

Open-Apple: Vol. 4

Releasing the power to everyone.

Index to Volume 4

by Alan Womack

In the following index, a lowercase letter appears after each page number. This letter points to the column an entry appears in. For example, "47a" refers to the first column on page 47; "56c" to the third column on page 56.

All page numbers in *Open-Apple's* fourth volume begin with a 4, as in "4.33." To save space, the initial "4" was dropped from the page numbers in this index.

& (see ampersand)

A

A2-Central 84b, 90c-91a
A/UX 19b
A+ (magazine) see (magazines; A+)
AC/BASIC see (languages; BASIC; AC/BASIC)
accounting software 2b-3a
ACOT 43b
addresses
49164 (\$C00C) 3b 40 columns on 80 columns off
49165 (\$C00D) 3b 80 columns on 40 columns off
49185 (\$C021) 3a Apple IIgs Monochrome/Color reg
49193 (\$C029) 3a, 63a Apple IIgs Video control reg
49232 (\$C050) 3b graphics display select on
49239 (\$C057) 3b graphics hi-res select on
49246 (\$C05E) 3b, 47a, 62c graphics double select on
49247 (\$C05F) 3b graphics standard select on
Advanced Disk Utilities 77b, 85a-86c
A4 paper 61b
Agat 91c
Ampersoft see (languages)
APDA 3b, 15a, 9a
sell out 85a
technical notes 59c
updates 75a-75b
APA Manuscript Manager 66b-67a
APP-Stat 30b
Apple Assembly Lines 38b, 65a
Apple Color 64K Extended Memory card 3a
Apple Computer Inc
APDA acquisition 85a
child care 27b
commitment to Apple II 73a
see also (Yocam, Del)
consumer relations 57a
dealer policy 57a, 62a
death threats of II 33a
education purchase policy 89a
education pursuit 51a-51b
clone encroachment 53b
faults 52a-52b
federal government sales 3b
jobs available 79b
price cuts 27b, 73a
price increases 74a
restructuring 51b, 67a
sales and marketing 27b-28a
technical support 57a
trademark policy 3b, 90c-91a
virus hunting 57b-58a
Apple File Exchange 87a-87b
Apple Human Interface Guidelines see (books)
Apple LaserWriter see (printers; LaserWriter)
Apple ProDOS see (books)
Apple Programmer's Introduction to the Apple IIgs
see (books)
Apple Programmer's and Developer's Association
see (APDA)
Apple Programmer's Workshop see (languages)
Apple SANE 9a-9b
Apple Technical Support 57a
Apple III Business Basic 9a
Apple 3.5 Drive Owner's Guide see (books)

Apple II direction 41a-44
see also (Apple Computer Inc)
See also (Yocam, Del)
Apple II SCSI Card Technical Reference Manual
see (books)
Apple IIc
books see (books)
bugs see (bugs/ fixes; IIc)
entry points 38b, 96a
future of 47c-48b
memory expansion see (cards; memory)
microprocessor of see (chips; 65C02)
ROMS 19a
slashed 0s 47b-47c
see also (printers)
update 73a
Apple IIc Plus 73a, 91b, 91c
Apple IIc Technical Reference Manual see (books)
Apple IIe
Apple II Workstation card see (cards; Apple II
Workstation card)
memory expansion see (cards; memory)
interrupt handling see (interrupts)
microprocessor of see (chips; 6502) see also
(chips; 65C02)
IIgs upgrade 61c
Apple IIgs
Apple II Workstation Software 17a
Applesoft see (languages; BASIC)
BASIC see (languages; BASIC)
books see books
coldstart 21a-21b
composite monitor of see (monitors; composite)
control panel
display type 3a
options 15c-16a
desk accessories 15c, 32b
KEY.FR 95c
KEYUTIL 95c
limits 45b-45c
loading 38c, 45a-45b, 72b-72c
MECC Key Caps 95c
Desk Manager 15c
Desktop program 3a, 32b
disk drive disappearance see (bugs/ fixes; Apple
IIgs)
display of 3a
see also (display)
see also (graphics)
see also (monitors)
see also (video)
dual speed keys 15c
fatal errors see (bugs/ fixes; Apple IIgs)
finder see Finder
freeze up see (bugs/ fixes; Apple IIgs)
game port strobe 23a
graphics see (graphics; Apple IIgs)
GS/OS see (GS/OS)
interrupt handling see (interrupts)
internal drive 23a-23b
memory expansion see (cards; memory expan-
sion; Apple IIgs)
see also (chips; memory expansion)
monochrome monitor see (monitors;
monochrome)
mouse woes see (bugs/ fixes; Apple IIgs)
networking see (networks)
printer drivers 38c-39a, 76b-77a
RAM disk see (RAM disks)
RAM5 see (RAM disks; RAM5)
RGB monitor of see (monitors; RGB)
registers
Monochrome/Color 3a
slots 21c, 62c, 68c-69a
system disk 21b-21c
3.2 50a-51a
see also (GS/OS)
see also (ProDOS 8)
see also (ProDOS 16)

system files 21b-21c
ProDOS 2b
technical notes see (books; technical notes)
tools 51a
upgrade from IIe 61c
Apple IIgs Firmware Reference Manual see
(books)
Apple IIgs Hardware Reference see (books)
Apple IIgs Machine Language for Beginners see
(books)
Apple IIgs Technical Note #29 see (books)
Apple IIgs Tool Box Reference, Volume 2 see
(books)
Apple University Consortium 53a
Apple User see (newsletters; Apple User)
Apple Writer 10a
Epson underlining 59b, 70b, 80a-80b
purchase 85a, 90b
Apple Fix 35a-35b
Applefest 11a, 29b
Cambridge Marketing 85a
dates 48b
pre fest report 65a
AppleLink 42b, 44b
see also (Quantum Computer Systems)
AppleSC CD 18a
AppleShare see (networks; AppleShare)
AppleWorks 28a
Aristotle 17b
File Server 2.0 17a
Print Server 17b
protocols 28a
Share-Aware 17a
AppleSoft BASIC see (languages; BASIC; Apple-
Soft)
AppleTalk see (networks; AppleTalk)
AppleWorks
@LOOKUP 60c
ADB.READER 7a-7b
A4 paper 61b
Apple IIgs version see (GSWorks)
AppleShare 28a
books see (books)
bugs see (bugs/ fixes; AppleWorks)
Clarix support see (Clarix; AppleWorks; support)
clipboard 20c, 81a-84a
clocks with see (bugs/ fixes; AppleWorks;
clocks)
continuous paper 70a-70b
copies expansion 7a
date insertion 37c
data base
conversion to see (data bases; conversion)
mail merge 7a
desk accessories
bugs see (bugs/ fixes; AppleWorks; desk
accessories)
desktop expansion 68c
DIF files 61b-61c
disassembly 38b
double blank 6a-6b
encryption 7b
enhancement discussion 6b, 6c
file number limit see (bugs/ fixes; AppleWorks)
foreign languages 47b, 71c, 80a, 87b-88a, 95a-
96a
gaps in text files see (patches; AppleWorks)
headers 7b
interface see (interfaces; AppleWorks)
keylock 93c
mail merge 20c
mousetext return symbol 60c, 68b
network version 20b
networks 17a
newsletters about see (newsletters)
numerical sort 37b
open-apple L (ayout) 69a
open-apple O (ptions) 60b
open-apple Z (oom) 60b
page print 38a
passwords 7b
pathnames 20b, 20c
patches see (patches; AppleWorks)
power use tips 94c
right justification 7b
ROMdisk 61a
security 7b
single sheet paper 70a-70b
slashed zeros 20a-20b, 29c
slot support 21c, 61a, 68c-69a
sort 37b
speed differences 6b
spreadsheet
save bug see (bugs/ fixes; AppleWorks;
spreadsheet loose)
transferring values 37b
see also (Beagle Bros; SpreadTools)
subscript printing 30c, 48b-48c
superscript printing 30c, 48b-48c
support see (Clarix; AppleWorks; support)
TimeOut see (Beagle Bros)
updates 57a
upgrades 2a
user's groups 12a, 27b
word processor
right justification 7b
AppleWorks GS 49a, 95c-96a
AppleWorks Tips and Techniques see (books)
AppleWorks User Group The 12a
Applied Engineering 3b
see also (cards; Applied Engineering)
updates see (upgrades)
App-Stat 30a-30b
APW C 3b
Aristotle 17b
ASCII 12b-13a, 31b-31c
ASCII Express 13a
auto answer see (modems; auto answer)

B

Backup II 11a, 19a, 29b
see also (bugs/ fixes; Backup II)
Bag of Tricks 2 50a
Bank Street Writer Plus 31b
BASIC.LAUNCHER 4c
Basic.system see (ProDOS 08; Basic.system)
baud see (modems)
Beagle Bros 2b
Beagle Compiler 40c, 45b, 55c-56a, 72c
Roger Wagner Toolbox routines 78a-78b
Desktools
Case Converter 83b
File Encryptor 7b, 83a
Page Preview 60a, 83a
Word Count 83b
Desktools II
DiracTree 83b
File Search 83b
FileMaster 83b
MacroTools 84a
MacroTools II 84a
MacroWorks 31c-32a
MiniPaint 84a
MiniPix 59c
PowerPack 83a-83b
ASCII Values 83b
AWP to TXT 83b
Category Search 83b
Desktop Sorter 83a-83b
File Librarian 83b
Help Screens 83b
Line Sorter 83b
Program Selector 83b
Triple Clipboard 83a
Triple Desktop 83a
Quickspell 2b, 81a-82a
SideSpread 82b

Open-Apple: Vol. 4

- SpreadTools* 82b-83a
SuperFonts 46a, 82a-82b
 fonts 64c
 foreign language printing 95b
 Print Shop graphics 22b, 59c
Thesaurus 46a, 82a
TimeOut 2b, 81a-84a
 installing 81a
TimeOut Graph 22b, 46a, 82a, 93b
TimeOut Paint 82a
Ultramacros 2b, 6b, 37c, 83b
 keylock 93c
 task file 67b
 updates see (upgrades)
Beagle Compiler see (Beagle Bros)
binary 31b-31c
binary II 1b, 13a
Binary II Library Utility 24c
Block.Warden see (ProSEL; Block.Warden)
BLU see (Binary II Library Utility)
books
 Apple Human Interface Guidelines 2b
 Apple ProDOS 90a
 Apple Programmer's Introduction to the Apple IIGS 29b
 Apple 3.5 Drive Owner's Guide 11a
 Apple II SCSI Card Technical Reference Manual 23c
 Apple IIc Technical Reference Manual 38b
 Apple IIGS Firmware Reference Manual 68b
 Apple IIGS Hardware Reference 23a
 Apple IIGS Machine Language for Beginners 51a
 Apple IIGS Tool Box Reference, Volume 2 64c
 AppleWorks Tips and Techniques 6b, 37b
 Compact Numerical Methods for Computers: Linear Algebra and Function Minimization 56c
 Commodore 64 Programmer's Reference 91c
 CP/M Bible 55a
 CP/M Handbook 55c
 Curriculum Software Guides 85a
 Exploring Apple GS/OS and ProDOS 8 90a
 Microcomputer Displays, Graphics, and Animation 92a
 Osborne/McGraw-Hill CP/M Users's Guide 55c
 ProDOS Technical Reference Manual 19a
 Programmer's Handbook of Computer Printer Commands 70c
 Programmer's Introduction to the Apple IIGS 71c
 RS-232 Solution 39c
 Sybox Computer Blue Book 79b
 Technical Introduction to the Apple IIGS 23a
 technical notes
 Apple IIGS Technical Note #27 24c
 Apple IIGS Technical Note #29 3b
 Misc. Technical Note #10 96b
 obtaining 59c
 Technology Planning Guide 85b
 Understanding the Apple IIe 69b
 UniDisk 3.5 Owner's Manual 11a
booting 78b-78c
Bredon, Glen 15b
 see also (ProSel)
buffers
 printer 22a-22b
 see also (cards; Orange Micro)
 see also (cards; printer)
bugs/fixes
 ADB.READER 7a-7b
 apple keys 37a-37b
 Apple IIc ROMS 19a
 Apple IIGS
 freeze up 46c-47a
 fatal errors 47a, 61c-62a
 disk drive disappearance 49b
 game port strobe 23a
 graphic upset 32a-32b, 93b
 mouse 61c
 RAM card 49b
 Unclaimed Sound Interrupt 61c-62a
 Apple Writer 59b, 70b, 80a-80b
 AppleWorks
 ADB.READER 7a-7b
 clipboard 37b
 clocks 16a, 21c
 control@ 29c
 database
 report formats 7a, 16b-16c, 36c
 loose 7a, 16b-16c, 36c
 desk accessories 21c
 file number limit 6c-7a, 32c
 graphic upset on IIGS 32a-32b
 mail merge 20c
 margins 60a-60c
 pathnames 20b
 75-file bug 6c-7a, 32c
 64-file bug 32c
 slashed zeros 20a-20b
 slot woes 21c, 61a, 68c-69a
 spreadsheet loose 36c
 standard values 37a
 Basic System
 Chain 16c, 24c, 29b
 control-s pause 51a
 directory entries 51a
 directory length 65a-66a
 Store 16c, 24c, 29b
 Backup II 11a, 19a
 C.M.S.
 hard disks 3b
 SCSI card 23b-23c, 29b
 display IIGS 21c
 FID 19a
 Finder 51a
 GS/OS
 delete 89b-90a
 modems
 auto answer 19b
 printers
 paper slipping 16c, 20b, 31a
 spurious character 59a-59b
 TYMAC printer card 92a
 ProDOS 8
 capacity 51a
 crash track zero 2b
 date stopping 2a-2b
 delete 89b-90a
 interrupts 51a
 time stopping 2a-2b
 track zero crash 2b
 RamFactor 21c
 SCSI card 18a-18b
 partitioning software see (partitioning)
 System Utilities 40b
 TYMAC printer card 92a
 video commands 38b-38c
 virus cure
 CyberAIDS 50a, 57b-58a
 Festering Hate 57b-58a
bulletin boards
 general discussion 25a
 GBBS Pro 29a
 GENie 1a-2a, 12a, 19b
 use of 25a-27b
 see also (roundtables)
 Prime 29a
 ProLine 24c, 29a
 ProTree 24c, 29a
 Let's Talk 29a
BusinessWorks 2b
Byte Works (The) 9a, 15a-15b
 languages 54b-54c
C
C (APW) 3b
cables
 AppleTalk see (AppleTalk)
 modem see (modems)
 printer see (printer)
 RGB see (monitors; RGB)
 SCSI see (SCSI)
cad/cam software 30b-30c, 47c
CADApple 30c
CADDRAW 30c, 47c
Call A.P.P.L.E. see (magazines; Call A.P.P.L.E.)
Cambridge Marketing 85a
Cat Doctor see (ProSel, Cat.Doctor)
cards
 accelerator 47c
 Apple Color 64K Extended Memory card 3a
 Apple Parallel 39b
 Apple II Workstation card 17a
 AppleTalk 11a-12a, 17a
 Applied Engineering
 PC Transporter 3b
 RamFactor 68c
 RamKeeper 94a-94c
 RamWorks 68c
 ZRAM 54c, 68c
 Checkmate Technologies
 RamKeeper 94a-94c
 MultiRam 68c
 Cirtech Limited 94a-94c
 GS-2 21b, 94a
 GS-8 21b, 94a
 PR-1 93c
 StatDisk 93c, 94a-94b
 CP/AM 55a
 CP/M 55a-55c
 interface
 AppleTalk 11a-12a
 modem 14b
 printer
 Apple Parallel card 24b, 92a
 AppleTalk 11a-12a
 Grappler C/Mac/GS 10b-11a, 22c, 48b-48c
 PrintMax 24b
 Orange Micro see (cards; Orange Micro)
 TYMAC 92a
 MCT Speed Demon 47c
 memory expansion, Apple
 Apple Color 64K Extended Memory card 3a
 Apple Memory Expansion 68c,
 Apple IIc 68c
 Apple IIc-Plus 68c, 85a
 Apple IIGS 21a-21b
 MIDI 11a
 Orange Micro
 buffers 22a-22b, 58c
 upgrade 68b
 C/Mac/GS 30c-31a, 48b-48c
 ImageWriter 22a-22b
 RamPack 11a
 PC Transporter 3b
 printer see (cards; interface; printer)
 RAM
 Apple 49b, 68a
 RamPack 11a
 SCSI
 bugs/fixes see (bugs/fixes; SCSI)
 interfacing 46b-46c, 85a-86c
 manufacturers 86a
 partitioning see (partitioning)
 revision C 18a-18b, 29b, 85a-86c
 serial 14b
 resetting 59a
 video 35b-36a
 work station see (cards; Apple II Workstation)
 CD-Rom 11a, 17a-18b
 Central Point Software 79b
 see also (Copy II Plus)
 Chameleon 40b-40c
 Checkmate Technologies
 updates see (upgrades)
 Chinook Technologies 36a, 46c
 chips
 accelerator
 Rocket 47c
 Zip 47c
 Mega II 41a
 microprocessors
 6502 15a, 41a
 6510 91c
 65c02 15a, 33a, 48b
 65c265 33a-34a
 65c802 23c, 33a, 48b
 65c816 15a-15c, 23c, 33a, 42a
 65c832 33a-34a
 68000 41b
 RAM 18b-19a, 45c-46c
 CAS 49b-50a
 compatibility 49b-50a
 dynamic 94b
 4-meg 87a
 NEC 49b
 RAS 49b-50a
 static 94b
 RISC 33b, 53a
 Rocket 47c
 video
 Apple IIGS 46c-47a
 character set 69b-69c
 Zip 47c
 rebooting with 62b
Chooser.II 11b
Claris
 Apple II commitment 74b
 AppleWorks see also (AppleWorks)
 acknowledgement of 18a
 phone numbers 10a
 support 2a, 10a, 18a
 technical support 10a
 upgrades 2a, 74b
 AppleWorks GS see (AppleWorks GS)
 Styleware buy out 49a
C.M.S. 3b, 11a
 hard disks 46b-46c
 SCSI card 23b-23c, 46b-46c
COBOL see (languages; COBOL)
compact disk 18a-18b
 formats 18a-18b
 High Sierra 18a, 76a, 76b
 composite monitor see (monitors; composite)
 CompuServe 12b
 Computer Friends 94a
 ComputerFacts 40b
 Computist 23a
 communications see (bulletin boards)
 communications software see (modems)
 CommWorks 13a
 copy protection 4b, 23a
 Copy II Plus 7a
 archive ability 31b, 36a
 compatibility 22b
 duplicate pathname 8b
 Corvus 28a
 CP/AM 55a
 CP/M 31b, 55c
 cards see (cards; CP/M)
 languages 54c, 55a-55c
 operating system 55a-55c
 telecommunications 39c-40a
 CP/M Bible see (books)
CP/M Handbook see (books)
CP/M Times 58b
Cray Research 33b, 42a
Cross-Works 87b
Curriculum Software Guides see (books)
CyberAIDS 50a, 57b-58a
D
data bases
 AppleWorks see (AppleWorks; data base)
 conversion 19b
 DB Master Version Five 6a
 DB Master Version Five Professional 6a
 Data Disk International 28b
 data encryption 7b, 7c
 data format 14b
 Data Spec 28a
 Davka Corporation 95c
 Day, Chet 26a
 Deluxe Paint II 24c
 desk accessories
 Apple IIGS see (Apple IIGS; desk accessories)
 MouseDesk 32b
 desktop program 3a
 desktop publishing
 newsletters
 Desktop Publishing Newsletter 3b
 programs
 Graphic Edge 22c
 Printrix 10a, 19a
 Publish It! 9b-10a, 22c, 30a
 fonts 64c
 future 87a
 quality of 22a, 22b
 Desktop Publishing Newsletter see (newsletters)
 Diconix battery powered printer 5b
 DIF files see (files)
 see also (files; conversion)
 discoverCAD 30c
 disk drives
 Apple 3.5" see also (disk drives; UniDisk 3.5")
 Disappearing on IIGS 49b
 interleave 77a-77b, 92a-92b
 Apple 5.25
 write protect 78c-79a
 hard disk see (hard disks)
 interference 64a
 interleave factors 77a-77b, 92a-92b
 internal 23a-23b
 Rana 40b, 63a-63b
 reversing rotation of 7b
 UniDisk 3.5 4b see also (disk drives; Apple 3.5)
 DOS 3.3 with 38b
 information 59c-60a, 68b
 interleave 77a-77b, 92a-92b
 modifying to Apple 3.5" drive 92c-93a
 technical notes 59c-60a, 68b
 write protect 11a
 write protection 78c-79a
 diskettes
 drives see (disk drives)
 file limits 93a-93b
 formatting under basic 56c
 recovery 6a, 36c
 write protect 11a, 78c-79a
 display
 color warping 3b
 composite 3a
 composite monitor see (monitors; monochrome)
 control panel option of IIGS 3a
 monitors see (monitors)
 monochrome 3a
 monochrome monitor see (monitors; monochrome)
 RGB 3a, 3b
 RGB monitor see (monitors; RGB)
Diversi-Tune 45b-46a
Doms, Dennis 4a
DOS 3.3
 Blyte) parameter 69c
 CAT command 69c
 MAXFILES 19a
 RESUME 69c
 3.5 disk support 38b
DOS.Master 38b
DOSTalk Scrapbook Program Disk 8c
double hi-res graphics see (graphics; hi-res; double)
drivers
 disk drives 76b-77a
 FST see (GS/OS)
 printer 38c-39b, 76b-77a
 duplex 14b
 Dwyer, Sally 4a
E
Eamon 63b-63c
Ellis Computing 54c, 55a
emulation (terminal) 13a

Epic Technologies 64a
Epson 11a, 22c
EuroWorks 80a, 88a-88b, 95a-96a
evangelism groups 18b
exec 4c-5a
Exploring Apple GS/OS and ProDOS 8 see (books)
exponents 23b, 56b

F

Fastdata Pro 28b, 58b-58c
Festering Hate 57b-58a
FID 19a
 see also (bugs/ fixes; FID)
file system translators see (GS/OS; FST)
file server 17a
files
 binary 31b-31c
 conversion 39c-40b
 service for 87a
 System Utilities bug see (bugs/ fixes; System Utilities)
DIF 61b-61c
I/O ERROR 69c
record length 64b
recovering 70a
 see also (diskettes; recovery)
disk limit 93a-93b
Finder 4a-5a, 91a-91b
cluttered opening 24a
crash fix 51a
enhancements 79a
file type 21a
GS/OS 77a
icons 4b, 93a
launching applications 4c-5a
preferences 24a
RAM 5a
Special Menu 24a
update see (upgrades)
Fitzgerald, 15b
Floating Point Engine The 44b-45b
foreign languages 47b, 71c, 80a, 87b-88a, 95a-96a
folders 17a
 see also (ProDOS; subdirectories)
fonts 64c, 76b

G

Gassee, Jean-Louis 51a, 52b, 67a
General Electric 1a
GENIE see (bulletin boards; GENIE)
GET_FILE_INFO 88b
GraphMerge 22c
Graphic Edge 22c
graphics
 Apple IIGs 24c, 32a-32b, 93b
 AppleWorks 22b-22c
 cards see (cards; video)
 composite 3a
 file formats 24c
 genlock 56c
 graphing 93a-93b
 hi-res
 double 3a-3b
 information 91c-92a
 monochrome 3a
 paint formats 24c
 RGB 3a
 software 22b-22c
 video cards see (cards; video)
 video tape labeling 56c
Grappier C/Mac/GS see (cards; interface; printer;
 Grappier C/Mac/GS)
GS Basic 8c
GS/OS
 Advanced Disk Utilities 77b
 FST 76a-76b
 Installer 77b
 scripts 77a-79b
 introduction 73a, 74b, 75b-78b
 RESET 88c, 90a-90b
 system disk concept 76b
 thermometer 93b
 versions screen 85c, 93b
GS16Forth see (languages; Forth)
GSWorks 46b
government sales of Apples to 3b
Gutenberg 59a

H

Hai Labs 15b, 54c
hard disks
 Apple SC40 11a
 Apple IIc 48b, 54a
 see also (hard disks; Chinook Technologies)
backing up 11a
Bernoulli 54a
building 86b
Chinook Technologies 36a, 85a-85b

IIc 73b, 86c-87a
C.M.S. 3b, 11a, 23b-23c, 85b
formatting 85a-86c, 90a-90b
partitioning see (partitioning)
pricing 53b-53c, 71a-71b
ProApp 48b, 54a
SCSI 3b, 46b-46c
 see also (cards; SCSI)
 Sider 20a
Hardcore Computist see (Computist)
Hayes 13b
Hayward, Lee 12a
Henson, Keith 34a
High Sierra see (compact disks; High Sierra)
HodgePodge 71c
Human Systems Dynamics 21a
Hyper.FORMAT 12a
HyperCard 10b, 18a
 IIGs 51a, 75a
HyperStudio 75a

I

I/O ERROR 69c
IBM
 education pursuit 51a-51b
 PC 3b, 5b
 peripheral pricing 53b-53c, 71a-71b
icons 4c, 93a
Icon.Editor 4c, 93a
Iconix 64b
icons 4b-4c
 editor 4c
 see also (finder)
Information Exchange The 53b
InfoWorld 1a
INSTALLDA 38c
interface cards
 see (cards; interface)
interfaces
 Apple Human Interface Guidelines 2b
 AppleWorks 2b
 cursor point-and-select 2b
 desktop 2b
 Macintosh 2b
interference 64a
ImageWriter II see (printers; ImageWriter II)

J

Jameco Electronics 23c
Jem Software 29c, 84a
Johnson Associates 28a

K

Kay, Alan 79a
Kelly, Steve 4a
Kermit 30c
Kinko's Academic Courseware Exchange 21a
Kula Software 36a-36b

L

languages
 AC/BASIC see (languages; BASIC; AC/BASIC)
 Ampersoft 56c
 assembly 54b-54c
 Apple Programmer's Workshop 54b-54c
 LISA 54b-54c
 LISA816 15b, 54c
 Merlin Pro 54b-54c
 ORCA/M 54b-54c
 S-C Assembler 15b, 54b-54c
BASIC
 AC/BASIC 9a-9b
 Applesoft 23b
 assembly run 69c-70a
 Beagle Compiler see (Beagle Bros)
 disk free space 88b
 entry of programs 78c
 floating point math 44b-45b, 55c-56a
 formatting under 56c
 graphics IIGs 64b
 initializing 56b
 sounds IIGs 64b
 space saving 56b
 BASIC (Pecan) 72a
 GS BASIC 8c, 9a, 91b
 Micol Advanced Basic 74b-75a
 Micol Basic 9a
 Nevada Basic 55a
 ORCA/Basic 9a, 54b-54c
 TML Basic 9a, 54c
 ZBasic 8b-8c, 9a, 32b-32c
C
 Apprentice C 54c
 APW 3b
 Aztech C65-c 68a-68b
 Aztech C65-d 54c
 C Prime 54c

Mix Software C 55b-55c
COBOL
 Microsoft COBOL 54c
 Nevada 54c, 55a-55b
CP/M 54c, 55a-55c
Forth
 GS16FORTH 54a-54b
Fortran
 Fortran 77 (Pecan) 72a
 Nevada Fortran 55a-55b
GS Basic see (languages; BASIC; GS BASIC)
GS16FORTH see (languages; Forth;
 GS16FORTH)
Logo 92b-92c
 Life 92b
 Phantom Fish Tank 92b
Macintosh Programmer's Workshop 54b-54c
Modula-2 72a
Pascal
 Apple Pascal 54b-54c, 58a
 Nevada Pascal 55a
 ORCA/Pascal 54b-54c
 TML Pascal 54c
 Turbo 55b
 USCD 55b, 72a
Pilot
 Nevada Pilot 55a
ZBasic see (languages; BASIC; ZBasic)
Lambert, Ross 28b
Laser 128EX 48a
LaserWriter see (printers; LaserWriter)
Late Nite Patches 57b, 84a
LAUNCHER.SYSTEM 65a
LCSI 92b-92c
Legos 92c
Life 92b
LISA (assembler) see (languages; assembly)
Lisa (computer) 41b
Lisa816 see (languages; assembly)
Little, Gary 1b, 28a
Living Legends 12a
Logo see (languages; Logo)
LogoWriter 92b-92c
Loren, Allan Z. 51b
Lotus Inc. 55a
Lutus, Paul 10b

M

MacInker 94a
Macintosh
 BASIC for 9a
 beginnings of 41b
 file serving 17a
 HyperCard 10b, 18a, 75a
 interface 2b see also (interfaces)
 MicroSoft BASIC 9a
 MultiFinder 18a
MacroMate 75a
 macros 13a-13b
 MacroMate 75a
 see also (Beagle Bros; MacroWorks)
magazines
 A+ 10a-10b, 28a
 Apple User 32c, 65a, 93c
 Call A.P.P.L.E. 30b, 47c, 56a
 Computer Shopper 55b, 86b
 Consumer Reports 72c
 InCider 92a
 indexes 36a-36b
 InfoWorld 1a
 Nibble, 4a
 Pom's 96a
 Sky and Telescope 36a
 Softalk 92a
 Wall Street Journal 2a
magnets 3b
Manx 54c-55a
Master CDA 45c
MATC-CAD 30c
math
 Applesoft see (languages; basic; Applesoft)
 coprocessors see (chips; math coprocessors)
Manzanita Software 2b
MAXFILES see (DOS 3.3; MAXFILES)
MCT Speeddemon 47c
MECC Calendar Crafter 95c
MECC Key Caps 95c
Mega II see (chips; Mega II)
MegaBoard 53b, 71a-71b
megahertz 33a
memes 34a-34b
memory expansion see (cards; memory expansion)
Mensch, William 15b, 33a-34a, 42a
Merlin assembler 15b, 15c
 8/16 48b
 updates 51a
MGA MicroSystems 36b
Micol Advanced Basic see (languages; BASIC)
Micol Basic see (languages; BASIC)
Micol Systems 9a, 74b-75a

Microcomputer Displays, Graphics, and Animation
 see (books)
MicroModem II 13b
MicroProcessors Unlimited 18b
MicroSoft Basic 9a
Microsoft-Works 49a
MicroSparc 56c
MIDI
 cards (see cards; MIDI)
 Diversi-Tune 45b-46a
 IIGs tools 51a
MiniPaint see (Beagle Bros)
Mix Software 55b
MLI see (ProDOS 8; MLI)
modem 12a-14b
 AT command set 14a, 19b
 auto answer 19b
 baud 14a
 bulletin boards see (bulletin boards)
 cables 39c, 58b, 70c-71a
 connection to 14b
 CP/M 39c
 external 14a
 GENIE see (GENIE)
 Hayes compatible 13b-14a
 internal 14a
 international use 63c-64a
 ProCom 5b
 serial interface 14a
 software 12a-14b, 26a, 30c
 telecommunications see (telecommunications)
monitors
 composite 3a
 Apple IIGs 3a
 monochrome 3a
 Apple IIGs 3a
 RCA jacks 3a
 RGB 3a
 Apple IIc 31a
 Apple IIGs 3a, 31a
 cables 79b
 color warping 3b
 composite 31c
 protocols see (protocols and standards; RGB)
 standards see (protocols and standards; RGB)
monochrome monitor see (monitors; monochrome)
MouseTalk 13a
MouseWrite 22a
MS-DOS 5b
MultiFinder 18a
MultiScribe see (Styleware; Multiscribe)

N

NEC 49b
networks see also (AppleShare)
 AppleShare 17a-18a
 AppleWorks 28a
 Aristotle 17b
 File Server 2.0 17a
 Print Server 17b
 ProDOS 8 compatibility 80b
 protocols 28a
 Share-Aware 17a
 AppleTalk 11a-12a, 17a-18a, 28a
 connectors 28a
 IIGs workstation 52b-53a
 Orminet 28a
 Sider hard disks 28a
 Usenet 63c
newsletters
 Apple Direct 89a
 Apple Viewpoint 67a
 Desktop Publishing Newsletter 3b
 Reboot 28b
 Works The 28b
 ZBasic 32c
NH Analytical Software 21a
Nibble see (magazines; Nibble)
Nifty List 45b
NTSC see (video)
Nuclear Decisions 28b
Nuclear Decisions II: 1980-1988 28b

O

object module format 15c
on-line networks 1a-2a
Open-Apple
 A2-Central 84b, 90c-91a
 changes 3b-4a, 84b
 corrections 4a, 29a, 45a-45b, 64b, 68a, 85a
 country designations 80c
 GENIE 48c
 expansion of 4a, 84b
 personnel of 4a
 subscription increase 4a
 Orange Micro see (cards; Orange Micro)
ORCA 15a-15c
ORCA Basic see (languages; BASIC; Orca BASIC)
Osborne/McGraw-Hill *CP/M Users's Guide* see

Open-Apple: Vol. 4

- (books)
Owl International 10b
Oz DOS 38b
- ### P
- P8CDA 38c, 45a
Paintworks 24c
PAL see (video)
parallel processing 33a, 42a
parity 14b
partitioning 11a, 18a-18b
 Advanced Disk Utility 77b, 85a-86c
 SCSI 23b-23c, 29a
Pascal 13b
 speed loading 31b
patches see also (bugs; fixes)
 Apple Writer 80b
 AppleWorks
 bypass startup 68c
 control-@ 29c
 cursor image 68b
 copy machine 7a, 79b, 85a
 cosmetics 61b
 desktop left 95a
 file changes 95a
 file number limit 32c, 45a
 gap patch 60c-61a, 87b
 mouse/text return find 60c, 68b
 overstrike startup 15c, 19a
 ROM disk 79b-79c
 slashed zero 29c
 slot support 61a, 68c-69a
 Swedish patch 69b
 type control disable/disabler 19a, 29a, 37a
 vertical lines 69b
 Basic.system see also (bugs/fixes)
 display aux/typo 93a
 DOS 3.3 CAT command 69c
 80 column boot 56a-56b
 RANA drives 63b
 SuperCalc IIgs 63c
 PatchMania 29c, 84b
 updates see (upgrades)
 PathFinder 30a, 84a
 updates see (upgrades)
PC Transporter see (cards; PC Transporter)
Phantom Fish Tank 92b
phones see (telecommunications)
pick/store 96a-96c
Pinpoint
 GraphMerge 22c
 Graphic Edge 22c
Point-to-Point 13a
Pom's 96a
Power of Nation States 28b
PostScript 9b-10a
Prairie Power battery pack 5b
printers
 Apple Dot Matrix 39b
 battery powered 5b
 buffers 22a-22b
 care of 16c, 20b, 31a, 70a-70b
 cables 70c-71a
 color 8a
 drivers see (drivers; printer)
 Diconix 5b
 Epson 11a
 Apple Writer 59b, 70b, 80a-80b
 Apple IIgs support 38c-39a
 LQ series 22c, 38c-39a
 foreign language wheels 69b-69c
 interfaces
 see (cards; interface; printer)
 ImageWriter II
 A4 paper 61b
 Apple IIgs support 38c-39a
 AppleTalk connection 11a-11b
 control-@ 16a, 29c
 driver 51a
 foreign languages see (AppleWorks; foreign languages)
 paper-sensor 31a
 pastel colors 8a
 print width 71a
 zero slashing 16a, 29c
 ImageWriter LQ
 color printing 93c-94a
 driver 51a
 LaserWriter 9b-10a
 driver IIgs 51a
 on-line? 24a-24b
 paper slipping 16c, 20b, 31a
 platen cleaning 16c, 20b, 31a
 scanning device 59c
 Printrix see (desktop publishing; programs; Printrix)
 ProApp 48b
 ProCMD 56c
ProDOS 8 see also (ProDOS 16)
 AppleTalk support 11b
 Basic.system
- 80 column boot 38a, 56a-56b
formatting disks 56c
version 1.2 65a-66a
binary II support 1b, 13a
Bird's Better Bye 8a-8b
booting 78b-78c
BYE 8a
CHAIN see also (bugs/fixes; Basic System)
crashes of see (bugs/fixes; ProDOS 8)
date stopping 2a-2b
FLUSH 23b
formatting 56c
MLI 64c, 80b
partitioning see partitioning
RANA drives 63b
record length 64b
STORE see also (bugs/fixes; Basic System)
subdirectories 17a, 31c
time stopping 2a-2b
quit routine 8a-8b, 79c-80a
zero page use 70a
ProDOS 16 see also (ProDOS 8)
 Applesoft support 39b
 AppleTalk support 11b
 binary II support 1b, 13a
 booting 78b-78c
 executing files 39b
 partitioning see (partitioning)
 QUIT code 79c-80a
 subdirectories 17a, 31c
 ProDOS Technical Reference Manual 19a
 Programmer's Handbook of Computer Printer Commands see (books)
 Programmer's Introduction to the Apple IIgs programs see (books)
 Get Time call 7c-8a, 23b
 IIgs Color Killer 63a
 ProLine Bulletin Board System see (bulletin boards)
 ProPacker 40a-40b
 ProTerm 32b
 ProTree Bulletin Board System see (bulletin boards)
ProSEL
 Back up utility 29b
 Block.Warden 7a
 Cat.Doctor 24c, 29a, 69a
 Find.File 29a
 Mr.Fixit 50a
 Scavenge 69a
ProScript 30a
ProTerm 13a
protocols and standards
 AppleTalk 11b
 AT command set 14a
 character set 71c
 character tables 69b
 RGB 3a
 Hayes 14a
 slots 11b, 62c
 telecommunications 13a
 xmodem 13a
Publish It! see (desktop publishing; programs; *Publish It!*)
publishing programs see (desktop publishing; programs)
Pypelyne 92a
- ### Q
- Quantum Computer Systems 1a, 42b, 44b
Quark Technologies 48b
Quickspell 2b
- ### R
- RAM chips see (chips; RAM)
RAM disks
 copying to/ from 31b, 36a, 40b
 RAM5 5a, 21a-21b
 rescue of 40c
 sizing 47a-47b, 62a-62b
RAM5 see (RAM disks; RAM5)
Rana drives see (disk drives; Rana)
RAW.APPLE 12a
RCA jacks
 video 3a
Reboot (newsletter) see (newsletters; *Reboot*)
reboot (computer) 62
Redshift Limited 35b-35a
registers
 Apple IIgs
 Monochrome/Color register 3a
 Video control register 3a
RESET 88c, 90a-90b
RESUME 69c
RGB monitors see (monitors; RGB)
RISC see (chips; RISC)
Rocket chip see (chips; Rocket)
Roger, Coats 5b
Roger Wagner Publishing 45b, 51a, 54c
- Beagle Compiler* tool box routines 78a-78b
ROM
 disks 61a
 roundtables 1a-1b, 19b
 A2 26a
 A2Pro 26a
 use 25b-27b
 RS-232 Solution see (books)
- ### S
- Sander-Cederlof, Bob 15b
Sandys, Peter 51b-52b
SANE 9a-9b
SC Assembler see (languages; assembly)
SC Software 15b, 54b-54c
screen holes 40c
SCSI
 card see (cards; SCSI)
 commands 86c
 compact disks 18a-18b
 device limit 71a
 formatting 85a-86c, 90a-90b
 hard disks see (hard disks; SCSI)
 partitioning see (partitioning)
 security 7b, 7c
 Szetela, David 18b
 share-aware see (AppleShare; share-aware)
 shareware 13b
 Shem the Penman's Guide to Creative Writing, Reasoning, and Programming 66a-66b
Sider see (hard disks; Sider)
Sideways 22c
Sky and Telescope see (magazines; *Sky and Telescope*)
slots
 Apple IIgs see (Apple IIgs; slots)
 AppleWorks support see (bugs/fixes; AppleWorks)
SmartPort 49b, 62c, 86b-86c
So What Software 64b
SoftDisk 23b
SoftSpoken Co. 87b
SoftSwitch 75a, 94c
softswitches 3a, 24b, 47a, 62c-63a
 see also (addresses)
Softer 2 13a
Software Arts 55a
Software Publishers Association 12a
software virus 34b-35b
 CyberAIDS 50a
 Festering Hate 57b-58a
Sonix 64b
Soviet Union 91c
SPA see (Software Publisher's Association)
Spite Software 58a
standards, see (protocols and standards)
Stat Talk 21a
Stat Talk Computer Products 21a
Statcalc 21a
Statistical Processing System 21a
statistical software 20c-21a, 30a-30b, 40c, 56c
Statistix 21a
Stats-Plus 21a
StatSoft 21a
store/pick 96a-96c
Styleware 21c, 46b, 49a
 Multiscribe 22a, 49a, 71c, 95a
 TopDraw 71c-72a
subdirectories
 deleting 70a
 recovery 50a
 see also (diskettes; recovery)
subscription 4a
Sun Remarketing 85a, 90b
SuperCalc 3A 63c
SuperFonts see (Beagle Bros; *SuperFonts*)
Sybox Computer Blue Book see (books)
system files
 see (GS/OS)
 see (ProDOS 8)
 see (ProDOS 16)
- Terrapin 92b-92c
text files 4c-5a
Texwipe 31a
time getting 7c-8a, 23b
Time Is Money 2b
TimeOut see (Beagle Bros; *Ultramacros*)
Timeworks 9b
TML Basic see (languages; BASIC; *TML Basic*)
TML Pascal see (languages; BASIC; *TML Pascal*)
TML Systems 9a, 54c
TOTENT 66a, 88b
TTY 12b
Turning Point Software 2b
Tutor-Tech 10b
Two Apples 45c
Tymnet 12b
- ### U
- Ultramacros* see (Beagle Bros; *Ultramacros*)
Understanding the Apple IIe see (books)
UniDisk 3.5" see (disk drives; UniDisk 3.5")
UniDisk 3.5 Owner's Manual 11a
Unix 19b
updates see (upgrades)
upgrades
 APDA 75a-75b
 AppleWorks 2a, 57a
 Applied Engineering
 AW 2 Expander 57b, 68a
 Beagle Bros 57b, 68a
 Checkmate Technologies
 MultiRam 57b, 68a
 CMS 3b
 Finder 76a, 77a
 Jem Software 68a
 Late Nite Patches 57b
 PatchMania 57b
 PathFinder 57b
 Merlin 51b
 Pinpoint 57b, 68a
 Usenet see (networks; Usenet)
- ### V
- Vanderpool, Tom 4a
video
 bleed 47a-47b, 62c-63a
 cards see (cards; video)
 chip see (chips; video)
 commands 38b-38c
 NTSC 80c
 PAL 80c, 88c
 ROM 69b-69c
 tape labeling 56c
viruses 34a-35b
 CyberAIDS 50a
 Festering Hate 57b-58a
 VIRUS SCANNER 58a
VisiFile 61b-61c
Visicalc Advanced Version 54c-55a, 61c
- ### W
- Wagner, Roger 15b
Wall Street Journal 2a
Walt Disney Card and Party Shop 12a
warranty 53c
Washington Apple Pi 85a
Westerfield, Mike 15b
Western Design Center 15b, 23c, 33a-34a
White, Dr. Steve 21a
Word Perfect 22a
Wordbench 66b-67a
WordStar 55b, 55c
Works The see (newsletters; *Works The*)
write protect 11a
- ### X
- xmodem 13a
- ### Y
- Yocam, Del 41a-44a, 51b, 67a
 resignation notice 73a
- ### Z
- ZBasic see (languages; BASIC; *ZBasic*)
Zedcor 9a
Zephyr Services 21a
zero page 70a
Zip chip see (chips; Zip)
ZStat 21a