

Open-Apple: Vol. 3

Releasing the power to everyone.

Index to Volume 3

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* third volume begin with a 3, as in "3.44." To save space, the initial "3" was dropped from the page numbers in this index.

& (see ampersand)

A

A+ communications software reviewed 8c
accelerator cards, see (cards; accelerators)
accounting software 51b-c
ACOT, see Apple Classroom of Tomorrow 58a
Addison-Wesley 17a, 30c
addresses
 (0024) 67b horizontal cursor
 (0028-29) 67b address of text line in memory
 (0036-37) 67b output hook
 (0038-39) 67b input hook
 (004E-4F) 67b random number seed
00078 (004E) 20c random number seed
00079 (004F) 20c random number seed
 (07F8) 67b expansion card with \$C800 banked in
47426 (B942) 5a, 5b RWTS error modification
49189 (C025) 1b modifier-key status register
49249 (C061) 1a Open-apple key press
49250 (C062) 1a Closed-apple key press
49251 (C063) 1a shift-key modification
53247 (CFFF) 65a slot \$C800 memory off
63078 (F666) 27b Integer BASIC mini-assembler entry point
64661 (FC95) 31a II+ entry point to clear current screen line
64668 (FC9C) 31a clear from cursor to end of line
65385 (FF69) 25a Monitor entry point (-151)
65392 (FF70) 53c Lam entry point (-144)
Advanced Firmware Protocol 65a-68b
 see also (cards; Super Serial Card)
Advanced Interface 65a-68b, 75b, 92a-94b
 see also (cards; Super Serial Card)
air mail woops 12b
Amiga 18a
ampersand
 routines under
 Su2.Obj work alike 43b
 TERC 51c
 Toolbox Series 88b
 word processor 46a
 zero page protocol 85a-b
APDA 31b
 product availability update 80c
 standards conference at AppleFest 58a
Apple Assembly Line 49b, 91b, 96b
Apple Canada 70c-71a
Apple Classroom of Tomorrow 58a
Apple Computer Inc.
 announcements 1a, 37a-c
 AppleFest 73a
 AppleWorks support 73a-b
 color schemes of 1a
 educational marketing 84a-b, 89b
 job at 79a
 marketing strategy of 74a, 84a-b, 89b
 Open-Apple's influence 49a
 software subsidiary of 37a-b, 41a
 Claris 49a, 90a
 super-computer of 2b
Apple France 95a
Apple ProDOS: Advanced Features for Programmers 6b, 17a, 52b
Apple Programmer's Workshop 40b
Apple SCSI card 57a
Apple III 8c, 94b
Apple IIc

books, see (books)
bugs, see (bugs/fixes; IIc)
memory expansion, see (cards; memory)
memory register 28a
microprocessor of, see (chips; 65C02, 65C02)
revisions 94b
serial ports 65a-68b, 75a-79b, 96c
 see also (cards; Super Serial Card)
Smartport 94b
updates 94b
Apple IIc Technical Notes 94b
Apple IIc Technical Reference Manual 31a
Apple IIe
 memory expansion, see (cards; memory)
 interrupt handling, see (interrupts)
 microprocessor of, see (chips; 65C02, 65C02)
 new version 1a-b
 power supply of 45b-46a
Apple IIgs
 Applesoft expansion 71b
 AppleWorks
 non-expanding of 86a
 ASCII dump 4a
 BASIC 80b-c
 books, see books
 buffering 78b
 buying 46c-47a
 clock driver for ProDOS 1.1.1 21c
 device mapping 19a-b
 disassembler 3c, 4a
 disk II adapter cables 2a
 fitness 40b-c
 frigid reboot 48c, 53c 80a-b, 83a-b
 identification 48c, 60c-61a
 interrupt handling, see (interrupts)
 keyboard 24a
 Logo enhancement for 70c
 memory expansion, see (cards; Apple IIgs; memory expansion)
 see also (chips; memory expansion)
 memory management 23a
 allocation of 47a-48c, 61a, 61c-62b
 memory register 28a
 microprocessor of (see chips) 65B16
 misconceptions 64c, 71b
 modifier-key status register 1a-b
 Monitor, see Monitor (system)
 reboot 48c, 52a, 53c 80a-b, 83a-b
 registers 26a-29a
 ROM 1.1 upgrade 57a, 67a
 Canada 70c-71a
 SCSI controller compatibility 2a
 serial ports 65a-68b, 75a-79b
 see also (cards; Super Serial Card)
 slot double usage 53c
 Smartport 2a, 96b
 special memory 62b
 speed control switch 23b
 system disk V3.1 90a-92a
 system utilities 6b-c, 42a
 terminal mode 78b
 tool box calls 21c-22b, 23a, 47b
 DeleteID 47b
 DisposAll 48b
 MMShutDown 47a-b
 MMStartUp 47a-b
 TLShutDown 62b, 69b-c
 memory allocation 47a-48c, 61a, 61c-62b
 monitor (system) 29b
 TLShutDown 62b, 69b-c
 VGC upgrade 57a
Apple IIgs BASIC 80b-c
Apple IIgs Book 7a
Apple IIgs Debugger 80c
Apple IIgs Firmware Reference Manual 71b, 80c
Apple IIgs System Disk V3.1 80c
Apple IIgs Technical Reference 51a
Apple IIgs Toolbox Reference Manual 80c
Apple II BASIC Programming Manual 50c
Apple II+
 AppleWorks 85b-c
 microprocessor of, see (chips; 65C02, 65C02)

shift-key modification 1a, 85b-c
Apple II+//IIe Troubleshooting & Repair Guide 79a
Apple II Apple Pascal Operating System Reference Manual 68a
Apple II Reference Manual 20c
Apple II SCSI Card Technical Reference Manual 57a
Apple Writer
 code of 70b
 editing text files
 future of 37b
 LaserWriter 71a
 patches, see (patches; Apple Writer)
 peek 2b
 RAMdisk patch 30a-b
 screen holes 16c
 Super Serial Card 16c
 telecommunications option 8c
Apple's Human Interface Guidelines for the Apple II 90b
AppleFest 49a, 57b, 73a
AppleLink 2a
Applesoft BASIC
 Apple IIc version 27a (see also V1.40-1.44)
 snapshot of 27b
 Apple IIgs version 27a, 71b
 bugs, see (bugs/fixes; Applesoft Basic)
 buffers 11a
 compilers, see compilers
 cursor flickering 23b
 double low-res graphics 27a
 enhancements 51c
 expanding 80b
 functions 11a
 LOMEM: 11a
 machine language use of 20c
 programs, see programs
 scrambled programs 5c
 TAB 78b
AppleTalk 68b, 71a, 71b
 cables 91a
 initialization 91a, 91b
AppleVision 40c
AppleWorks
 Apple's support of 73b
 see also (AppleWorks; Claris support of)
Apple II+ 85b-c
BBS 55a-b
carriage return inserting 20b-c
Claris support of 90a
currency symbol 39b
cursor blink rates 63a
custom printer definitions 86c-87a
data base
 category pointers 10a
 date limitations 19b-c, 32c
 file structure 9b-12b
 date structure 10b
 time structure 10b
 header 9b-10a, 11b
 phone dialer 18c-19b
 reading from BASIC 9a-12b, 43b
 speed differences 20b, 63b-c, 95b
 sorting 19c
 writing from BASIC 33a-38b
date format 39b
desktop expansion 56b-c, 85b, 86a
DIF files 9a
embedding escape codes 4a-5a
enhancements 44a-c, 49a, 56b-c
F(ind) 34a
French version 38c
footer processing 39b
future of 37b
German version 38b-c
header processing 39b
Hebrew version 38c
IF command 39b
Italian version 38c
loading non-ASCII files 55b-c, 72b
L(ayout) 33a
mail merge 32c
operating system as 74b, 84b-c

patches, see (patches; AppleWorks)
pathname changing 43b
phone dialer 18c-19b, 32c, 54b
printers
 custom definitions of 86c-87a
 embedding codes 4a-5a
 proportional printing 87a
 RAMdisks and 32a
 R(record select) 34a
 recovering damaged files 54c-55c
 16 bit version 83b-84c, 95b-c
 Spanish version 38c
 spreadsheet
 IF-command 39b, 56a
 lookup tables 56b
 zero suppression 39b
 system platform 74b, 84b-c
 speech recognition 13a
 speed differences 20b
 spreadsheet bugs, see (bugs/fixes; AppleWorks; spreadsheet)
 templates 12b
 IIgs peculiarities, see (bugs/fixes; AppleWorks; IIgs)
 update 17b
 version 1.3 86a
 version 2.0 9a, 17a
 changes 20a-c
 word processor file format 55a-b
Applied Engineering 15c-16a, 57b
AppleWorks enhancements 44c-45a, 56b, 85b
 cards of, see (cards; "specific name of")
 disk drive woos 56a
 heavy duty power supply 45c
APW 80c
APW C 80c
artificial intelligence 30c
ASCII characters 25b-26a
ASCII Express, the Professional 8c, 18a, 42b
Assembly Cookbook for the Apple II/IIe 21a
Assembly Language for the Applesoft Programmer 20c
assembly language
 books, see (books)
 learning 50c-51a
asynchronous 69b
AT&T's Reach Out America rates 43a
Atari ST 16a
Australia 31c-32a
AutoWorks 9a, 44c
auxiliary bank, see (memory; auxiliary bank)

B

B-Sider, see (hard disks; B-Sider), see also (hard disks; backing up)
Back to Basics 15c
backup bit 96b
Basham, Bill 30a, 48c, 53c 80a, 83a
BASIC, see (languages)
 see also (AppleSoft)
BASIC Firmware Protocol 65b
BASIC LAUNCHER 91a
BASIC.SYSTEM
 CHAIN 87b-88a
 commands from Monitor (system) 29b
 errors, see (errors)
 launcher 91a
 operating system as 84c
 ProDOS Inside and Out 2b-3a
 System BitMap 53a
batteries 38a-b
baud 78a
BCD 82b
Beagle Bros
 address change 94b
 Beagle Compiler 1b-2a, 9b, 46a, 80b, 88a-c
 aux-slot memory use 86b
 Bulletin Board 94b
 Double-Take 7b
 GPLe 7b, 15a-b
 NO BUFFERS AVAILABLE 7b, 23c, 24b
 merger with Software Touch 49a
 ProByte 39a

2 Open-Apple: Vol. 3

- Super MacroWorks 18c, 32c, 44c
Triple Dump 41b
Beagle Compiler 1b-2a, 9b, 46a, 80b, 88a-c
aux-slot memory use 86b
bugs, see bugsfixes Beagle Compiler
benchmarks 82b
Beneath Apple DOS 5b
Beneath Apple ProDOS 6a, 6b
binary coded decimal, see (BCD)
BINARY II 17a-b
Blankenship and Associates 88b
books
Apple ProDOS: Advanced Features for Programmers 6b, 17a, 52b
Assembly Lines: The Book 51a
Apple II BASIC Programming Manual 50c
Apple II Apple Pascal Operating System Reference Manual 68a
Apple II Reference Manual 20c
Apple II SCSI Card Technical Reference Manual 57a
Apple IIc Technical Notes 94b
Apple IIc Technical Reference Manual 31a
Apple IIgs Book 7a
Apple IIgs Firmware Reference Manual 71b, 80c
Apple IIgs Technical Reference 51a
Apple IIgs Toolbox Reference 80c
Apple II/III Troubleshooting & Repair Guide 79a
Apple Writer Cookbook 31b
Apple's Human Interface Guidelines for the Apple II 90b
Artificial Intelligence 30c
Assembly Cookbook for the Apple III/IIe 21a
Beneath Apple DOS 5b
Beneath Apple ProDOS 6a, 6b
Call A.P.P.L.E. in Depth #1: All About Applesoft 20c
Computer Power and Human Reason 30c
Database: A Primer 33a
dBASE III Library 63c
DOSTalk Scrapbook 6a, 70a, 70b
Enhancing Your Apple II, Vol 1 70b
Exploring the Apple IIgs 17a
Godel, Escher, Bach 30c
ImageWriter User's Manual 71b
ImageWriter II Owner's Manual 71b
Inside the Apple IIc 17a, 69b
Inside the Apple IIe 17a
LISP 30c
ProDOS Inside and Out 2b-3a
ProDOS Technical Reference Manual 52b, 85a, 96b
ProDOS 16 Reference Manual 80c
Programmer's Aid #1 Installation and Operation Manual 50c
Programmer's Introduction to the Apple IIgs 80c
Radio Frequency Interference 79a
Technical Introduction to the Apple IIgs 80c
technical notes 30a-b
Understanding the Apple II 39c
Understanding the Apple IIe 39c, 63a
What's Where in the Apple 85b
boolean 81b
Brady Books 17a, 39c
Brantot, Randy 43b
BRK break instruction 25a, 26b
BTE Computers 45c
bugsfixes
Advanced Firmware Interface 65a-68b, 75b, 92a-94b
AppleSoft: BASIC
double low-res graphics 27a
PLOT 27a
SCRN 27a
AppleWorks
Applied Engineering's expansion software 44c, 56b
data base 87b, 96a-b
date 19b
file patch 69a
memory hogging 45a-b
page numbering 87b
patches, see (patches; AppleWorks)
report formats 19b, 45a
SoftSwitch support 42a
spreadsheet 19c
subdirectories 45a
3.5" saving 45a
IIgs
ID bug 86a-b
non-expansion defleater 86a
shadowing 86a
Apple Writer
directories 39a
IIgs 2b
RAMdisks 30b
Applied Engineering disk drives 56a
Beagle Compiler 9b, 16a, 46a
character corruption caused by INVERSE 22b
crashing into Monitor 25b
directory sorters 6c
disk disappearance 54b, 61a-c
double low-res graphics 27a
DuoDisk compatibility on IIgs 2a
EXEC 54c
Filer 72a
interrupts 12a, 18a-c, 54a
INVERSE flag 22b
Lam routine 53c
MicoI BASIC 16a
Monitor
Apple IIgs P(attern command) 27a
ASCII entry mode 27b
crashing into 25b
P(attern) 26b
Open-Apple, see (Open-Apple; corrections)
power problems 37c-38b, 44b, 45b-46c
printer selection 92b
ProDOS 8
branching problem 12a
interrupts 12a, 18a-c
purging IIgs memory 61a
RAM volume 52b-c
ROMS of IIgs 57a
screen flicker 53a-c, 72c
screen waver 53b-c, 72c
SCSI hard disk controller and IIgs 2a
fix found 12b
Sider hard disk ROM 85a
slot confusions 54b
sort 46a
Smartport
IIc memory expansion 94b
program errors 3a-b
IIgs 2a, 96b
Super Serial Card 67a, 67b
see also (Advanced Firmware Interface)
System Utilities
IIgs 42a
Transwrap zapping disks 15c
IIc
memory expansion 94b
serial port 96c
see also (cards; Super Serial Card)
Smartport 94b
Super Serial Card, see (cards; Super Serial Card)
IIgs
device mapping 19a-b
DuoDisk compatibility on IIgs 2a
purging gs memory 61a
ROMS 57a
SCSI Hard Disk controller 2a
serial port, see (cards; Super Serial Card)
Smartport 2a, 96b
Super Serial Card, see (cards; Super Serial Card)
System Utilities 42a
VGC chip of IIgs 57a
buffers
defining under Applesoft 11a
bulletin boards 17a, 43a, 46a, 71b
Business Works 51c
buying an Apple 46c-47a
byte 81b
Byte 13b-c, 31a
Best of Biz: Apple 87c
Sweet-16 article 50c
C
C 80c, 82a, 82b
cables
AppleTalk 91a
disk II drives to work on IIgs 2a
null modem 8b
telephone 42b-43a, 79c-80a
twisted pair 42b, 79c-80a
CALL -A.P.P.L.E.
reference to DISK II cable ad
reference to CHAINSTORE fix 87c
reference to DOS 3.3 53c
reference to SETUPSYSTEM 91b
reference to telecommunications 8c
reference to TERC 51c
In Depth #1: All About Applesoft
Peeking at Call-A.P.P.L.E. Vol #1 50c
camp 89a
Campbell, William V. 37b
cards
accelerators
Transwrap accelerator card 44c
disk zapping 15b-c
Apple IIgs
memory expansion 21b-c, 30a, 44a-b
AST Sprintdisk 24c
BASIC entry point 65b
communications 8b
Grappier-Plus 76b
language 25a, 26b
Legend 85c
memory expansion
Apple's 4a, 44a
AST Sprintdisk 24c
Legend 85c
RAMFactor 24c, 44a, 85b
Saturn 85c
IIgs, see (cards; Apple IIgs; memory expansion)
MultiRAM CX 15c, 38b-c, 44a
Parallel Printer Interface 65b
PC Transporter 57a-b
printer
control codes 54c, 60a-b
standards 65a-68b, 75a-79b
Super Serial Card, see (cards; Super Serial Card)
RAMFactor 24c, 44a, 85b
Saturn 85c
SCSI compatibility problem 2a
fix found 12a
ASCII entry mode 27b
standards for 65a-68b
Super Serial Card 8b, 14b-c
advanced interface 65a-68b, 75b, 92a-94b, 96c
BASIC interface 65b, 96c
baud 78a
break 78b
command character 76a
command strings 75b
communications mode 75a
control entry point 68a-b
data format 78a
documentation of 66a
dip switches 75a
entry points 67a-b
error codes 68a
handshaking 78a-b
identification of 66b-67a
initialization characteristics 76a
interface of 65a-68b, 75b, 92a-94b, 96c
interrupt bug 67b
interrupt entry point 68b
line width 77a-b
linefeeds 65c-66a, 76b
memory usage of 67b
parity 69b, 78a
Pascal 1.1 interface 65a-68b, 75b, 92a-94b, 96c
printer mode 75a
RESET handling 76a-b
screen echo 77a-78a
screen holes of 16c
TAB 78b
terminal mode 78b
IIc equivalent 75a
IIgs equivalent 75a
IIgs use of 70b-c
ZAP handling 76b
Transwrap accelerator card 44c
disk zapping 15b-c
cassette port 40b
CATDOCTOR 6c
catalog sorters, see directory sorters
Catalyst 3.0 4a
Cauzin Softstrip 40b
CD-ROM 40c
Central Point Software
Copy II Plus 7a, 16a, 39a
Universal Disk Controller 44b, 50a
CGL Microsystems 6b
CHAINing 87b-88a
charts and tables, see tables and charts
Checkmate Technology 15c-16a, 38b-c
European distributor 38c
Memory Saver 58a
chips
buying 30a
8086 13b, 46b
EPROM 7c-8b
memory expansion
Apple IIgs 21b-c, 30a
microprocessors, see (chips; 'specific type')
NEC V30 57b
new versions in Apple IIe 1a
RAM
compatibility with Apple II expansion cards 21b-c, 30a
new arrangement in Apple IIe 1a
SIMS 51b
ROM
new arrangement in Apple IIe 1a
6502 26a, 46b
68000 13c, 46b
65816 13b-c, 46b
instructions, see 2.49a-2.56b
upgrades 57a
VGC 57a
Claris 49a, 90a
see also (Apple Computer, Inc.; software subsidiary of)
clear key 1a
CLIPBOARD 91b
clones 64a-b
Commodore 64 18a, 40b
communications 8b-c, 17a-b
compilers
Beagle Compiler, see Beagle Compiler
ProDOS 1b-2a, 9b
COMPUTE! 13b
Computer Radio 79b
Computer Shopper 31a-b, 85b
Computist 5b
continuous forms 12a
conversions
files
Apple II and Macintosh 20b, 90b
BINARY II 17b
DOS 3.3 to ProDOS 72a
Macintosh and Apple II 20b, 90b
ProDOS to DOS 3.3 72a
Convert 7a, 71c-72a
Copy II Plus, see Central Point Software (Copy II Plus)
copy-programs 6b-c
copy-protection 5b, 50a-b
IIgs programs 41a-42a, 62b-c, 50a-b
Corona hard disks 46c
Corvus 7a-b
Cray super-computer 2b
Cray Seymour 2b
Creative Computing 30c, 31a
C-Vue LCD screen 32b
D
DAC Easy Accounting 51c
Dark Star 39c, 40b
DASH Accounting Accounts Payable 51b
data analysis 49b
data bases
AppleWorks, see AppleWorks (data base)
DB Master 42b
educational 58b-59a
foreign keys 34a
foreign table 34a
keys 33a-b
JOIN 34a
NARROW 34b
primary key 33a-b
primary table 34a
PROJECT 34a
relational 33a, 63b-c
RESTRICT 34a
SELECT 34a
structure 33a-35b
VIEW 35a
WIDE 34b
data bits (serial) 69a-b, 78a
data format 78a
Data Transforms 59b-61b, 69a
Database: A Primer 33a
date getting from Pascal 21a
Date, C.J. 33a-35a
DB connectors 23a
dBASE III Library 63c
data carrier detect (DCD) 78a
Delete/D 47b
Deluxe Paint IIgs 50a-b
desk accessory 16b, 25b, 32c
Apple IIgs 42a, 48b-c, 91b
Pinpoint 44c
desk top bus 24c
desktop interface 51a, 51b, 90a
Developer's Disk #1 52a
Diablo 71a
DIF files
AppleWorks 9a
Multiplan 15a, 71a
SuperCalc 15a, 71a
DIP switches 14a, 75a
directory sorters 6c
disassemblers 3c, 70a
disassembling 70a-b
disk drives
Applied Engineering 56a
cable for Apple IIgs Smartport 54a
DuoDisk compatibility on IIgs 2a
3.5 6b-c, 44b
compatibility 50a-b
DOS 3.3 53c
ejecting 21b
DisposAll 48b
DiversiCache 30a, 46c
DiversiCopy 6c
Diversi-DOS 83b
Diversified Software 6c, 25b, 30a
DiversiHack 25b, 30a
DiversiKey 30a
Doms, Dennis 2b-3a, 80a-83b
DOS 3.3
converting files, see (conversions; file)
directory sorters, see directory sorters
disk recovery POKEs 5a
MS-DOS version 50a
RWTS 5a-b, 6a, 70b
3.5 disks, see (disk drives; 3.5; DOS 3.3)
DOSTalk Scrapbook 6a, 70a, 70b
double-hi-res graphics 41b, 71c
double-low-res graphics 27a
Double-Take 7b
data set ready (DSR) 78a
data terminal ready (DTR) 78a
duplex 77b-78a
Dwyer, Sally 3b
E
echo (screen) 77a-78a
educational software 58a-b
80 column firmware
ASCII commands 31a
entry points 31a
windowing 51c-52a
ejecting 3.5 disks, see (disk drives; 3.5; ejecting)
Electronic Arts 50a-b
Enhancing Your Apple II, Vol 1 70b
EMI 79a
END OF DATA error 52b
EPROM
burner 8a
chips, see chips (EPROM)
errors
END OF DATA 52b

NO BUFFERS AVAILABLE 7b, 23c, 24b
 bitmap 53a
 OUT OF MEMORY 15b
 SYNTAX ERROR 54c
 escape codes
 embedding
 AppleWorks 4a-5a
 EXECing files
 bug 54c
 communications 17a
 PASCAL 5c-6a, 31c
 Exploring the Apple IIgs 17a
 ExtraWorks Printer Utility 87a

F

fans 63a-b
 FID 3a, 7a
 EXEC file control of 23b-c
 file card interface 51a, 51b
 file conversions, see (conversions; files)
 Fier 71c-72a
 Finder 91a, 91b-92a
 Fingertips
 complaints about 23a
 telecommunications option 8c
 Fire Organ 40c
 firmware
 books, see (books)
 eighty column 70a
 printer, see (cards; printer)
 Super Serial Card, see (cards; Super Serial Card)
 version numbers 69c
 FISHEAD, see FID
 flickering cursor 23b
 Fontrix user group 21b
 fonts 91b
 FOR NEXT loops 15b, 46a, 82a
 foreign keys, see data bases (foreign keys)
 forms 12a
 Franklin Computers 15c
 frequency control 38a, 38b
 frigid reboot 48c, 53c 80a-b, 83a-b
 full-duplex 77b-78a
 functions 11a
 Future Astronaut Training Program 89a

G

Gassee, Jean-Louis 84a, 94a-b, 95a
 genealogy 18b
 General Manager 5b-c
 GET loops 15b
 GetModeBits 68b
 GetNewID 47b
 GOTO 81a
 GPLE 7b, 15a-b
 NO BUFFERS AVAILABLE 7b, 23c
 graphics
 converting 71c
 double low-res, see double low-res graphics
 software
 Graphics Magician 18a-b
 SHRCConvert 71c
 Graphics Magician 18a-b
 graphics software, see graphics (software)
 Grappler-Plus 76b
 GS Paint 95a
 GS Write 95a
 Gutenberg 86b-c

H

half-duplex 77b-78a
 handles 47c
 hard disks
 B-Sider 7a-c
 backing up 7a-b
 bugs, see bugs/fixes
 Corona 46c
 ProFile 18a
 Rana 46c
 Sider 6c-7a, 44b, 85a
 SCSI compatibility on IIgs 2a
 fix found 12a
 hardware
 connectors 23a
 DISK II ground 39c-40a
 inverting screen 39c
 MouseText character generator 7c-8b
 RGB monitor pin outs 2a, 13c
 RGB monitors and cards in Europe 39a, 40b
 shift-key modification 1a
 Hayes Micromodem 43a, 43b
 Hayes Smartcom 18c
 Hayes Smartmodem 18a
 hexadecimal 65a
 hi-res-graphics 41b
 softswitches of 52a
 HyperCard 83c, 85a

I

IBM
 clones 64a-b

Graphics Magician support 18a
 IBM-PC processor speeds 13b
 IBM-PC RT 13b
 interfacing with 8b-c
 icons 91a, 91b
 ImageWriter, see (printers; ImageWriter)
 ImageWriter User's Manual 71b
 ImageWriter II Owner's Manual 71b
 IN# 70a
 inCider
 communications software reviewed 8c
 index of **Open-Apple** 3a, 43b
 INPUT.PRINT.GET 43b
 Inside the Apple IIc 17a, 69b
 Inside the Apple IIe 17a
 Instant Pascal 30b
 int 81b
 Integer BASIC 50b-c
 interfaces
 desktop interface, see (desktop interface)
 Macintosh, see (Macintosh)
 see also (desktop interface)
 menu-driven 90a, 90b
 interference 70c, 79a-b
 international Apple 72b-c
 interrupts 12b, 18a-c, 54a
 control panel 25b
 entry point 68b
 desk accessories 25b
 device identification 68b
 DiversiHack 25b
 linear memory effect 29a
 mouse, see (mouse)
 Intravoice II 13a
 Intronics 42b

J

Jameco Electronics 46a
 JDR-Microdevices 8a, 23a, 46a
 job openings 31b, 31c
 Jobs, Steve 73b

K

Kansas Cosmosphere and Space Center 89a
 Kashmarek, Ken 41a
 KERMIT 8c
 Kersey, Bert 49a
 Key Player 44c
 keys (see data bases; keys)
 Kilobaud MicroComputing 50c
 KIX 84c
 Kula Software 43b
 Kyan Pascal 82b, 83b, 84c

L

Lam routine 53c
 Lancaster, Don 2a-b, 31a-b
 AppleTalk 91a
 Assembly Cookbook for the Apple II/IIe 21a
 Computer Shopper 71b, 91a
 help line 19b
 LaserWriter 71b, 91a
 Tinaja Quest 31a-b
 language card, see (cards; language card)
 language translation 30c
 languages
 ampersand 88b
 AppleSoft, see AppleSoft
 BASIC 81a-83b, 88a-c, see also (AppleSoft)
 Beagle Compiler, see (Beagle Compiler)
 see also (Beagle Bros)
 Blankenship Basic 88b
 Integer BASIC, see (Integer BASIC)
 Kyan Pascal 82b, 83b, 84c
 Microsoft Basic 88c
 Pascal, see Pascal
 ProBasic 88c
 PROMAL 81a-83b
 ZBasic 88c
 Laser 128 54a
 LaserWriter 20b, 71a-b, 91a
 Law Industries 46c
 Legend (expansion RAM) 85c
 Legos 43b
 line width 77a-b
 linefeeds 65b-66a, 76b
 LISA 40c, 94b
 LISP 30c
 Lissner, Robert 73a, 73b, 84b
 Little, Gary 6a, 17a
 Living Legends 6c, 18c, 31c
 LOGO 30c, 64c, 70c
 LOMEM: 11a
 Lotus 90a
 Luther, Jim 54b
 Lutulus, Paul 70b

M

Macintosh 18a, 20b, 94a
 beginning of 73b
 file conversions, see (conversions; files)

HyperCard 83c, 85a
 keyboards 24a
 support of 37b
 Macintosh II 40b-c
 macros
 AppleWorks 44c
 AutoWorks 9a, 44c
 DiversiKey 30a
 Key Player 44c
 Super MacroWorks 18c, 32c, 44c
 MacWrite 95a
 Magic Menu interface 90b
 mail merge
 AppleWorks 32c
 Manzanita 51c
 MARK 69b
 markets 37b-c
 Mashima, Kyle 90a
 mathematical formulas 54c-55b
 megahertz 13b-c
 memory

auxiliary bank (reference) 25a
 auxiliary bank usage 22b-23a, 54a
 banks 26a
 examining, see (Monitor)
 expanded memory, see (cards)
 expansion, see (cards; memory expansion)
 manager of Apple IIgs 47a-48c
 modifying (see Monitor) modifying memory
 RAM, see (chips; RAM)
 RAMdisks, see (RAMdisks)
 ROM, see (chips; ROM)
 Saver, see Memory Saver

Memory Saver 58a
 Memory Peeker 48b-c
 Mensch, William 13b
 Meyer, Peter 43b
 MDIdeas Inc
 digitizer card 51b
 history of 51a
 ESP 51b
 OctoRam 51a, 51b, 72b
 stereo card 51b

Mical BASIC 88c
 Micol Systems 88c
 Micro-The 6502/6809 Journal 50c
 Micro Processors Unlimited 30a
 Microsoft 90a
 BASIC 88c
 Multiplan 15a, 85c
 SYLK file 71a
 midi 47a, 70a, 70c
 mini assembler 22a
 Apple II (general) 27b-29b
 Apple IIgs's 27b-29b
 ASCII entry 27b-28a
 entering 27b
 hex entry 27b-28a
 Misk Disk #1 6c
 MMShutDown 47a-b
 MMStartUp 47a-b
 modems
 dialing from AppleWorks 18c-19b
 Hayes Micromodem 43a, 43b
 Hayes Smartmodem 18a
 Novation 43b

Monitor (system)
 Apple II (in general) 25a
 Apple IIgs 25a-29b
 ASCII entry modes 27a
 bugs (see bugs/fixes) Monitor
 control-F(examine) 28a
 control-R(restore) 28b
 control-T(transfer) 29b
 control-Y(user) 29b
 converting 29b
 entering 25a
 examine registers 28a
 F(ilter) 26b
 G(o) 28a
 I(nverse) 29b
 L(ist) 26a-b
 math 29b
 modifying memory 27a-b
 M(ove) 27b
 N(ormal) 29b
 P(attern) 26b-27a
 registers 28a
 R(esume) 29a
 S(earch), see searching, this topic
 searching
 Apple IIe enhanced 26b
 Apple IIgs 26b
 S(tep) 29a-b
 T(ime) 29b
 tool locator 29b
 T(race) 29a-b
 V(erify) 27a
 X(ecute) 29a
 Z(ap) 27b
 monitors (display screen)
 composite 72c
 C-Vue LCD 32b
 European use 53b-c, 72c
 RGB

alternate monitors 13c-14a, 47a
 cables 54a
 European 39c-40a
 listing of 14a
 pin outs 2a, 13c
 IIgs 2a, 13c-14a, 47a
 Moore, Robert 43b
 motherboard revisions 1a
 mouse 68a, 68b
 MouseCalc 95c
 MouseDesk 6b-c
 MouseText
 custom EPROM to allow switching 7c-8b
 MR.FIXIT 6c
 MS-DOS 3.3 50a, 57b
 MSLOT 67b
 Multiplan 15a, 85c
 MultiRAM CX, see cards (MultiRAM CX)
 MultiScribe 39c, 54c
 MultiScribe GS 95a

N

NewHandle 47b
 NewTech 53c
 Nexio Distributing 85b-c
 Nibble 8c, 52c
 Nite Owl Journal 31b
 Nite Owl Productions 2a, 31b
 Developer's Disk #1 52a
 NO BUFFERS AVAILABLE, see (errors; NO BUFFERS
 AVAILABLE)
 Nolan, Sean 91b
 Novation 43b
 Nubus 40c
 null modem 8b
 numeric keypad
 Apple IIe version 1a
 Apple IIgs version 1a
 detecting presence of 1a

O

OctoRAM, see (MDIdeas; OctoRAM)
 ONERR GOTO 52c
 On-Three 8c
Open-Apple
 adds 37c
 corrections 3a, 18a, 30a, 37a, 60a, 69a, 87c, 95c-96a
 exaggerations of 49a
 indexes of 3a, 43b, 58a
 mailing woes 12b
 remote printer 43a
 subscribers 37c
 subscription issues 3a, 3b, 35b
 volume 2 bound edition 3a
 WATS line 35b
 OpenAppleWriter 15b
 oscillator 79a
 OUT OF MEMORY error 15b
 overlays 87b-88a
 Oz-DOS 53c

P

Pandasoftware Vertragshandler 38c
 Parallel Printer Interface Card, see (cards; Parallel Printer
 Interface)
 parity 69b, 78a
 parsers 31a
 Pascal
 date 21a
 Exec files 5c-6a
 Kyan Pascal 82b, 83b, 84c
 RAMdisk
 patch 30b
 support 5c-6a, 31c
 1.0 card interface 66a
 1.1 card interface 65a-68b, 75b, 92a-94b, 96c
 Passport 90b
 patches, see also (bugs/fixes)
 Apple Writer for IIgs 2b, 31b
 Apple Writer for RAMdisks 30b
 AppleWorks
 aux-slot RAM expansion 86a, 95c-96a
 copy limit 71c, 79b-c
 currency symbol 39b
 cursor change 32b
 DON'T PASS GO for RAMdisk 32a-b
 file limit 56c, 69a
 PathFinder 43b, 95b
 RESET DON'T CRASH 32b
 IIgs deflector 86a, 95c-96a
 zero suppress 39b
 Checkmate Technology 38c
 process of 39a
 ProDOS 8 branch 12a
 ProDOS track zero 53a
 PathFinder 43b, 95b
 PC-DOS 3.3 50a
 PC Transporter 57a-b
 PEEK 9a, 9b
 Peeking at Call-A.PPL.E 50c
 Pelczarski, Mark 18b
 Penguin Software, see Polanware

4 Open-Apple: Vol. 3

- Periodical Index 43b
Personal Ancestral File 18b
PFS products, see Software Publishing Corporation 18b
PFS: Write to text file converter 54b
phone company 43a
phone dialing from AppleWorks 18c-19b, 32c
physics 18a
Pinpoint
 desk accessories 16b, 32c, 44c
 Point-To-Point telecommunications package 17a
 telecommunications option 8c
 file upgrade
PLOT 27a
PlusWorks 85c
Point-To-Point 17a
Polarware
 Assemble Lines: The Book 51a
 Comprehend 31a
 The Graphics Magician 18a-b
PQUIT 90b
PR# 70a
print heads 71b
printers
 AppleWorks, see AppleWorks
 cleaning 71b
 control problems 54c, 60a-b
 Epson 46c
 ImageWriter 4c, 4c-5a
 ImageWriter II 14a-c
 cleaning 71b
 PRINT TAB 14b
 slashing zeros 14a
 interface cards, see (cards; printer)
 screen holes 21a-b, 75a
 selected determination 92b
 serial to parallel converter 42a
 Soft-Switch 42a-b
 standards 65a-68b
 parallel to serial converter 42a
 Printographer 41b
 Printrix 59b-61b, 69a, 86b
 ProBASIC 88b-c
 ProByte 39a
ProDOS 8
 A(dress) 11b
 AppleTalk support 91b
 backup bit 96b
 BASIC.SYSTEM, see BASIC.SYSTEM
 books, see books
 booting from slot 2 6c-7a
 bugs, see bugs/fixes (ProDOS 8)
 B(yte) 11b
 Corona hard disks 46c
 clock driver for Apple IIgs 21b
 compilers, see compilers (ProDOS)
 directory confusion 39a
 directory sorters, see directory sorters
 drive assignments 54b-c
 errors, see (errors)
 initialization sequence 3c
 interrupts 12b, 18a-c
 L(ength) 11b, 37b
 Rana hard disks 46c
 SET_FILE_INFO 96b
 SETUPSYSTEM 91b
 Smartport support 3b-4a
 SoftSwitch support 42a
 SYSTEM.SETUP 91b
 technical notes 30a-b
 T(ype) 11b, 37b
 updates 2a, 12a
 volume name finding 6a
ProDOS 16
 backup bit 96b
 behavior of 42a, 90a-92a
 books, see books
 directory sorters, see directory sorters
 memory needs 4a
 PQUIT 90b
 purging patches 61a
 CLEAR_BACKUP_BIT 96b
 Smartport support 3b
 SoftSwitch support 42a
 update 2a, 92a
ProDOS 16 Reference Manual 80c
ProDOS Inside and Out 2b-3a
ProDOS Technical Reference Manual 52b, 85a, 96b
Program Writer 15b, 88b
programming 81a-83b
 languages of, see (languages)
 structured 81a-83b
Programmer's Aid #1 Installation and Operation Manual 50c
Programmer's Introduction to the Apple IIgs 80c
programs
 Apple Writer 71a
 AppleWorks ADB reader 9a-12b, 35a, 35b, 43b
 AppleWorks ADB writer 35a, 35b
 AppleWorks desktop expander 56c
 AppleWorks IIgs non-expansion defeater 86a
 bit splitter 1b
 BOOT PRODOS FROM DOS 7a
 bugs, see bugs/fixes
 CHAR BASIC 94a-b
 CHAR.FP 93b-94a
 CHAR.IO 92b-93a
 clock driver for Apple IIgs and ProDOS 1.1.1 21c
 DONT PASS GO for RAMdisk 32a-b
 interrupt disabling 18c
 modifier-key status flags 1b
 printer tab workarounds 14b, 14c
 VOLUME.FINDER 6b, 23c
POKE 9a, 9b
Postscript 71a, 71b
Power of Nation States The 58a-b
power problems 37c-38b, 44b, 45b-c
power supplies 45b-46a
PROMAL 81a-83b
ProntoDOS 70b
ProSet 6c, 91b
 BACKUP 92a
 BLOCK.WARDEN 39a, 45b, 92a
 CAT.DOCTOR 6c
 INFO.DESK 6c
 MR.FIXIT 6c, 45b
 RESTORE.SYSTEM 92a
 Scheduler 72a
 START 91b
ProSlot 8b
protocols and standards
 see (standards and protocols)
public domain programs
 Bank'N 46b
 BINARY II converters 17a-b
 DATA.SHEET 18a
 FREDwriter 46b
 Kermit 8c
 Nifty Works 46b
 Ornifile 46b
 physics 18a
 ProTree BBS 46b
 telecommunications programs 8c, 17a-b
- Q**
Quality Software 39a
 Bag of Tricks 2 39a
QUICK COPY 6b
- R**
Radio Frequency Interference 79a
Radio Shack 43a
RAM, see chips (RAM)
RAMdisks
 Apple Writer 30a
 Apple's 4a
 Applied Engineering's 15c-16a, 16c, 30b
 Checkmate's 15c-16a, 16c, 30b
 expansion software 38b-c
 corruption of 24c
 disconnecting 30a-b
 free space 52c
 finding IIgs's 3c-4a, 16b-c
 identification 52a-b, 60c
 protocols of 30a-b, 52a-b
RAMFactor, see (cards; RAMFactor)
Rana hard disks 46c
random numbers 20c
Reach Out America 43a
reboot 48c, 52a, 53c, 80a-b, 83a-b
reduced instruction set computers 13b
registers 28b, see also (Monitor (system); registers)
 Apple IIgs 28a-29a
 configuration 29a
 data bank 29a
 direct 29a
 memory 28b, 29a
 program bank 29a
 shadow 29a
 memory 28b
 relational data bases 33a
RESET.SYSTEM 18c
Reviewer's Corner 59b-61a
RFI 79a
RGB monitors, see (monitors (television); RGB)
RISC computers 13b
Roger Wagner Publishing 31c, 88b
 SoftSwitch, see (SoftSwitch)
 Trial Size Toolbox 51c
ROM, see chips (ROM)
RTS 78a
RV-Marine Battery 38b
RWTS 5a-b, 6a
- S**
Saturn 85c
Sensible Software 58a
S-C Software 85b
Science News 2b
screen echo 77a-78a
screen flicker 53a-c, 72c
screen waver 53b-c, 72c
screen holes 21a-b, 24c, 65b
 IIc serial port 75a
 screen (text)
 80 column 70a
SCRN 27a
Sculley, John 69a, 73b
- SetModeBits 68b
S(mall) C(omputer) S(ystem) I(nterface)
 Smartport eject code formats 57a
shareware 31c
Shepard, Jerry 38b
Shepard Marketing 38b
shift-key modification 1a
Shofstall, Bob 2a
SHRConvert 71c
Sider, see (hard disks; Sider)
SIMS, see (chips; RAM; SIMS)
Simonsen, Mark 49a
sinusoidal waves 2b
slots 42a-b, 65a-68b
I/O space of 65b
screen holes 65b
 3 70a, 70c
Smartport
 bugs, see (bugs/fixes; Smartport)
 cable for Disk II 54a
 corrections 3a-4a
 device list 57a
 Disk II compatibility 2a, 54a
 DuoDisk compatibility 2a
 ProDOS support 3b-4a
 SCSI format problem 57a
 IIc 94b
 IIgs 2a
 see also (bugs/fixes; Smartport; IIgs)
 version patch 69c
Snapshot 40b
Softalk 2b, 15b, 70b
 random number article 21a
 TYPE command 24b
SoftDisk 31b
Softerm 2 8c
Soft-Switch 42a-b
SoftSwitch 41a-42a
 copy-protection of 62b-c
 KeepSake 42a
 support of 42a
 softswitches 16b, 52a
 Software Arts 43a
 Software Publishing Corporation 18b, 44a
 PFS: Write to text file converter 54b
 Software Touch 15b, 49a, see also (Beagle Bros; merger of)
 sound 49b
 Sony 13c, 54a
 sorts 46a
 Southern California Research Group 8b
 SPACE (serial) 69a-b
 speech recognition 13a
 SpeedDemon 15c
 square wave 38b
 stack 15b
 standards and protocols
 ampersand routines 88b
 see also (standards and protocols; zero page usage)
 BASIC Firmware Protocol 65b
 interface cards 65a
 RAMdisk, see RAMdisks (protocols)
 zero page usage 85a-b
 start bits 69a-b
 Stats Pro 3b
 Stone Edge Technologies 42b
 StoneWare 42b
 stop bits 69b
 Stout Cables Inc. 23a
 structured programming, see (programming; structured)
 Su2.Obj 43b
 SuperCalc 3a 15a, 41b, 56b
 converting files 71a
 Super MacroWorks 18c, 32c, 44c
 Super Serial Card, see cards (Super Serial Card)
 super-computers 2b
 Sweet-16 50c
 Switch-a-Slot 8b
 SYLK file 71a
 SYNTAX.ERROR 54c
 synthesizer of IIgs 47a
 system disk V3.1 90a-92a
 System Management Associates 81a, 82b, 83b
 system Monitor, see (Monitor (system))
 SYSTEM.SETUP 91b
 System Utilities 90b-91a
- T**
T-Squared Enterprises 43b
tab 78b
tables and charts
 Advanced Firmware Device Identification Protocol 66b
 Advanced Firmware Entry Point Protocol 67a-b
 AppleWorks BBS files 55a-b
 button addresses for joystick and shift-key modification 1a
 character device list 66b
 disk recovery POKES 5a
 hi-res-graphics softswitches 52a
 memory manager ID types 47b
 Memory Status Register 28b
 modifier-key status flags 1b
 parallel firmware ID bytes 67a
 Processor Status Register 28b
 Quagmire Register 29a
 RGB pinout 2a, 13c
 serial firmware ID bytes 67a
 Smartport device list 57a
 volume finding techniques 6a
taxes 12b
teaching physics 18a
Technical Education Research Center 51c
Technical Introduction to the Apple IIgs 80c
telecommunications 8b-c, 42b-43a
telephone 42b-43a, 79c-80a
Texas Instruments 13c
text files
 communications with 17a
 editing 15a-b
 reading with GET loop 15a
TI 99/4 13c
TimeOut Series 49a, 95c
Tinaja Quest 31a-b
TLShutDown 62b, 69b-c
TKSolver 43a, 62c
TML Pascal 80c
tones 2b
tool box calls, see Apple IIgs, tool calls
T(race), see Monitor
trademarks 41a
Trail Size Tool Box, see (Roger Wagner Publishing)
Transwrap, see (cards; Transwrap)
trigonometry 82b
Triple Dump 41b
TrippLite 38a
TVI 79a
24-hour operation 39c, 40a-b
twisted pair cable 42b
II Computing 18b
- U**
Understanding the Apple II 39c
Understanding the Apple IIe 39c, 63a
UniDISK 3.5, see disk drives (3.5)
uninterruptable power supplies 44b
Universal Disk Controller 44b, 50a
Universal Technical Systems 43a
University of California (San Diego) 2b
updates
 AppleWorks 2.0 17b, 20a-c
 General Manager 5b
 Multiplan 85c-86a
 ProDOS 8 2a
 ProDOS 16 2a, 90a
 IIc 94b
 IIgs ROM upgrade 57a, 67a
 Canada 70c-71a
Uptime 31b
user groups
 Fontrix 21b
- V**
VCRs as hard disk backup device 7a-b
VGC, see (chips; VGC)
video inverting 39c
Videx 53b
VIP Professional 39c
VisiCalc 41b
VisiCorp 43a
Voice Connection The 13a-b
VP-Info 63c
- W**
Waldenbooks 94a
W*A*R Software 87b
Wagner, Roger 51a, see also (Roger Wagner Publishing)
war games 72c
Wall Street Journal 2b, 37a-b
WG Technologies 85b
What's Where in the Apple 85b
windowing 51c-52a
Winston, Patrick Henry 30c
WriteWorks 87b
word 81b
Wozniak, Steve 40a, 40b, 50c
 Parallel Printer Interface Card 65b-66a
 programming of 70b
- X**
Xerox 73b
Xon/Xoff 78b
- Z**
Z(ap) (Interface command), see (cards; Super Serial Card; Z(ap))
ZBasic 88c
Zedcor 88c
zero page 85a-b
Zip Chip 83a, 83b
zip code sorting with AppleWorks 23c
Zork 30c