperCard Ilgs (3/91) $99.00
Resource Central Catalog

Get the books, software, and equipment you need from the warmth of your own computer room. No handling fees or extra charges for surface shipping on most items, even though we ship within 24 hours. To order, use the self-mailer that was in the envelope with your publication.

November 1991

Holiday Sale. System 6.0 Updates, Hard Drive Prices Fall & More!

Avoid Aftershave & Perfume Holiday Sale

10% off all Books and Games

Once again we'll offer our famous holiday Avoid Aftershave and Perfume sale. Order any book or one of the following games from us between now and Dec 31 and take 10 per cent off the price. The games we carry are:

JE-002  LO. Silver (5.25 only) .................................. $20.00
WO-002  Shadowforge (Night Owl Journal, 5.5 only) (5.25) $12.95
WO-003  Wealth: Devil's Denison (3.5 only) ............... $12.95
TB-010  Bouncing Blunder II (requires Igs; supplies limited) (5.25) $59.00
TB-011  Space Shark (requires Igs; supplies limited) ........ $49.00

System 6.0 Updates

If you subscribe to A2-Central On Disk, we can send you a System 6.0 update, as soon as it's released by Apple, for a nominal charge to cover disks and shipping. System 6.0 will come on four disks. Apple is also planning a 5-disk version: the fifth disk is a preconfigured 800K disk for users without hard drives. Your order will be considered an addendum to your subscription. The disks will be sent to you under license by Apple as a part of your subscription. Disks will be mailed to you within a week of release of System 6.0 by Apple. When's that? "When it's done!" according to product manager Tim Swihart. We're betting on early January.

S6-4 Igs System 6.0 (4 disks) .................................. $12.00
S6-5 Igs System 6.0 (5 disks) .................................. $15.00

Hard Drive Prices Fall

Our suppliers have reduced the prices of our most popular hard drives and our most powerful SCSI card. Take a look at these new prices!

External hard drives (require SCSI card)

A2-007 Resource Central 50 Meg ................................ (5.25) $439.00
A2-005 Resource Central 100 Meg .............................. (5.25) $549.00
* Surface shipping to Canada or APO/FPO adr .............. $10.00
* Surface shipping to other points outside U.S. .............. $20.00

SCSI cards

CV-001 RAMast SCSI card ....................................... (5.25) $189.00

Subscription Prices Rise

Hardware gets cheaper, but information gets more dear. On January 1, 1992 all of our subscription prices are going up $6. For example, the paper issue of A2-Central will go from $26/$34/$47 to $34/$60/$64. Since we are raising the two- and three- rates by just $6, rather than by $12 and $18, they become an even better deal than before. You may renew at the current rates through the end of the year.

8/16-Central Full Set

If you didn't subscribe to 8/16-Central because you thought it was too expensive, here's your chance to get all the programming tips packed into 20 issues for just $3.95 a disk.

ESFS All 8/16-Central back issues (20 disks) .................... $79.00

New Stuff

Beagle Draw

Beagle Draw is an object-oriented 320-mode graphics program. "Object-oriented" means that individual items you draw can be moved, copied, pasted, resized to exact dimensions, grouped, flipped, rotated, and layered. Unlike a paint program, where each stroke you add destroys what's underneath, Beagle Draw remembers each object you create as an individual item. Draws arcs and can smooth or round angled corners of objects, has rulers and grids. Can create or scale drawings as large as the job requires — up to 64 pages (6 x 8). Requires an Apple Igs with 1 megabyte of memory. A valuable addition to any graphic artist's tool cabinet.

BB-008 Beagle Draw ........................................... $69.00

ProLine BBS

Now you can set up your own bulletin board system with electronic mail, a software library, and public and private discussion forums. Your users can select a menu-driven or a command-line interface to the BBS. If you like, you can join the ProLine network and join your users to other ProLine users everywhere. ProLine is easy to install, use, and maintain. Author Morgan Davis provides quarterly software updates free — sent through the network directly into your system. ProLine works on a Hi-Plus, Ile, or Igs. Requires a hard disk and a modem. Hi-Plus and Ile systems also require clock and serial interface cards.

MD-003 ProLine Bulletin Board System ........................ $149.95

ModemWorks

ModemWorks is an elegant solution to the complex problem of writing software that accesses a modem. Includes 47 modem-related commands that can be accessed by Applesoft or MD-BASIC programs. Also includes T additional non-modem commands that make programming easier. Includes sample programs that demonstrate 1/0 management, time-out handling, bulletin board construction, terminal program design, and more. Full-featured templates for terminal emulation are provided for over 15 terminals. Drivers for all popular modems are included. Over 160 pages of documentation. Written by Morgan Davis, author of the ProLine BBS and MD-BASIC.

MD-004 ModemWorks ............................................. $49.95

Final week — Halloween Special

This offer expires at midnight on Halloween, Oct 31!

Get HyperCard lgs or HyperStudio for just $79 with a one-year subscription to Script-Central or Studio City

HyperCard lgs & Script-Central

AF-002 HyperCard lgs ............................................. $99.00
HC1 1-year (6 2-disk issues) of Script-Central ......... $42.00
HC6C Combination price till midnight Halloween (79-42) $121.00

HyperStudio and Studio City (formerly Stack-Central)

SF-005 HyperStudio ................................................ $99.95
SC1 1-year (6 2-disk issues) of Studio City .............. $42.00
SH6C Combination price till midnight Halloween (79-42) $121.00
About this listing

Everything we carry doesn't fit in this catalog anymore, but we got almost everything in this month. The date shown with each item indicates the catalog that has a longer description of the item. We give a full description the first time an item appears in the catalog.

In General

A2-Central

A2-1 A2-Central 12 issues/yr. 8 pages 1 year $28.00
A2-2 An international clearance house of information for users of all Apple II systems 2 years $54.00
A2-3 type of Apple II, winner of Best Apple II Publication award 3 years $78.00
PS-N Full set of back issues in bound annual volumes and singles $39.00
PS-D Full text of back issues on 5.5 disks $39.00
OA-001 Volume 1 January 1985 - Jan 1986 $9.95
OA-002 Volume 2 February 1986 - Jan 1987 $9.95
OA-003 Volume 3 February 1987 - Jan 1988 $9.95
OA-004 Volume 4 February 1988 - Jan 1989 $9.95
OA-005 Volume 5 February 1989 - Jan 1990 $14.95
OA-006 Volume 6 February 1990 - Jan 1991 $14.95

A2-Central on disk

AD-1 A2-Central on disk 12 issues/yr. year newsletter & 3.5 disk 1 year $84.00
AD-2 Our award-winning newsletter plus a monthly disk 2 years $162.00
AD-3 filled with the best stuff we find online and in our mailbox 3 years $234.00
AD89FS Annual Sets: 12 back issue disks Feb 89 to Jan 90 $60.00
AD90FS Annual Sets: 12 back issue disks Feb 90 to Jan 91 $60.00
Quarterly Sets Feb/Mar/Apr May/Jun/Jul Aug/Sep/Oct Nov/Dec/Jan 1989 AD88S1 AD88S2 AD88S3 AD88S4 $19.00
1990 AD90S1 AD90S2 AD90S3 AD90S4 $18.00

Hyperbolic

HB1 Hyperbolic 6 issues/yr. 3.5 disk, requires IIGS 1 year $42.00
HB2 A multimedia artistic and literary journal on disk 2 years $81.00
HB3 There's nothing else like it anywhere 3 years $117.00
HB-91SI Semianual disk set (Feb/Apr/Jun 91) $20.00
HB-SAMP Hyperbolic Sampler Disk (free with subscription) $3.00

Books

CO-004 CompShare: Your IIGS Guide (5/91) $21.95
CO-003 CompShare: GS/GS Guide (5/91) $9.95

AppleWorks

Publications

T01 TimeOut-Central 6 issues/yr. 3.5 disk only 1 year $42.00
T02 Editor Randy Brandt of Beagle & UltraMacros fame gives you 2 years $81.00
T03 the latest AppleWorks & TimeOut tips, macros, and wares 3 years $117.00
T0901S1 Semianual disk set (Sep/Nov/Mar 91) $18.00
T091FS Annual disk set (Sep 90/Sept 91) $32.00

Software

RT-001 SuperWorks (MS-DOS AppleWorks clone) (5/91) $199.00

Books

DB-001 Using the DeskJet 500 Printer with AppleWorks (9/91) $20.00
IM-006 Aron Using AppleWorks (Que) (6/90) $21.95
IM-027 Brown Using AppleWorks GS $19.95

TimeOut UltraMacros

BB-005 TimeOut UltraMacros (AppleWorks 3.x) (12/90) $49.95
NA-001 Munz: UltraMacros Primer (3/90) $19.95
MB-002 Ultra-AppleWorks (UltraMacros tutorial on 3.5 disk) (5/91) $19.95
MB-003 Ultra-AppleWorks (book samples on 3.5 & 8.25) (5/91) $24.95
BM-006 MacroEase (requires UltraMacros) (12/90) $34.95
MB-001 Ultra Awesome Macros (requires UltraMacros 3.0) (3/91) $19.95

Enhancements

JE-010 Totalcontrol (AppleWorks 3.0) (7/91) $49.95
RM-001 Elite Fantasy Football Management System (8/91) $70.95
JH-001 WriteWorks (Writer's project management) (8/91) $39.95
JE-007 DoubleData (AppleWorks 3.0) (7/90) $30.00
JE-008 Outline 3.0 (AppleWorks 3.0) (9/90) $39.95
JE-005 AppleWorks 3.0 (7/90) $20.95
JE-006 SpellCopy (AppleWorks 3.0) (7/90) $12.50
JE-001 Flexical (AppleWorks 2.x or 3.0) (7/90) $30.00
JE-004 Mr. Invoice (AppleWorks 3.0) (7/90) $40.00

Patch programs

BB-004 Beagle AppleWorks 3.0 Companion (5/90) $39.95

Multimedia

Publications

SC1 Studio City 6 issues/yr. 3.5 disk only (formerly Stack-Central) 1 year $42.00
SC2 The latest tips and news for creators of HyperStudio 2 years $81.00
SC3 stacks. Tutorials, examples, clip art & sounds, and more. 3 years $117.00
SC90S1 Semianual disk set (Feb/Apr/Jun 90) $20.00
SC90S2 Semianual disk set (Aug/Oct/Dec 90) $20.00
SC91S1 Semianual disk set (Feb/Apr/Jun 91) $20.00
SC90FS Annual disk set (Feb 90 to Dec 90) $36.00
HC1 Script-Central 6 issues/yr. 3.5 disk only 1 year $42.00
HC2 All about Apple's HyperCard llgs and HyperTalk, its scripting 2 years $81.00
HC3 language. Your letters, our XCMDs, Tools, Buttons - awesome! 3 years $117.00

Books

RW-034 Apple HyperCard Stack Design $16.95

Multimedia software

RM-005 HyperStudio (for IIGS) (1/91) $99.95
RM-009 HyperStudio Command, Vol 1 (1/90) $39.95
GC-001 Nexus (for IIGS) (12/90) $69.95
AP-002 HyperCard llgs (3/91) $99.00

Clip art

RW-007 HyperStudio Clip-Art, Vol 1 (1/91) $19.95
RW-011 HyperStudio Clip-Art, Vol 2 (3/91) $24.95
TV-002 ClipArt Plus (3/91) $39.95
DS-011 ClipVision 1.1 (3/91) $29.95

Sound

RW-008 HyperStudio Clip-Sounds, Vol 1 (1/91) $19.95
TV-001 ClipTunes (2 disks) (3/91) $39.95
DS-012 ClipSounds (10 disks) (3/91) $59.95

Desktop Publishing

Books

WG-001 White: Graphic Design for the Electronic Age (3/89) $24.95

Desktop Publishing Software

TV-001 Publish It 4 (Enhanced Be. any IIGS or IIGS) (6/91) $119.00

Optical Character Recognition (Put an end to retyping)

WC-001 InWords (512K enhanced Be. or IIGS) (3/91) $95.00

Fonts

PC-001 A2-Central Font Collection (3/90) $39.00

Graphics/Imaging

Imaging

V1-001 Quickie Scanner (10/90) $219.95
DV-001 BW&ComputerEyes Video Digitizer (Ile) (12/90) $119.95
DV-002 Enhancement Software (12/90) $22.95
DV-003 IGS Support Software for BW& Computer Eyes (12/90) $22.95
DV-004 Color ComputerEyes Video Digitizer for IIGS (12/90) $219.95

Graphics

BB-007 Platinum Paint (for IIGS) (3/91) $79.00
BB-008 Beagle Draw (for IIGS) (11/91) NEW $69.00
SI-003 Jason Harper's Super Convert (for IIGS) (7/91) $39.95
RW-004 Graphics Exchange (for IIGS) (190) $37.50
RW-012 Desktop Screen Saver (for IIGS) (3/91) $24.95
RJ-001 Second Chance (image enhancement software, IIGS) (11/91) $39.95

Telecommunications

Telecommunications software

CS-001 Talk Is Cheap (3/90) $40.00
TH-001 Geenie Master 4.0 (requires AWorks 3.0 & TIC or Point-to-Point) (1/91) $20.00
KG-001 Co-Pilot (Geenie Interface for IIGS) (1/91) $25.00
MD-003 ProLine Bulletin Board System (11/91) NEW $149.95
MD-004 ModernWorks (11/91) NEW $49.95
Books
CO-002 CompusShare: Telecommunications Guide (591) $12.95

Bundles
CD-002 U.S. Modem Bundle (SC-001, CS-001, and 1 cable) $159.00
CD-003 Int'l Modem Bundle (SC-002-xx, CS-001, and 1 cable) $169.00

Modems
SC-001 Supra 2400 baud modem (110 volts) $119.00
SC-002-AU Supra 2400, Australian plug (220 volts) $129.00
SC-002-WG Supra 2400, German plug (220 volts) $129.00
DC-008 ViSta24m 2400 baud NWP 5 modem (110 volts) $169.00

Cables
RC-001 8 cable for Igs/Iic-Plus (190) $15.00
RC-002 8 cable for older Iic (190) $15.00
RC-003 8 cable for serial cards (190) $15.00

Ile/Iic Programming

Publications
8/16-Central, our publication for Apple II programmers, was published
monthly from March 1990 to October 1991.
ESB1 Any 8/16-Central back issue on disk $10.00
ESB13 Any three 8/16-Central back issues (3 disks at $5 each) $15.00
ESF5 NI 8/16-Central back issues (20 disks at $9.95 each) $79.00

Applesoft books
AW-040 Critchfield/Dyar: Bit of Applesoft * (990) $9.95
AW-038 Wintermeyer: Applesoft Tool Box * (990) $9.95
AW-039 Myers: Graphics for the Apple II * (990) $9.95
AW-010 Apple: Advanced BASIC (w/disk) $29.95
AW-021 Apple: Applesoft Programmer's Reference $22.95

Applesoft development tools
BB-003 Program Writer (Applesoft program editor) (190) $37.50
BB-002 Beagle Compiler (ProDOS Applesoft compiler) (190) $59.00
MD-001 ND-Basic (Applesoft pre-compiler) (590) $49.95
KS-001 Microdot (Basic system replacement) (991) $29.95
LS-002 Basic Help (Online Reference & Help) (891) $49.95

Other languages
AW-037 Seiter/Weiss: Pascal for Basic Programs * (990) $12.95
MS-002 Nicol Advanced BASIC for Ile/Iic (190) $89.00

ProDOS 8
AW-024 Apple: BASIC Programming with ProDOS (w/disk) $29.95
AW-023 Apple: ProDOS 8 Tech Ref (w/disk) $29.95
TB-006 Domain/Weisshaar: ProDOS Inside and Out $16.95
DB-002 disk for this book $10.00

Technical references
QS-002 Sather: Understanding the Apple II $22.95
QS-003 Sather: Understanding the Apple III $24.95
AW-003 Apple: Apple Ile Technical Reference $24.95
AW-004 Apple: Apple Ile Technical Reference $24.95

6502 assembly language
PD-001 ProDev 6502 Debugger for Ilgs/Igs $189.00
AM-012 Finley/Myers: Asm Lang for Applesoft Prgmr (888) $18.95
RM-001 Wagner: Assembly Lines: The Book (688) $19.95
DB-004 disk for this book $15.95
MD-007 Leventhal: 6502 Programming $19.95
MD-002 Objective Module Manager (Morgan Davis memory mgr) (890) $34.95

Cables
RC-001 8 cable for Ilgs/Iic-Plus (190) $15.00
RC-002 8 cable for older Iic (190) $15.00
RC-003 8 cable for serial cards (190) $15.00

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ESB13 Any three 8/16-Central back issues (3 disks at $5 each) $15.00
ESF5 NI 8/16-Central back issues (20 disks at $9.95 each) $79.00

Technical manuals
GS/OS
AW-026 Little: Exploring Apple GS/OS and ProDOS 8 (1/89) $21.95
DB-006 disk for this book (3.5) $15.00
AW-041 Apple: Apple Ilgs GS/OS Reference $28.95

Technical references
AW-017 Little: Exploring the Apple Ilgs (688) $22.95
DB-007 disk for this book (3.5) $20.00

Hardware Drive Books
CO-001 Compushare: Hard Drive Guide (591) $14.95
NA-001 Apple Hard Disk Primer (990) $16.95

Internal hard drives (include SCSI card)
CF-CDI20 CRCtech 20-Meg Internal hard drive (590) $695.00
CF-CDI40 CRCtech 40-Meg Internal hard drive (590) $845.00

External hard drives (require SCSI card)
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V1-003 Salvation: Renaissance (Optimization Utility) (1090) $37.00
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V1-007 Salvation: Deliverance (fix/edit disks) (1090) $37.00

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DB-006 disk for this book (3.5) $15.00
AW-041 Apple: Apple Ilgs GS/OS Reference $28.95

Technical references
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DB-007 disk for this book (3.5) $20.00

Apple: Technical Introduction to the Apple Ilgs $9.95
Apple: Programmer's intro to Igs (w/disk) $32.95
Apple: Apple Ilgs Firmware Reference $24.95
Apple: Apple Ilgs Hardware Reference $26.95
Apple: Apple Numerics Reference $29.95
Apple: Human Interface Guidelines $14.95

Toolbox manuals
CB-005 Gookin/Davis: Mastering the Ilgs Toolbox (888) $19.95
CB-007 Gookin/Davis: Adv Prog Tech for Ilgs Toolbox (888) $19.95
AW-019 Apple: Apple Ilgs Toolbox Reference, Vol 1 $26.95
AW-036 Apple: Apple Ilgs Toolbox Reference, Vol 3 $39.95

High-level language tools
HyperTalk
AZ-022 HyperCard Ilgs (391) $99.00

Pascal
BM-001 ORCA/Pascal (1190) $90.00
BM-002 Byte Works Learn to Program in Pascal Tutorial (1190) $50.00

C
BM-003 ORCA/C (1190) $90.00
BM-004 Byte Works Learn to Program in C Tutorial (1190) $50.00

BASIC
MS-001 Nicol Advanced BASIC for the Ilgs (1190) $99.00

Assembly language tools
CB-002 Wagner: Ilgs Machine Lang for Beginners (888) $19.95
DB-005 disk for this book (3.5) $15.95
DB-005 Ristic: Programming the Ilgs in Asm Lang (591) $29.95
DB-009 disk for this book for APW $20.00
DB-009 disk for this book for Merlin (1190) $10.00
DB-010 disk for this book for Orca/C (1190) $20.00

We carry additional tools that wouldn't fit in the catalog. See last month.
Ordering Information

Call us! Voice: 913-469-6502

Fax: 913-469-6507

the listings inside for prices: TimeOut-Central, for AppleWorks and TimeOut users (listed under AppleWorks), Stack-Central, for HyperStudio users (HyperMedia), Script-Central, for HyperCard lgs users (HyperMedia) and Hyperbolie, a literary and artistic journal on disk (In General).

Back Issues
Back issues of all our publications are available singly or in sets. Back issue sets are listed in the catalog with each publication. One of the best deals anywhere is the full set special we offer for A2-Central. You get every issue we've ever published, on your choice of paper or disk, for just $39. It's a wonderful introduction to the world of Apple computing.

Memory chips
DRAM-256 Set of 8 256K chips for standard memory cards $25.00
DRAM-1 Set of 8 1-meg chips for standard memory cards $70.00
STMB-1 1-meg SIMM for Macintosh (System 7 needs lots of RAM) $70.00
SHRAM-32 Set of 2 chips for StackDisk (64K) $50.00

Standard slot cards for Ile or Igs
SD-4 Cirtech StackDisk, 5/12K (battery backed-up static) (10/88) $389.00
SD-8 1 Meg RAM/disk, fast, quiet, extremely reliable (10/89) $669.00

AppleTalk Networks

Books
IN-002 Hands on AppleTalk (3/90) $21.95
AM-030 Apple: Understanding Computer Networks $9.95
AM-031 Apple: AppleTalk Network System Overview $14.95
AM-035 Apple: Inside AppleTalk $34.95

Network connectors
OE-001 Modem/Net 8-pin for Ile, Igs, new Macs (1/89) $34.95
OE-002 8-pin for old LaserWriters, old Macs (1/89) $34.95

Printers

Books
AM-008 Apple: ImageWriter II Technical Reference $19.95
AM-025 Apple: ImageWriter LQ Technical Reference $22.95
AM-028 Apple: LaserWriter Reference $19.95
TB-012 LaBasie: Build Your Own Laser Printer (7/89) $16.95
ST-004 Campbell: The RS-232 Solution, 2nd Ed (6/88) $21.95
CP-001 East: Handbook of Printer Commands (3 vols) (11/88) $69.95

Dot matrix printers
LC-001 Laser 190A ImageWriter-compatible serial printer (1/89) $249.00
LC-003 Laser 190A ImageWriter-compatible parallel printer (1/89) $199.00
LC-004 tractor feed attachment (1/89) $59.95
LC-007 5 ribbons (fit Laser 190A, Epson LX-80/90 & Olympia NP30 only) $14.95

Cables
RC-001 8 cable for Igs/Ice-Plus (1/89) $15.00
RC-002 8 cable for older Ice (1/89) $15.00
RC-003 8 cable for serial cards (1/89) $15.00
* 120 volts. Surface shipping to Canada or APO/FPO adrs $25.00

GS/OS Printer Drivers
SH-002 Seven Hills: Independence (3/91) $28.95
VZ-006 Vitesses: Harmonie Printer/Parallel Card Drivers (12/88) $37.00

Troubleshooting and repair
HS-004 SAMS Computerfacts: ImageWriter I (8/88) $24.95
HS-008 SAMS Computerfacts: ImageWriter II (8/88) $24.95

Other Peripherals
ZC-001 Zip GSX Accelerator for Igs (3/91) $199.00
Resource Central Catalog

Get the books, software, and equipment you need from the warmth of your own computer room. No handling fees or extra charges for surface shipping on most items, even though we ship within 24 hours. To order, use the self-mailer that was in the envelope with your publication.

New Stuff

Desktop Enhancer

Desktop Enhancer gives you control of your Apple Igs and GS/OS software in five nifty ways.

One: Change the color of your Finder's desktop. Choose a predefined color or create your own hue.

Two: Prevent monitor burn-in and let your computer entertain you. Desktop Enhancer inclues a screen saver that will animate your favorite graphic. The delay-till-blanking can be set between 1 and 30 minutes.

Three: Tired of listening to the same old system beep? Desktop Enhancer lets you use any Sound Studio format sound file for the system beep. You have the option of adding additional sounds that play when disks are inserted and ejected.

Four: Desktop Enhancer gives you a digital clock that you can display in a corner of your desktop or in a window.

Five: The clock includes up to three independent alarms, each of which can use its own sound file and display an optional message that you provide.

Any option you choose for Desktop Enhancer will stay that way until you decide to change it.

9S-010 Desktop Enhancer by Simeposity Software $24.95

Salvation Supreme

No this is not a pizza, but it is a great deal. Vitesse has put all five of its Salvation disk management utilities for the Igs together into one economical package. Until now, we've sold Vitesse's Guardian (disk backup utility), Renaissance (disk optimization utility), Exorciser (virus extirminator), Wings (program selector), and Deliverance (fix/edit disks) all separately. Now we can offer all of these great utilities in a single package at a much lower price. Separately the total cost would be $204.00.

VT-008 Salvation Supreme (All 5 Vitesse Packages) $99.00

CVTech GS-Memory

CVTech has just dropped the price on its 1, 2, 3, or 4 megabyte Apple Igs memory expansion cards. Now you can add memory to your Igs for less than ever before. Compared to last month's prices, it's like getting a megabyte of memory free!

Unlike similar cards, the GS-Memory includes a connector on the back for a 1 meg Apple memory card (up to 5 megs total memory) or a 4 meg Chnook card (up to 8 megs total). The card you plug into the connector must be full, but the CVTech card need not be. Neither Applied Engineering nor Cirtech memory cards will work in the connector, but most others will. The GS-Memory is DMA compatible under all circumstances. It will work with either a ROM 01 or ROM 03 Igs without modification.

CV-002-0 GS-Memory 0 meg $65.00
CV-002-1 GS-Memory 1 meg $99.00
CV-002-2 GS-Memory 2 meg $159.00
CV-002-3 GS-Memory 3 meg $219.00
CV-002-4 GS-Memory 4 meg $279.00

Seikosha SP-2000AP Dot Matrix Printer

Your local electronics superstore is filled with high-quality dot matrix printers that are cheaper than Apple Igs printers. The problem is that they don't respond correctly to the ImageWriter command codes that all Apple Igs software supports. You end up with a printer that has lots of fancy features, but your software can't use any of them.

Alternatively, you can get the Seikosha SP-2000AP from us. It costs much less, but is fully ImageWriter compatible. It comes with a serial interface and an adjustable tractor feed, automatic paper loading, and paper parking.

DC-009 Seikosha SP-2000AP Printer $249.00
DC-010 ribbon (also fits SP-800/1000 and Tandy DMP-130) $4.50

Still Hot Old Stuff

Avoid Aftershave & Perfume Holiday Sale

10% off all Books and Games

Once again we'll offer our famous holiday Avoid Aftershave and Perfume sale. Order any book or one of the following games from us between now and Dec 31 and take 10 percent off the price. The games we carry are:

JR-002 L.O. Silver (5.25 only) (79) $20.00
NO-002 Shadowforge (Night Owl Journal, 3.5 only) (90) $12.95
NO-003 Wealth: Devil's Demise (5.25 only) (90) $12.95
TB-010 Bouncing Bluster II (requires Igs: supplies limited) (59) $59.00

Last Chance to Save

Final reminder, on January 1, 1992 all of our subscription prices are going up $6. For example, the paper issue of A2-Central will go from $28/$34/$78 to $34/$60/$84. Since we are raising the two- and three- year rates by just $6, rather than by $12 and $18, they become an even better deal than before.

Even if you have already renewed for next year, you can extend the expiration date further and save money in the long run.

System 6.0 Updates

If you subscribe to A2-Central On Disk, we can send you a System 6.0 update, as soon as it's released by Apple, for a nominal charge to cover disks and shipping. System 6.0 will come on four disks. Apple is also planning a 5-disk version; the fifth disk is a preconfigured 900K disk for users without hard drives. Your order will be considered an addendum to your subscription. The disks will be sent to you under license by Apple as a part of your subscription. Disks will be mailed to you within a week of release of System 6.0 by Apple. When's that? "When it's done!" according to product manager Tim Swihart. We're betting on early January.

Our license with Apple allows us to send these disks to A2-Central on Disk subscribers only. If you're a subscriber to the newsletter, you can convert to disk. See page two for instructions.

S6-4 Igs System 6.0 (4 disks) $12.00
S6-5 Igs System 6.0 (5 disks) $15.00

WHAT! NO CATALOG NEXT MONTH?

Next month you will not be receiving a catalog with your newsletter. Every February, as all faithful A2-Central subscribers know, we replace the catalog with an index of the past year's issues. Be sure and keep this catalog for an extra month.
In General

A2-Central
A2-1 A2-Central 12 issues/yr. 8 pages 1 year $34.00
A2-2 An international clearinghouse of information for users of all 2 years $60.00
A2-3 types of Apple IIs. Winner of Best Apple II Publication award. 3 years $84.00
A2-N Full set of back issues in bound annual volumes and singles $49.00
A2-P Full set of paper back issues on 3.5 disks $49.00
OA-001 Volume 1 January 1985 – Jan 1986 $9.95
OA-003 Volume 3 February 1987 – Jan 1988 $9.95
OA-005 Volume 5 February 1989 – Jan 1990 $14.95

A2-Central on disk
AD-1 A2-Central on disk 12 issues/yr., paper newsletter & 3.5 disk 1 year $90.00
AD-2 Our award-winning newsletter plus a monthly disk 2 years $168.00
AD-3 filled with the best stuff we find online and in our mailbox. 3 years $240.00
AD89FS Annual Sets: 12 back issue disks Feb 89 to Jan 90 $60.00
AD90FS Annual Sets: 12 back issue disks Feb 90 to Jan 91 $60.00
Quarterly Sets Feb/Mar/Apr May/Jun/Jul Aug/Sep/Oct Nov/Dec/Jan 1989 $12.00
1990 $18.00
1991 $18.00
1992 $18.00
1993 $18.00
SUBSCRIPTION CONVERSIONS: Figure out how many disks you’ll get between the first one you want and the month your subscription expires and send us $4.75 per disk. NEW SUBSCRIPTIONS: By subscription, our disks cost less for what most user groups charge for public domain 3.5 disks, just 4.87 per disk ($80 - $34.12).

Hyperbole
HB1 Hyperbole 6 issues/yr. 3.5 disk, requires ilgs 1 year $48.00
HB2 A multimedia artistic and literary journal on disk, 2 years $87.00
HB3 There’s nothing else like it anywhere! 3 years $123.00
HB-91S1 Semiannual disk set (Feb/Apr/Jun/Sept) $20.00
HB-91S2 Semiannual disk set (Aug/Oct/Dec/Jan) $20.00
HB-91FS Annual disk set (Feb 91 to Dec 91) $36.00
HB-SAMP Hyperbole Sampler Disk (free with subscription of Hyperbole) $3.00

Books
CO-004 Compushare: Your Ilgs Guide (9/91) $21.95
CO-003 Compushare: GS/GS Guide (9/91) $9.95

AppleWorks

Publications
TO1 TimeOut-Central 6 issues/yr. 3.5 disk only 1 year $48.00
TO2 Editor Randy Brandt of Beagle & UltraMacros fame gives you 2 years $87.00
TO3 the latest AppleWorks & TimeOut tips, macros, and wares. 3 years $123.00
TO9001 Semiannual disk set (Sep/Oct/Nov/Dec) $18.00
TO9002 Semiannual disk set (May/Jun/Jul/Sept) $18.00
TO91FS Annual disk set (Sep 90/Sept 91) $32.00

Software
B2-001 SuperWorks (95/DOS AppleWorks clone) (9/91) $199.00

Books
DB-001 Using the DeskJet 500 Printer with AppleWorks (9/91) $20.00
IM-006 Aron: Using AppleWorks (Que) (5/90) $21.95
IM-027 Brown: Using AppleWorks GS (6/90) $19.95

TimeOut UltraMacros
BB-005 TimeOut UltraMacros (AppleWorks 3.0) (12/90) $49.95
MA-001 Munz: UltraMacros Primer (3/90) $19.95
MB-002 UltraAppleWorks (UltraMacros tutorial on 3.5 disk) (5/90) $19.95
MB-003 Ultra-AppleWorks (book, samples on 3.5 & 5.25) (5/90) $24.95
BB-006 MacoCase (requires UltraMacros 3.0) (12/90) $34.95
MB-001 Ultra AWareness: Macros require UltraMacros 3.0) (9/91) $19.95

Enhancements
JE-010 TotalControl (AppleWorks 3.0) (7/90) $49.95
FW-001 Elite Fantasy Football Management System (8/91) $79.95
JH-001 WriteWorks (Wrighter's project management) (8/91) $39.95
JE-008 Outline 3.0 (AppleWorks 3.0) (7/90) $39.00
JE-005 Pathfinder (AppleWorks 3.0) (7/90) $20.00
JE-006 SpellCheck (AppleWorks 3.0) (7/90) $12.95
JE-001 FlexiCalc (AppleWorks 2.x) (7/90) $30.00
JE-007 DoubleData Version 2.0 (AppleWorks 3.0) (7/90) $40.00
JE-004 Mr. Invoice Version 2.0 (AppleWorks 3.0) (7/90) $50.00

Patch programs
BH-004 Beagle AppleWorks 3.0 Companion (5/90) $39.95

Multimedia

Publications
SC1 Studio City 6 issues/yr. 3.5 disk only (formerly Stack-Central) 1 year $48.00
SC2 The latest tips and news for creators of HyperStudio 2 years $87.00
SC3 stacks, Tutorials, examples, clip art & sounds, and more. 3 years $123.00
SC90S1 Semiannual disk set (Feb/Apr/Jun 90) $20.00
SC90S2 Semiannual disk set (Aug/Oct/Dec 90) $20.00
SC91S1 Semiannual disk set (Feb/Apr/Jun 91) $20.00
SC91S2 Semiannual disk set (Aug/Oct/Dec 91) $20.00
SC90FS Annual disk set (Feb 90 to Dec 90) $36.00
SC91FS Annual disk set (Feb 91 to Dec 91) $36.00

WS1 Script-Central 6 issues/yr. 3.5 disk only 1 year $48.00
WS2 All about Apple's HyperCard Igs and HyperTalk, its scripting 2 years $87.00
WS3 language. Your letters, our XCMDs, Tools, Buttons – awesome! 3 years $123.00
WS91S1 Semiannual disk set (July/Sept/Nov 91) $20.00

Books
AN-034 Apple: Hypercard Stack Design (6/90) $16.95

Desktop Publishing

Desktop Publishing Software
TW-001 Publish It 3 (Enhanced Igs, any Ilgs or Igs) (8/91) $119.00
SH-004 GraphicWriter III (12/91) $99.95

Optical Character Recognition (Put an end to retyping)
WC-001 InWords (512k enhanced Igs or Ilgs) (3/91) $99.95

Fonts
SH-005 Font Factory (12/91) $99.95
PC-001 A2-Central Font Collection $39.00

8.3 disks of fonts in Shinfrakt format

Graphics/Imaging

Imaging
VI-001 Quickie Scanner (10/90) $219.95
DV-001 BW&ComputerEye Video Digitizer (B&W) (11/91) $199.95
DV-002 Enhancement Software (12/90) $22.95
DV-003 Igs Support Software for B&W Computer Eye (12/90) $22.95

Graphics
BB-007 Platinum Paint (for Igs) (3/91) $79.00
BB-008 Beagle Draw (for Igs) (11/91) $39.95
MM-004 Graphics Exchange (for Igs) (9/90) $37.50
RM-013 Graphics Exchange Library Disk #1 (12/91) $29.95
RM-012 Desktop Screen Saver (for Igs) (3/91) $24.95
RI-001 Second Chance (image enhancement software, Igs) (11/91) $39.95

Telecommunications

Telecommunications software
CS-001 Talk to Cheap (3/90) $40.00
TH-001 GEnie Master 4.0 (requires AWorks 3.0 & BIC or Point-To-Point) (1/91) $20.00
KG-001 Co-Pilot (GEnie interface for Igs) (1/91) $25.00
MD-003 ProLine Bulletin Board System (11/91) $149.95
MD-004 ModernWorks (11/91) $49.95

Books
CO-002 Compushare: Telecommunications Guide (5/91) $12.95
Bundles
CD-002 U.S. Modem Bundle (SC-001, CS-001, and 1 cable) $159.00

Modems
SC-001 Supra 2400 baud modem (110 volts) (190) $119.00
DC-008 Viva24m 2400 baud MNP 5 modem (110 volts) (391) $169.00

Cables
RC-001 6 cable for lgs/IIC-Plus (190) $15.00
RC-002 6 cable for older lgs (190) $15.00
RC-003 6 cable for serial cards (190) $15.00

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Ilgs Programming

Publications
8/16/Central our publication for Apple II programmers, was published monthly from March 1990 to October 1991.
ESBI Any 8/16/Central back issue on disk $10.00
ESBI3 Any three 8/16/Central back issues (3 disks at $5 each) $15.00
ESPS All 8/16/Central back issues (20 disks at $3.50 each) $79.00

Applesoft books
AM-040 Critchfield/Dwyer: Bit of Applesoft (990) $9.95
AM-038 Wintermeyer: Applesoft Toolbox (990) $9.95
AM-039 Myers: Graphics for the Apple II (990) $9.95
AM-010 Apple: Applesoft Tutor (w/disk) $29.95
AM-021 Apple: Applesoft Programmer's Reference $22.95

Applesoft development tools
BB-003 Program Writer (Applesoft program editor) (190) $37.50
BB-002 Beagle Compiler (ProDOS Applesoft compiler) (190) $59.00
KS-001 Microdot: Basic system replacement (891) $29.95
TS-002 Basic Help (Online Reference & Help) (891) $49.95

Other languages
AM-037 Seller/Weiss: Pascal for Basic Programmers * (990) $12.95
MS-002 Microl Advanced BASIC for lgs/IIC. (190) $89.00

ProDOS 8
AM-024 Apple: BASIC Programming with ProDOS (w/disk) $29.95
AM-023 Apple: ProDOS 8 Tech Ref (w/disk) $29.95
TB-006 Domz/Weishaar: ProDOS Inside and Out (888) $16.95
DS-002 disk for this book $10.00

Technical references
QS-002 Sather: Understanding the Apple II $22.95
QS-003 Sather: Understanding the Apple lgs $24.95
AM-003 Apple: Apple lgs Technical Reference $24.95
AM-004 Apple: Apple lgs Technical Reference $24.95

6502 assembly language
PD-002 ProDev 6502 Debugger for lgs (391) $189.00
PD-001 ProDev 6502 Debugger for lgs (391) $189.00
AM-012 Finley/Myers: Asm Lang for Applesoft Programmer (888) $18.95
RF-001 Wagner: Assembly Lines: The Book (888) $19.95
DS-004 disk for this book $15.95

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Ilgs Programming

High-level language tools
HyperTalk
AP-002 HyperCard lgs (391) $99.00

Pascal
BH-001 ORCA/Pascal (1190) $90.00
BH-002 Byte Works Learn to Program in Pascal Tutorial (1190) $50.00

C
BH-003 ORCA/C (1190) $90.00
BH-004 Byte Works Learn to Program in C Tutorial (1190) $50.00

BASIC
MS-001 Microl Advanced BASIC for the lgs (391) $99.00

Assembly language tools
CB-002 Wagner: lgs Machine Lang for Beginners (888) $19.95
DS-005 disk for this book (5.3) $15.95
SS-005 Likely/Eyus: Programming the lgs in Asm Lang disk for this book for APW $20.00
DS-009 disk for this book for Merca (1190) $10.00
DS-010 disk for this book for ORCA/C (1190) $20.00

Assemblers
BM-002 Merlin 8/16 (DOS 3.3) ProDOS 8, GS/OIS (190) $99.00
BM-005 ORCA/M Assembler VERSION 2.0 (1190) $90.00
BM-008 Merlin to ORCA Source Converter (1190) $18.00

Disassemblers
BM-007 ORCA Disassembler (1190) $30.00

Debuggers
PD-002 ProDev 65816 Debugger for lgs (391) $189.00

Universal development tools
SS-007 Genesys (GS/OIS Resource Creator/Editor) (690) $90.00
BM-009 Talking Tools (text to speech pkg for ORCA langs) (991) $49.95
SS-009 Edit-16 APW/ORCA/Erin replacement editor (391) $49.95
BM-006 Design Master (GS/OIS Resource Creator) (1190) $57.00
JE-009 Rose16 APW replacement editor (391) $15.00
AM-033 Programmer's Online Companion for the lgs (190) $37.50

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Hard Disk Drives

Hard drive books
CO-001 CompShare: Hard Drive Guide (591) $14.95
NA-002 Apple Hard Disk Primer (990) $16.95

External hard drives (require SCSI card)
A2-007 Resource Central 50 Meg (791) $439.00*
A2-006 Resource Central 100 Meg (591) $549.00*
A2-005 Resource Central 42 Meg Removable Media (591) $699.00*
AM-012 extra cartridges for 42 Meg drive (591) $99.00*
AM-014 extra cartridges for 42 Meg drive (591) $10.00*
AM-012 extra cartridges for 42 Meg drive (591) $20.00*

SCSI cards
AP-001 Apple High-Speed SCSI card (591) $119.00
CT-SC CIRTECH SCSI card (591) $129.00
CV-001 RAMfast SCSI card (591) $189.00

Disk management utilities
CH-001 Chinox Utilities for Apple SCSI cards (190) $30.00
GB-001 Proset 8 (for lgs/Ilc 3.5 disk, 5.25 on request) (190) $40.00
GB-002 Proset 16 (for lgs, includes Proset 8 features) (190) $85.00
V1-002 Salvation: Backup & Restore Utility (1090) $37.00
V1-003 Salvation: Renaissance (Optimization Utility) (1090) $37.00
V1-004 Salvation: Exerciser (Virus exterminator) (1090) $34.00
V1-005 Salvation: Wings (Program selector) (1090) $59.00
V1-007 Salvation: Deliverance (Fix/edit disks) (1290) $37.00
V1-008 Salvation: Supreme (All 5 Salvation Packages) (191) NEW $99.00

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Memory Expansion Cards

Ilgs memory expansion slot cards (supply limited on Chinox & Cirttech)
Chinox (5/90) CVtech (3/91) Cirttech (9/90)
RAM 4000 GS-Memory Primo
0K (empty) CH-002-0 $65.00 CV-002-0 $65.00 CT-0P $65.00
1 Megabyte CH-002-1 $99.00 CV-002-1 $99.00 CT-0P $99.00
2 Megabytes CH-002-2 $159.00 CV-002-2 $159.00 CT-0P $159.00
3 Megabytes not available CH-002-3 $219.00 CV-002-3 $219.00 CT-0P $219.00
4 Megabytes CH-002-4 $279.00 CV-002-4 $279.00 CT-0P $279.00
Call us! Voice: 913-469-6502

Ordering Information

If you received this catalog in the envelope with one of our publications, there was also a one-sheet self-mailer in the envelope. Your name, address, expiration date, and account number are already imprinted on one side of the self-mailer—on the other side you'll find an order form. Please don't send us a photocopy of the form unless you photocopy both sides.

If you received this catalog without a self-mailer, write your order on a plain sheet of paper and send it to:

Resource Central, Inc.
P.O. Box 11250
Overland Park, KS 66207
913-469-6502
fax:913-469-6507

Our flagship publication is the 8-page monthly newsletter, A2-Central. It's designed to be an international information clearinghouse for Apple II users of every persuasion. Subscription prices are listed in the General section of this catalog.

A newsletter/disk subscription to A2-Central is also available. You get both the paper newsletter and a 3.5 inch disk each month that's filled with useful goodies provided by our subscribers and guests.

In addition we publish 5.25-disk-based publications. See Resource Central Disk Sampler.

Resource Central Disk Sampler
Latest issue of A2-Central on disk, TimeOut-Central, Script-Central, and Studio City and Hyperbook sample disks.
RC-SAMP  Resource Central Disk Sampler $15.00

Memory chips
DRAM-256 Set of 8 256K chips for standard memory cards $25.00
DRAM-1 Set of 8 1-meg chips for standard memory cards $60.00
SRAM-32 Set of 2 chips for StatDisk (64K) $30.00

Standard slot cards for Ile or lgs
SD-4 Cirttech StatDisk, 512K (Battery-backed-up static) (10/88) $399.00
SD-8 1 Meg RAMDisk, fast, quiet, extremely reliable (10/88) $699.00

Books
IN-002 Hands on AppleTalk (3/89) $21.95
AM-305 Apple: Understanding Computer Networks $9.95
AM-335 Apple Inside AppleTalk $34.95

Network connectors
OE-001 Module/Net 8-pin for Ile, lgs, new Macs (1/89) $34.95
OE-002 8-pin for old LaserWriters, old Macs (1/89) $34.95

Printers

Dot matrix printers
DC-009 Seiko/Sharp SP-2000A Printer NEW $249.00
DC-010 ribbon (also fits SP-800/1000 and Tandy DMP-130) NEW $4.50

Cables
RC-001 6' cable for lgs/IIC-Plus (1/90) $15.00
RC-002 6' cable for older IIC (1/90) $15.00
RC-003 6' cable for serial cards (1/90) $15.00

GS/OS Printer Drivers
SH-002 Seven Hills: Independence (3/91) $29.95
VI-006 Vitesse: Harmonic Printer/Parallel Card Drivers (12/90) $37.00

Troubleshooting and repair
HS-004 Siemens Computerfacts: ImageWriter I (8/89) $24.95
HS-008 Siemens Computerfacts: ImageWriter II (8/89) $24.95

Other Peripherals
Accelerator
ZC-001 Zip GSX Accelerator for lgs (3/91) $199.00

Battery
NO-001 Little Owl Slide-On Battery Kit for lgs (3/90) $14.95

Math Coprocessor
IS-001 Floating Point Engine (4/90) $249.00

3.5 Disks and Drives
AM-001 AMR 3.5 drive (will not work with IIC) (1/90) $189.00
AM-002 Laser 3.5 drive controller for Ile (1/90) $59.00
A2-001 10 generic, blank 3.5 disks (4/90) $9.49
A2-002 100 blank, continuous labels for 3.5 disks (4/90) $1.99
A2-003 10 Static-Guard binder storage pages for 3.5 disks (3/90) $9.97

Fans
NO-004 Little Owl Super Cooler Fan for lgs (12/91) $24.95

Monitors
DC-003 Magnavox RGB Monitor for lgs (9/90) $319.00
RC-005 lgs RGB cable for Magnavox monitor $23.00
* 120 volts. Surface shipping outside U.S. $20.00

Other Topics

Desk accessories
SH-001 Disk Access (disk management NDA) (11/90) $30.00
RN-012 Desktop Screen Saver (3/91) $24.95
RN-010 Desktop Files Control (disk management NDA) (11/90) $24.00
RN-003 SoftSwitch (program switcher for lgs) (1/90) $45.00
RN-006 MacProbe (universal macros for lgs) (1/90) $37.50
SS-010 Desktop Enhancer (1/91) NEW $24.95

Education
BR-001 Diversi-Tune (for lgs) (1/90) $59.00
SB-001 GS/Numerecs (for lgs) (4/90) $79.95
IB-001 Weishaar: Your Best Interest (6/88) $9.95
VS-001 Vernier: Build a Better Mousetrap (7/88) $24.95
VS-002 Vernier: Chaos in the Laboratory (7/89) $25.95
TB-004 Horn: Smart Apples (6/88) $12.95

Troubleshooting and repair
HS-005 Siemens Computerfacts: IIC (8/89) $39.95
HS-003 Siemens Computerfacts: Disk II (8/89) $24.95

About this listing
Everything we carry doesn't fit in this catalog anymore, but we got almost everything in this month. The date shown with each item indicates the catalog that has a longer description of the item. We give a full description the first time an item appears in the catalog.
Resource Central Catalog

Get the books, software, and equipment you need from the warmth of your own computer room. No handling fees or extra charges for surface shipping on most items, even though we ship within 24 hours. To order, use the self-mailer that was in the envelope with your publication.

March 1992

New Stuff

Now you can get Apple's own tools from Resource Central

Resource Central is proud to announce that it has been selected by Apple's Apple Programmers and Developers Association (APDA) to be the distributor of Apple's developer and reference tools for the Apple II family of computers. Adding Apple's tools to our already large catalog of Apple II developer books and tools from third party sources, such as Addison-Wesley and The Byte Works, makes us the world's central source for these materials.

See the listings inside for product availability and pricing details.

Grand Opening Special

Order any APDA item (order codes DA-001 through DA-027) before June 1 and receive XRef, a glossary and combined index of Apple's books & tech notes, FREE! You must include XRef on your order form and order by June 1, 1992.

Sound Convert

Using sound with HyperCard lgs has been difficult up till now because HyperCard doesn't provide any way to get sounds into stacks other than importing them from other stacks.

Sound Convert is a new HyperCard lgs stack-based utility that can move sounds, in either direction, between your HyperCard stacks and four standard Apple lgs sound file formats. The supported sound file formats are HyperStudio, FutureSound, Applied Engineering, and Binary. It can also import from, but not export to, Midifile wave files.

What's more, Sound Convert lets you digitize sounds directly from within HyperCard lgs. If you have your own sound digitizer, it supports most existing third-party sound digitizing boards, including the HyperStudio and the SuperSonic digitizers, Sonic Blaster, Audio Animator, and FutureSound.

TV-003 Sound Convert $34.95

ShoeBox

Shoebox is a personal information management system. It provides an easy-to-use interface for recording and searching through information about your home, family, and belongings so that you have it readily available. Essentially, it allows you to organize the information commonly left in real shoe boxes.

Shoebox allows you to keep track of your income sources and expenses, to create a budget, and to track your vehicles, valuables, and family records. Additional features provide phone and address storage, electronic messages, appointment and "to do" reminders.

Sh-001 ShoeBox $49.95

Apple II 15th Anniversary Summer Conference

1992 marks the 15th anniversary of the Apple II. This year's A2-Central Summer Conference will revolve around celebrating that anniversary. Previous attendees have told us that they like everything about our conference, popularly known as "Kansas-Fest," but that what they like best is getting to know other people who have an appreciation of Apple II computing.

Make your plans to attend now. More details will follow in next month's catalog, but prices and schedules will be similar to last year. We are planning two days of colleges, two days of seminars, and two days of expo. Come for all or part of the fun. If you'd like to make a presentation at this year's conference, send us a written proposal by May 1. Include information on your topic, intended audience, and equipment and time requirements. Presenters earn a discount on conference expenses. Mark your calendar now!

AMR 5.25 Disk Drive

Here's an Apple-standard 5.25 floppy drive that connects to the disk connector on an Apple lgs, Apple linc, or Apple II emulator card in a Mac LC.

AM-003 AMR 5.25 Disk Drive $128.00

GS/OS System 6.0

Now anyone can get the APDA version of System 6 directly from us. See our February 1992 newsletter for details on what's included on System 6's six 3.5 disks.

We also have the APDA version of ProDOS 8 System Disk 3.3, which includes the latest version of ProDOS 8, Basic System, and Apple's file management utilities for Apple lile and lic systems.

DA-006 Apple: GS/OS System 6 $24.00

DA-002 Apple: ProDOS 8 System Disk 3.3 $14.00

ModuNet Network Connectors

We've carried these connectors for years, but never at a price like this. These are what you use to build in-home or classroom networks that allow several computers to share AppleTalk-compatible printers or Macintosh hard disks. You need one connector for each device on the network. Link connectors to each other with standard telephone wire. Wire can terminate with stripped ends or modular plugs. This special price expires April 1, 1992.

CB-001 ModuNet Network Connectors $16.95

Compute Books Closeout

We recently bought 25 copies of each of the following books on closeout from Compute Books. These books are now officially out-of-print, but you'll be able to get them from us until these copies are gone.

Compute's Second Book of Apple is a book of 30 Applesoft programs you can type in yourself, including home applications, graphic programs, fast action games, educational tools, and programming utilities.

Pushing AppleWorks to the Limit is a book for advanced AppleWorks users that covers topics such as installing AppleWorks on a hard drive, getting the most from the "Other Activities" menu, setting up custom printers, and advanced word processing, spreadsheet and database capabilities. Includes features in AppleWorks 3.0. Written by Vincent D. O'Connor.

Apple Machine Language for Beginners is an introduction to 6502 assembly language. Includes Applesoft listings for an assembler and a disassembler.

Works with any Apple II or Laser: DOS 3.3 or ProDOS.

CB-009 Computer's 2nd Book / Apple $14.95

CB-008 Pushing AppleWorks $14.95

CB-010 Apple Mach Lang for 8gars $18.95
C2 - A2-Central 12 issues/year, 8 pages 1 year $34.00
C2 - An international clearinghouse of information for users of all 2 years $60.00
C2 - Apple II User's World Best Apple II Publication award, 3 years $84.00
F9 - Full text of back issues in bound annual volumes and singles 49.00
F9 - Full text of paper back issues on 3.5 disks 49.00
G2-01 - Volume 1 January 1985 - Jan 1986 9.95
G2-02 - Volume 2 February 1986 - Jan 1987 9.95
G2-03 - Volume 3 February 1987 - Jan 1988 9.95
G2-04 - Volume 4 February 1988 - Jan 1989 9.95
G2-05 - Volume 5 February 1989 - Jan 1990 $14.95
G2-06 - Volume 6 February 1990 - Jan 1991 $14.95

A2-Central on disk
A2-3 A2-Central on disk 12 issues/year, paper newsletter & 3.5 disk 1 year $90.00
A2-3 Our award-winning newsletter plus a monthly disk 2 years $168.00
A2-3 filled with the best stuff we find online and in our mailbox. 3 years $240.00
A2-SAMP A2-Central on disk Sample Issue $3.00
A2D9FS Annual Sets: 12 back issue disks Feb 89 to Jan 90 $60.00
A2D9FS Annual Sets: 12 back issue disks Feb 90 to Jan 91 $60.00
A2D9FS Annual Sets: 12 back issue disks Feb 91 to Jan 92 $60.00
Quarterly Sets Feb-Mar-Apr May-Jun-Jul Aug-Sep-Oct Nov-Dec-Jan 1989 A2D6S1 A2D6S2 A2D6S3 A2D6S4 $18.00
1990 A2D0S1 A2D0S2 A2D0S3 A2D0S4 $18.00
1991 A2D1S1 A2D1S2 A2D1S3 A2D1S4 $18.00

SUBSCRIPTION CONVERSIONS: Figure out how many disks you'll get between the first one you want and the month your subscription expires and send us $4.75 per disk. NEW SUBSCRIPTIONS: By subscription, our disk cost for less than what most user groups charge for public-domain 3.5 disks, just 4.67 per disk (BBS - BBS/12).
**Ilgs Programming**

### Technical manuals

#### GS/OS
- DA-027: Apple: GS/OS Device Driver Reference
  - APDA NEW $29.00
- DA-026: Little: Exploring Apple GS/OS and ProDOS 8
  - (189) $21.95
- DS-006: *disk for this book (3.5)*
- AR-041: Apple: Apple Ilgs GS/OS Reference
  - (9/90) $29.00

#### Mac Programmer's Workshop Cross-Development Suite
- DA-019: Apple: Mac Ilgs Tools V 1.1
  - APDA NEW $80.00
- DA-016: Apple: Mac Ilgs Assembler V 1.0
  - APDA NEW $100.00
- DA-017: Apple: MacIlgs C V 1.0.1
  - APDA NEW $185.00
- DA-018: Apple: Mac Ilgs Pascal V 1.0.1
  - APDA NEW $175.00

### Other hardware
- DA-009: Apple: Memory Card (Slinkys) Reference
  - APDA NEW $15.00
- DA-010: Apple: Apple SCSI Card Reference
  - APDA NEW $15.00
- DA-011: Apple: Video Overlay Card Developers Kit
  - APDA NEW $19.00
- DA-012: Apple: Apple II+AppleShare Programmers Guide
  - APDA NEW $30.00

### High-level language tools
- HyperTalk
  - AP-002: HyperCard Ilgs
    - (3/91) $99.00

### Assembler language tools
- CB-002: Wagners: Ilgs Machine Lang for Beginners
  - (88) $19.95
- CB-005: disk for this book (3.5)
  - $19.95
- CB-006: Lichy/Eyes: Programming the Ilgs In Asm Lang
  - (9/90) $29.95
- CB-008: disk for this book for APW
  - (11/90) $10.00
- CB-010: disk for this book for Orca/C
  - (11/90) $10.00

### Disassemblers
- BM-002: Merlin 8/16 (DOS 3.3, ProDOS 8, GS/OS)
  - (3/91) $20.00
- BM-005: ORCA/M assembler VERSION 2.0
  - (9/90) $90.00
- BM-008: Merlin to Orca Source Converter
  - (11/90) $40.00

### Debugger
- DA-013: Apple: GS Bug and Other Debugging Tools
  - APDA NEW $30.00
- PD-002: ProDev 65016 Debugger for Ilgs
  - (3/91) $185.00

### Universal Development tools
- DA-020: Apple: Apple Ilgs Icon Editor V 1.1
  - APDA NEW $80.00
  - APDA NEW $20.00
- SS-007: Genesis (GS/OS Resource Creator/Editor)
  - (9/90) $90.00
- BM-009: Talking Tools (text to speech pkg for ORCA langs)
  - (9/90) $49.95
- BM-009: Edit-16 APW/ORCA/Merlin replacement editor
  - (9/90) $49.95
- SS-006: Design Master (GS/OS Resource Creator)
  - (11/90) $57.00
- BE-009: Ros64 APW replacement editor
  - (3/91) $15.00
- BM-033: Programmer's Online Companion for the Ilgs
  - (190) $37.50

### 6502 assembly language

- BM-012: Finley/Myers: Assm Lang for AppleSofts Progrmmr
  - (88) $16.95
- BM-001: Wagner: Assembly: Lines The Book
  - (9/90) $19.95
- BM-004: *disk for this book*

### Books

- BM-036: Apple: Apple Ilgs Reference
  - (9/90) $29.00

### Tools

- BM-030: Apple: ProDev 6502 Debugger for Ilgs
  - (3/91) $185.00
- BM-001: Apple: Apple Ilgs Programmers Guide
  - (9/90) $29.00

### Applesoft books

- BM-005: Apple: Applesoft Reference
  - (9/90) $9.95
- BM-010: Apple: Applesoft Tutorial (w/disk)
  - APDA NEW $29.95
- BM-021: Apple: Applesoft Programmer's Reference
  - APDA NEW $22.95

### Applesoft development tools

- BM-011: Apple: Apple Ilgs Programmer's Reference
  - APDA NEW $29.95
- BM-012: Apple: Apple Ilgs Reference
  - APDA NEW $39.95
- BM-013: Apple: Apple Ilgs Software Reference
  - APDA NEW $26.95
- BM-014: Apple: Apple Ilgs Firmware Reference
  - APDA NEW $24.95
- BM-015: Apple: Apple Ilgs Firmware Reference 3.0 Update
  - APDA NEW $24.95

### Books

- BM-036: Apple: Apple Ilgs Reference
  - (9/90) $39.95

### Technical references

- BM-036: Apple: Apple Ilgs Reference
  - (9/90) $39.95

### Disk drive books

- CO-001: CompuShare: Hard Drive Guide
  - (5/91) $14.95
- NT-002: Apple Hard Disk Primer
  - (9/90) $16.95

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**Hard Disk Drives**

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**Publications**

8/16-Central: our publication for Apple Ilgs programmers, was published monthly from March 1990 to October 1991.
Ordering Information

Call us! Voice: 913-469-6502
Fax: 913-469-6507

Our flagship publication is the 8 page monthly newsletter A2-Central. It's designed to be an international information clearinghouse for Apple II users of every persuasion. Subscription prices are listed in the General section of this catalog.

A newsletter disk subscription to A2-Central is also available. You get both the paper newsletter and a 3 1/2 inch disk each month that's filled with useful goodies provided by our subscribers and guests.

We publish four additional 3.5 disk-based publications:

Resource Central Disk Sampler

See the listings inside for prices: TimeOut-Central, for AppleWorks and TimeOut users (listed under AppleWorks), Stack-Central, for HyperStudio users (HyperMedia), Script-Central, for HyperCard lgs users (HyperMedia), and Hyperbole, a literary and artistic journal on disk (In General).

Back Issues

Back issues of all our publications are available singly or in sets. Back issue sets are listed in the catalog with each publication. Single back issues of any of our disk publications cost $10 each. A2-Central on paper back issues are $2 each. Or you can get a full text of all A2-Central back issues for just $39. Please specify whether you want paper back issues or text files on 3.5 disks.

External hard drives (require SCSI card)

A2-007 Resource Central 50 Meg (7/91) $439.95
A2-003 Resource Central 100 Meg (5/91) $549.95
A2-006 Resource Central 42 Meg Removable Media (5/91) $499.95
DC-007 extra cartridges for 42 Meg drive (5/91) $99.95
* Surface shipping to Canada or APO/FPO ads $10.00
* Surface shipping to other points outside U.S. $20.00

SCSI cards

AP-001 Apple High-Speed SCSI card (5/91) $119.00
CT-SC CITRECH SCSI card (5/91) $129.00
CV-001 RAMFast SCSI card (5/91) $189.00

Disk management utilities

Sorry, no room this month. See next month's catalog

Memory Expansion Cards

Lgs memory expansion slot cards (supply limited on Chinnock & Cittech)

Chinnock (5/90) CVTech (3/91) Cittech (9/90)
RAM 4000 GS-Memory Primo
OK (empty) CH-002-0 $65.00 CV-002-0 $65.00 CT-002-0 $65.00
1 Megabyte CH-002-1 $99.00 CV-002-1 $99.00 CT-002-1 $99.00
2 Megabytes CH-002-2 $150.00 CV-002-2 $150.00 CT-002-2 $150.00
3 Megabytes not available $219.00 not available
4 Megabytes CH-002-4 $279.00 CV-002-4 $279.00 CT-002-4 $279.00

Memory chips

DRAM-256 Set of 8 256K chips for standard memory cards $25.00
DRAM-1 Set of 1 Meg chip for standard memory cards $60.00
DRAM-32 Set of 2 chips for StatDisk (64K) $30.00

Standard slot cards for Ile or lgs

SD-4 Cittech StatDisk, 512K (Battery backed-up static) (10/88) $389.00
SD-4A 1 Meg RAM/MDisk, fast, quiet, extremely reliable $699.00

AppleTalk Networks

Books

DM-002 Hands on AppleTalk (3/90) $21.95
MM-030 Apple Understanding Computer Networks $9.95
MM-035 Apple Inside AppleTalk $34.95

Network connectors

CE-001 Modem/Net 8-pin for Ile, lgs, new Macs (special price till April 1) ▼ $16.95

Printers

Books

AM-008 Apple ImageWriter II Technical Reference $19.95
AM-022 Apple ImageWriter I Technical Reference $12.95
AM-028 Apple LaserWriter Reference $19.95
SY-003 Campbell: The RS-232 Solution, 2nd Ed (6/88) $21.95

Dot matrix printers

DC-009 Selkorsa SF-2000/MP Printer (2/92) $249.95
DC-010 ribbon (also lgs SF-800/1000 and Tandy DMP-130) (2/92) $4.50

Other Peripherals

Accelerator

EC-001 Zip GSX Accelerator for lgs (3/91) $199.00

Battery

NO-001 Nite Owl Slide-On Battery Kit for lgs (3/90) $14.95

Math Coprocessor

IS-001 Floating Point Engine (4/90) $249.00

Disk Drives

AM-001 AMR 3.5 drive (Ile with AM-002, lgs) (1/90) $189.00
AM-003 AMR 5.25 drive (Ile/ls, Mac LC) (5/92) NEW $129.00
AM-002 Laser 3.5 drive controller for Ile (1/90) $59.00

Fans

NO-004 Nite Owl Super Cooler Fan for lgs (12/91) $24.95
CTFAN-8 CITRECH Cool-It fan for Apple Ile (1/90) $44.00

Monitors

DC-003 Magnavox RGB Monitor for lgs (9/90) $319.00*
PC-005 Igs RGB cable for Magnavox monitor + $23.00
120 Volts. Surface shipping outside U.S. + $20.00

Other Topics

Data Base

SH-006 ShoeBox (3/92) NEW $49.95

Other

CB-009 Computer's Second Book of Apple (3/92) NEW $14.95
CB-010 Mankind: Apple Machine Language for Beginners (3/92) NEW $18.95
SB-006 Cross-Works (PRODOS -> MS-DOS) (4/90) $79.95
TB-009 Photonix II (requires lgs) (5/91) $45.00
TB-003 Discovering Science on Your Apple (1/90) $14.95
TB-004 Horse Smart Apples (6/88) $12.95
FD-001 FindData Pro (full text search utility) (1/90) $49.95
HS-011 HowardSoft Tax Preparer (ships February '92) (12/91) $199.00

Education

EB-001 Diversi-Tune (for lgs) (1/90) $59.00
SB-001 GS/NUmerics (for lgs) (4/90) $79.95
SB-002 GS/NUmerics (for lgs) (4/90) $79.95
VS-001 Ventura Build a Better Mousetrap (7/91) $29.95
VS-002 Ventura Chaos in the Laboratory (7/91) $25.95

About this listing

Everything we carry doesn't fit in this catalog anymore. The date shown with each item indicates the catalog that has a longer description of the item. We give a full description the first time an item appears in the catalog.
The A2-Central Summer Conference

Celebrating 15 years of Apple II computing

Time flies when you're having fun!

July 21 to 24

Join us again this year in Kansas City for the FOURTH annual A2-Central Summer Conference.

Two-day Colleges

If you come for Tuesday and Wednesday's activities, you'll have your choice of one of three two-day developer colleges. One of these will be an introduction to Pascal programming on the Apple IIgs by Mike Westerfield, developer of the Orca series of development tools from The Byte Works. The second will be an introduction to C programming on the Apple IIgs by Walker Archer and Gary Morrison. The third will be an intensive look at Apple IIgs Sound and Graphics programming, which will be led by Nate Trott, Chris McKinsey, and Bill Heineman.

KansasFest

If you come for Thursday and Friday's activities, you'll get our best summer conference ever — two days packed with sessions about the Apple II. Apple II will once again attend this portion of our conference. In addition, we'll have a bunch of old timers around to reminisce with you and a bunch of new timers to tell you about their dreams for the Apple II's next 15 years.

Facilities

Like last year's summer conference, most of our sessions will be held at a state-of-the-art conference facility owned by the National Office Machine Dealers' Association (NOMDA) in Kansas City, Mo. This facility is within networking distance of Avila College, where our conference has been held in the past and where, once again, we'll be able to provide dormitory rooms and meals to those who want to have the best time possible meeting and learning from other developers.

Make your plans to attend now. Whether you come for one day or more, we promise you'll enjoy the sessions you'll attend and the people you'll meet.

You must register by June 1 to get the best prices. We have private rooms available at Avila this year, or, if you choose double-occupancy and save some money, Avila's prices include evening and morning meals surrounding the nights of your stay. College and conference prices include lunch.

If you like, you can pay for the sessions only and make your own hotel and transportation arrangements. Or you can eat and stay at Avila for $30 a night ($40 for a private room). And, for $50 more, we'll arrange to have you met at the airport and brought directly to Avila and returned. This final option would cover all of your costs for the conference except airfare.

Facilities

If you'd like to make a presentation at this year's conference, send us a proposal by May 1. Tell us about your topic, intended audience, and equipment and time requirements. Presenters earn a discount!

Registration Information

Tuesday & Wednesday

CONF-GS Graphics & Sound College before after
CONF-P Pascal College June 1 June 1
CONF-C C College

College of choice (lunch incl) $150 $175

Thursday & Friday

CONF KansasFest (lunch incl) $300 $350

Accommodations

AIRPORT/AVILA ROUND TRIP $30 $35

AVILA-1 2 Meals, Private Room, per day $40 $45

AVILA-2 2 Meals, Double Room, per day $35 $35

Rooms at Avila include buffet breakfast and dinner the night of your stay and breakfast the next morning. You must indicate which nights you want to stay at Avila. Accommodations are not available before Monday the 20th.

New Stuff

Pointless

In the Mac and MS-DOS worlds, the equivalent program to Pointless is the best-selling Adobe Type Manager. Pointless displays fonts on your screen or printer with sharp edges at any point size. Pointless works with any GS/OS program, including favorites like HyperStudio, HyperCard Ilgs, GraphicWriter III, Platinum Paint, and AppleWorks Q5.

Pointless works with the same TrueType fonts popular on the MacIntosh. The package includes New York, Geneva, Courier and Courier Bold, Monaco, Chicago, and Symbol. Unlike Ilgs fonts, you don't need a separate file for each point size. One TrueType font file and Pointless can create any size of type you want — without jaggies. Public Domain and ShareWare TrueType fonts are widely available in places such as our font library on QNet.

DreamGraphix

DreamGraphix is a painting program. What makes it different from the others is that it allows you to create or edit 256-color and 3200-color 320-mode SHR graphics. Other paint programs limit you to 16 colors.

DW-001 DreamGraphix $74.95

WC-002 Pointless $49.95

New Books

Planning and Managing AppleTalk Networks

This new book from Apple and Addison-Wesley is the best guide we've seen to planning and maintaining an AppleTalk network. The book thoroughly discusses the principles of planning, managing, and trouble-shooting a network. Includes such topics as file sharing and electronic mail, connections to Ethernet and Token Ring, topologies, security, and maintenance guidelines.

AW-043 Planning AppleTalk Networks $18.95

Ongoing Specials

ModuNet Network Connectors: Let your Ilgs talk to your MacIntosh. New package includes 7 foot modular telephone cable with each connector. Price expires April 1, 1992.

OE-001 ModuNet Network Connectors $16.95

Order any APDA item (order codes DA-001 through DA-027) and receive XRef, a glossary and combined index of Apple manuals. FREE! You must include XRef on your order form and order by June 1, 1992.

System 6 News

GS/OS System 6 has not yet been released. If you've ordered it from us, we're holding your order and will ship your disks within a week of release.

Upcoming Products

Lots of neat stuff is upcoming, including the GS/OS System 6 Boxed Set, which includes the manuals you've been waiting for, and the GS/OS Golden Master CD-ROM, plugged to the jills with goodies.

We're also preparing to stock a new Apple Ilgs personal accounting program called Your Money Matters. The demos we've seen have us drooling. The program includes graphing, budgeting, split and recurring transactions, and much much more.
In General

A2-Central
A2-1 A2-Central 12 issues/yr. 8 pages 1 year $34.00
A2-2 An international clearinghouse of information for users of all 2 years $60.00
A2-3 types of Apple IIs. Winner of Apple II Publication award. 3 years $84.00
A3-N Full set of back issues in bound annual volumes and singles $49.00
A3-D Full text of paper back issues on 3.5 disks $49.00
OA-001 Volume 1 January 1985 - Jan 1986 $9.95
OA-002 Volume 2 February 1986 - Jan 1987 $9.95
OA-003 Volume 3 February 1987 - Jan 1988 $9.95
OA-004 Volume 4 February 1988 - Jan 1989 $9.95
OA-005 Volume 5 February 1989 - Jan 1990 $14.95
OA-006 Volume 6 February 1990 - Jan 1991 $14.95
OA-007 Volume 7 February 1991 - Jan 1992 NEW $14.95

A2-Central on disk
A2-1 A2-Central disk 12 issues/yr. paper newsletter & 3.5 disk 1 year $90.00
A2-2 Our award-winning newsletter plus a monthly disk 2 years $180.00
A2-3 filled with the best stuff we find online and in our mailbox. 3 years $240.00
A2-SAMP A2-Central disk Sample Issue $3.00
AD89FS Annual Sets: 12 back issue disks Feb 89 to Jan 90 $60.00
AD90FS Annual Sets: 12 back issue disks Feb 90 to Jan 91 $60.00
AD91FS Annual Sets: 12 back issue disks Feb 91 to Jan 92 $60.00
Quarterly Sets: Feb/Mar/Apr May/Jun/Jul Aug/Sep/Oct Nov/Dec/Jan $12.00
1989 AD89S1 AD89S2 AD89S3 AD89S4 $18.00
1990 AD90S1 AD90S2 AD90S3 AD90S4 $18.00
1991 AD91S1 AD91S2 AD91S3 AD91S4 $18.00

SUBSCRIPTION CONVERSIONS: Figure out how many disks you'll get between the first one you want and the month your subscription expires and send us a $7.50 per disk. **NEW SUBSCRIPTIONS:** By subscription, our disks cost less than what most user groups charge for public domain disks, just 4.67 per disk ($80 - $84)/12.

HyperBol
HB1 HyperBol 6 issues/yr. 3.5 disk, requires Igs 1 year $48.00
HB2 A multimedia artistic and literary journal on disk 2 years $87.00
HB3 There's nothing else like it anywhere! 3 years $123.00
HB-SAMP HyperBol Sampler Disk $3.00
HB-91S1 Semiannual disk set (Feb/Apr/Jun 91) $20.00
HB-91S2 Semiannual disk set (Aug/Oct/Dec 91) $20.00
HB-91FS Annual disk set (Feb 91 to Dec 91) $36.00

System Disks
DA-002 Apple: ProDOS 8 System Disk 3.3 (5.25 disk) APDA NEW $14.00
DA-006 Apple: GS/GS System 6 (6-3.5 disks) APDA NEW $24.00

AppleWorks
Publications
T01 TimeOut-Central 6 issues/yr. 3.5 disk only 1 year $48.00
T02 Editor Randy Brandt of Beagle & UltraMacros fame gives you 2 years $87.00
T03 the latest AppleWorks & TimeOut tips, macros, and wires. 3 years $123.00
T0-SAMP TimeOut-Central Sampler Disk $3.00
T090S1 Semiannual disk set (Sep/Nov/3rd) $18.00
T091S1 Semiannual disk set (May/Jul/Sep 91) $18.00
T091S2 Semiannual disk set (Aug/Oct/Dec 91) $18.00
T091FS Annual disk set (Sep 90/Sep 91) $32.00

Software
RT-007 SuperWorks /95-DOS AppleWorks clone (9/91) $199.00

Books
CB-008 Pushing AppleWorks to the Limit (3/92) $14.95
MB-010 AppleWorks Made Easy (3/92) $19.95
DB-001 Using the DeskJet 500 Printer with AppleWorks (9/91) $20.00
IN-006 Aeron: Using AppleWorks (Q) (6/91) $21.95
IN-027 Brown: Using AppleWorks GS $19.95

TimeOut UltraMacros
BB-005 TimeOut UltraMacros (AppleWorks 3.0) (12/90) $49.95
BA-001 Manus: UltraMacros Primer (3/90) $19.95

Enhancements
JE-008 Outline 3.0 (AppleWorks 3.0) (9/90) $30.00
JE-005 PathFinder (AppleWorks 3.0) (7/90) $20.00
JE-006 SpellCopy (AppleWorks 3.0) (7/90) $12.50
JE-010 TotalControl (AppleWorks 3.0) (7/91) $49.95
JE-001 Writter (Writters: project management) (6/91) $39.95
JE-001 FlexiCal (AppleWorks 2.5 or 3.0) (7/90) $30.00
JE-007 DoubleData Version 2.0 (AppleWorks 3.0) (7/90) $40.00

Multimedia
Patch programs BB-004 BeagleWorks 3.0 Companion Plus (5/90) $39.95

Books
NM-034 Apple: Hypercard Stack Design $16.95

Multimedia Software
WM-005 HyperStudio (for Igs) VERSION 3.0 (1/90) $125.00
WM-009 HyperStudio Xcommands. Vol 1 (12/90) $39.95
GC-001 Nexus (for Igs) (12/90) $69.95
AP-002 HyperCard Igs (3/91) $99.00

Clip art
WM-007 HyperStudio Clip-Art. Vol 1 (11/91) $19.95
WM-011 HyperStudio Clip-Art. Vol 2 (3/91) $24.95
TV-002 ClipArt Plus (3/91) $39.95
DS-011 ClipVision 1.1 (3/91) $29.95

Sound
WM-008 HyperStudio ClipSounds. Vol 1 (11/91) $19.95
TV-001 ClipTunes (2 disks) (3/91) $39.95
DS-012 ClipSounds (10 disks) (3/91) $59.95
DS-013 ClipSounds Vol 2 (5 disks) (12/91) $29.95

Desktop Publishing
Desktop Publishing Software
TW-001 Publish It 4 (Enhanced Ile, any Irc or Igs) (8/91) $119.00
BB-004 GraphicWriter III (12/91) $99.95

Fonts
MC-002 Pointless (4/92) NEW $49.95
SH-001 Font Factory (12/91) $39.95
FC-001 A2-Central Font Collection $39.00

Imaging
V1-001 Quickie Scanner (10/90) $219.95
IN-005 InWorks (512 enhanced Ile or Igs) (3/91) $99.00

Graphics
HM-001 DreamGraphix (4/92) NEW $74.95
BB-007 Platinum Paint (for Igs) (3/91) $79.00
BB-008 Seagull Draw (for Igs) (11/91) $69.00
SH-003 Jason Harper's SuperConvert (for Igs) (7/91) $39.95
RM-004 Graphics Exchange (for Igs) (1/90) $37.50
RM-013 Graphics Exchange Library Disk #1 (12/91) $29.95
RM-012 Desktop Screen Saver (for Igs) (3/91) $24.95
RM-011 Second Chance (image enhancement software. Igs) (11/90) $39.95

Telecommunications
Telecommunications software
CS-001 Talk is Cheap (3/90) $40.00
TH-001 GEnie Master 4.0 (requires AWorks 3.0 & TIC or Point-to-Point) (1/90) $20.00
KG-001 Co-Pilot (GEnie interface for Igs) (1/91) $25.00
MD-003 ProLine Bulletin Board System (11/91) $149.95
MD-004 ModernWorks (11/91) $49.95
Books
CO-002  Compushare: Telecommunications Guide  (591)  $12.95

Bundles
CD-002  U.S. Modem Bundle (SC-001, CS-001, and 1 cable)  $159.00

Modems
SC-001  Supra 2400 baud modem (110 volts)  (1/80)  $119.00
DC-088  VIVa24m 2400 baud MNP 5 modem (110 volts)  (3/91)  $169.00

Cables
RC-001  6' cable for Igs/IIC-Plus  (1/80)  $15.00
RC-002  6' cable for older Ic  (1/80)  $15.00
RC-003  6' cable for serial cards  (1/80)  $15.00

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Igs/IIC Programming

Applesoft

Books
CB-009  Computer's Second Book of Apple  (3/82)  $14.95
AM-040  Crichton/Dyer: Bit of Applesoft  (8/90)  $9.95
AM-039  Myres Graphics for the Apple II  (9/90)  $9.95
AM-010  Apple: Applesoft Tutorial (w/disk)  $29.95
AM-021  Apple: Applesoft Programmer's Reference  $22.95

Tools
DA-001  Apple: Apple Fleecard Toolkit  APDA NEW  $19.00
BB-003  Program Writer (Applesoft program editor)  (1/90)  $37.50
BB-002  Beagle Compiler (ProDOS Applesoft compiler)  (1/90)  $59.00
RS-001  Microdot (Basic system replacement)  (9/91)  $29.95
LS-002  Basic Help (Online Reference & Help)  $49.95

Pascal

Books
AM-037  Selten/Weiss: Pascal for Basic Programs  (9/90)  $12.95

Tools
DA-024  Apple II Pascal V.1.3  APDA NEW  $69.00
DA-018  Apple II Pascal Desktop Toolkit  APDA NEW  $30.00
DA-001  Apple: Apple Fleecard Toolkit  APDA NEW  $19.00

Other languages
MS-022  Nicol Advanced BASIC for Igs/Iic  (1/90)  $89.00
DA-004  Apple: Apple II SuperPILOT  APDA NEW  $69.00

ProDOS 8

DA-021  Apple: High Speed SCSI Card Utilities  APDA NEW  $30.00
AM-032  ProDOS 8 Programmer's Manual, supply limited  APDA NEW  $20.00
AM-023  ProDOS 8 Tech Ref, supply limited  APDA NEW  $20.00
TB-006  Doms/Weishaar: ProDOS Inside and Out  (6/88)  $16.95
DS-002  disk for this book  $10.00

DOS 3.3

DA-020  Apple: DOS 3.3 User's Manual, supply limited  APDA NEW  $20.00
AM-023  ProDOS 3.3 Programmer's Manual, supply limited  APDA NEW  $20.00
AM-038  Wintermeyer Applesoft Toolbox  (9/90)  $9.95
QS-001  Beneath Apple Prodos  $19.95

Technical references
DA-007  Apple: Apple IIc Tech Ref 2nd Ed (1989)  APDA NEW  $30.00
DA-018  Apple: Apple Memory Card Reference  APDA NEW  $15.00

6502 assembly language

CB-010  Mansfield Apple Machine Language for Beginners  (3/82)  $18.95
DA-005  Apple: ProDOS Assembly Tools  APDA NEW  $35.00
DA-025  Apple: Desktop Toolkit  APDA NEW  $30.00
DA-001  Apple: Apple Fleecard Toolkit  APDA NEW  $19.00
PD-001  ProDev 6502 Debugger for Igs  (3/81)  $189.00

Other hardware
DA-009  Apple: Memory Card (Slinky) Reference  APDA NEW  $15.00
DA-010  Apple: Apple IIc Card Reference  APDA NEW  $15.00
DA-011  Apple: Video Overlay Card Developer's Kit  APDA NEW  $19.00
DA-012  Apple: Apple II AppleShare Programmers Guide  APDA NEW  $30.00

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Igs Programming

Technical manuals
GS/OS
DA-027  Apple: GS/OS Device Driver Reference  APDA NEW  $29.00
AM-026  Little: Exploring Apple GS/OS and ProDOS 8  (188)  $21.95

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Mac Programmer's Workshop Cross-Development Suite

DA-019  Apple: Igs/IIC Tools V.1.1  APDA NEW  $50.00
DA-016  Apple: Igs/IIC Assembler V.1.0  APDA NEW  $50.00
DA-017  Apple: Igs/IIC C V.1.0.1  APDA NEW  $50.00
DA-018  Apple: Igs/IIC Pascal V.1.0.1  APDA NEW  $175.00

Hard Disk Drives

Hard drive books
CO-001  Compushare: Hard Drive Guide  (591)  $14.95
NA-002  Apple Hard Disk Primer  (906)  $16.95
**Ordering Information**

**Call us!** Voice: 913-469-6502

If you received this catalog in the envelope with one of our publications, there was also a one-sheet self-mailer in the envelope. Your name, address, expiration date, and account number are already imprinted on one side of the self-mailer—on the other side you'll find an order form. Please don't send us a photocopy of the form unless you photocopy both sides.

If you received this catalog without a self-mailer, write your order on a plain sheet of paper and send it to:

Resource Central, Inc.
P.O. Box 11250
Overland Park, KS 66207
913-469-6502 fax: 913-469-6507

**External hard drives (require SCSI card)**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>A2-007</td>
<td>Resource Central 50 Meg</td>
<td>$439.00</td>
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<tr>
<td>A2-005</td>
<td>Resource Central 100 Meg</td>
<td>$549.00</td>
</tr>
<tr>
<td>A2-006</td>
<td>Resource Central 42 Meg Removable Media</td>
<td>$699.00</td>
</tr>
<tr>
<td>DC-007</td>
<td>extra cartridges for 42 Meg drive</td>
<td>$99.00</td>
</tr>
<tr>
<td></td>
<td>* Surface shipping to Canada or APO/FPO addrs</td>
<td>$10.00</td>
</tr>
<tr>
<td></td>
<td>* Surface shipping to other points outside U.S.</td>
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</table>

**SCSI cards**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
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<tbody>
<tr>
<td>CT-00C</td>
<td>CIRTECH SCSI card</td>
<td>$129.00</td>
</tr>
<tr>
<td>CV-001</td>
<td>RAMfast SCSI card</td>
<td>$189.00</td>
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</table>

**Disk management utilities**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>V1-002</td>
<td>Salvation: Bbupak (Backup &amp; Restore Utility)</td>
<td>$37.00</td>
</tr>
<tr>
<td>V1-003</td>
<td>Salvation: Renaissance (Optimization Utility)</td>
<td>$37.00</td>
</tr>
<tr>
<td>V1-004</td>
<td>Salvation: Exxorci (Virus exterminator)</td>
<td>$34.00</td>
</tr>
<tr>
<td>V1-005</td>
<td>Salvation: Wings (Program selector)</td>
<td>$59.00</td>
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<tr>
<td>V1-007</td>
<td>Salvation: Deliverance (fix/edit disks)</td>
<td>$37.00</td>
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<tr>
<td>V1-008</td>
<td>Salvation Supreme (All 5 Salvation Packages)</td>
<td>$99.00</td>
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**Memory Expansion Cards**

**Ilgs memory expansion slot cards** (supply limited on Chiconk & Cirtch)

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
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<tbody>
<tr>
<td>Chiconk (5/90)</td>
<td>RAM 4000 GS-Memory Primo</td>
<td></td>
</tr>
<tr>
<td>CVTech (3/91)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cirtch (9/90)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 Megabyte</td>
<td>$65.00</td>
<td></td>
</tr>
<tr>
<td>2 Megabytes</td>
<td>$99.00</td>
<td></td>
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<tr>
<td>3 Megabytes</td>
<td>$159.00</td>
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<tr>
<td>4 Megabytes</td>
<td>$279.00</td>
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**Standard slot cards for Ile or Ilgs**

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<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>SD-4</td>
<td>CirtchStatDisk, 512K (Battery backed-up static)</td>
<td>$389.00</td>
</tr>
<tr>
<td>SD-8</td>
<td>1 Meg RAM disk, fast. quiet. extremely reliable</td>
<td>$699.00</td>
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**AppleTalk Networks**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
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<tbody>
<tr>
<td>NM-043</td>
<td>Planning &amp; Managing AppleTalk Networks</td>
<td>$18.95</td>
</tr>
<tr>
<td>IN-002</td>
<td>Hands on AppleTalk</td>
<td>$21.95</td>
</tr>
<tr>
<td>NM-030</td>
<td>Apple: Understanding Computer Networks</td>
<td>$9.95</td>
</tr>
<tr>
<td>NM-035</td>
<td>Apple: Inside AppleTalk</td>
<td>$34.95</td>
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**Printers**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
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<tbody>
<tr>
<td>NW-008</td>
<td>Apple: ImageWriter II Technical Reference</td>
<td>$19.95</td>
</tr>
<tr>
<td>NW-025</td>
<td>Apple: ImageWriter LQ Technical Reference</td>
<td>$22.95</td>
</tr>
<tr>
<td>NW-028</td>
<td>Apple: LaserWriter Reference</td>
<td>$19.95</td>
</tr>
<tr>
<td>SY-003</td>
<td>Campbells: The KS-232 Solution, 2nd Ed</td>
<td>$21.95</td>
</tr>
<tr>
<td>TB-012</td>
<td>LaFradie: Build Your Own Laser Printer</td>
<td>$16.95</td>
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See the listings inside for prices: *TimeOut-Central*, for AppleWorks; and *TimeOut-users* (listed under *AppleWorks*), Stack-Central, for HyperStudio users (HyperMedia); Script-Central, for HyperCard Igs users (HyperMedia), and Hyperbole, a literary and artistic journal on disk (In General).

**Back Issues**

Back issues of all our publications are available singly or in sets. Back issue sets are listed in the catalog with each publication. Single back issues of any of our disk publications cost $10 each. A2-Central on paper back issues are $2 each. Or you can get a full text of all A2-Central back issues for just $39. Please specify whether you want paper back issues or text files on 3.5 disks.

**Other Peripherals**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO-001</td>
<td>Nite Owl Slide-On Battery Kit for Ilgs</td>
<td>$9.05</td>
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**Battery**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>NM-001</td>
<td>AMR 3.5 drive (Ile with NM-002, Ilgs)</td>
<td>$189.00</td>
</tr>
<tr>
<td>NM-003</td>
<td>AMR 5.25 drive (Ile / Ilgs, Mac LC)</td>
<td>$128.00</td>
</tr>
<tr>
<td>NM-002</td>
<td>Laser 3.5 drive controller for Ile</td>
<td>$99.00</td>
</tr>
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**Fans**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO-004</td>
<td>Nite Owl Super Cooler Fan for Ilegs</td>
<td>$24.95</td>
</tr>
<tr>
<td>CTFAN-K</td>
<td>CIRTECH Cool-it fan for Apple Ile</td>
<td>$49.00</td>
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**Monitors**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
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<tbody>
<tr>
<td>DC-003</td>
<td>Magnavox RGB Monitor for Ilgs</td>
<td>$319.00</td>
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**Other Topics**

**Desk accessories**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>SR-001</td>
<td>Disk Access (disk management NDA)</td>
<td>$30.00</td>
</tr>
<tr>
<td>RW-012</td>
<td>Desktop Screen Saver</td>
<td>$24.95</td>
</tr>
<tr>
<td>RN-003</td>
<td>SoftSwitch (program switcher for Ilgs)</td>
<td>$45.00</td>
</tr>
<tr>
<td>RN-010</td>
<td>Desktop Files Control (disk management NDA)</td>
<td>$24.00</td>
</tr>
<tr>
<td>RW-006</td>
<td>Macr/Mate (universal macros for Ilgs)</td>
<td>$19.75</td>
</tr>
<tr>
<td>SS-010</td>
<td>Desktop Enhancer</td>
<td>$24.95</td>
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**Data Base**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
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<tbody>
<tr>
<td>SR-006</td>
<td>ShoeBox</td>
<td>$49.95</td>
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</tbody>
</table>

**Education**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>SB-001</td>
<td>GSNumerics for Igs</td>
<td>$79.95</td>
</tr>
<tr>
<td>VS-001</td>
<td>Vernier: Build a Better Mousestrap</td>
<td>$24.95</td>
</tr>
<tr>
<td>VS-002</td>
<td>Vernier: Chaos in the Laboratory</td>
<td>$25.95</td>
</tr>
</tbody>
</table>

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**About this listing**

Everything we carry doesn't fit in this catalog anymore. The date shown with each item indicates the catalog that has a longer description of the item. We give a full description the first time an item appears in the catalog.
Resource Central Catalog

Get the books, software, and equipment you need from the warmth of your own computer room. No handling fees or extra charges for surface shipping on most items, even though we ship within 24 hours. To order, use the self-mailer that was in the envelope with your publication.

July 1992

New Stuff

New Modems

Recent rapid changes in modem technology are starting to slow down and prices and standards are starting to settle. Now’s the time to start thinking about upgrading to a more powerful modem.

Starting this month we’re carrying a complete line of SupraModems. These modems work with any computer with an RS-232C port, including all Apple IIs (Apple Iie and II-Plus computers require an additional serial interface card). They are 100% compatible with the industry-standard "AT" command set, automatically adjust to optimal protocol and rate, include everything you need except software and serial cable, and have a 5-year limited warranty.

The cheapest alternative, and still the best for those just beginning in telecommunications, is the Supra 2400 baud modem. We’ve been selling and using this one for over two years with excellent results. Now it’s priced under $100!

For an additional $60 you can get the Supra 2400 baud modem with MNP5 and v.42bis. These are error correction and data compression protocols that reduce transmission errors and increase throughput up to four times when you’re connected to another modem that supports MNP5 or v.42bis.

For those of you ready to upgrade to 9600 baud, we have the SupraModem 9600 v.32 and the top of the line v.32bis. These modems do everything the 2400 baud modems do, but they do it four times faster when you’re connected to another industry-standard v.32 modem (six times faster, 14,400 baud, when connected with v.32bis). They have a digital status display and are also include full send/receive fax capabilities when combined with compatible Class 1 or Class 2 Fax software (stand-alone fax software is not currently available for the Apple II series.)

<table>
<thead>
<tr>
<th>Model</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC-001 SupraModem 2400</td>
<td>$99.95</td>
</tr>
<tr>
<td>SC-003 SupraModem 2400 Plus</td>
<td>$159.95</td>
</tr>
<tr>
<td>SC-004 SupraModem 9600 v.32</td>
<td>$279.95</td>
</tr>
<tr>
<td>SC-005 SupraModem 9600 v.32bis</td>
<td>$349.95</td>
</tr>
</tbody>
</table>

System 6 News

Due to numerous requests, we’ve decided to make the Release Notes disk that comes with our System 6 update available separately.

Apple’s complete System 6 package, with six disks and user documentation, is shipping soon. You can be among the first to get this package by letting us hold your order until they arrive. Your check will not be cashed nor your credit card billed until we ship.

<table>
<thead>
<tr>
<th>Model</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>DA-031 Release Notes Disk</td>
<td>$4.00</td>
</tr>
<tr>
<td>DA-006 Apple: GS/OS System 6 *</td>
<td>$24.00</td>
</tr>
<tr>
<td>DA-013 Apple: Sys. 6 w/ User Manual</td>
<td>$39.00</td>
</tr>
<tr>
<td>* Update only. Update is shipping now!</td>
<td></td>
</tr>
</tbody>
</table>

ORCA Debugger

Designed for debugging C and Pascal programs on the Apple IIgs, the ORCA Debugger is the only source-level debugger available for debugging Cdevs, XCMDs, 320mode programs, and programs that run from the Finder. Similar to and compatible with GSBug, the ORCA Debugger has its own private text screen and the abilities to view memory or variables in any of 13 formats, to set or clear break points while a program is running, to see variables without typing their names, and to change the value of a variable. Includes a 60-page manual.

BW-010 ORCA Debugger $39.95

Toolbox Programming in Pascal Tutorial

ByteWorks' latest release in its Learn To Program series takes you beyond language skills into the world of Apple IIgs Toolbox programming. Toolbox Programming in Pascal teaches by example. The emphasis is on designing and writing real programs and building your own set of tools. Comes with over 400 pages of personal instruction and four disks of sample source code.

BW-011 Toolbox Programming w/ Pascal $75.00

GNO/ME

GNO/ME is a Unix-like Multitasking System for the Apple IIgs. Implemented as an extension to GS/OS, GNO switches between programs 60 times a second. The current release does not allow multiple desktop programs to run concurrently, however, you will be able to run one desktop program with any number of text applications. Distributed along with GNO is a growing Unix compatibility package. This allows you to compile many BSD Unix programs for use on the IIgs.

PR-001 GNO/ME (IIgs) $89.00

HyperMover

HyperMover is what you need to move HyperCard stacks between the IIgs and the Macintosh or back. The package includes one GS/OS and one Mac disk. Requires HyperCard IIgs and HyperCard for Macintosh. Does not translate XCommands, but all other parts of your stacks will be transferred from one machine to the other.

DA-030 HyperMover (2-3.5 disks) $15.00

15th Birthday Binder

Subscribers outside the U.S. have pointed out to us for years that they can’t obtain binders that have the rings in the right position for the three-hole punch we put in our newsletters and catalogs. As part of our 15th Anniversary of the Apple II celebration, we’ve had some black D-ring binders manufactured with our 15th Anniversary logo on the front, like this:

Each binder is big enough to hold a complete collection of Open/Apple/42-Central. A2-009 15th Anniversary 3-Ring Binder $10.00

GraphicWriter III Special

Buy GraphicWriter III by Aug 1 and get FREE software from Seven Hills!

Send in your GraphicWriter III registration card along with a Resource Central purchase coupon and receive your choice of Independence or Disk Access software directly from Seven Hills Software. GraphicWriter III is Seven Hills’ hit desktop publishing program for the Apple IIgs. Includes a spell checker and advanced page layout features.

Independence is a package of printer drivers that allows you to print from any GS/OS program to Hewlett-Packard DeskJet and LaserJet printers. Amazing results become incredible if you also use Pointless.

Disk Access is a disk accessory that works inside any GS/OS program. It allows you to delete, rename, copy and move files and folders from within your application — without going back to the Finder.

<table>
<thead>
<tr>
<th>Model</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>SH-004 GraphicWriter III</td>
<td>$89.95</td>
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<tr>
<td>SH-002 Independence</td>
<td>$29.95</td>
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<tr>
<td>SH-001 Disk Access</td>
<td>$30.00</td>
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A-2 Central

An international clearinghouse of information for users of all types of Apple II, Winner of Best Apple II Publication award in both 1990 and 1991.

A2-1 A2-Central 12 issues/yr, 8 pages 1 year $34.00
A2-2 2 years $60.00
A2-3 3 years $94.00
FS-N Full set of printed back issues $49.00
FS-D Full text of paper back issues on 3.5 disks $49.00
OA-01 Volume 1 January 1985 – Jan 1986 $9.95
OA-02 Volume 2 February 1986 – Jan 1987 $9.95
OA-03 Volume 3 February 1987 – Jan 1988 $9.95
OA-05 Volume 5 February 1989 – Jan 1990 $14.95
OA-06 Volume 6 February 1990 – Jan 1991 $14.95

A2-Central on disk
Our award-winning newsletter plus a monthly disk filled with the best stuff we find online and in our mailbox. 12 issues per year, newsletter & 3.5 disk.

AO-1 1 year $90.00
AO-2 2 years $168.00
AO-3 3 years $240.00
A2-Sam A2-Central on Disk sample issue $3.00

Quarterly Sets
Feb/Mar/Apr May/June Jul Aug/Sep/Oct Nov/Dec/Jan
1989 AD89S1 AD89S2 AD89S3 AD89S4 $18.00
1990 AD90S1 AD90S2 AD90S3 AD90S4 $18.00
1991 AD91S1 AD91S2 AD91S3 AD91S4 $18.00
1992 AD92S1 AD92S2 AD92S3 AD92S4 $18.00

Annual Sets
AD89FS Feb 89 to Jan 90 $60.00
AD90FS Feb 90 to Jan 91 $60.00
AD91FS Feb 91 to Jan 92 $60.00
AD92FS Feb 92 to Jan 93 $60.00

SUBSCRIPTION CONVERSIONS: Figure out how many disks you'll get between the first one you want and the month your subscription expires and send us $4.75 per disk.  NEW SUBSCRIPTIONS: By subscription, our disks cost for less than what most user groups charge for public domain 3.5 disks; just 48.75 per disk ($90 - $54.12).

Getting Started
CB-001 The Apple IIc — Your First Computer $12.95
CO-004 CompuShare Your Igs Guide (5/91) $21.95

System Disks
DA-002 Apple: ProDisk 8 System Disk (5.25 disk) APDA $14.00
DA-003 Apple: System 6 Release Notes (3.5 disks) APDA $4.00
DA-004 Apple: GS/OS System 6 (6-3.5 disks & DA-021) $39.00
DA-012 Apple: GS/OS System 6 w/ Manuals APDA $39.00
DA-013 Apple: System 6 Golden Master CD ROM APDA $99.00

Not yet shipping. We'll hold your order and ship when the product arrives.

Multimedia

Studio City
The latest tips and news for creators of HyperStudio stacks. Tutorials, examples, clip art & sounds, and more. 6 issues/yr, 3.5 disk only.

SC1 Studio City (formerly Stack-Central) $14.95
SC2 2 years $87.00
SC3 3 years $123.00
HC-Sam Studio City Sampler disk $3.00
SDC90S1 Semiannual disk set (Feb/Apr/Jun 90) $20.00
SDC90S2 Semiannual disk set (Aug/Oct/Dec 90) $20.00
SDC91S1 Semiannual disk set (Feb/Apr/Jun 91) $20.00
SDC91S2 Semiannual disk set (Aug/Oct/Dec 91) $20.00
SC285S1 Semiannual disk set (Feb/Apr/Jun 92) $20.00
SDC92S2 Semiannual disk set (Aug/Oct/Dec 92) $20.00
SC295S1 Annual disk set (Feb 90 to Dec 90) $36.00
SC295S2 Annual disk set (Feb 91 to Dec 91) $36.00

Script-Central
All about Apple's HyperCard IIs and HyperTalk, its scripting language. Your letters, our XCMDS, Tools, Buttons – awesome!

HC1 Script-Central 6 issues/yr, 3.5 disk only 1 year $48.00
HC2 2 years $87.00
HC3 3 years $123.00
HC-Sam Script-Central Sampler disk $3.00
HC91S1 Semiannual disk set (July/Sept/Nov 91) $20.00
HC91S2 Semiannual disk set (Jan/Mar/May 92) $20.00
HC91S3 Annual disk set (July 91 to May 92) $36.00

HyperBole
A multimedia artistic and literary journal on disk. There's nothing else like it anywhere! Requires IIs
HS-91S1 Semiannual disk set (Feb/Apr/Jun 91) $20.00
HS-92S1 Semiannual disk set (Aug/Oct/Dec 91) $20.00
HB-92S1 Semiannual disk set (Feb/Apr/Jun 92) $20.00
HBFS All back issues (Feb 91 to June 92) $54.00

Books
AW-042 Apple: Hypercard IIs Script Guide (3/91) $23.95
AW-034 Apple: Hypercard Stack Design $16.95

Multimedia software
RW-005 HyperStudio (for illos) VERSION 3.0 (1/90) $125.00
RW-009 HyperStudio Commanders, Vol 1 (11/90) $39.95
GC-001 Nexus (for illos) (12/90) $69.95
AP-002 HyperCard IIs VERSION 1.1 (6/90) $69.95
AP-022UP HyperCard IIs 1.1 Upgrade (12/90) $21.00
RW-011 HyperStudio Clip-Art, Vol 2 (3/91) $24.95

Clip art
TV-002 ClipArt Plus (3/91) $38.95
DS-011 Clipvision 1.1 (3/91) $29.95
RW-077 HyperStudio Clip-Art, Vol 1 (11/90) $24.95
RW-011 HyperStudio Clip-Art, Vol 2 (3/91) $24.95

Sound
TV-003 Sound Convert (3/92) $39.95
TV-011 ClipTunes (2 disks) (3/92) $39.95
DS-012 ClipSounds (10 disks) (3/91) $59.95
DS-013 ClipSounds Vol 2 (5 disks) (3/92) $29.95
RW-008 HyperStudio Clip-Sounds, Vol 1 (11/90) $19.95

Graphics/Imaging

Imaging
VI-001 Quickie Scanner (10/90) $219.95
WC-001 InWords OCR (512K enhanced Ile or Illgs) (3/91) $99.00

Graphics
DW-001 DreamGraphix (4/92) $74.95
BB-007 Platinum Paint (for illos) (3/91) $79.00
BB-008 Beagle Draw (for illos) (11/91) $69.00
SH-003 Jason Harper's SuperConvert (for IIs) (7/91) $39.95
RW-004 Graphics Exchange (for IIs) (1/90) $37.95
RW-013 Graphics Exchange Library Disk #1 (3/91) $24.95
RW-014 Desktop Screen Saver (for IIs) (3/91) $29.95
RI-002 Second Chance (Ils image enhancement) (11/90) $39.95

Desktop Publishing

Desktop Publishing Software
SH-004 Graphic Writer III (12/91) $99.95
TW-001 Publish II 4 Enhanced Ile, any Ils or Ili (8/91) $119.95
SH-008 Seven Hills: Formulae (4/92) $39.95

Fonts
WC-002 Pointless (4/92) $49.95
SH-005 Font Factory (3/91) $39.95
FC-001 A2-Central Font Collection (8.5 disks of fonts in ShrinkIt format) (3/90) $39.00

AppleWorks

TimeOut-Central
Editor Randy Brandt of Beagle & UltraMacros fame gives you the latest AppleWorks & TimeOut tips, macros, and wares.

TO1 TimeOut-Central 6 issues/yr, 3.5 disk only 1 year $48.00
TO2 2 years $87.00
TO3 3 years $123.00
TO-Sam TimeOut-Central Sampler disk $3.00
TSL0201 Semiannual disk set (Sep/Nov/31/91) $18.00
TOL91S1 Semiannual disk set (May/July/Sept 91) $18.00
TOL91S2 Semiannual disk set (Nov/Jan/02/92) $18.00
TOL91S3 Annual disk set (Sep 90/Sept 91) $32.00

Books
MH-001 AppleWorks Made Easy (3/92) $19.95
DB-001 Using the DeskJet 500 with AppleWorks (5/91) $20.00
IN-006 Aron: Using AppleWorks (Que) (6/91) $20.95
AW-027 Brown: Using AppleWorks GS $19.95
Resource Central Catalog

Get the books, software, and equipment you need from the warmth of your own computer room. No handling fees or extra charges for surface shipping on most items, even though we ship within 24 hours. To order, use the self-mailer that was in the envelope with your publication.

Big news

Welcome Nibble readers!

Before there was an A2-Central, before Open-Apple, before I even bought my first Integer Basic Apple II, there was Nibble. But no more. In the midst of its 13th year, Nibble has ceased publication. The July 1992 issue was its last.

Those of you who were Nibble subscribers have received a postcard from Mike Harvey explaining that Resource Central will provide the remaining issues of your subscriptions.

- If you weren't already a subscriber to A2-Central, you will get exactly as many issues as you were due Nibble, even though our subscription price is a bit higher.
- If, on the other hand, you were a subscriber to both Nibble and A2-Central, your remaining Nibble issues will be added to your current A2-Central subscription.

Unless, of course, you currently subscribe to our more expensive A2-Central-On-Disk. In this case we'll add one issue to your subscription for each three issues Nibble owed you (if there's a remainder after dividing by three we'll throw it in an extra issue).

We've looked hard through our mailing lists to find those of you who were subscribers to both A2-Central and Nibble, but we didn't find as many double subscriptions as we expected. It may mean we missed a bunch of you despite our best efforts. If we did, you'll get two issues of A2-Central this month. If the postman does ring twice, please let us know (call us at 913-469-6502 or send us your new 5-digit customer ID from both newsletters — it's to the right of your name on the sheet that shows through our envelope's window) so we can get it straightened out before we mail our September issue.

About Resource Central

For those of you who are suddenly new around here, here's a brief introduction to Resource Central, Inc.

Our Publications. I'm Tom Weishaar. My career has revolved around the Apple II since 1980. I wrote software for Beagle Bros in the early 1980s and had a column in Softalk magazine called "DOStalk." When Softalk ceased publication in the summer of 1984, I decided to turn tragedy into opportunity by starting my own publication for Apple II users. That publication was originally called Open-Apple and it has since become A2-Central. It has always been an 8-page monthly newsletter. We're pretty proud of the fact that it has won the Best Apple II Publication Award for the last two years.

Many of our A2-Central subscribers pay extra to get a 3.5 inch disk in the envelope with their newsletter each month. We originally started our disk version so that we'd have a way to distribute the text of A2-Central in a file that could be accessed, using speech hardware, by our visually disabled subscribers. Then we decided to pack the remainder of the disk full of interesting public domain, freeware, and shareware files sent in by our subscribers or mined from online lodes and, as they say, the rest is history.

In addition to our monthly A2-CentraIs, we do three software-specific publications that come out on disk every other month. These are Studio City, which is for HyperStudio users; Script-Central, which is for HyperCard Ilgs users; and TimeOut-Central, which is for users of AppleWorks and the TimeOut series. You can find more information about all of our publications on the last page of this catalog.

Our Catalog. Early in the history of Open-Apple we offered our subscribers the opportunity to buy our back issues and books I had written about the Apple II. Over the months we added other Apple II products to our list that we felt were of high quality but that weren't usually available from local dealers. All of this has grown to the point that we stock and sell more Apple II-related books and developer-oriented software than anybody in the world. In January, we bought out the remaining Apple II stock of APDA, the Apple Programmers and Developers Association. We are now the official source of Apple's own documentation and developer tools for the Apple II series of computers.

Every other month this catalog will contain a complete list of the products we have available and their current prices. In alternate months, like this one, we'll introduce new products and reintroduce old ones so that you'll have a better idea of what these things are, what they do, and how to use them.

Our Summer Conference. July promises to be a busy month for us. Besides absorbing the Nibble subscribers and installing a new Unix-based order entry and tracking system, we're holding our 4th annual summer conference. The conference includes two days of colleges on Pascal, C, HyperStudio, and Ilgs Sound and Graphics Programming; followed by two days of sessions covering technical issues related to the Apple II as well as the celebration of this year's 15th Anniversary of the Apple II; followed by a two-day Apple Central Expo, a user-oriented trade show run by Event Specialists. Our conference takes place in Kansas City July 21-24: the Expo is Saturday and Sunday July 25 and 26. For more information about our conference call us now at 913-469-6502; for more information about the Expo call Event Specialists at 800-955-6630.

Genie. Besides all that, Resource Central manages the Apple II areas on Genie, General Electric's online information service. More than 2,000 Apple II users visit us on Genie each month (many of them several times a week). Our Genie staff hosts real-time conferences every evening, manages the most-active and best-archived Apple II bulletin boards in the world, and oversees a library that has had 20,000 uploads. It's the best place to go to get the latest files, the hottest news, and the quickest answers to your questions.

About the future of the Apple II

We're all saddened by the passing of Nibble because it means that our favorite computer just isn't strong enough to support the large third-party industry it once did. But here at Resource Central we want to emphasize to you that the Apple II is strong enough to support
Your Money Matters

Track your personal finances quickly and easily on your Apple IIgs. Your Money Matters is the program you've been waiting for!

Your Money Matters is a just-released home and small-business financial package for the Apple IIgs. It's fast, flexible, and easy to use. Your Money Matters has a wide range of features and its adherence to the Apple's Human Interface guidelines makes it easy to learn. We've been waiting for a program like this for years. Author Steve Peterson has spent the time studying other financial packages, taking the best features from each, and designing a solid commercial product with good documentation.

Your Money Matters allows you to keep track of your income: your expenses, your assets (what you own), and your liabilities (what you owe). You can categorize these accounts anyway you like, or you can use the categories from the demonstration files provided with the program. You also can define up to 254 Tax IDs and add them to transactions.

After you have set up your accounts, you enter transactions that track the movement of money from one account to another. When you enter your paycheck, for example, Your Money Matters enters the transaction in an income account (paycheck) and an asset account (you'll probably use your bank checking account). You can see the transaction by looking in either account.

When you enter checks you write, Your Money Matters will record them in both your checking account and in the expense account you designate. Your Money Matters will allow you split a transaction (your paycheck can be split to various tax and insurance expense accounts, as well as to your checking account, for example). And Your Money Matters makes the entry of recurring transactions easy: you enter the transaction in a recurring transaction list and when you type in the first few characters of the payee name, the whole transaction is entered.

Your Money Matters allows you to compare your monthly expenses with the previous year and with budget amounts you enter. You can display this information as tables or as graphs. You can export or import data using tab-delimited text files like those AppleWorks can generate.

Some other highlights of Your Money Matters are:

- Like Classic AppleWorks, all data is loaded into memory to make the program fast.
- Prints checks, including payee address.
- Flexible sorting and selection criteria makes it easy to get the report or find the transaction you want.
- Online Help Screens for each menu item.
- Calculates annual rate of return on investments.
- You can budget accounts weekly, biweekly, monthly, semi-monthly, bimonthly, annually, or semiannually and you can have the budget amount increase/decrease a set percentage or amount each budget period.
- You can balance/reconcile any account, including credit cards, loans, IRAs, savings accounts, checking accounts, and so on.
- No copy protection.
- Standard one-file GS/OS program. Works from a 3.5 or a hard disk. One data file per set of accounts (you can keep separate sets of accounts for as many people or businesses as you want).

Big Red

Indoor Sports

This month we're adding sports simulations to our selection of classics from the Big Red Computer Club. Come copy protected unless noted otherwise.

Baseball

Hardball brings baseball to your IIgs. Originally published by Accolade, Hardball puts you on the field and in the dugout as both player and manager. Hit and run, steal, sacrifice, go for double plays, juggle player line-up. Joystick required.

BR-106 Hardball (IIgs, joystick) $14.95

Basketball

Fastbreak features three-on-three, full court action with pro-style plays and television court perspective. Choose from 15 pro-style offenses and 5 defenses. Shoot 3-point bombs, soft jumpers, or rim-ripping slams. Requires a joystick.

BR-106 Fastbreak (IIgs, joystick) $14.95

BR-006 One-On-One (IIgs only, joystick) $14.95

Tennis

An action/strategy tennis simulation that emphasizes correct ball placement, timing, and stroke selection.

BR-109 Serve & Volley (IIgs) $14.95

Other New Stuff

My Paint

My Paint is a painting program designed for young children. Children can draw their own pictures or "color" the pictures that come with the program. Each picture included with the program includes a sound. Educator approved, classroom tested. Extra coloring disks add new characters and sounds.

SG-001 My Paint $49.95

SG-002 Alphabet Fun Coloring Disk $18.95

SG-003 Majellis Characters Coloring Disk $18.95

Battery for ROM 3

Apple IIgs

The same famous Nite Owl battery we've sold hundreds of, but this one slips right into the battery holder on newer IIgs machines. On the older IIgs, the battery is soldered onto the motherboard. When it goes bad you have to clip it off. The more expensive Nite Owl Slide-On battery has dohickeyes on each end that connect to the battery leads on the older motherboard. This battery doesn't have the dohickeyes.

NO-005 Nite Owl Battery for ROM 3 IIgs $12.95

Animated Icons

Three disks of animations for HyperStudio and HyperCard IIgs. Train, flower, flag, frog, bird, faucet, pump, fan, fire, and lots more. Includes tutorial stack on how to use in your own stacks.

TV-004 Animated Icons $29.95
Apple IIgs Technical Library
by Special Arrangement with Addison-Wesley and Apple Computer

Apple IIgs Technical Library Set--$49.95
Limited Time Offer--Available only through Resource Central!

As a special welcome to our new subscribers coming over from Nibble, we've once again made special arrangements with Addison-Wesley and Apple Computer to offer the six books at the heart of the Apple IIgs Technical Library—a $148.70 value—for just $49.95 plus postage.

The six books include:

Programmer's Intro to the Apple IIgs  Apple IIgs Hardware Reference Manual
Apple IIgs Toolbox Reference, Volume I  Apple IIgs Toolbox Reference, Volume II

These are the official Apple IIgs manuals, which were written by Apple Computer and published by Addison-Wesley as part of its Apple Technical Library series. They form the basic library anyone needs to program the Apple IIgs in any language.

This offer is available only from Resource Central and expires October 31, 1992. Together, these six books weigh about 16 pounds—over 7 kilograms. Please select your choice of shipping method and cost from the table below:

**Plus: Big Savings on updates!**

The six-book library forms the kernel of an Apple IIgs programming library, but Apple has also written other books that update and expand on the big six. We're also offering special prices on these books until October 31. These books include:

Apple IIgs Toolbox Reference, Volume III  Apple IIgs/GS/OS Reference
Apple IIgs Firmware Ref, ROM 3 Update  GS/OS Device Driver Reference

**New: System 6 Reference**

This is the brand new book programmers have been waiting for. Published by the ByteWorks, it's like a combined Toolbox Reference Vol 4 and a GS/OS update for System 6. Over 350 pages of the latest information on IIgs programming, including Finder Extensions and Control Panels. And it includes a complete concordance that will guide you to the earlier manuals for information that hasn't changed.

More: The Toolbox Tutorial Set

We've also been able to bundle three non-IIgs books together into a set at a special price that's half off our regular price. These books are Gary Little's Exploring the Apple IIgs, published by Addison-Wesley, and Compute Book's Mastering the Apple IIgs Toolbox and Advanced Programming Techniques for the Apple IIgs Toolbox, by Morgan Davis and Dan Gookin. This set is what you need to move from novice to master Apple IIgs toolbox programmer.

**Quality Software**

Apple II Best Sellers at the lowest prices ever!

Quality Software has been known for years as one of the premier Apple II book publishing companies. Their books have been getting more and more difficult to find, however. We recently caught up with them and made a special deal to buy their remaining stock. This allows us to resell these classics at the lowest prices ever.

**Understanding the Apple II/Apple IIe**

Jim Sather's two "Understanding" books are among the finest books ever written about computer hardware. If you want to know how computers work, Sather explains it all while you examine the Apple II/IIe Plus or Apple IIe in your own computer room.

Each book starts with an overview of how your Apple works, then dives into extensive explanations of topics such as bus structure, timing, the 6502 microprocessor, RAM, ROM, address decoding and input/output, video generation, and the disk controller. Each book also includes a chapter on maintenance and care of the Apple II, lots of schematics, modification projects, and much more.

**Beneath Apple ProDOS**

Foreunner to Beneath Apple ProDOS, this book has the same information about the older Apple DOS 3.3.

**Bag of Tricks 2**

Bag of Tricks 2 is a set of four comprehensive disk utility programs that help analyze, modify, and restore disk data. Originally designed for 5.25 disks, but many features also work with 3.5, hard, and RAM disks. Works with disks from any Apple II operating system. Useful for beginners and experienced users alike — includes hand-holding tutorials that assist you in repairing damaged disks. Change sector ordering, reconstruct damaged DOS catalogs or ProDOS directories, and more. Originally sold at $49.95.

**Save $29.95**
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An international clearinghouse of information for users of all types of Apple lls. Winner of Best Apple II Publication award in both 1990 and 1991.

A2-1 A2-Central 12 issues/y, 8 pages 1 year $34.00
A2-2 2 years $60.00
A2-3 3 years $84.00
A2FS Full set of printed back issues $49.00
A2FSO Full text of paper back issues on 3.5 disks $49.00
A2V1 Volume 1 January 1985 – Jan 1986 $9.95
A2V5 Volume 5 February 1989 – Jan 1990 $14.95

SUBSCRIPTION CONVERSIONS: Figure out how many disks you'll get between the first one you want and the month your subscription expires and send us $4.75 per disk. NEW SUBSCRIPTIONS: By subscription, our disk cost for less than what most user group charge for public domain 3.5 disks, just $4.75 per disk ($50 - $34 / 12).

TimeOut-Central

Editor Randy Brandt of Beagle & UltraMacros fame gives you the latest AppleWorks & TimeOut tips, macros, and wares.

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TO2 2 years $70.00
TO3 3 years $123.00
TO-Sam TimeOut-Central Sample Disk $3.00
TOFSI Annual disk set (Sep 95/Sep 96) $32.00
TOS69.01 Semiannual disk set (Sep/Sep 96) $18.00
TOS69.1 Semiannual disk set (July/Sept 96) $18.00
TOS69.2 Semiannual disk set (Nov/Jan 97/98) $18.00

The most popular offer we’ve ever run is an incredible deal on the Apple IIs Technical Library Set. You can get the six books that should be at the core of any Apple IIs programmer’s library for about $35 each. No, not 33 percent off, about 66 percent off! This offer, which is available only from Resource Central by special arrangement with Addison-Wesley and Apple Computer, has been available the last two summers. Since most of our regular customers have already purchased the books, we weren’t going to offer the set again this year. But then we realized that many of you among our sudden influx of Nibble readers would be interested in this. So we made a few calls, ordered boxes full of books, and you can read all about it on page 3 of this catalog.

One of the best-selling Apple II books ever was Beneath Apple ProDOS. The company that published it, Quality Software, pretty much disappeared a couple of years ago, but we recently found them long enough to buy out their stock of books, including the classics Understanding the Apple II and Understanding the Apple Ile and a disk-fixing utility called Bag of Tricks. Read all about it, inside.

There’s more, too. Indoor sports software from the Big Red Computer Club, a battery for the ROM 3 IIs, and My Paint, a drawing/coloring book program with sounds, just for kids!
Resource Central Catalog

Get the books, software, and equipment you need from the warmth of your own computer room. No handling fees or extra charges for surface shipping on most items, even though we ship within 24 hours. To order, use the self-mailer that was in the envelope with your publication.

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**New Stuff**

**Apple II T-Shirts**

If you've been wanting to make your feelings toward the Apple II known but haven't had the billboard space, here's your medium. We have beautiful black T-Shirts with our 15th Anniversary logo in white (the lettering is fluorescent magenta).

There's also a small Resource Central logo to the upper left. All your Apple II friends will be jealous when you wear this!

RC-009M 15th Anniversary T-Shirt: Med. $10.00
RC-009L 15th Anniversary T-Shirt: Large $10.00
RC-009X 15th Anniversary T-Shirt: X-Lrg. $10.00

**HyperCard IIs** Developer's Kit

New from Apple, the HyperCard IIs Developer's Kit consists of two 800k disks. You get the complete developer documentation for HyperCard v.1.1, including the hooks to xcommands and functions and notes on the Media Control Stack, in both ASCII and Word 4.0 formats. You also get APW and MPW interfaces, RMover 1.1.dl for moving resources, and source code samples for eight xcommands.

DA-034 HyperCard IIs Developer's Kit $15.00

**OmniPrint**

OmniPrint is a new program from JEM Software that allows you complete control over an ImageWriter II from within the AppleWorks word processor. You can easily turn MouseText on and off, change colors, and change characters per inch (or anything else) within a paragraph. It also allows you to load, use, and control downloaded ImageWriter fonts (don't confuse these with GS/OS-type fonts; all ImageWriter fonts are the same height at the fonts built into the ImageWriter).

JE-012 OmniPrint $32.00

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**KansasFest Special Events Home Video**

If you missed our summer conference, you'll want to see this tape. (If you were at our summer conference, you're probably one of the people who demanded that we make this tape available.)

As part of our celebration of the 15th Anniversary of the Apple II, Tom Weisshaar interviewed Steve Wozniak and we caught it all on tape. In the interview Wozniak and Weisshaar talk about the early days at Apple and before. Woz talks about everything from his first Science Fair computer project to his all-time favorite software (AppleWorks).

But that's not all! Also on this tape you get the complete Roger Wagner Roast, hosted by Steve Disbrow of GS+ magazine. Bonus! There's more! We also managed to squeeze in footage of the Apple Dealer Skit that Disbrow and Associates presented at lunch the second day of the conference. This is one special tape (2 hrs. 19 min.)

KF-001 KansasFest Special Events Video $24.95

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**KansasFest Tapes**

Yes, you've already missed the best part of our summer conference (staying up all night showing off your stuff). But you can still hear the sessions you missed. Here's what we have:

**Old Timers**

KansasFest Intro: Weisshaar Interviews Wozniak AT2-31 Tom Weisshaar, Resource Central

Old Timers: Apple II Magazines
AT2-33 Paul Statt & Tom Weisshaar

Old Timers: Muse Software
AT2-34 Silas Warner

Old Timers: Two Survivors
AT2-35 Alan Bird & Roger Wagner

**New Timers**

State of the Apple II
AT2-32 The Tim Swihart Group, Apple Computer

Announcing...Avatar
AT2-09 Bill Heineman

**Apple IIgs Sessions**

Apple's System 6.0
AT2-29 The Tim Swihart Group, Apple Computer

Icons, Finder 6.0, and the End of the World
AT2-26 Lunatic Bruce Jonathan E'Sex

SoundWave Secrets II (os)
AT2-27 Hangtime, Resource Central

Editing Resources
AT2-02 Collins, Murphy, & Wolfgram, Lunar Prods

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**Breaking the 16 Color Barrier**

AT2-16 Steve Chiang, DreamWorld Software, Inc.

**Introduction to MidiSynth Programming**

AT2-13 Mike Nuzzi, Triad Venture, Inc.

**Finding Yourself in TextEdit**

AT2-06 Steve Disbrow, GS+ Magazine

**Customizing Your Applications**

AT2-14 Bryan Pietrzak, Softdisk, Inc.

**Introduction to 3D Programming**

AT2-25 Michael Lutynski

**Interprocess Communication**

AT2-15 Bryan Pietrzak, Softdisk, Inc.

**Writing Resource Editors**

AT2-01 Collins, Wolfgram, & Murphy, Lunar Prods

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**Multimedia**

**Apple: HyperCard IIs**

AT2-30 The Tim Swihart Group, Apple Computer

**Writing HyperStudio Extras, NBA's, and Translators**

AT2-04 R. Wagner & K. Kasmarek, RWP

**Intermediate HyperStudio Techniques**

AT2-03 Roger Wagner, Roger Wagner Publishing

**Classic Apples**

UltraMacros 4.0
AT2-07 Randy Brandt, JEM Software

**WPL PageWriter**

AT2-24 Larry Schnelder

**ProDOS ML**

AT2-11 J. Eric Bush, Kitchen Sink Software

**Passing Variables Between Applesoft & Mach Lang**

AT2-08 J. Eric Bush, Kitchen Sink Software, Inc.

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**Telecommunications**

**Data Compression on the Apple IIs**

AT2-19 Derek Young & Jim Maricondo

**File Transfer on the Apple IIs**

AT2-20 Josef Wankert, GS+ Magazines

**The Legal Guide to Apple IIs Telecommunication**

AT2-10 Steve Gunn

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**And More...**

**Digital Electronics**

AT2-21 Chuck Kelly, ProDev, Inc.

**Computer Peripheral Design**

AT2-22 Chuck Kelly, ProDev, Inc.

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**Making Billions of Dollars Programming the Apple II**

AT2-18 Lee Golden & Jay Jennings, Softdisk, Inc.

**Starting Your Own Software Company**

AT2-12 Guy Forsythe, Kitchen Sink Software

**Marketing Opportunities for Apple II's In Mac's World**

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*September 1992*
### A2-Central

#### A2-Central

An international clearinghouse of information for users of all types of Apple II. Winner of Best Apple II Publication award in both 1990 and 1991.

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<tr>
<th>Item</th>
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<td>A2-1 A2-Central 12 issues/y</td>
<td>$34.00</td>
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<td>A2-2</td>
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<td>A2-3</td>
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<td>A2-FSD Full text of paper back issues on 3.5 disks</td>
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<tr>
<td>A2V3 Volume 3 February 1987 - Jan 1988</td>
<td>$9.95</td>
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<tr>
<td>A2V5 Volume 5 February 1989 - Jan 1990</td>
<td>$14.95</td>
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<tr>
<td>A2V6 Volume 6 February 1990 - Jan 1991</td>
<td>$14.95</td>
<td>A2V6</td>
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#### A2-Central on disk

Our award-winning newsletter plus a monthly disk filled with the best stuff we find online and in our mailbox. 12 issues per year, newsletter & 3 disk packs.

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#### Quarterly Sets

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<td>AD-F91 Jan 91 to Dec 91</td>
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Figure out how many disks you'll get between the first one you order and the month your subscription expires and send us $4.75 per disk. **New Subscriptions:** By subscription, our disk cost for less than what most user groups charge for public domain 3.5 disks, just 4.67 per disk ($50 - $30 / 12).

### Multimedia

#### Studio City

The latest tips and news for creators of HyperStudio stacks. Tutorials, examples, clip art & sounds, and more. 6 issues/year, 3.5 disk only.

<table>
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<th>Item</th>
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<tr>
<td>SC-S999 1 Seminar disk set (July/May 92)</td>
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#### Script-Central

All about Apple's HyperCard IIs and HyperTalk, its scripting language. Your letters, our XCMDs, Tools, Buttons - awesome!

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#### HyperBode

A multimedia artistic and literary journal on disk. There's nothing else like it anywhere! Requires IIs

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<tr>
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#### Books

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<td>AW-004 Apple: Hypercard Stack Design</td>
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#### Multimedia software

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#### Clip art

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<td>TV-004 Animated Icons</td>
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<td>RW-007 HyperStudio Clip-Art, Vol 1</td>
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<tr>
<td>RW-011 HyperStudio Clip-Art, Vol 2</td>
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#### Sound

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### AppleWorks

#### Time-Out-Central

Editor Randy Brandt of Beagle & UltraMacros fame gives you the latest AppleWorks & Time-Out tips, macros, and wares.

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<tr>
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#### Books

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<td>MH-010 AppleWorks Made Easy</td>
<td>$19.95</td>
<td>MH-010</td>
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<tr>
<td>DW-001 Using the DeskJet 500 with AppleWorks</td>
<td>$99.00</td>
<td>DW-001</td>
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913-469-6502 fax: 913-469-6507

Publishations

Our flagship publication is the 8-page monthly newsletter
A2-Central. It’s designed to be an international infor-
mation clearinghouse for Apple II users of every persua-
sion.

A newsletter/disk subscription to A2-Central is also
available. You get both the paper newsletter and a 3.5
inch disk each month that’s filled with useful goodies provided
by our subscribers and guests.

We publish three additional 3.5-disk-based publications:
TimeOut-Central, for AppleWorks and TimeOut users;
Studio City for HyperStudio users; and
Script-Central, for HyperCard illos users.

Back Issues

Back issues of all our publications are available singly or
in sets. Back issue sets are listed elsewhere in this catalog
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publications cost $10 each. A2-Central on paper back
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Central back issues for just $49. Please specify whether
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Introductory Offer

Resource Central Disk Sampler sample disks of A2-Central on disk, TimeOut-Central, Script-Central, and Studio City.
RC-6SLIP Resource Central Disk Sampler $12.00

IIe/Iic Programming

8/16-Central

8/16-Central, our publication for Apple II programmers, was
published monthly from March 1990 to October 1991.

Technical references

Apple II Plus

Q3-02: Sather: Understanding the Apple II (9/92) $14.95

Apple IIe

Q3-03: Sather: Understanding the Apple IIe (9/92) $14.95

AW-003 Apple IIe Tech Ref $24.95

Apple IIc

DA-007 Apple IIc Tech Ref 2nd Ed (9/92) APDA $30.00

DA-008 Apple IIc Memory Card Reference APDA $15.00

HS-005 SAMs Computerfas: IIc (6/92) $9.95

Other hardware

HS-003 SAMs Computerfas: Disk II (6/92) $24.95

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DA-011 Apple: Video Overlay Card Developers Kit APDA $15.00

DA-012 Apple: Apple II AppleShare Prog Guide APDA $30.00

AppleSoft

Books

AW-010 Apple: AppleScript Programmer’s Reference $32.95

AW-021 Apple: AppleScript Programmer’s Reference (w/disk) $32.95

AW-040 Crichfield/Dyer: Bit of AppleSoft (7/90) $9.95

AW-039 Myers: Graphics for the Apple II (9/92) $9.95

CB-009 Computer’s Second Book of Apple (3/92) $14.95

Tools

BB-003 Program Writer (AppleSoft program editor) (1/90) $37.50

BB-002 Beagle Compiler (AppleSoft compiler) (1/90) $59.95

MD-004 ModernWorks v3.0 (11/91) $79.95

KS-001 Microcot (Basic system replacement) (9/91) $29.95

IS-002 Basic Help (Online Reference & Help) (7/91) $29.95

DA-001 Apple: Apple Filecard Toolkit APDA $19.95

Pascal

AW-037 Sitter/Wess: Pascal for Basic Prgrms (9/90) $12.95

DA-024 Apple: Apple II Pascal v1.3 APDA $69.00

DA-032 Pascal LabPak (10.3 disks, no docs) APDA $69.00

DA-003 Apple: Apple II Pascal Desktop Toolkit APDA $30.00

DA-004 Apple: Apple Filecard Toolkit APDA $19.95

Other languages

MS-002 Microl Advanced BASIC for IIe/Iic (1/90) $99.00

DA-004 Apple: Apple II SuperPilot APDA $69.00

6502 assembly language

RW-001 Wagner: Assembly Lines: The Book (6/88) $9.95

DS-004 WC Softech: 6502 Assembly Language (12/86) $15.95

AW-012 Finley: 6502 Assembler for Apple IIgs (6/88) $18.95

CB-010 Mansfield: Apple Machine Lang Beginners (3/92) $18.95

DA-001 Apple: Apple Filecard Toolkit APDA $19.00

DA-025 Apple: Desktop Toolkit APDA $30.00

PW-001 ProDev 6602 Developer for IIe $30.00

DOS 3.3

QS-004 Beneath Apple DOS $12.95

DA-022 Apple: DOS 3.3 User’s Manual APDA $20.00

DA-020 Apple: DOS 3.3 Programmer’s Manual APDA $20.00

AW-038 Winterneter: AppleSoft Toolbox (9/92) $9.95

ProDOS 8

QS-001 Beneath Apple ProDOS $12.95

QS-008 Supplement for ProDOS 1.2 & 1.3 $9.95

TB-006 Doms/Weshak: ProDOS Inside and Out (6/92) $16.95

DS-002 disk for this book $10.00

AW-024 Apple: BASIC Prog with ProDOS (w/disk) $29.95

AW-023 Apple: ProDOS 8 Tech Ref (w/disk) $29.95

DA-021 Apple: Apple SCsi Card Utilities APDA $30.00

Ilgs Programming

8/16-Central

8/16-Central, our publication for Apple II programmers, was
published monthly from March 1990 to October 1991.

Technical manuals

GS/OS

AW-026 Little: Exploring GS/OS and ProDOS 8 (6/92) $21.95

DS-006 disk for this book (3.5) $15.00

AW-034 Apple: Apple II GS/OS Reference $28.95

DA-027 Apple: GS/OS Device Driver Reference APDA $29.00

BS-012 ByteWorks: Progrms Sys 6 Ref $45.00

Technical references

AW-017 Little: Exploring the Apple Ilgs (6/92) $22.95

DS-007 disk for this book (3.5) $20.00

AW-018 Apple: Technical Intro to the Apple Ilgs $9.95

AW-011 Apple: Programmer’s Intro to this Ilgs $32.95

AW-022 Apple: Ilgs Hardware Reference $29.95

DA-026 Apple: Ilgs Firmware Ref 3.0 Update APDA $12.00

AW-002 Apple: Ilgs Hardware Reference $29.95

DA-001 Apple: Ilgs Numerics Reference APDA $29.95

AW-014 Apple: Human Interface Guidelines $14.95

Toolbox manuals

CB-005 Gookin/Davis: Mastering the Ilgs Toolbox (6/88) $19.95

CB-007 Gookin/Davis: Adv Prog Tech Ilgs Toolbox (6/92) $19.95

AW-019 Apple: Apple Toolbox Reference, Vol 1 $26.95

Assembly language tools

CB-002 Wagner: Ilgs Machine Lang for Beginners (6/86) $9.95

DS-005 disk for this book (3.5) $15.95

SS-005 Lhicky/Eyes: Prog the Ilgs in Asm Lang $29.95

DA-008 disk for this book for APW $20.00

DA-020 Apple: Apple Ilgs Source Code Sampler APDA $20.00

BS-007 Genesis (Resource Creator/Editor) (9/92) $90.00

BS-006 Design Master (GS/OS Resource Creator) (11/92) $90.00

BS-009 Edit-16 APV/ORCA/Mercen editor (3/91) $49.95

AW-653 Prop Online Companion for the Ilgs (1/92) $37.95

Debugger

BW-010 ORCA Debugger (7/92) $39.95

DA-015 Apple: GS Bug and Other Debugging Tools APDA $30.00

PD-002 ProDev 6616 Debugger for Ilgs (3/92) $189.00

Universal development tools

BW-009 Taking Tools (text to speech pkg) (9/91) $49.95

DA-020 Apple: Apple Ilgs Source Code Sampler APDA $20.00

SS-007 Genesisys (Resource Creator/Editor) (9/92) $90.00

BW-006 Design Master (GS/OS Resource Creator) (11/92) $90.00

BS-009 Edit-16 APV/ORCA/Mercen editor (3/91) $49.95

AW-653 Prop Online Companion for the Ilgs (1/92) $37.95

Other hardware

DA-010 Apple: Apple SCsi Card Reference APDA $15.00

DA-011 Apple: Video Overlay Card Developers Kit APDA $19.00

DA-012 Apple: IIe AppleShare Prog Guide APDA $30.00

MPW Cross-Development Suite

DA-019 Apple: MPW Ilgs Tools v1.1 APDA $50.00

DA-016 Apple: MPW Ilgs Assembler v1.2 APDA $100.00

DA-017 Apple: MPW Ilgs V 1.0.1 APDA $150.00

DA-018 Apple: MPW Ilgs Pascal V 1.1 APDA $175.00
Your Money Matters

Make Tracks Now!

Think back to last spring when you were trying to figure out how much money you took in during 1991 and how you spent it. The taxman wanted full details and all you had was a folder full of cancelled checks and mysterious receipts.

Put the spring back in your step. Put yourself back into spring. Spring for Your Money Matters and capture all those financial details quickly and easily right on your Apple IIs.

The end of the year is looming. Now is the time to track down your financial hobgoblins. To help you out we’re running a special on Your Money Matters until November 30. Just call us on the phone and say you want our “Audit Trail” special on Your Money Matters and we’ll knock $10 off our regular price of $79. Or send us an order and write “Audit Trail Special” on the order form. That works too, but you gotta do it by November 30. And you gotta ask for it. We wrote up a complete description of Your Money Matters in our August catalog (page 2), but in case you missed it, here are the highlights:

- Tracks your income, expenses, assets, and your liabilities. Categorizes these accounts any way you like. Allows split transactions. Makes the entry of recurring transactions easy. Compares monthly expenses with previous year and with budget amounts. Displays comparisons as graphs or tables. Exports or imports data. Loads data into memory to make the program fast. Prints checks, including payee address. Flexible sorting and selection criteria make it easy to get the report or find the transaction you want. Online Help Screens. Calculates annual rate of return on investments. Budget amounts can increase/decrease a set percentage or amount each budget period. You can balance/reconcile any account, including credit cards, loans, IRAs, savings accounts, and checkbooks. No copy protection. Standard one-line GS/OS program. Works from a 3.5 or a hard disk. One data file per set of accounts (you can keep separate sets of accounts for as many people or businesses as you want).

SP-001 Your Money Matters Reg $79.00
(Read text thoroughly for special offer.)

Big Red Games and More

Out of This World

Bill Heineman’s IIs-based masterpiece has won the highest rating ever given to a game by Computer Game Review. You are hurred through space and time by a nuclear experiment gone wrong. You must blend logic and skill to survive the alien land you find yourself in. Graphics you won’t believe!

BR-116 Out of This World (IIs) $49.95

Music Studio 2.0

Activision’s IIs music program allows you to compose, arrange, and play your favorite music. Gives you complete command of the music and sound capabilities of your Apple IIs. An orchestra of instruments is at your call as you compose, edit, and arrange music on your screen. What a word processor is to the alphabet, Music Studio is to music.

You can synthesize your own instruments or produce sound effects on the ‘Sound Engineering Board.” No additional hardware is required, unless you use the Midi input feature which requires a MIDI connector. Our package includes additional instrument and song disks.

BR-117 Music Studio (IIs) $34.95

Battle Chess

Chess like you’ve never imagined it. You play against your IIs, yes, but this version brings the logic of chess to life with colorful, humorous, and dramatic animations. Watch with fascination and listen to clanging weapons as your pieces act out your moves. An entire medieval world at war is reflected on the checkered field.

BR-118 Battle Chess (IIs) $24.95

Holiday Specials

Pointless & Fonts

If you have an Apple IIs, here’s what you want for the holidays: Pointless. This is the program you install on your hard drive to make your fonts smooth, at any size up to 255 points, both on your screen and when you print.

Pointless works transparently with all IIs-specific programs, including AppleWorks GS, GraphicWriter III, Hyper Studio, HyperCard IIs, and Platinum Paint. Pointless uses TrueType fonts. Marty Knight and Marvin Gershowitz of II Productive have put together a 20-disk collection of over 300 TrueType fonts. Pointless plus the II Productive TrueType font collection is all you need to create any document you can imagine. If you can think it, you can create it. Our holiday combo gets you both for just $99.95!

WC-002 Pointless $49.95
PC-002 TrueType Font Collection $63.75
RC-112 Pointless/Font Combo $98.95
(Combo offer expires December 31, 1992)

For the kids

All the kids we’ve tested MyPaint on around here say it’s awesome. It’s a IIs painting program for the younger set. No reading skills are required — kids select the various drawing tools by clicking on icons. The icons are animated. Kids can draw their own graphics or they can color in graphics supplied with the program. The thing that really tickles their little fancies is that all the graphics have sounds they can play by clicking on a mouth icon.

What it’s all about is friendly, natural computer literacy for young children. The publisher of MyPaint is now including the Alphabet Coloring Book disk free with the program. And between now and December 31 we’re selling MyPaint for $10 off our regular price of $49.95. Don’t miss this one!

SG-001 My Paint $39.95
SG-002 Alphabet Disk incl
SG-003 Majelis Characters Disk $19.95
(Special price expires December 31, 1992.)

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December 1992

Charter Subscription Offer

We must have your order by Jan 15 if you want to be a charter subscriber to our newest publication:

Fishhead's Children
Bridges and lighthouses for computer users

This is Tom Weishaar speaking. Every day we get letters from our subscribers telling us that they love our publications, but that they're switching to a Mac or an MS-DOS machine. The letters always say something like, "If you ever start a newsletter about my computer, let me know, I'd like to be a subscriber."

As you should know by now, we're strong believers in the Apple II and always will be. But we can't ignore reality forever. Our Apple II user base is slowing moving on to other machines. It's time for us to jump in and help our subscribers make the transition.

Beyond the Apple II

So I'm starting a new newsletter, Fishhead's Children. It's designed to build bridges from the Apple II to other kinds of computers. It should also be of interest to people who've never used an Apple II, but need bridges between the computers they do use.

Because in today's computer world, we're all faced with having to sit down and be productive on a variety of machines. On Mondays maybe it's Macintoshes, on Wednesdays maybe it's Windows, on Sundays maybe it's UNIX workstations and terminals.

Fishhead's Children will be a monthly education for people who want to know more about the computer they're not already an expert on. It will talk about Macs in terms IBM-types can understand; about MS-DOS, Windows, and OS/2 in terms Mac folks can understand; and about Apple IIs and UNIX in terms anybody can understand.

But why "Fishhead's Children"?

In the early years of the last decade, way back when Steve Jobs was still head evangelist for the Apple II, a couple of Apple's programmers were working on a program that the company wanted to ship in the box with its computers. It was a program for managing files — copying them, deleting them, renaming them. What was original and amazing about this program was that users didn't have to type in file names to use it. The program listed the names of files on the screen and users selected which files to act on.

The programmers named the program FISHHEAD. During testing, someone from Apple's marketing department insisted that FISHHEAD wasn't acceptable. So the programmers put their heads together and changed the name to FID. (Now you remember?)

Before FID was released, a fellow from marketing paid the programmers a visit. He wanted to know what "FID" stood for. "File Developer," they said. The fellow from marketing liked that, told them "nice job," and left. But after the door closed behind him, the programmers slapped hands and gloated, "Fishhead In Disguise!"

Who should subscribe

Fishhead's Children is a newsletter about the programs that come in the box with today's computers. So let me warn you up front. If you only use one kind of computer and you've read the manuals and you understood them, you don't need Fishhead's Children.

But if you use an Apple II at home and Windows at work, or if your kid uses a Macintosh at school but your office came equipped with a UNIX terminal, or if you're an MS-DOS wizard but the gal in the next cubicle is using OS/2, then you'll want to read Fishhead's Children.

Or if you scanned the OS/2 manuals and found them thin, or the MS-DOS manuals and found them thick...if you studied the manuals for Macintosh System 6 (or 5) but now you use System 7...if your UNIX training was high viscosity...if you think Window's a pane...think about getting Fishhead's Children.

Every other computer publication I know of assumes that you'll spend your entire life using just one computer. And maybe you will. But if you're like the people I know, you have to use more kinds of computers than you've read the manuals for. That's why you should subscribe to Fishhead's Children.

You'll Save Time and Money

Most people spend half-an-hour to an hour with our newsletters each month and in that time they read every word we print. You can't even turn all the pages in most computer manuals or magazines in that amount of time, much less absorb much of anything. What you read in our newsletter will be immediately useful. It will give you tips and techniques for solving the problems you're having today and tomorrow. If what you want is slick pictures of big buck equipment you can't afford, I'm out of here. If what you want is solutions to the problems you've having today, invite me in.

You'll Get A Continuous Education

Training. Retraining. Education. It's what you need to get and keep ahead. Knowing how to use whatever computer somebody sticks in front of you gives you power.

Let me show you how to hook your personal Mac portable into the UNIX system at work. Let me show you how to select letters, words, or paragraphs without taking your hands off the keyboard no matter what kind of machine you're working on. Let me show you how to fix that hard drive that won't boot with the software that came in the box with your computer.

Continued on next page
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Here's something to get you off your butt. If you call us, fax us, or otherwise get your order form to us by Jan 15, you'll become a subscriber while our first issue — January 1993 — goes to new subscribers. I'm going to rubber stamp all the newsletters in that first batch with "Official Charter Subscriber" and autograph them. This will be no laser-printed signature, my friend, this will be the real thing. And you'll have to be in that first batch to get one. So call or write today. We don't have Fishhead's Children in the subscription area of our origami order form yet, so it's a write-in candidate:

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Studio City

The latest tips and news for creators of HyperStudio stacks. Tutorials, examples, clip art & sounds, and more. 6 issues/year, 3.5 disk only.

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SC-2 (formerly Stack-Central) 2 years $87.00
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Editor Randy Brandt of Beagle & UltraMacros fame gives you the latest AppleWorks & TimeOut tips, macros, and wares. 6 issues/year, 3.5 disk only.

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TO.Sam TimeOut-Central Sampler Disk $3.00

Classic Apple Thunder

1 Meg Ile/Ilc cards

Here's an inexpensive way to get a large AppleWorks 3.0 desktop and fast AppleWorks 3.0 performance. Sequential System's 1 megabyte memory card for the Apple Ile is just $79.95. Fits in the Ile auxiliary memory slot. Take out your 80-column card, put it on the shelf, then plug this baby in instead.

We can also get you a 1 Meg memory card for later Apple Ile/IIC computers. To determine if a Ile can use this card, enter PRINT FEES (64447) at the Applesoft prompt. If the computer responds with 3, 4, or 5, the card will work. If it responds with 255, 0, 1, or 2 it will not.) Includes installation instructions.

These cards are from Sequential Systems and come with RAMdisk software: Caution: Desktop expansion software for AppleWorks 2.1 and earlier versions isn't included.

SOQ-002 1 Meg Ile Memory Board $79.95
SOQ-007 1 Meg IIC Memory Board $169.95

Ile Mouse

You can turn an Apple Ile into a desktop publishing workhorse with Publish It. Like many other programs, however, Publish It works far better with a mouse. Sequential System's new bitMouse controller works with MS-DOS-style serial mice. You can get the card from us with a mouse, or you can get it without and pick out the exact mouse you want.

SOQ-004 bitMouse card (w/o mouse) $69.95
SOQ-005 bitMouse care & mouse $99.95

Ile Serial Interface

Hey, another thing you can do with a Ile is hook a modem to it and use it as a telecommunications workhorse. See the back page of this catalog for telecom ideas. If you have a Ile, you need a serial card to hook the modem to, however Sequential Systems has an Apple Super Serial Card-compatible interface that's perfect for this and other applications.

SOQ-003 superCOMM Serial Card $79.95

Some Rainbows

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For additional Ile/IIC speed, the Zip 8MHz accelerator will blow the socks right off Santa Claus. Plug into microprocessor socket. Complete installation instructions included.

ZC-002 Zip 8MHz Accelerator for Ile $139.95

Publish It v4.0

Publish It is a full-featured desktop publishing tool that allows you to design, layout, produce, and print top-quality, professional-looking, colorful documents. It allows you to do page layout, word processing, typesetting, and graphics. It comes with a quick-start mini-manual designed to get you up and running in less than 60 minutes, as well as full documentation.

Even though it's a ProDOS 8 program, Publish It uses Apple's desktop interface, just like the Apple Igs or a Macintosh. You'll see exactly how your finished document will look on your computer screen. You can use the program's built-in layout tools to overlap, reposition, and resize elements on the page. You have the power to easily change a layout or experiment with alternative page layouts. Once your pages look the way you want them to, you can print them on your dot matrix or laser printer.

Supported printers include all printers commonly used with Apple Igs, including major lines from Apple, Epson, Gemini, and Okidata, all PostScript printers, and all printers compatible with one of these. Version 4 also supports Hewlett-Packard DeskJet and LaserJet printers. Or you can print to a PostScript file that you can take a typesetting service bureau for the highest-quality output.

TW-001 Publish It 4 $119.00
Apple IIgs Lightening

There are literally hundreds of thousands of Apple IIgs computers in the world with 512K of memory and one 3.5 disk drive. These machines can compete with the Macs and PC clones of the world when they have equivalent amounts of memory, hard drive storage, Apple IIgs System 6, and great up-to-date software.

IIgs 4 Meg Card
$149.95

This new IIgs RAM card with 4 Megs of memory soldered right on the board is our hottest-selling product. The card is fully compatible with GS/OS, D.M.A. and all IIgs software. It has a multi-layer circuit board and a cool, low-power design. It comes with diagnostic software on disk. But best of all is the price.
SQ-001 4 Meg IIgs Memory Board $149.95

Zip 8Mhz/16K IIgs Accelerator

Speed up your Apple IIgs with Zip's low-power accelerator. Adding this card to your system speeds up everything you do on your IIgs, from older AppleSoft programs, to AppleWorks, to the latest desktop programs like HyperStudio and HyperCard IIgs.

Zip's accelerator runs at 8 Mhz and has 16K of onboard fast cache memory. It is expandable to 64K or 12 Mhz. It's DMA compatible. can be configured using either DIP switches or software or both, and includes a diagnostic LED. It comes with a paper manual, a manual on disk, and desk accessories for configuration. It installs in either slot 3 or slot 4. No need to disable your screen or mouse.
ZC-001 Zip 8Mhz/16K Accelerator $199.95

Sharp QA-25c Projection Panel

Here's a great deal for your school or user group demos. Connect this projection panel to the composite video connector on the back of your Apple II (any Apple III) and lay the panel on an overhead projector. It's a portable Big-Screen system.

We bought this panel to use at our summer conference, but then moved the conference to a facility that has real (and real expensive) big-screen projectors in the seminar rooms and haven't needed it. Images are projected in dark blue, with a light grey background. Also works with IBM-PCs and compatibles (CGA port required). One only — like new except price!
SO-QA25 Sharp Projection Panel $499.00

GS RAM Expander

Connect this to your 1 Meg Apple memory card and you'll be able to add from 1 to 4 additional Megs of memory to your system. Uses standard 1 Meg chips. Comes with 32 empty sockets.
CV-002-0 CVTech GS-Memory 0K $39.95

GS/OS System 6

This is Apple's official system 6 package. It includes 6 disks and Apple's own big 592-page manual. Upgrade your IIgs to the latest system software.
DA-013 GS/OS System 6 w/User Manual $39.00

Pointless

In the Mac and MS-DOS worlds, the equivalent program, Pointless is the best-selling Adobe Type Manager. Pointless displays fonts on your screen or printer with sharp edges at any point size. Pointless works with any GS/OS program, including favorites such as HyperStudio, HyperCard IIgs, GraphicWriter III, Platinum Paint, and AppleWorks GS.

Pointless works with the same TrueType fonts popular on the Macintosh. The package includes New York, Geneva, Courier and Courier Bold, Monaco, Chicago, and Symbol. Unlike IIgs fonts, you don't need a separate file for each point size. One TrueType font file and Pointless can create any size of type you want — without jaggies. Public Domain and ShareWare TrueType fonts are widely available in places such as our font library on GZine.

WC-002 Pointless $49.95
FC-002 300 TrueType Fonts $63.75
RC-112 Pointless/Font Combo $99.95
(Combo offer expires December 31, 1992)

MultiMedia

Apple's HyperCard has always been part of the driving force behind the Macintosh. HyperCard IIgs is Apple's own clone of the Macintosh version. However, unlike the Mac version, this one supports color.

HyperCard is based on the idea of stacks of cards. You can paint designs on the cards, add text fields, and add buttons that initiate actions when they are pressed. Button actions and other stack features are controlled using a modern object-oriented programming language called HyperTalk.

Another program that allows you to create stacks of cards that hold text, graphics, sounds, and buttons is HyperCard and HyperStudio. The primary difference between HyperCard and HyperStudio is that most features of HyperCard require the author to use the HyperTalk programming language. Most features of HyperStudio, on the other hand, are selected from menus and lists using the point-and-click desktop interface.

AP-002 HyperCard IIgs v1.1 $69.00
RW-005 HyperStudio v3.1 $125.00

Kangaroo

Kangaroo is neat. It adds a pull down menu inside the Open and Save dialog boxes of Apple IIgs desktop applications. The new menu allows you to do all those things you typically want to do while Opening or Saving files but usually can't — things like creating new folders, deleting or renaming old files, and running a find-file utility. But that's just the extras. What Kangaroo is really all about is that the menu also lets you directly select any one of the last 15 folders you've used. You hop around your hard drive like a...well, you get the idea.

Kangaroo can also add a new item called "Open" to the menu bar in your Apple IIgs desktop applications. To open a recently-used file, just select it from the Open menu. You completely bypass the file selection dialog box.
SH-009 Kangaroo $34.95

Your Money Matters

Your Money Matters tracks your income, expenses, assets, and your liabilities. Categorizes these accounts any way you like. Allows split transactions. Makes the entry of recurring transactions easy. Compares monthly expenses with previous year and with budget amounts. Displays comparisons as graphs or tables. Exports or imports data. Loads all data into memory to make the program fast. Prints checks, including payee address. Flexible sorting and selection criteria make it easy to get the report or find the transaction you want. Online Help Screens. Calculates annual rate of return on investments. Budget amounts can increase/decrease a set percentage or amount each budget period. You can balance/reconcile any account, including credit cards, loans, IRAs, savings accounts, and checkbooks. No copy protection. Standard one-file GS/OS program. Works from a 3.5 or a hard disk. One data file per set of accounts (you can keep separate sets of accounts for as many people or businesses as you want).
SP-001 Your Money Matters $79.00

Out of This World

Bill Heinelman's new IIgs masterpiece has won the highest rating ever given to a game by Computer Game Review. You are hurled through space and time by a nuclear experiment gone wrong. You must blend logic and skill to survive the alien land you find yourself in. Graphics you won't believe!
BR-116 Out of This World (IIgs) $49.95

GNO/ME

GNO/ME is a UNIX-like multitasking system for the Apple IIgs. Implemented as an extension to GS/OS, GNO switches between programs 60 times a second. The current release does not allow multiple desktop programs to run concurrently, however, you will be able to run one desktop program with any number of text applications. Distributed along with GNO is a growing UNIX compatibility package. This allows you to compile many BSD UNIX programs for use on the IIgs.
PR-001 UNIX-like MultiTasking $89.00
Get Online Tonight Bundle

$139 wires you to the world-wide online network!

The Get Online Bundle

We want you to join us online. Resource Central manages the Apple II areas on GEnie Services, the leading online information service owned and operated by General Electric. There are two Apple II areas on GEnie. The larger of the two is called the Apple II RoundTable, or "A2". The other is the Apple II Programmers and Developers RoundTable, or "A2Pro."

Each area includes a library of the best Apple II-related software and data files you’ll find anywhere, including system software updates and technical notes direct from Apple. classic Beagle Bros software, the A2-Central font clearing house, graphics, games, and AppleWorks templates. In A2Pro’s library, you’ll find reams of sample source code.

In addition to the library, each area has a bulletin board where you can get fast answers to your questions. Most the leading Apple II related companies provide customer support inside the A2 bulletin board. In A2Pro we not only have some of the best Illgs programmers in the world, but a few of Apple’s own engineers come by on their own time to help developers with Apple II-related puzzles.

Each RoundTable also has real-time conference rooms where you can ask questions at regularly scheduled formal and informal conferences with leading guests from the Apple II community.

To help you get online, we’re offering a bundle that includes the communications software Talk Is Cheap, the 2400 baud SupraModem, and a cable for hooking the modem to your computer. It’s all IIs and IIc users need to get online with the world. (Ile users also need a serial card, see page 2 of this catalog.)

Talk Is Cheap

In order to use a modem you have to have telecommunications software running on your computer. At a minimum, this software takes your keystrokes and passes them on to the modem, which passes them on to the remote computer you’re connected to, and it grabs the characters coming in from the remote computer and displays them on your screen.

Talk Is Cheap is an excellent, inexpensive telecommunications package. It saves the characters sent to you in a “scroll back buffer” so you can recall the text that scrolls off the top of your screen. It comes with an editor you can use to write messages and it has a special mode for use in real-time conferences. It supports the file transfer protocols known as XMODEM and YMODEM. And it’s strongest feature is a robust “scripting language” you can use to turn it into a “hands off” telecommunications robot.

Supra 2400 Baud Modem

A modem allows you to hook your computer to the world-wide telephone network. Once connected, you can call other computers — from Apple IIIs running local bulletin boards to the large mainframes used by international information services such as GEnie. Moderns work at various speeds, or “baud rates.” Most moderns sold today operate at a variety of speeds up to 2,400 baud. And faster 9,600 and 14,400 baud moderns are just now becoming popular.

Our bundle includes the Supra 2400 baud modem. It’s an external modem. It sits on the desk beside your computer. It comes with one of those little power cubes that plugs into the wall and a phone cable that plugs into a modular jack. You also have to connect the modem to your computer with a “serial cable.” Since the cable you need depends on which computer you have, please specify which one you need.

If you’re tempted to get a state-of-the-art modem, you should know that recent rapid changes in modem technology are starting to slow down and prices and standards are starting to settle.

We carry a complete line of SupraModems. These moderns work with any computer, including all Apple IIIs, Apple IIe, and II Plus computers. SupraModems require an additional serial interface card, see page 2 of this catalog. They are 100 percent compatible with the industry-standard “AT” command set, automatically adjust to optimal protocol and rate, include everything you need except software and serial cable; and have a 5-year limited warranty.

For an additional $39.95 we can send you a bundle that includes the Supra 2400 baud modem with MPS and v.42bis. These are error correction and data compression protocols that reduce transmission errors and increase throughput up to four times when you’re connected to another modem that supports MPS or v.42bis.

For those of you ready to upgrade to 9600 baud, we have the SupraModem 9600 v.32 and the top of the line v.32bis. These moderns do everything the 2400 baud MPS/v.42bis modem does, but they do it four times faster when you’re connected to another industry-standard v.32 modem (six times faster, 14,400 baud, when connected with v.32bis). They have a digital status display and are also include full send/receive fax capabilities when combined with compatible Class I or Class II fax software (nofax software is included with our modem; stand-alone fax software is not currently available for the Apple II series.)

Our modems, cables, and software are all available separately as well as in our bundle. Let us know what you need, we want to see you online!

Hotter Bundles

Instead of Talk Is Cheap

SM-003 ProTERM reg $85.00 add $45.00

SM-004 2400 baud MPS reg $149.95 add $39.95

SM-005 9600 baud v.32 reg $279.95 add $169.95

SM-005 14400 baud v.32bis reg $494.95 add $229.95

How to open an account on GEnie

How to open an account on GEnie

United States: Set-up: Half Duplex (local echo) 300, 1200, or 2400 baud

Bay Area: 1-800-638-8369

Chicago: 1-800-638-8369

Los Angeles: 1-800-638-8369

In addition to Talk Is Cheap

Start your own bulletin board

MD-003 ProLine Bulletin Board System v.2.0 $199.95

Resource Central

P.O. Box 11250 • Overland Park, KS 66207 • 913-469-6502 • (Fax 913-469-6507)
New Stuff

Shanghai II: Dragon’s Eye

Like the original Shanghai, Shanghai II is a strategy game based on the ancient oriental game of Mah-Jongg. The object of Shanghai is to remove 144 tiles from a stack of tiles by removing matched pairs. It sounds simple, but you must think several moves ahead in order to free key tiles that otherwise would be buried in the stack.

Shanghai II offers 13 different stack layouts and 8 different sets of tiles. The sets include alphabet animals, fantasy, sports, cards, flags of the world, and Mah-Jongg. Some of the tiles are animated. When you select matching tiles, the tile icons erupt, splash, frown, laugh, kick, or otherwise surprise you with action and sound.

Shanghai II also introduces an entirely new game option called The Dragon’s Eye. In this game the goal of the Master is to build a dragon by placing tiles on the board. The goal of the sayer is to tear the dragon down by matching tiles. A perfect family game. Requires an Apple IIos with 1.25 mgs of memory. Hard drive installable.

BR-124 Shanghai II: Dragon’s Eye $49.95

Pick N’Pile

In this new Apple IIos game from Procyon, a multitude of colored balls are falling from the sky. It’s your job to make them disappear. Excellent playability, superb graphics and sound effects.

PR-002 Pick N’Pile $29.95

Contacts GS

Here’s a sweet and simple desk accessory for tracking the addresses and phone numbers of your personal and business contacts. Accessible from within any GS/OS program. Can dial phone with your modem or via the ilos speaker. Search by first or last name, city, area code, or comments.

SS-011 Contacts GS $14.95

1040 Works

Nobody looks forward to doing their taxes, but this year you can use classic AppleWorks and 1040Works to make the job easier and more fun.

1040Works is a set of professionally-designed AppleWorks templates that compute the U.S. federal income tax. You load the files on the AppleWorks desktop. Fill in the blanks, and watch 1040Works do its magic. 1040Works prepares and prints the following tax schedules and forms: 1040, A, B, D, C, E, F, P, SE, 2106, 2119, 2210, 2441, 3903, 4562, 6251, 6283, 8582, 8582CR, 8606, 8615, 8814, 8829.

1040Works-X requires 528K of memory and AppleWorks 2.0 or later, but is easier to use because it produces all 23 tax forms with fewer templates.

NA-003 1040 Works 5.25 disks $34.95
NA-004 1040 Works 3.5 disks $34.95
NA-005 1040 Works-X 5.25 disks $34.95
NA-006 1040 Works-X 3.5 disks $34.95

ProDOS 8

System Disk v4.0.1

At last! Apple has just released its update to the ProDOS 8 System Disk that corresponds to the OS/0S System 6 release. This disk requires a 128K enhanced Apple Ile, a llec, or a IIos. (If you need a 64K Apple II-Plus to enhance Apple lle ProDOS system disk, order DA-902 ($18) instead. If your interest is DOS 3.3, order DA-022 ($20), the DOS 3.3 User’s Manual, which now includes a disk.) The new ProDOS 8 v4.0.1 package includes both 3.5 and 5.25 disks.


Also on the 3.5 disk is Clock.Patch, a program that can be run to update ProDOS so it will display the correct year when the current settings expire in 1996.

DA-002 ProDOS 8 System Disk v4.0.1 $14.00

AutoArk

You can double the capacity of your hard drive with AutoArk from Econ Technologies! This IIos System 6 extension automatically compresses and expands files an average of 50 per cent, on-the-fly, as you load and save from within GS/OS programs. Files used with ProDOS 8 programs can be compressed and expanded from the Finder. Compressed files can also be encrypted and password protected. Compatible with Econ’s Universe Master.

ET-002 AutoArk $39.95

Ultra 4.1

Ultra 4.1 is Randy Brandt’s latest major upgrade to TimeOut UltraMacros. Hardware-wise, it requires an enhanced Ile, llec, or IIos with at least 192K of memory. Software-wise, you must have TimeOut UltraMacros 3.0.

Ultra 4.1 offers many powerful new features, including more variables, for-next loops, and improved versions of old commands. It adds dozens of new commands, as well as a new ability to add additional “do” commands.

Ultra 4.1 provides you with one of the most powerful programming environments available for classic Apple II computers. You get all the power of AppleWorks for your development environment and to use as tools. Ultra 4.1 gives you total control over AppleWorks.

The Ultra 4.1 package includes Ultra Extras, which was originally planned as a separate package. The extras include an advanced debugger, more new commands, and sample files and tips.

Ultra 4.1 $14.95

Contact: GS $14.95

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NA-004 1040 Works 3.5 disks $34.95
NA-005 1040 Works-X 5.25 disks $34.95
NA-006 1040 Works-X 3.5 disks $34.95

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Ultra 4.1 $14.95

Howardsoft Tax Preparer

Howardsoft Tax Preparer is professional tax planning and return preparation software. It runs on anything from a 64K Apple II-Plus to an Apple IIos, and takes advantage of additional memory and 80-column screens when available. It not only performs the arithmetic, but also knows the tax laws well enough to complete forms based on raw data. You can enter data throughout the year and generate model returns for future years that result in more accurate tax planning than is possible with most tax-planning software.

Tax Preparer brings to the consumer the tax expertise that the professional demands and it brings to the professional the case-use-of that the consumer demands. The tax novice will appreciate its built-in protections against illogical entries and its automatic computation of overlooked credits. The tax professional will appreciate the thoroughness of its automation, from data entry through printing, and the depth of its tax support.

Annual updates are available directly from Howardsoft.

Howardsoft Tax Preparer $199.00

January 1993
A2-Central

A2-Central

An International Clearinghouse of information for users of all types of Apple IIe, Winner of Best Apple II Publication award in both 1990 and 1991.

A2-1 A2-Central 12 issues/yr, 8 pages 1 year $49.00
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A2-FSD Full text of paper back issues on 3.5 disk $49.00
A2V1 Volume 1 January 1985 - Jan 1986 $9.95
A2V2 Volume 2 February 1986 - Jan 1987 $9.95
A2V3 Volume 3 February 1987 - Jan 1988 $9.95
A2V5 Volume 5 February 1989 - Jan 1990 $14.95
A2V6 Volume 6 February 1990 - Jan 1991 $14.95
A2V7 Volume 7 February 1991 - Jan 1992 $14.95

A2-Central on disk

Our award-winning newsletter plus a monthly disk filled with the best stuff we find online and in our mailbox. 12 issues per year, newsletter & 3.5 disk.

AD-1 1 year $90.00
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1990 AD-AS9.5 AD-AS9.6 AD-AS9.7 AD-AS9.8 AD-AS9.9 $18.00

SUBSCRIPTION CONVERSIONS: For special offers: single issues - regular price per disk - $7.50 per disk. By subscription, single issues cost $7.50 per disk. Of the cost of less than what most users charge for public domain 3.5 disk, just $4.67 per disk ($36 - $36 / 12).

Getting Started

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CO-004 CompuShare Your IICs Guide (5/91) $21.95

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SM-001 Supra 2400 baud modem (110 volts) (1/90) $99.95
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SM-005 Supra 14400 baud modem V.32bis (7/92) $349.95

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CS-001 Talk Is Cheap (3/90) $40.00
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MD-004 ModernWorks v3.0 (11/91) $79.95
KG-001 Co-Pilot (GEiene interface for IICs) (1/91) $25.00
TH-001 GEiene Master 4.0 (requires AWork 3.0 & TIC, Point-to-Point, or ProTerm) $20.00

Modern Cables
RC-001 6' cable for IICs/Plus-Plus (1/90) $15.00
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SH-008 Seven Hills: Formulate IICs (4/92) $39.95

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AppleTalk Networks

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AW-003 Apple: Understanding Computer Networks $9.95
AW-043 Planning & Managing AppleTalk Networks (4/92) $18.95

Hardware
HH-001 Hands on AppleTalk (3/90) $21.95
DA-012 Apple: Apple II AppleShare Pro Guide APDA $20.00
AW-005 Apple: Inside AppleTalk $34.95

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OE-001 ModNet-8 pin for IIC, IICs, new Macs $19.95
SQ-006 AppleTalk card for ImageWriter II (10/92) $95.00

AppleWorks

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Editor Randy Brandt of Beagle & UltraMacros fame gives you the latest AppleWorks & TimeOut tips, macros, and wares.

TO1 TimeOut-Central 6 issues: 3.5 disk only 1 year $48.00
TO2 2 years $87.00
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JE-013 Ultra 4.1 (requires UltraMacros 3.0) (1/93) $39.95
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Ile/Iic Programming

8/16-Central

8/16-Central, our publication for Apple II programmers, was published monthly from March 1986 to October 1991.

ES-FS All back issues (20 disks at $3.95 each) $79.00

Technical references

DA-04 Apple: Classic Apple Technical Notes (10/92) $20.00
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QS-02 Sather: Understanding the Apple II (8/92) $14.95
Apple Ile
QS-03 Sather: Understanding the Apple Ile (8/92) $14.95
AW-03 Apple Ile Tech Ref $24.95
Apple Ile
DA-07 Apple: Apple Ile Tech Ref 2nd Ed (1989) APDA $30.00
DA-08 Apple: Apple Ile Memory Card Reference APDA $15.00
HS-05 SAMS Apple Ile/II Computerfaq'S (8/92) $9.95
Other hardware
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DA-09 Apple: Apple Memory Card (Slippery) Ref APDA $15.00
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DA-11 Apple: Video Overlay Card Developers Kit APDA $19.00
DA-12 Apple: Apple II AppleShare Prog/Guide APDA $30.00

Applieosoft

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AW-01 Apple: Applesoft Tutorial (w/disk) $29.95
AW-02 Apple: Applesoft Programmer's Reference $22.95
AW-04 Catalog/Overview: Bit of Applesoft (9/90) $9.95
AW-05 Myths: Graphics for the Apple II (9/90) $9.95
CB-09 Computer's Second Book of Apple (3/92) $14.95

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MD-01 MD-Basic $59.95
MD-02 ModernWorks v3.0 / OMM $79.95
BB-02 Beagle Compiler (Applesoft compiler) (1/90) $59.00
BB-03 Program Writer (Applesoft program editor) (1/90) $37.50
KS-01 Microd!t (Basic system replacement) (9/91) $29.95
IS-02 Basic Help (On-line Reference & Help) (7/91) $29.95
DA-01 Apple: Apple Flicker Toolkit APDA $19.00

Pascal

DA-02 Apple: Apple II Pascal v1.3 APDA $69.00
DA-03 Pascal Lab Pak (10.5 disks, no docs) APDA $69.00
AW-07 Seiler/Weiss: Pascal for Basic Programmers (9/90) $12.95
DA-04 Apple: Pascal Technical Notes (10/92) $4.00
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DA-01 Apple: Apple II Flicker Toolkit APDA $19.00

Other languages

MS-002 Microl Advanced BASIC for illc (1/90) $89.00
DA-04 Apple: Apple II SuperPILOT APDA $69.00

6502 assembly language

RW-01 Wagner: Assembly Lines: The Book (6/88) $19.95
DS-04 disk for this book $15.95
AW-012 Finley: Asm Lang for Applesoft Programs (8/88) $18.35
CB-01 Mansfield: Apple Machine Lang Beginners (3/92) $18.95
DA-01 Apple: Apple Flicker Toolkit APDA $19.00
DA-02 Apple: Desktop Toolkit APDA $30.00
PD-01 ProDev 6502 Debugger for Ile (3/91) $189.00

DOS 3.3

QS-04 Beneath Apple DOS APDA $20.00
DA-03 Apple: DOS 3.3 Programmer's Manual APDA $20.00
AW-08 Wintermeyer: Applesoft® Toolkit (9/90) $9.95

ProDos 8

QS-01 Beneath Apple ProDos $12.95
QS-06 Supplement for ProDos 1.2 & 1.3 $9.95
TB-06 Domo/Weeshan: ProDos Inside and Out (6/88) $16.95
DS-02 disk for this book $10.00
AW-04 ProDos: BASIC Proc with ProDos (w/disk) $29.95
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AW-04 Apple: Apple IIgs GS/OS Reference $29.95
DA-07 Apple: GS/OS Device Driver Reference APDA $29.00
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Technical references

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AW-03 Apple: Apple IIgs Hardware Reference $24.95
DA-26 Apple: Apple IIgs Firmware Reference $24.95
AW-02 Apple: Apple IIgs Hardware Reference $24.95
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AW-14 Apple: Human Interface Guidelines $14.95

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Back issues of all publications are available singly or in sets. Back issue sets are listed elsewhere in this catalog with each publication. Single back issues of any of our disk publications cost $10 each. All Apple II/4 Central on paper back issues are $2 each. Or you can get a full text of all Apple II/4 Central back issues for just $49. Please specify whether you want paper back issues or text files on 3.5 disks.

Introductory Offer

Resource Central Disk Sampler
Sample disks of Apple II/4 Central on disk, Time-Out-Central, Script-Central, and Studio City.

Back Issues

RC-SCANP Resource Central Disk Sampler $12.00

High-level language tools

High-level (see Multimedia)

Pascal

BW-011 Toolbox Programming w/ Pascal (7/92) $75.00
BW-001 ORCA/Pascal (11/90) $90.00
BW-02 ByteWorks Pascal Tutorial (11/90) $50.00
DA-018 Apple: MPW II Pascal V 1.0.1 APDA $175.00

C

BW-003 ORCA/C (11/90) $90.00
BW-04 ByteWorks Learn to Program in C Tutorial (11/90) $50.00
DA-017 Apple: MPW II C V 1.0.1 APDA $150.00

BASIC

MS-001 Microl Advanced BASIC for the Iles v4.0 (6/92) $99.00

Assembly language tools

RW-002 Merlin 8/16 (DOS 3.3, ProDos 8, GS/OS) (1/90) $99.00
BW-005 ORCA/M Assembler v2.0 (11/90) $90.00
BW-06 Merlin to ORCA Source Converter (11/90) $110.00
BW-07 ORCA Disassembler (11/90) $300.00

Debuggers

BW-010 ORCA Debugger (7/92) $39.95
DA-015 Apple: GS Bug and Other Debugging ToolsAPDA $30.00
PD-02 ProDev 66016 Debugger for Ile (3/91) $189.00

Universal development tools

BW-009 Talking Tools (text to speech pkgs) (9/91) $49.95
DA-020 Apple: Apple IIgs Source Code Sampler APDA $20.00
SS-007 Genevys (Resource Creator/Editor) (6/90) $90.00
BW-06 Design Master (GS/OS Resource Creator) (11/90) $57.00
SS-009 Edit-16 APW/ORCA/Merlin editor (3/91) $49.95
AW-033 Prog Online Companion for the Iles (1/89) $37.50

MPW Cross-Development Suite

DA-019 Apple: MPW IIgs Tools v1.3 APDA $50.00
DA-016 Apple: MPW IIgs Assembler v1.2 APDA $100.00
DA-017 Apple: MPW IIgs C v1.0.2 APDA $150.00
DA-018 Apple: MPW IIgs Pascal v1.1 APDA $175.00

Binders

RC-108 3-Ring Binder $17.95
Resource Central Catalog

Get the books, software, and equipment you need from the warmth of your own computer room. No handling fees or extra charges for surface shipping on most items, even though we ship within 24 hours. To order, use the self-mailer that was in the envelope with your publication.

The A2-Central Summer Conference

Our 5th Annual Kansasfest

Apple II's Sweet Sixteen

Last year's conference was such a rousing success that it made sense to continue the celebration this year with a Sweet Sixteen party. In the past, attendees have raved over the sessions but were equally (or even more) enthused over the prospect of staying up all night in the dormitory, partying and hacking around with their online buddies and/or Apple II hotshots.

More details will follow next month, but right now we can tell you that Kansasfest will take place on Thursday and Friday, July 22-23. In an attempt to simplify our lives, we are returning to our original two-day format. Sessions should run the gamut from general information to high tech programming stuff.

Call us to make advance reservations. Mark your calendars now and get ready to celebrate!

New Apple II Goodies

Ilgs MultiFinders

The Apple IIgs world has been blessed already in 1993 with the introduction of two different programs that allow switching between GS/OS applications. The programs are The Manager from Seven Hills Software and Switch-II from Procyon Enterprises.

We hope to have a complete comparison of the two programs in an upcoming issue of A2-Central, but meanwhile we know many of you would like the chance to look at one or the other (or both).

Both extensions to GS/OS allow you to run an application program, switch back to the Finder without quitting, run another application program, switch back to the Finder without quitting, run another program, and so on, until you run out of memory. You can switch between the applications you've run whenever you like. Each application is left where it was when you last switched out of it, or beyond — The Manager claims to be able to run some applications in the background while another is active in the foreground.

Both programs say they are fully compatible with AppleWorks GS, GraphicWriter III, Platinum Paint, and more. The Manager also specifically claims compatibility with Teach, Express, Kangaroo, and TransProd III, while Switch-II specifically claims compatibility with DreamGrafix, Medley, HyperCard, and HyperStudio.

We have Switch-II in stock now and expect to have The Manager by the time this catalog reaches you.

SH-010 The Manager (Introductory Price) $49.95
SQ-008 Switch-II $59.95

Foundation

GS/OS files, like Macintosh files, can have both data and resource forks. The resource fork holds information used by programs and the operating system. Normally you can't see or modify what is in the resource fork of a file.

Foundation is a "resource editor" modeled after Apple's ResEdit for the Macintosh. With it you can examine, modify, and create resources. Programmers can use Foundation to learn how others are using resources and to speed development of their programs. The rest of us can use Foundation to tweak programs that use resources so they're more to our liking.

LP-001 Foundation $59.95

Six Pack

Add features to System 6 with Bill Tudor's package of Finder extensions and desk accessories. Features include: MoreInfo - displays and lets you change file type and aux type, access permissions, and more. AlarmClock - the most compatible menu bar clock. SuperDataPath - remembers a default data directory for each application. HotKeys - put your numeric keypad to work. FilePeeker - preview graphics, text, and sound files. WorkSet - like the Mac's alias feature, puts one file in multiple places; but better, because it can link a group of files to one icon. Plus PrintCatalog - Encrypt - FileCompare and more!

QC-001 Six Pack $29.95

Request for Proposals

If you'd like to make a presentation at this year's conference, send us a proposal by May 1. Send an outline of your topic, intended audience, and equipment and other requirements. Presenters earn a discount! Sessions should be geared for a one hour time frame.

Toolbox Programming in C Tutorial

The Byte Works' latest release in its Learn to Program series takes you beyond language skills into the world of Apple IIgs toolbox programming. Toolbox Programming in C teaches by example. The emphasis is on designing and writing real programs and building your own set of tools. Comes with over 400 pages of personal instruction and four disks of sample source code. The entire Learn to Program series includes:

BW-003 ORCA C Compiler for IIgs $90.00
BW-004 Learn to Program in C $50.00
BW-013 Toolbox Programming in C $75.00

BW-001 ORCA Pascal Compiler for IIgs $90.00
BW-002 Learn to Program in Pascal $50.00
BW-011 Toolbox Programming in Pascal $75.00

A2-Central Vol 8

All of our paper issues from February 1992 through January 1993, bound into a book with our four-page index on the covers. Great info like Apple's Tim Swihart and Andy Nicolas writing on System 6 and the Finder: Bo Monroe on graphics; Dennis Doms on AppleShare, music, and fast moderns, plus lots more!

A2V8 A2-Central Volume 8 $14.95
New Books

Money Machine II

Don Lancaster's book, The Incredible Secret Money Machine, was the jumping off point for many small businesses, including this one. Just released in a second edition, this is the book you need if you've ever considered starting your own small scale computer, technical, or craft business.

Lots of solid advice here, much of it contrary to accepted wisdom. You'll learn key secrets to successfully starting and running your own business, such as the Steam Calliope Fund, Kerns's Rule, the Black Widow Effect, The Doing Dogger concept, the deadly j-Dollars, the dangers of two crossed Granfalions, the MFQD Extractor, all the Monkee guidelines, the CAP factor, information (and emotional) sinks, and the DOT technique.

SP-002 Incredible Money Machine II $18.95

Looking Good in Print

Whether you're creating a simple ad or a sophisticated newsletter, the new 2nd Edition of Roger Parker's Looking Good in Print: A Guide to Basic Design for Desktop Publishing is for you. The standard reference for desktop publishing design, this best-selling guide introduces you to the basic ingredients of attractive page layouts, including effective typography, using illustrations to communicate your message, enhancing documents with boxes, screens, and rules, and avoiding the 25 most common design pitfalls — which can save you hours of problem solving and days of regrets.

Featuring more than 400 illustrations, Looking Good in Print lets you realize the full potential of desktop publishing, no matter what computer or software you use.

VP-001 Parker: Looking Good in Print $23.95

MS-DOS

Voodoo DOS, by Kay Yarborough Nelson, cuts through the morass of DOS commands with tips, shortcuts, and tricks that get to the heart of being productive on a PC. Voodoo DOS not only reveals common DOS traps, blind alleys, and pitfalls and clues you in on in order to avoid them.


Jamsa's 1001 DOS & PC Tips, also by internationally-known computer guru Kris Jamsa, is bursting at the seams with secrets, tips, and powerful techniques you can instantly use to get more from your computer. Learn how to fine-tune your PC for maximum performance, save conventional memory, find duplicate files, load device drivers from the DOS prompt without rebooting, and much more. The book includes a companion disk containing the powerful batch files, DEBUG script files, and utilities used for each tip.

VP-002 Nelson: Voodoo DOS $19.95

MH-011 Jamsa: DOS Complete Reference $29.95

MH-012 Jamsa: 1001 DOS Tips w/disk $39.95

Windows

Kay Yarborough Nelson's Voodoo Windows conjures up a compendium of savvy tips, tricks, and shortcuts to help you get the most from Windows and save time. You'll find a wealth of secrets and advice, from tips for starting, switching, and exiting Windows, to secrets of the Program Manager (including demystifying PIFs), to File Manager magic. Also covers printing, Windows accessories and system files, and more.

Tom Sheldon's Windows 3.1: The Complete Reference, 2nd Edition is tightly packed with information on every aspect of Windows including the use of Windows for pen computing. Also includes a chapter on small networks. Sheldon keeps things clear, precise, and practical so you can put your research to work.

Kris Jamsa's Jamsa's 1001 Windows Tips is the book you'll turn to again and again for an expert's perspective on everything from customizing the Windows environment to multi-tasking with applications, accessories, and utilities. This book covers both Windows 3.0 and 3.1. Jamsa shares his inside knowledge of potential problems and undocumented bugs. These tips could save you hours of frustration. You'll save even more with the utilities, programs, and tips included on the companion disk.

VP-003 Nelson: Voodoo Windows $19.95

MH-013 Sheldon: Windows 3.1 Comp Ref $29.95

MH-014 Jamsa: 1001 Windows Tips w/disk $39.95

Excel for Windows

Excel for Windows: The Complete Reference, by Martin Matthews and Stephanie Seymour, is a comprehensive desktop reference that will answer all your Excel questions, no matter what level of expertise you have with the software. Every Excel concept, command, feature is thoroughly described in alphabetical order so you can quickly pinpoint the information you need. Short business applications accompany each entry so you can see first hand how to apply the material. Also delivers the details on macros, tools, analysis and linking features, and more.

MH-018 Matthews/Seymour: Excel Ref $29.95

FoxPro v2.5

FoxPro for DOS 2.5: The Complete Reference, by Edward Jones and David Nesbitt, gives you an insider's understanding of programming in FoxPro and of using FoxPro on a network. Covers all the features and commands of FoxPro, including Relational Query By Example (RQBE), SQL access, Fox Report, and the Expression Builder. You'll also learn about FoxPro's integrated development tools, including Screen Painter, Menu Builder, and Project Manager.

MH-019 Jones/Nesbitt: FoxPro 2.5 $29.95

Lotus 1-2-3 v3.4

1-2-3 Release 3.4: The Complete Reference, by Mary Campbell, has just been updated and revised to cover the newest version of the best selling spreadsheet from Lotus. Every 1-2-3 feature, command, and function is fully described so you can quickly find the information you need. Ideal for users at every skill level, this reference covers all the new features of Release 3.4, as well as earlier 1-2-3 versions, including Releases 3.0 and 3.1.

MH-020 Campbell: 1-2-3 Release 3.4 $29.95

Paradox 4

Paradox 4: The Complete Reference, by Carole Boggs Matthews and Patricia Shepard, is the most complete resource available on Borland's widely used relational database for the PC and compatibles. All Paradox commands, functions, and features are described clearly. From installing and creating a database to using enhanced PAL and Script features and linking files, this reference will answer all your questions.

MH-021 Matthews/Shepard: Paradox 4 $29.95

WordPerfect v5.1

WordPerfect 5.1: The Complete Reference, by Karen L. Acerson, is an award-winning WordPerfect reference. This new third edition covers the latest version of WordPerfect. Acerson is a long-time member of the original WordPerfect staff and is a veteran WordPerfect trainer. This WordPerfect bible covers all the newest WordPerfect keystrokes, features, messages, and menu items, as well as WordPerfect capabilities such as desktop publishing, integrating WordPerfect with other software, and much more.

MH-022 Acerson: WordPerfect 5.1 $29.95
Fishhead's Children

Screwdriver / Chip Clip Special
Limited Quantity Offer — Only While Supplies Last!

In January we started a new newsletter, Fishhead's Children. It's designed to build bridges from the Apple II to other kinds of computers. In today's computer world, many of us are faced with having to sit down and be productive on a variety of machines. On Mondays maybe it's Macintosh, on Wednesdays maybe it's Windows, on Fridays maybe it's UNIX workstations and terminals.

Fishhead's Children is a monthly education for people who want to know more about the computer they're not already an expert on. It talks about Macs in terms IBM-types can understand; about MS-DOS, Windows, and OS/2 in terms Mac folks can understand; and about Apple IIcs and UNIX in terms anybody can understand.

But why "Fishhead's Children"?

In the early years of the last decade, way back when Steve Jobs was still head evangelist for the Apple II, a couple of Apple's programmers were working on a program that the company wanted to ship in the box with its computers. It was a program for managing files — copying them, deleting them, renaming them. What was original and amazing about this program was that users didn't have to type in file names to use it. The program listed the names of files on the screen and users selected which files to act on.

The programmers named the program FISHHEAD. During testing, someone from Apple's marketing department insisted that FISHHEAD wasn't acceptable. So the programmers put their heads together and changed the name to FID. (Now you remember?)

Before FID was released, a fellow from marketing paid the programmers a visit. He wanted to know what "FID" stood for. "File Developer," they said. The fellow from marketing liked that, told them "nice job," and left. But after the door closed behind him, the programmers slapped hands and gloated. "Fishhead In Disguise!"

Who should subscribe

Fishhead's Children is a newsletter about the programs that come in the box with today's computers. So let me warn you up front. If you only use one kind of computer and you've read the manuals and you understood them, you don't need Fishhead's Children.

But if you use an Apple II at home and Windows at work, or if your kid uses a Macintosh at school but your office came equipped with a UNIX terminal, or if you're an MS-DOS wizard but the gal in the next cubicle is using OS/2, then you'll want to read Fishhead's Children.

Or if you scanned the OS/2 manuals and found them thin, or the MS-DOS manuals and found them thick...if you studied the manuals for Macintosh System 6 (or 5) but now you use System 7...if your UNIX training was high viscosity...if you think Windows is a pane...think about getting Fishhead's Children.

Every other computer publication assumes that you'll spend your entire life using just one computer. And maybe you will. But if you're like the people I know, you have to use more kinds of computers than you've read the manuals for. That's why you should subscribe to Fishhead's Children.

You'll Save Time and Money

Most people spend half-an-hour to an hour with our newsletters each month and in that time they read every word we print. You can't even turn all the pages of most computer manuals or magazines in that amount of time, much less absorb much of anything. What you read in our newsletter will be immediately useful. It will give you tips and techniques for solving the problems you're having today and tomorrow. If what you want is slick pictures of big buck equipment you can't afford, I'm out of here. If what you want is solutions to the problems you're having today, invite me in.

Automatic Renewal Program

Unlike our other publications, Fishhead's Children doesn't have multi-year subscription rates. But it does have auto renewals. Pay for your first year with your Visa or Mastercard and ask to be in our automatic renewal program. You pay just $39 a year. A few days before we send the last issue of your initial subscription, we'll renew your subscription for you.

You'll have no renewal junk mail, no need to buy stamps or make phone calls, no double payments, no missed issues, you'll pay just one year at a time, and you'll get our best subscription rate.

Cancel At Any Time

Whether you take us up on our auto-renewal program or not, if you sell all your computers and buy the Brooklyn Bridge and bungee jumping equipment, you'll probably want to cancel your subscription to Fishhead's Children, too. We send refunds on outstanding issues of our publications immediately, no questions asked. And if you're not happy with Fishhead's Children, we'll send your entire subscription payment back. Let us take the risk.

Free Airmail Delivery Worldwide

Fishhead's Children will be published monthly on the same paper we use for A2-Central. This means we can send it airmail all over the world for the basic subscription rate. It also means it takes up less shelf space than any other computer publication.

While Quantities Last!

Here's something to get you off your duff. If you call us, fax us, or otherwise get your order form to us before we run out, and if you ask for one with your order we'll send you, absolutely free, your choice of a fantastic Resource Central Screwdriver or a terrific Resource Central Chip Clip. These goodies are left over from last year's summer conference, so we only have about 90 of each. The screwdriver has a flat blade on one end and a Phillips head on the other. It's suitable for taking apart any kind of computer or other unplugged electronic appliance. The chip clip is great for tying back your hair, organizing your 5.25 disks, filing your taxes, or even holding bags of edible snacks shut (not for use with silicon chips)! So call or write today. We don't have Fishhead's Children in the subscription area of our origami order form yet, so it's a write-in candidate:

FH-1 Fishhead's Children (12 issues, std renewal) $49
FH-AUTO Fishhead's Children (12 issues, auto renewal) $39
(Auto renewal requires that you pay by credit card)

Tax Time

The Tax Man Cometh

Nobody looks forward to doing their taxes, but this year you can use your Apple II to make the job easier and more fun. Choose between a terrific set of AppleWorks templates or a professional tax program.

Load 1040Works files on the AppleWorks desktop, fill in the blanks, and watch 1040Works do its magic. 1040Works prepares and prints the following tax schedules and forms: 1040, A, B, C, D, E, F, R, SE, 2106, 2119, 2210, 2441, 3903, 4562, 6251, 8283, 8582, 8586-CR, 8606, 8615, 8814, 8829.

1040Works-X requires 256k of memory and AppleWorks 2.0 or later, but is easier to use because it produces all 23 tax forms with fewer templates.

The 1040Works Tax Planner is a set of classic AppleWorks templates that will help you estimate your tax liability for future years, making it easier to find ways to reduce your taxes.

The Howardsoft Tax Preparer is professional tax planning and return preparation software. It runs on anything from a 64k Apple II-Plus to an Apple IIs, and takes advantage of additional memory and 80-column screens when available. It not only performs the arithmetic, but also knows the tax laws well enough to complete forms based on raw data. You can enter data throughout the year and generate model returns for future years that result in more accurate tax planning than is possible with most tax-planning software.

Tax Preparer brings to the consumer the tax expertise that the professional demands and it brings to the professional the ease-of-use that the consumer demands. The tax novice will appreciate its built-in protection against illogical entries and its automatic computation of overlooked credits. The tax professional will appreciate the thoroughness of its automation, from data entry through printing, and the depth of its tax support.

Annual updates are available directly from Howardsoft.

NA-003 1040 Works 5.25 disks $34.95
NA-004 1040 Works 3.5 disks $34.95
NA-005 1040 Works-X 5.25 disks $34.95
NA-006 1040 Works-X 3.5 disks $34.95
NA-007 1040Works Tax Planner 5.25 disks $27.95
NA-008 1040Works Tax Planner 3.5 disks $27.95
HS-001 Howardsoft Tax Preparer $199.00
Ordering Information

Call us! Voice: 913-469-6502
Ordering Information
If you received this catalog in the envelope with one of
our publications, there was also a one-sheet self-mailer in
the envelope. Your name, address, expiration date, and
customer ID number are already imprinted on one side of
the self-mailer—on the other side you’ll find an order form.
Please don’t send us a photocopy of the form unless you
photocopy both sides.
If you received this catalog without a self-mailer, write
your order on a plain sheet of paper and send it to:
Resource Central, Inc.
P.O. Box 11250
Overland Park, KS 66207
913-469-6502  fax: 913-469-6507

Publications
Our flagship publication is the 8-page monthly newsletter
A2-Central. It’s designed to be an international informa-
tion clearinghouse for Apple II users of every persuasi-
on. A newsletter/disk subscription to A2-Central is also
available. You get both the paper newsletter and a 3.5 inch
disk each month that’s filled with useful goodies provided
by our subscribers and guests.
We publish three additional 3.5-disk-based publications:
TimeOut-Central, for AppleWorks and TimeOut users;
Studio City for HyperStudio users; and Script-Central,
for HyperCard IIx users.

Fax: 913-469-6507
Back Issues
Back issues of all our publications are available singly or
in sets. Back issue sets are listed elsewhere in this catalog
with each publication. Single back issues of any of our disk
publications cost $10 each. A2-Central on paper back
issues are $2 each. Or you can get a full text of all A2-
Central back issues for just $49. Please specify whether
you want paper back issues or text files on 3.5 disks.

Introductory Offer
Resource Central Disk Sampler
Sample disks of A2-Central on disk, TimeOut-Central, Script-Central, and
Studio City.
RC-SAMP Resource Central Disk Sampler $12.00

Let’s Network Special
Share files and printers!
Special offer ends April 1.
Take advantage of this month’s specials to link your Macs, your IIcs
computers, your LaserWriters, and your ImageWriters into one unit.
Kids, you can even try this at home! It works at work, too!
The Apple IIcs, the Macintosh, and the LaserWriter all come
with built-in networking hardware. ImageWriter IIIs can be added to
the same network with the installation of an AppleTalk card.
The only trick is that each device you add to the network requires
a special network connector. These consist of a box with two
collectors for modular phone wire (included with the connectors)
and a pigtail that plugs into the serial port of your computer or printer.
The software you need to share files and printers is part of Apple’s
system software. (File sharing requires at least one Macintosh.)

This month we’re having our annual networking sale. Now’s your
chance to build the network of your dreams. We have the connectors
and we have the cards for ImageWriter IIIs. You don’t need a book to
put together a network, but if you’d like to study up, we’re putting all
our AppleTalk books on sale too! Sale prices expire April 1, 1993.

| OE-001  | ModuNet Connectors         | 19.95 | 16.95 |
| SQ-006  | AppleTalk Card for the ImageWriter II | 95.00 | 79.95 |
| AW-030  | Apple: Understanding Computer Networks | 9.95 | 8.95 |
| AW-043  | Apple: Planning & Managing AppleTalk Networks | 18.95 | 16.95 |
| AW-035  | Apple: Inside AppleTalk      | 34.95 | 29.95 |
| DA-012  | Apple: Apple IIx Share Programmers Guide | 30.00 | 24.95 |

Recent upgrades

Pointless 2.0
Pointless is the GS/OS system extension that
smooths jagged characters on your screen and in print
through the use of the same TrueType fonts used by
Apple and Microsoft on the Macintosh and in Windows.
If you don’t have Pointless yet you’ve waited long
enough! The brand new version 2.0 brings a number of
changes that makes the program more valuable than ever!
First of all, the speed has been increased to the
point that version 1’s spinning cursor could be totally
removed! Pointless 2.0 creates individual characters
on-the-fly as you type them, which means you no
longer have to wait while Pointless renders a
complete character set.
Next, the memory requirements have been
decreased. With Pointless 2.0 you can use an
essentially unlimited number of fonts and sizes. And
you no longer have to configure which characters you
want to have available, rather, all characters, including
extended and symbol characters, are always at your
fingertips.
Finally, Pointless 2.0 has many new features. For
example, it recognizes when TrueType fonts are added
to or removed from the system’s Fonts folder.

WC-002 Pointless 2.0 $49.95

Platinum Paint 2.0
Platinum Paint has been the IIc’s paint program of
choice for years and now it’s available in a brand new
version. With Platinum Paint 2.0 you have all the great
features of earlier versions like nine brush modes
(smear, slide, charcoal, shade, wash, smooth),
gradient fills, regular and Bezier curves, color cycling,
six airbrush methods with adjustable spray speed and
nozzle size, and user-definable brush shapes.
Plus now you can create documents of any size, you
can create and play animations, you can add sounds
to a drawing, and you can work in inches as well as
pixels. You have multiple fades magnifications up to
8x. And there’s a full-size undo. There’s a new Kids’
Mode. And now the premier IIgs paint program even
costs less than before!
BB-007 Platinum Paint $59.95

ProDOS 8
System Disk v4.0.1
Apple has released its update to the ProDOS 8
System Disk that corresponds to the GS/OS System 6
release. This new update requires a 128K enhanced
Apple IIe, a IIc, or a IIgs and includes both 3.5 and
5.25 disks. (On the back of the 5.25 disk we include
the system files you need to run ProDOS on a 64K
Apple II-Plus or an unenhanced Apple IIe.)
You get ProDOS 8 v2.0.2, Basic System 1.5,
SysUtil allows you to copy, delete, and rename
files and disks. It will also copy files between DOS-3.3,
Apple Pascal, and ProDOS disks. FastCopy, System
allows copying entire 3.5 or 5.25 disks.
Also on the disk is ClockPatch, a program that can
be run to update ProDOS so it will display the correct
year when the current settings expire in 1996.

DA-002 ProDOS 8 System Disk v4.0.1 $14.00
Resource Central Catalog

Get the books, software, and equipment you need from the warmth of your own computer room. No handling fees or extra charges for surface shipping on most items, even though we ship within 24 hours. To order, use the self-mailer that was in the envelope with your publication.

What’s Hot

**Ilgs 4 Meg Card**

$149.95

The Sequential Ilgs RAM card with 4 Megs of memory soldered right on the board is our hottest-selling product. The card is fully compatible with GS/OS, DRA, and all Ilgs software. It has a multi-layer circuit board and a cool, low-power design. It comes with diagnostic software. But best of all is the price.

SQ-001 4 Meg Ilgs Memory Board $149.95

**RAMfast SCSI Card**

Experience lightening fast hard disk access with CVTech's RAMfast SCSI card. Plug it into any Apple Ile or Ilgs to connect any SCSI hard drive, even those made for Macs and PCs.

CV-001 RAMfast SCSI Card v3.0 $189.00

**Zip Accelerators**

Speed up your Apple with a Zip low-power accelerator. Adding an accelerator to your system speeds up everything you, from older Applesoft programs to AppleWorks, to the latest desktop programs like HyperStudio and HyperCard Ilgs.

ZC-002 Zip 8MHz Ilgs Accelerator $139.95
ZC-001 Zip 8MHz/16K Ilgs Accelerator $199.95

**Pick ‘N Pile**

In this new Apple Ilgs game from Procyon, a multitude of colored balls is falling from the sky. Excellent playability, graphics and sound effects.

PR-002 Pick ‘N Pile $29.95
LP-001 Foundation $59.95

**Shanghai II: Dragon’s Eye**

Like the original Shanghai, Shanghai II is a strategy game based on the ancient oriental game of Mah-Jong. The object is to remove 144 tiles from a stack of tiles by removing matched pairs. You must think several moves ahead in order to free key tiles that otherwise would be buried in the stack. Shanghai II offers 13 stack layouts and 8 sets of tiles. Some tiles erupt, splash, frown, laugh, kick, or otherwise surprise you with action and sound.

Shanghai II also introduces a new option called The Dragon’s Eye. The goal of the Master is to build a dragon by placing tiles on the board. The goal of the slayer is to tear the dragon down by matching tiles. A perfect family game. Requires an Apple Ilgs with 1.25 megs of memory. Hard drive installable.

BR-124 Shanghai II: Dragon’s Eye $49.95

**Foundation**

GS/OS files, like Macintosh files, can have both data and resource forks. The resource fork holds information used by programs and the operating system. Normally you can’t see or modify what’s in the resource fork of a file.

Foundation is a "resource editor" modeled after Apple's ResEdit for the Macintosh. With it you can examine, modify, and create resources. Programmers can use Foundation to learn how others are using resources and to speed development of their programs. The rest of us can use Foundation to tweak programs that use resources so they’re more to our liking.

The A2-Central Summer Conference

For a good time, call 913-469-6502

KansasFest will take place on Thursday and Friday, July 22-23. In an attempt to simplify our lives, we are returning to our original two-day format. Sessions should run the gamut from general information to high tech programming stuff.

Call us to make advance reservations. Mark your calendars now and get ready to celebrate!

Request for Proposals

If you’d like to make a presentation at this year’s conference, send us a proposal by May 1. Send an outline of your topic, intended audience, and equipment and other requirements. Presenters earn a discount! Sessions should be geared for a one hour time frame.

AutoArk

You can double the capacity of your hard drive with AutoArk from Econ Technologies! This Ilgs System 6 extension automatically compresses and expands files an average of 50 per cent, on-the-fly, as you load and save from within GS/OS programs. Files used with ProDOS 8 programs can be compressed and expanded from the Finder. Compressed files can also be encrypted and password protected. Compatible with Econ’s Universe Master.

ET-002 AutoArk $39.95

Ilgs Multifinders

The Apple Ilgs world has been blessed already in 1993 with the introduction of two different programs that allow switching between GS/OS applications. The programs are The Manager from Seven Hills Software and Switch-It! from Procyon Enterprises.

Both extensions to GS/OS allow you to run an application program, switch back to the Finder without quitting, run another application program, switch back to the Finder without quitting, run another program, and so on, until you run out of memory. You can switch between the applications you’ve run whenever you like. Each application is left where it was when you last switched out of it, or beyond — The Manager claims to be able to run some applications in the background while another is active in the foreground.

Both programs say they are fully compatible with AppleWorks GS, GraphicWriter III, Platinum Paint, and more. The Manager also specifically claims compatibility with Teach, Express, Kangaroo, and Transform III, while Switch-It! specifically claims compatibility with DrawGraphix, Medley, HyperCard, and HyperStudio.

SH-010 The Manager (Introductory Price!) $49.95
SQ-008 Switch-It! $59.95
Ile/Ili Programming

8/16-Central

8/16-Central, our publication for Apple II programmers, was published monthly from March 1990 to October 1991. ES-FS All back issues (20 disks at $3.95 each) $79.00

Technical references

DA-041 Apple: Classic Apple Technical Notes (10/92) $20.00
Apple II-Plus
GS-022 Sather: Understanding the Apple II (8/92) $14.95
Apple Ile
GS-003 Sather: Understanding the Apple Ile (8/92) $14.95
Apple IIe Tech Ref $24.95
Apple Ile
DA-007 Apple: Apple Ile Tech Ref 2nd Ed (1989) APDA $30.00
DA-006 Apple: Apple IIe Memory Card Reference APDA $15.00
HS-006 SIMMS Computerfacts: Ile (8/88) $9.95
Other hardware
HS-003 SIMMS Computerfacts: Disk II (8/88) $24.95
HS-002 SIMMS Computerfacts: Miscellaneous (10/92) $10.00
DA-009 Apple: Apple Memory Card (Slink) Ref APDA $15.00
DA-010 Apple: Apple SCSI Card Reference APDA $15.00
DA-011 Apple: Video Overlay Card Developers Kit APDA $19.00
DA-012 Apple: Apple IIe AppleShare Prot Guide APDA $50.00

Applesoft

Books
AW-010 Apple: Applesoft Tutorial (w/disk) $29.95
AW-021 Apple: Applesoft Programmer's Reference $22.95
AW-040 Crichtfader/Dyer: Bit of Applesoft (9/90) $9.95
AW-039 Myers: Graphics for the Apple II (9/90) $9.95
CS-008 Compute II's Second Book of Apple (3/92) $14.95
Tools
MD-001 MD-Basic (5/90) $79.95
MD-004 MotechWorks v3.0 / OMM (11/91) $59.95
SB-002 Beagle Compiler (Applesoft compiler) (1/90) $59.00
BB-003 Program Winter (Applesoft program editor) (1/80) $37.50
GS-002 Basic Help (Online Reference & Help) (7/91) $25.95
DA-100 Apple: Apple Filecard Toolkit APDA $15.00
Pascal
DA-024 Apple: Apple II Pascal v1.3 APDA $69.00
DA-022 Pascal Lab-Pak (10.3 disks, no docs) APDA $69.00
AW-037 Sitter/Weiss: Pascal for Basic Programmers (9/90) $12.95
DA-044 Apple: Pascal Technical Notes (10/92) $4.00
DA-003 Apple: Apple II Pascal Desktop Toolkit APDA $30.00
DA-001 Apple: Apple Filecard Toolkit APDA $19.00
Other languages
MS-002 Mical Advanced BASIC for Ile/Ili (1/90) $80.00
DA-004 Apple: Apple II SuperPilot APDA $69.00

Ile/Ili Programming

8/16-Central

ES-FS All back issues (20 disks at $3.95 each) $79.00

Technical manuals

GS/OS
AW-026 Little: Exploring GS/OS and ProDOS 8 $(1/89) $21.95
DS-006 disk for this book (3/89) $15.00
AW-041 Apple: Apple IIgs GS/OS Reference APDA $28.95
DA-025 Apple: GS/OS Device Driver Reference APDA $29.00
BW-012 ByteWorks: Prgms Sys 6 Ref $45.00

ProDOS 8
DA-046 Apple: Complete Set of Apple Tech. Notes (10/92) $65.00
DA-042 Apple: Apple IIgs Technical Notes (10/92) $30.00
AW-018 Apple: Technical Intro to the Apple IIgs $9.95
AW-011 Programmer's Intro to Idos $(8/89) $32.95
AW-023 Apple: Apple IIgs Hardware Reference $24.95
DA-014 Human Interface Guidelines $14.95

Toolbox manuals
CB-005 Gokin/Davis: Mastering the Idos Toolbox (8/88) $19.95
CB-007 Gokin/Davis: Adv Prog Tech Idos Toolbox (8/88) $19.95
AW-019 Apple: Idos Toolbox Reference, Vol 1 APDA $26.95
AW-006 Apple: Apple IIgs Toolbox Reference, Vol 2 $26.95
AW-014 Apple: Idos Toolbox Reference, Vol 3 $29.95
BW-012 ByteWorks: Programmers Ref for Sys 6 $45.00

High-level language tools

HyperTalk (see MultiMedia) $29.95
Pascal
BW-001 ORCA Pascal Compiler for Idos $(11/90) $90.00
BW-002 Learn to Program in Pascal $(11/90) $50.00
BW-011 Toolbox Programming in Pascal (7/92) $75.00
BW-017 Apple: MPW II Pascal V.1.0.1 APDA $175.00
Basic
BW-003 ORCA/C Compiler for Idos $(11/90) $90.00
BW-004 Learn to Program in C $(11/90) $50.00
BW-013 Toolbox Programming in C $(7/92) $75.00
BW-017 Apple: MPW II Pascal V.1.0.1 APDA $150.00

Assembly language tools

CB-002 Wagner: Idos Machine Langm for Beginners $(8/88) $19.95
DS-005 disk for this book (3/92) $15.95
Assemblers & Disassemblers
BW-002 Merlin 8/16 (DOS 3.3, ProDOS 8, GS/OS) $(1/90) $99.00
BW-005 ORCA/Assembly v2.0 $(11/90) $90.00
BW-008 Merlin to Orca Source Converter $(11/90) $18.00
BW-007 ORCA Disassembler $(11/90) $30.00

Debuggers
BW-001 ORCA Debugger $(7/92) $39.95
BW-015 Apple: BS Bug and Other Debugging Tools APDA $30.00
BW-002 ProDev 65816 Debugger for Idos (3/91) $189.00

Univers e development tools

LF-001 Foundation (Resource Creator/Editor) $(3/93) $99.95
SS-007 Geneve (Resource Creator/Editor) $(6/93) $99.95
BW-006 Design Master (Resource Creator) $(11/90) $57.00
BW-009 Talking Tools (text to speech pkg) $(9/91) $49.95
BW-020 Apple: Idos Source Code Sampler APDA $20.00
SS-009 Edit-16 APW/ORCA/Merlin editor $(3/93) $94.95

MPW Cross-Development Suite
BW-019 Apple: MPW Ile II Suite V.1.3 APDA $50.00
BW-001 Apple: MPW II Programmer v1.2 APDA $100.00
BW-017 Apple: MPW II Pascal v1.0.2 APDA $150.00
BW-018 Apple: MPW II Pascal V.1.1 APDA $175.00

Binders
RC-108 3-Ring Binder $17.95

Apple II Tech Help on GEnie!
The Apple II Programmers and Developers Roundtable on GEnie is the most active spot you'll find for help with your programming problems. Meet other programmers in our bulletin boards and on line conferences! Download our developer-oriented notes and tools! Set-up: Half Duplex (local echo) 9600, 1200, or 2400 baud Dial: 1-800-638-6369 At connect, enter: HHB At the "line" enter: X317797, CENTRAL (no spaces) and press RETURN Need help? GEnie customer service (voice) 1-800-638-9630.