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Nov 86	2.79	single-sided 3.5" disks can be used in double-sided mode Subject: tip	
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Dec 86	2.86	RamFactor Distributor/Column: Applied Engineering Subject: memory expansion Notes: with battery backup, can be used to "instantly" boot programs	rb Robert H. Holdsworth
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Jul 87	3.43	PathFinder Distributor/Column: JEM Software Subject: utility Notes: access subdirectories from within AppleWorks System: AppleWorks Price: \$20	Brandt, Randy
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Aug 87	3.49	Beagle Bros / Software Touch Distributor/Column: Beagle Bros Subject: company / merger Notes: Simonson buys both companies Alan Bird, Bert and Sharon Kersey	Mark Simonsen
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Aug 87	3.54	No Negative EXEC Distributor/Column: Ask Uncle DOS Subject: bug Notes: Negative numbers can be READ, but not EXECd into an INPUT statement	Michael Wertheim

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Sep 87	3.63	Thinking about databases Key Terms: relational, benchmark Subject: data management Notes: version 1.3 better than 2.0 sometimes, VP-Info useful System: AppleWorks, VP-Info	Robert Ericson

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Apr 88	4.23	SCSI share, 65802 / SCSI from scratch Subject: hardware Notes: CMS card allows sharing of hard disk / 65802 has command set of 65816 partitioning a SCSI hard drive into two ProDOS volumes	Richard Cheng / Larry Beyer
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Jul 88	4.46	Frozen GS Video / Fatal System Error 911 on GS Subject: hardware problems	
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Jul 88	4.48	Open-Apple vs. GEnie Subject: communications service Notes: no, it's a win-win situation	
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Aug 88	4.54	GS16Forth / 6502 assemblers, Apple Pascal, COBOL, C compilers Subject: language Notes: the four primary assemblers are Merlin Pro, LISA, ORCA/M, S-C Assembler Apprentice C, patch for VisiCalc Advanced? / Beagle Compiler (4.55)	
Aug 88	4.55	Cheap Languages Distributor/Column: Ellis Computing / Borland / Mix Subject: language Notes: Nevada FORTRAN, Nevada COBOL, Turbo Pascal, Mix C (4.58:Spite Software, Central Computer Products, Publish It!) System: CP/M Price: under \$50	by Michael J. Paris
Aug 88	4.56	80-column startup / Initialize Applesoft before using it Subject: tip Notes: Exponential squeezing (to save space), no genlock, from from ProDOS with ProCMD, Statistics, part IV (Ampersoft)	Robert Brady
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Sep 88	4.58	Orange Micro's Support (defective buffer?) / Subject: support / printing problems Notes: Gutenberg leaves printer in unusual state / unwanted first character squashed lines / Apple Writer downhill print problem	
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Sep 88	4.64	obtaining file record length Subject: tip Notes: new MLI command for AppleTalk lets you access your own custom code	Douglas E. Milton
Sep 88	4.64	fonts interchangeable between Publish It!, ProDOS 16, and Superfonts Subject: graphics / publishing Notes: change file type to \$F7 for Publish It!	William H. Olson
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Oct 88	4.66	Wordbench (note the small "b") Distributor/Column: Addison-Wesley Key Terms: bibliography tool, print manager, folder manager, brainstormer Subject: writing environment Notes: integrates a word processor with a database system oriented around 'notes', outlining software, spelling checker and thesaurus, Price: \$149	Franklin Smith, Bank Street
Oct 88	4.67	Apple Viewpoints Distributor/Column: Apple Subject: newsletter, miserable little Notes: Sculley seems intent on keeping Apple flexible	
Oct 88	4.67	BIG.DUMMY / StatDisk (from CIRTECH) Subject: utility / memory card Notes: keep AppleWorks from occupying all of the memory on StatDisk save a dummy file, then run a macro to start AppleWorks and delete dummy	
Oct 88	4.68	AppleWorks and bent arrows Subject: tip	John Link, Thomas Militello
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Oct 88	4.71	SCSI device limit / Megaboard Subject: hardware / hard disk	
Oct 88	4.71	French Accents on ImageWriter / Accessing High-ASCII characters Key Terms: HodgePodge Subject: tip Notes: Pecan's Power System (Pascal, Modula-2, FORTRAN-77, BASIC compilers)	Stephen Harker
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Nov 88	4.79	AppleWorks 2.1 copy machine (4.85) / Run AppleWorks from ROMdisk Subject: tip Notes: EuroWorks (type accented French, German, Italian, Spanish with AppleWorks) (4.88) System:	Mark Munz / Alan Bird
Nov 88	4.80	Australian "states" / no Apple PAL in Australia Key Terms: NTSC Subject: hardware	John D. Smyth

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Dec 88	4.84	Open-Apple becomes A2-Central Subject: newsletter Notes: consolidating and archiving your "openings" in a central exchange	
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Dec 88	4.85	SCSI hard disks and the Apple II Subject: hard disk Notes: the same SCSI hard drive will work on a Mac, MS-DOS machine, or Apple II Chinook IIc hard drive (5.30)	
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Dec 88	4.87	Foreign Accents, cont. / EuroWorks Key Terms: custom printer setups Subject: international Notes: using foreign language characters in AppleWorks on a GS	Michael L. Janosek
Dec 88	4.88	AppleWorks fine print / Basic.system TOTENT changed for AppleShare Subject: tip Notes: finding free blocks on /RAM	
Dec 88	4.88	Reset and GS/OS Subject: technical Notes: control-reset does a warm-boot (intolerable, need an effective way of interrupting a program in a development environment)	Mike Westerfield
Jan 89	4.89	Apple II resale program / Educator Buy program changed Distributor/Column: Apple Subject: education Notes: open to full-time education majors and faculty System: GS	
Jan 89	4.89	Apple Direct Distributor/Column: Apple Key Terms: AppleShare, DOS 3.3 Subject: magazine / support Notes: Apple II not gone, but forgotten survey: 17% Apple II developers, of which 30% are Apple II-only	
Jan 89	4.89	I/O Error while deleting under ProDOS 8, 16, or GS/OS Key Terms: big trouble, index-block reversal Subject: bug Notes: if you try to delete a second time, you'll have prepared your disk for a slow but sure destruction file by file	
Jan 89	4.90	Exploring Apple GS/OS and ProDOS 8 Distributor/Column: Addison-Wesley Subject: book Notes: follow-up to Apple ProDOS: Advanced Features (now out of print)	Little, Gary B.
Jan 89	4.90	low-level format of SCSI hard disks Subject: technique Notes: changing the SmartPort identification program into a SCSI hard disk formatter	

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Jan 89	4.92	rendering a UniDisk 3.5 "dumb" / icon editors: DICED, TIE Subject: tip Notes: patch to display AUX type of all files, plotting stocks graphically, 3.5" disk "full" (use subdirectories) / ProSel, SuperCalc, and GS/OS	
Jan 89	4.93	AppleWorks press and release commands / Cirtech cards Subject: tip Notes: ImageWriter LQ ribbon utilization (5.15), MacInker / StatDisk questions running AppleWorks and a ProDOS 16 application with SoftSwitch	
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Jan 89	4.96	PICK and STORE characters from/to the 80-column screen Key Terms: GetChar Subject: utility	Doms, Dennis
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Feb 89	5.06	Apple II is worse than crabgrass, Apple II continues popular in sch Distributor/Column: Miscellanea Subject: news Notes: current ROM for SCSI card required for GS/OS / Publish It 2 / GS/OS booting, inactivate Finder's clicking for UniDisk (5.12)	
Feb 89	5.07	Programming the Apple IIGs in Assembly Language Distributor/Column: Brady / Addison-Wesley Subject: book Notes: Using AppleWorks GS A2-Central Developer Conference	Eyes and Lichty / Doug Brow
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Mar 89	5.12	Apple IIGS becoming too sophisticated and complicated for programme Hannelore S. Maddox Subject: computer / technology Notes: Apple II became successful because it was easy on programmers "the implementation of any algorithm breaks down when driven beyond its range," Jean Louis Gasse	
Mar 89	5.13	Looking for ProDOS-based Pascal Key Terms: Gary Little hired by Apple Subject: language Notes: Turbo Pascal, Apple Pascal 1.3, Kyan Pascal, PROMAL, Instant Pascal, Logo, Manx C, Forth, Beagle Compiler, Micol BASIC, ZBasic	
Mar 89	5.13	Control Panel saver and restorer Subject: utility System: S16	Lorne Walton
Mar 89	5.13	GS/OS Problems: false messages, Apple support Subject: operating system Notes: some problems due to: system disk concept, Installer, memory requirement bad memory chips (CAS before RAS), safe booting, sparse files, AppleShare, 'torn' graphics on super-hires screen	
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Mar 89	5.15	Micol Advanced Basic for the IIgs Key Terms: structure Subject: language Notes: Applesoft hackers have to unlearn some habits System: GS	
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Apr 89	5.22	Programming the GS Subject: programming Notes: programming on the GS can still be simple, if you choose that level programming in a shell-like environment	Lorne Walton / Dennis Doms
Apr 89	5.22	Apple IIgs Memory Expansion Cards don't support three banks of chip Subject: hardware	
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Apr 89	5.22	Cleaning disk drive heads / printing dates with mail-merge Subject: tip Notes: incorporating AppleWorks data base info in two-page printouts DB Master Professional / MouseText in AppleWorks documents	

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Apr 89	5.23	international support for Apple Key Terms: K-Mart Subject: support Notes: Netherlands, France, West Germany, Italy, China, Phillipines, Canada the international problems seem to be centered in Apple's own offices	
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May 89	5.26	Video Technology (Laser Computer) obtains license of Apple II techn Subject: news Notes: Zuckerman purchases rights to Franklin compatibles ImageWriter LQ updated	
May 89	5.26	Boston AppleFest / National Educational Computing Conference Subject: new Notes: Claris updates AppleWorks GS	
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May 89	5.27	Apple France support Key Terms: Le Guide Subject: support	Yvan Koenig
May 89	5.27	Inking color ribbons Subject: tip / utility Notes: SEG.PR.EDITOR.BNY (supports more custom printers for AppleWorks)	
May 89	5.28	ProDOS FST on GS/OS System Disk 4.0 can't recognize dates > 30 Subject: bug fix	David Lyons

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May 89	5.29	AppleWorks crash with over 2MB memory explained Subject: technical Notes: suggestions for using Publish It! with SoftSwitch and AppleWorks	
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May 89	5.30	upgrading Chinook hard drive to SCSI Subject: upgrade	
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May 89	ins	The Graphic Exchange Distributor/Column: Roger Wagner Publishing Subject: utility / graphics Notes: exchange graphic images between Print Shop, Newsroom, MacPaint Price: \$37.50	MacLean, John
May 89	ins	SoftSwitch Distributor/Column: Roger Wagner Publishing Subject: utility Notes: instantly switch between applications System: GS Price: \$45	Kashmarek, Ken
May 89	ins	Programming the Apple IIGs in C and Assembly Language Subject: book / tutorial Notes: introduction to the APW on the GS System: GS / APW Price: \$19	Andrews, Mark
May 89	ins	Autoswitch TF-500 Subject: incoming call router Notes: connect telephones, answering machines, computers, fax machines, multi-line phone systems Price: \$395	
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Jun 89	5.34	Apple II and Macintosh Co-Existence Key Terms: automatic, stick shift, sedan, sports car, marketing commitment Subject: computer / policy Notes: the Apple II product line will continue to be a viable choice for many customers into the 1990's	Jean-Louis Gasse
Jun 89	5.35	HyperStudio Distributor/Column: Roger Wagner Publishing Key Terms: HyperCard Subject: presentation graphics and sound Notes: card, buttons, text objects, graphic objects, could be used for training, reference, entertainment	
Jun 89	5.36	Laser warranty / Claris site licensing program for AppleWorks Distributor/Column: Miscellanea Subject: news Notes: II at Work: Apple II Productivity News	
Jun 89	5.36	TimeOut TeleComm, ReportWriter, GS Font Editor Distributor/Column: Beagle Bros Key Terms: Program Writer, Point-to-Point Subject: communication / data management / utility Notes: ReportWriter gives you a relational report generator that can take information from up to 11 separate files	
Jun 89	5.37	NewsWorks (Newsweek AppleWorks data base files) Distributor/Column: Miscellanea Subject: new products Notes: Kyan Pascal still distributed / IIgs replacement batteries from Nite Owl CD-ROM disk given away / Hometown, U.S.A. (build a town)	
Jun 89	5.37	learning Basic programming Subject: books Notes: A Touch of Applesoft Basic, Applesoft Tutorial, Applesoft Prog Reference BASIC Programming with ProDOS, ProDOS Inside and Out, DOSTalk Scrapbook BASIC and the Personal Computer	
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Jun 89	5.39	ProDOS 8 versions Subject: operating systems Notes: some major changes from version 1.1.1 through 1.7	
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Jul 89	5.41	AppleWorks 3.0 a blockbuster Distributor/Column: Claris Key Terms: TimeOut Subject: integrated Notes: with spelling checker, 16,000 record data base, 9999 row spreadsheet, smart clipboard, select subdirectories, 26 new spreadsheet functions date and time formats, custom printers	Alan Bird, Randy Brandt, Ro
Jul 89	5.47	HyperStudio tips Subject: tip Notes: boot into stack; using a palette editor; memory requirement; stack size depends on backgrounds, graphic objects, sounds	Roger Wagner
Jul 89	5.47	Beginning Books / what is Control-D? / Applesoft colons Key Terms: Computer Wimp, DOSTalk Scrapbook Subject: tip	
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Aug 89	5.51	AppleWorks 3.0 to ship in August / Applied Ingenuity hard disk ads Distributor/Column: Miscellanea Subject: news Notes: Cirtech SCSI card / Boston Computer Society Video Overlay Contest Applefest San Francisco / Kinko law suit / Wordbench site license quotations from A2-Central	
Aug 89	5.51	Apple VAR program, cont. Key Terms: David Ramsey Subject: support Notes: attempting to sell a IIGS-driven egg-grader	David Ciotti
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Aug 89	5.53	print 3-up AppleWorks labels / AppleWorks 2.1 and spaces Subject: technique Notes: sorting birthdays / using ADB.READER to look at damaged files System: AppleWorks	
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Aug 89	5.55	Print Shop GS prefix Subject: tip Notes: looks for program and configuration files in PREFIXED subdirectory	
Aug 89	5.55	education for commercial gs programmers Distributor/Column: various Key Terms: Hodgepodge Subject: book Notes: Apple IIGS Machine Language for Beginners; Programming the IIGS in Assembly Language; Programmer's Introduction to the Apple IIGS	Wagner, Roger / Eyes, David
Aug 89	5.56	Worldwide points of light Subject: international support Notes: Apple France; Urs Brunner, musicomp; Pandasoft, MGA Microsystems Apple Australia; Jean-Louis Gasse, Del Yocam; Beijing, China	
Aug 89	ins	A2-Central Monthly Disks Subject: software Notes: descriptions of	
Sep 89	5.57	Apple upgrades IIGS hardware Subject: computer Notes: will now be shipped with a 1MB memory expansion card and revised mother- board / doubles ROM to 256K and includes System Disk 5.0	TW
Sep 89	5.57	Developers form new group at A2-Central Developer Conference Distributor/Column: Stone Edge, Roger Wagner, Beagle Bros, Micol, Western Designs Subject: association Notes: Bill Mensch, Laser (Mike Wagner), Lidar Research Institute, Pravetz-8a	TW
Sep 89	5.58	Dennis Doms becomes editor of A2-Central Subject: company Notes: Jay Jennings joins staff, Chet Day becomes head sysop Tom Weishaar to work on developing new products	TW
Sep 89	5.58	IIGS System Disk 5.0 ships (use the supplied installer) Distributor/Column: Miscellanea Subject: news Notes: beware the BASIC.SYSTEM v1.3 bug / AMR alternative to Apple 3.5 drive AppleWorks Programmers Association / Bob Schwabach praises AppleWorks Crystal Quest GS, Australia Apple II developer's conference	DJD
Sep 89	5.59	AppleShare and the Apple II Key Terms: LocalTalk, router, bridge, Aristotle, electronic mail Subject: networking Notes: file server, IIe or IIGS work stations, system administration file organization; single-user, multi-user, single-launch, multi-launch	DJD
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Sep 89	5.64	Works to Works Transporter Distributor/Column: Productivity Software Subject: utility Notes: translates files from AppleWorks to Microsoft Works (Mac) System: Mac (Apple File Exchange)	
Sep 89	ins	video tapes of the A2-Central Developer Conference Distributor/Column: A2-Central Catalog Subject: new products	
Oct 89	5.65	Beagle Bros prices acquired Styleware products, announces site lice Distributor/Column: Miscellanea Subject: news Notes: Ultra.Invoice (Triad); Chinook announces hard disk, IIC RAM expansion Cirtech "hard disk on a card"; BIX goes to flat-fee billing	
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Oct 89	5.68	smallest GS/OS launcher is on the IIgs System Disk Key Terms: ProSel, Squirt Subject: systems software	
Oct 89	5.68	sharing data between different computers (Apple II, IBM, Macintosh) Subject: technique Notes: WordPerfect, CrossWorks, MatchPoint, Apple File Exchange, Apple FDHD, Central Point Option Board Deluxe, PC Transporter	

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Oct 89	5.69	Listworks Subject: printer utility Notes: prints labels in multiple columns (in column-oriented sequence) System: AppleWorks Price: shareware	Andrew Mackie
Oct 89	5.69	Manx Apprentice C Distributor/Column: Manx Software Systems Subject: language Notes: AppleWorks 2.1 OA-H problem	rb Henry Throop
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Oct 89	5.70	ProSel-16 handles extended format files Subject: disk utility System: GS Price: \$60	Bredon, Glen
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Oct 89	5.72	a faster IIGS? Distributor/Column: Apple Key Terms: Bill Heineman, Crystal Quest GS Subject: computer Notes: fast 65816 processors needed (but a 1 Mhz 65816 is equivalent to a 4 Mhz 68000 or 8086)	
Oct 89	ins	Mastering AppleWorks / In Search of the Most Amazing Thing Distributor/Column: various Subject: book Notes: ImageWriter LQ Reference / Graphics Design for the Electronic Age Applesoft BASIC Programmer's Reference / BASIC and the Personal Computer Apple IIGS Assembly Language / Macintosh Programming Secrets	

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Nov 89	5.79	GEnie access in Canada Subject: communications service	
Nov 89	5.79	how AppleWorks allows lower-case file names Subject: tip Notes: uses the auxtype field for a mask lower case now accepted by ProDOS FST with System 5.0	
Nov 89	5.79	converting Apple Pascal to TML Pascal Subject: language Notes: IBM documentation on UCSD Pascal useful for Apple too	Andy Conrad
Nov 89	5.79	Disassembly Listings Subject: tip Notes: INSTDSP (\$F8D0) disassembles one instruction	
Nov 89	5.80	replacing defective ADB ports Subject: hardware / maintenance Notes: check the soldering / ORA Electronics	
Nov 89	5.80	Apple IIGS survives storm at sea Subject: experience	W.D. Watterson

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Nov 89	ins	10% holiday sale Subject: sale	
Dec 89	5.81	Year of the rumor Subject: rumor Notes: qualified guesses on: cheap color Mac, dual Apple II-Macintosh, HyperCard GS, HyperStudio / Apple II spin-off company	DJD
Dec 89	5.83	Free Trial Run or Cash Back promotion / Apple IIgs System Software Distributor/Column: Miscellania Subject: news Notes: Apple Direct developer survey / Laser offers discount coupons SoftView drops GS TaxView due to "decreasing sales" of the IIgs (5.91)	
Dec 89	5.84	AppleWorks GS upgrade / "complete" HyperStudio is shipping Subject: news Notes: Applied Engineering DataLink Express modem Drive Exerciser (American Education Services)	
Dec 89	5.84	BASIC Style Subject: programming / technique Notes: mnemonic variable names and usage of subroutines	J.E. Douglas and DJD
Dec 89	5.85	ISAM, DB Master style Subject: technique Notes: how ISAM is implemented in DB Master; BASIC Programmer's Pak	Barney Stone
Dec 89	5.85	Forms Generation Subject: technique Notes: TimeOut ReportWriter, DB Master, GRIDS+ (p5.91), SuperFonts AceCalc memory expansion recognition, PlusWorks	
Dec 89	5.85	AppleWorks 3.0 patches for Franklin and II Plus? Subject: integrated / patch Notes: PlusWorks, RamFactor, TimeOut UltraMacros, SuperPatch	
Dec 89	5.86	use separate AW column for year Subject: tip Notes: date fields automatically converted from text to database System: AppleWorks	Liz Anderson / Leigh S. Roc
Dec 89	5.86	"Unclaimed Sound Interrupt" Error fixed by cleaning Enqsonic chip Subject: tip / trouble-shooting	Jim Coffey
Dec 89	5.86	Telephone Devices for the Deaf Key Terms: Deaf-Ware Subject: handicapped Notes: TDDs communicated in Baudot can be modified to be used as a TDD	E.W. Testut / Keith W. Higg
Dec 89	5.86	Quantum Hard disk interleaving Subject: hardware Notes: judging the best interleave is complicated	
Dec 89	5.87	Load Runner virus Subject: virus Notes: symptoms and cure	by Udo Huth
Dec 89	5.87	GS/OS compatibility with software / FST use Subject: systems software	
Dec 89	5.87	converting Macintosh fonts Key Terms: MacTrans, RESLIST Subject: font Notes: contact font librarian Mark Collins; Font Munger	
Dec 89	5.87	LaserWriter recommendation Key Terms: PostScript, Don Lancaster (5.91) Subject: laser printer Notes: recommend LaserWriter NT, but not LaserWriter SC LaserJet, PhoenixPage, PacificPage	

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Dec 89	5.88	using AppleWorks GS files for production on Macintosh and LaserWrit Subject: publishing / technique Notes: LaserWriter driver will generate a text file of the PostScript program needed to produce your printout	
Dec 89	5.88	IIGs used in law practice Subject: application	Gary Young
Dec 89	ins	Stack-Central Subject: publication Notes: hypermedia developments, authoring tips, clip art and sounds, public domain and shareware stacks System: HyperStudio	Baker, Terry (ed.)
Dec 89	ins	AMR 3.5 Drive / Laser 190A Serial Printer / Supra 2400 baud modem Subject: hardware / book Notes: The Print Shop Project Book	
Jan 90	5.89	Farewell, old friend (the end of Call-A.P.P.L.E.) Subject: magazine Notes: the 12-year illumination of Call-Apple's guiding light is extinguished	Val Golding
Jan 90	5.90	bugs in Filer 1.1 and System Utilities 3.1 / Finder and AppleWorks G Distributor/Column: Miscellanea Subject: news Notes: Beagle Compiler 3.0 / AW 3.0 Companion / JEM software: SpellCopy, DoubleData, Flexical, Mr. Invoice, MiniPaint, I.O. Silver	
Jan 90	5.90	Closing the Gap (special educator newspaper) Distributor/Column: Miscellanea Subject: news Notes: Apple II Technical Bulletin, Softdisk GS available ORCA/Disassembler for the IIGs	
Jan 90	5.91	Hewlett-Packard printer drivers for the Apple IIGs Subject: printing Notes: write to Insight Development	Daniel Slaven
Jan 90	5.91	Using AppleWorks 3.0 with an Epson DX-10 and Grappler + Subject: tip / printing	D.G. Chapman
Jan 90	5.92	Tax Preparer Distributor/Column: HowardSoft Subject: tax Notes: continuing strong for the Apple II market performance prior to System 5.0 may have discouraged GS development	J.E. Howard, Ph.D.
Jan 90	5.92	A-DOC Key Terms: documentation Subject: utility Notes: references CALLS, GOSUBs, line numbers, variables, etc. Price: \$15 (shareware)	Merrill, Robert M. / rb Dav
Jan 90	5.92	hand scanners Distributor/Column: Data Recall / TPS Electronics Key Terms: bar code Subject: scanner Notes: video scanners: ImageWorks II, ComputerEyes/2, Thunderscan	
Jan 90	5.93	The UltraMacros Primer Distributor/Column: National AppleWorks Users Group Subject: book Notes: how to write macros Price: \$19.95	Munz, Mark
Jan 90	5.93	using Thompson 4125 and Magnovox 8CM515 monitors with the GS Subject: monitor Notes: cables available from Redmond cable	Robert E. Wilson

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Jan 90	5.93	Equipment interfaces: A-BUS, ADALab Distributor/Column: Alpha Products, B& B Electronics, MBC Metrabytes, Omega Engineering Key Terms: galvanometer, weather station, RS-232, analog-digital converters Subject: hardware Notes: companies which make interfaces for attaching equipment to computers Applied Engineering, Interactive Microware, Strawberry Tree, Vernier	
Jan 90	5.94	Reading /RAM directory from BASIC Subject: technique	
Jan 90	5.94	partitioning a hard disk from GS/OS and ProDOS Key Terms: SmartPort, SWAP-SCSI Subject: technical / hard disk Notes: ProDOS uses "slot-drive" to access hard disk, GS/OS does not	
Jan 90	5.95	more on Mac/Apple conversion / use AppleWorks GS to recover AW file Key Terms: Burke Software Subject: tip Notes: AppleWorks 3.0 imports Microsoft Works file (in ASCII) converting Format II data base	Vern L. Master1 / James Hir
Jan 90	5.95	Education and computers Key Terms: piracy, video-overlay card Subject: education Notes: hyper-stuff is an important direction for education a single set of equipment in each classroom is the coming trend	Robert R. Hall
Jan 90	5.96	Let's give credit to the hard-working crew at Apple Subject: support	Craig Peterson
Jan 90	5.96	the Apple II may be getting some respect by Apple Australia Subject: support Notes: Apples used in Australian wine Option key features of System 5.0 confused WordPerfect 5.0	Ross Barrell
Jan 90	5.96	CD-ROM project looking for Apple II and Mac software Distributor/Column: InterChange/NAUGC '90 Subject: software Price: \$40	Edward Floden
Jan 90	ins	Build your own 80-Meg Hard Drive / Magnavox Monitors Distributor/Column: A2-Central Catalog Subject: new products Notes: AMR 3.5 Drives, Supra 2400 modem / Laser 190A Serial printer / cables	
Feb 90	ins	A2-Central: vol. 5 Subject: index	
Feb 90	6.01	spring 1990 AppleFest is moving / first International Computer Foru Subject: news Notes: VisionPlus digitizer returns / 8/16 consolidates Ariel publications Develop (technical journal from Apple) / Apple II Development Dynamo (by Eric Soldan)	
Feb 90	6.02	GS Numerics Distributor/Column: Spring Branch Software Key Terms: Lukasiewicz (reverse Polish) notation Subject: math Notes: combines the features of a scientific calculator with an integrated graphing system. In addition, matrices, systems of linear equations, and complex numbers can be manipulated System: GS Price: \$130 (6.10:\$140)	rb DJD
Feb 90	6.03	AppleCD SC Distributor/Column: Apple Key Terms: SCSI, Phil and Dave's Excellent CD Subject: CD ROM Notes: the large amount of storage (over 550 MB) makes CD-ROM ideal for holding spacing-eating audio and graphics information Price: \$1199	

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Feb 90	6.05	GS/OS Resources Subject: technical Notes: tools for editing resources: REZ, DEREZ, Call Box, TML Pascal II	
Feb 90	6.06	The Hard Disk Buyer's Guide Distributor/Column: Quality Computers Subject: hardware / hard disk	
Feb 90	6.06	TransWarp with 65C802 option Subject: microprocessor Notes: 65802 recognizes the same instructions as the 65816, but is compatible with the 6502	
Feb 90	6.06	Business Card patch wanted Subject: patch Notes: want a patch to access clock in ProDOS (beyond 1.1.1)	
Feb 90	6.06	HyperStudio vs. Tutor-Tech Subject: hypermedia Notes: Tutor-Tech is cheaper than HyperStudio and works on the 128K IIe/IIc	
Feb 90	6.07	GS option keys give special characters Subject: tip	Bob Symonds
Feb 90	6.07	printing disk directories to text files Subject: tip Notes: BASIC program, Information Desk, File Librarian, LastCat	
Feb 90	6.07	Menu Clock interferes with downloads Subject: tip	Tim Crossman
Feb 90	6.07	PaintWorks Gold patch to work with System 5.0 Subject: patch	Jason Harper
Feb 90	6.07	No Slot Clock path for ProDOS 1.8 Subject: patch	Frank Shirk
Feb 90	6.07	No ROM 02? Subject: tip Notes: ROM 02 was never released	
Feb 90	6.08	AAFES Subject: support Notes: Apple pulls its products from military base exchanges	
Feb 90	6.08	Report from the Netherlands Subject: international support Notes: AppleWorks 3.0, UltraMacros 3.0, Klokhuys SIG, Kees Buys, Disk Kronemeyer, GS/OG, Apple II Support service, Apple Netherlands, Photonix, Nucleus	
Mar 90	6.09	Personnel moves rock Apple Key Terms: Electronic Learning (6.28) Subject: company Notes: Del Yocam left, Michael Spindler replaces Allan Z. Loren, Gasee leaving educators want a "baby Mac" -- what about the GS?	
Mar 90	6.09	Somak Software announces TeleShare (pay shareware fees by credit ca Distributor/Column: Miscellanea Subject: news Notes: Visionary GS digitizer / Zip Chip patent hurts Rocket Chip, TransWarp II OGI Pascal (8-bit Pascal from On-Going Ideas) / The Works changes name to The AppleWorks Education / AppleWorks Programmer's Assoc. phone no.	
Mar 90	6.10	The Macintosh Way Distributor/Column: Scott, Foresman and Company Subject: book / management Notes: irreverent lessons in management Price: \$20	Kawaski, Guy / rb DJD

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Mar 90	6.10	Talk Is Cheap Subject: communications Notes: does not automatically include GEM (normally)	
Mar 90	6.10	converting AppleWriter-driven legal system for use with AppleShare Subject: network	
Mar 90	6.10	develop magazine includes CD-ROM Key Terms: dynamo, ISO 9660 Subject: CD-ROM Notes: MEDICINE publication is available on CD-ROM CD-ROM info is often in not-the-most accessible formats	
Mar 90	6.11	GS/OS version? Subject: tip Notes: press "esc" as you boot the disk, and check the ProDOS FST version	
Mar 90	6.11	Techware on Tutor-Tech Subject: hypermedia Notes: has had 9 major upgrades, uses object-oriented drawing tools which makes stack much more compact, and supports more videodisk player models	
Mar 90	6.11	GS Serious System Errors Subject: technical / bug Notes: caused by non-existent font sizes and the size of NDAs	
Mar 90	6.12	AppleWorks GS time and date Subject: tip Notes: select view header or view footer	
Mar 90	6.12	PaintWorks Gold upgrade available from Titan Products Price: \$5	by Ramon P. Ratte
Mar 90	6.12	ReportWriter day-of-week Subject: tip Notes: use @DAT2JUL function	James L. Gibson
Mar 90	6.12	ProDOS file sizes Notes: sparse files uses less storage than its ENDFILE value would indicate ShrinkIt doesn't compress data, it smashes them	
Mar 90	6.12	Plotter artist Subject: art Notes: wants to contact other computer-plotter artists	Werner Kubelka, Brazil
Mar 90	6.12	Converting files from PFS:File to AppleWorks Subject: technique Notes: for up to 15 PFS:File fields	Donald A. Lipman
Mar 90	6.13	transfer PFS files to MS-DOS Key Terms: Apple Turnover, Trackstar, Daynfile, Rapport Subject: file transfer Notes: configured PFS to print through serialport	A. Hadiwidjaja
Mar 90	6.13	Printer problem solved Subject: trouble shooting Notes: daisy-wheel was not set correctly / use the self-test first	Byron T. Cook
Mar 90	6.13	cursor location Subject: tip Notes: CH (36) and CV (37) give the cursor location	
Mar 90	6.14	replacing 5.0.2 SCSI driver solves problem Subject: troubleshooting Notes: there may be something odd with the new SCSI driver	Jean-Claude Riedinger
Mar 90	6.14	Sensible Software has auxiliary dictionaries Subject: spelling checker Notes: Steadman's Medical Dictionary, Black's Law Dictionary, Technical Dictionary / Sensible Grammar / Medical dictionary for QuicksPELL	

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Mar 90	6.14	WordPerfect GS can redefine keyboard commands Key Terms: keyboard equivalents Subject: tip	
Mar 90	6.14	Backup for hard disk Subject: backup Notes: Backup II won't handle GS/OS extended files correctly ProSel-16 back-up is file oriented and incorporates data compression Salvation is a new backup program for GS/OS	
Mar 90	6.15	Quark XPress used to print A2-Central Subject: publishing Notes: but text is first entered with AppleWorks System: Mac!	
Mar 90	6.15	access speed Key Terms: MultiKache, Diversi-Cache Subject: technical Notes: to make the hardware faster, you can go to a faster drive (hard disk or RAM disk) or to a disk controller that uses DMA or caching	
Mar 90	6.15	Grapppler+ upgrade for IIGs Distributor/Column: Orange Micro Subject: printer interface Notes: allows a transparent mode so a control-I can be output without it being intercepted by the card	
Mar 90	6.15	Apple experience in Australia Key Terms: portable, Brother WP-600, Publish-It! 2, cDrive, cKeeper Subject: support Notes: an Apple IIC with AppleWorks has the potential to be a great laptop computer	Peter Schaper
Mar 90	ins	Nite Owl IIGs Battery replacement / A-2 Central Font Collection Distributor/Column: new stuff Subject: new products Notes: Talk Is Cheap/Genie Master / SuperPatch / UltraMacros Primer Laser 128 Technical Reference / MENU Software Guide for the Apple II Hands On AppleTalk / Legal Care for Your Software How to Copyright Software / The Hacker / lower prices of AMR 3.5 drives and CIRTECH RAM cards	
Apr 90	6.17	Apple High-Speed SCSI Card Subject: interface card Notes: supports DMA, throughput 1 MB per second on the IIGs Price: \$129	
Apr 90	6.17	Apple II Developers meet with Apple managers Subject: industry Notes: Apple understands the need for continuing Apple II sales, Apple II champion (Jane Lee) hired feels it has a high acceptance in education, but weak in business	by TW
Apr 90	6.18	Apple announces one-year warranty / Apple SC CD-ROM service program Distributor/Column: Miscellanea Subject: news Notes: AppleCD SC CD-ROM and LaserWriter price lowered / TrueType outline font Gasee resignation confirmed	
Apr 90	6.18	CID-20 hard-disk-on-a-card Distributor/Column: Cirtech Subject: hard disk Notes: 2.5 inch drive is small and fast Price: \$695 (20 MB) / \$895 (40 MB)	rb DJD
Apr 90	6.19	The state of the IIE Distributor/Column: Apple Subject: computer Notes: Apple plans to continue selling the Apple IIE to schools	

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Apr 90	6.19	II vs IIgs Subject: industry Notes: owners of old IIs have little use for the IIgs A2-Central believes they have to present both the current and future technology	Toby W. Acheson, Tom Zuchow
Apr 90	6.20	freeing up the 1024 byte "system" buffer Subject: tip Notes: you can't if you're using BASIC.SYSTEM; try CHAINING or MicroDot, or Beagle Compiler	
Apr 90	6.20	using AMR 3.5 drives with Universal Disk Controller Subject: tip / hardware Notes: daisy-chaining 5.25 drive with UniDisk 3.5	John L. Callahan
Apr 90	6.20	spooling a PostScript file to disk Subject: tip Notes: simply rename the LaserWriter driver to LaserSpooler Clipper won't be ported to GS / using TML Pascal II	Phil Tyler
Apr 90	6.21	modifying page defaults for AppleWorks Subject: patch Notes: AW 3.0 Companion contains this option	
Apr 90	6.21	fast GS Key Terms: OS/2 Subject: accelerator Notes: GS/OS on a Vulcan with a TransWarp GS is a pleasure to use	Clay Ruth
Apr 90	6.21	Broderbund copy protection not compatible with Applied Engineering Subject: industry Price: Hewlett-Packard is hearing Apple II people	Jack Clay
Apr 90	6.21	Desktop programming help Subject: reference Notes: current information is available from APDA and electronic services	
Apr 90	6.21	Megaboard rights now held by ICT Subject: hardware	
Apr 90	6.21	Smartboot Subject: utility Notes: allows the hard disk user to turn on his computer and all peripherals at the same time Price: public domain	Steven Weyhrich
Apr 90	6.22	setting up a Cirtech ROM-512 disk card Key Terms: EPROM, quikLoader, PROMGRAMER Subject: tip / hardware	D. Herrmann
Apr 90	6.22	faster AppleWorks search Subject: tip Notes: make a smaller temporary file	W. Henry Linton, Jr.
Apr 90	6.22	wanted larger text size / translate between English, Polish, Spanish Key Terms: Command.Com, Point-to-Point, VisiCalc Subject: help wanted Notes: implementing ProDOS on old Seagate drive / MicroCookbook status of ProFiler, Let's Talk / discontinued products	
Apr 90	6.22	Page breaks broken? Subject: tip Notes: printer is printing on the page break	
Apr 90	6.23	Epson LX-80 backspace Subject: tip / printing Notes: useful for printing subscripts / use Escape p0 Control-R	James Sibley

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Apr 90	6.23	Transtar printer codes Subject: tip (wanted) / printing	
Apr 90	6.23	24-pin printer (Epson LQ) driver found in Publish-It! 2.0.2 Subject: tip / printing Notes: also works with Panasonic KX-P1124	
Apr 90	6.23	VIP Professional version for GS/OS being worked on Distributor/Column: ISD Marketing Key Terms: Lotus 1-2-3 Subject: spreadsheet	
Apr 90	6.23	Chaos, Fractals, and Dynamics Distributor/Column: Addison-Wesley Subject: book / mathematics Notes: interesting programming exercises involving graphics	Devaney, Robert / rb Bruce
Apr 90	6.23	Apple IIGS used by molecular biologist Subject: experience Notes: uses AppleWorks GS and ORCA/Pascal DNA Analysis package by Christian Marck from France program to read ProDOS, CP/M, Pascal, DOS 3.3 directories and print labels / GS+ a new bimonthly magazine for the IIGs by EGO systems	John A. Hunt, Ph.D.
Apr 90	6.23	Portable Apple IIc is available Subject: hardware Notes: Apple's LCD screen, C-Vue, Prairie Portable Power Pack Apple II Plus, inverter, Diconix, Roger Coats	Leon H. Raesly
Apr 90	6.24	How fast is your computer? Subject: benchmark / publishing Notes: the IIGS with Publish-It! compares favorably with MS-DOS machines	Vern L. Mastel
Apr 90	ins	Apple IIgs Technical Library Set Distributor/Column: Addison-Wesley Subject: book / reference Notes: six books at a special price System: GS Price: \$50 (\$149 value)	
Apr 90	ins	Floating Point Engine Distributor/Column: Motorola Subject: co-processor Notes: based on MC68881, SANE math tools will use FPE instead Price: \$249	
Apr 90	ins	GS Numerics Subject: math / calculator Notes: graphs functions and curves, does matrix operations, solves systems of linear equations, does X-Y data analysis, and turns you GS into a scientific calculator System: GS Price: \$140	
Apr 90	ins	Cross-Works Subject: data transfer Notes: exchange files between ProDOS and MS-DOS Price: \$100	
Apr 90	ins	A2-Central Summer Conference Subject: conference Notes: Apple IIgs College	
May 90	6.25	The shell game Key Terms: AppleWorks, UniDisk 3.5 Subject: operating system Notes: program selectors come in three styles: command-line (shell), menu-based and symbolic model / BASIC.System, Squirt, Bird's Better Bye, ProSel, ECP-8, KIX, ORCA/M, Quark Catalyst, MouseDesk System: ProDOS 8	DJD

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May 90	6.27	GEnie emerges in Germany, Austria, and Switzerland; U.K, Netherland Distributor/Column: Miscellanea Subject: news Notes: DB Master Version Five goes shareware / APDA membership no longer required to purchase development tools and references Publish-It! 3.0 has new features (supports EPS) Vitesse Quickie scanner / HyperLearning Forum (newsletter)	
May 90	6.28	customizing AppleWorks for international characters Key Terms: SuperFonts Subject: patch (wanted) / foreign / technical Notes: table of extended ASCII characters for GS	DJD
May 90	6.30	printing Word Perfect to Apple LaserWriter IINT (via AppleTalk) Subject: help (wanted)	
May 90	6.30	Math coprocessors Subject: coprocessors Notes: Floating Point Engine faster, but more expensive than FastMath FastMath does not support SANE	
May 90	6.30	Carrying Cases Subject: case Notes: Lappac 2 Deluxe	
May 90	6.31	free blocks on Smartport RAM disk Key Terms: MLI ONLINE, OURBUFR, GET_FILE_INFO Subject: technical Notes: need to obtain the ProDOS unit number	
May 90	6.31	Books on C on IIgs Subject: reference Notes: Programmer's Introduction to the Apple IIgs Programming the Apple IIgs in Assembly Language (C conversion)	
May 90	6.31	MD-BASIC Distributor/Column: Morgan Davis Key Terms: Micol Advanced BASIC, ZBASIC, Beagle Compiler Subject: language Notes: MD-BASIC translates a structured BASIC source file to Applesoft included AmperWorks System: GS (ORCA/M or APW) Price: \$50	
May 90	6.32	IIgs modem help Subject: communications Notes: System 5.0.2 has bug in SCSI drive which indicates too many interrupts	
May 90	6.32	(too many) windows Subject: tip Notes: open windows can eat memory	John Reed
May 90	6.32	Too much power? Subject: technology Notes: computers experts recommend MS-DOS 286/386, VGA, 100 MB hard disk, and laser printer to do the work of a IIe	Ian Wright
May 90	ins	CIRTECH Internal Hard Disks / Chinook IIgs RAM cards (6/90:wrong pr Distributor/Column: A2-Central Catalog Subject: new products Notes: Apple High-Speed SCSI Card / MD-Basic DB Master Basic Programmer's Pak / Beagle AppleWorks 3.0 Companion Best Book of AppleWorks	
Jun 90	6.33	Sculley committed to Apple II Distributor/Column: Apple Key Terms: Apple Vision 90, Macintosh Subject: policy Notes: Sculley makes positive statatments regarding the Apple II's future Apple will be trying to solidify compatibility bridges between the two product lines	DJD

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Jun 90	6.34	Apple II High Speed SCSI Card, RamFast SCSI Interface Distributor/Column: Miscellanea Subject: news Notes: DMA compatibility with RAM cards, accelerators, and other cards reprinting A2-Central copyrighted material	
Jun 90	6.35	Windows and Icons and Mice Subject: user interface Notes: examining Apple's standard IIGs selector tool: the Finder using icon file editors: DICEd, IconEd installing programs on a large volume alternatives: Squirt-16, programming shells, ProSel-16, LaunchBox, HyperLaunch, JumpStart	
Jun 90	6.38	24-pin printer support Subject: printer Notes: Panasonic KXP1124 is electronically and mechanically equivalent to the Roland Raven PR2417 / 99% of the software will work if printer is set to IBM mode	Stephen Brown
Jun 90	6.38	compatibility problems with Zip Chip and Apple IIc memory expansion Subject: tip	Chris Adams (Chinook)
Jun 90	6.38	compatibility with third party disk drives and new GS ROM 03 Subject: tip Notes: there are some anomalies with the AMR 3.5 drive	
Jun 90	6.39	errors in loading AppleWorks files under GS/OS 5.0 Subject: tip Notes: ProDOS 8 v.1.7 wasn't prepared to handle the alterned min_version numbers that GS/OS now uses to simulate lower case in filenames	Kirk Klemme
Jun 90	6.39	Image Processing Key Terms: Digital Darkroom, Tron Subject: graphics Notes: running digital image processing on a Apple II / Second Chance v2.0	
Jun 90	6.39	entering more than 76 characters in an AppleWorks field Subject: tip Notes: you can't; try DB Master or ProFiler (which supports link fields) (ProFiler 4.0 is reviewed)	
Jun 90	6.39	ProDOS 8 clock driver for Business Card Subject: patch	Craig Peterson
Jun 90	6.39	Applesoft floating point Key Terms: Apple Numerics Manual Subject: technical Notes: try the book Assembly Language for the Applesoft Programmer	
Jun 90	6.40	hard drive in Australia Subject: hardware Notes: the power supply which comes with the Leadman case requires no modification to run on 220-240 volts	
Jun 90	6.40	6502 schools? Subject: training Notes: machine language programming classes are lacking	
Jun 90	6.40	Broderbund on copy protection Key Terms: Thexder Subject: policy Notes: Broderbund is re-evaluating their policies regarding copy protection. more programs are left unprotected, and others use off disk copy protection schemes	Joseph W. Shoemake, Broderb
Jun 90	ins	Genesys / Using AppleWorks / Using AppleWorks GS Distributor/Column: New stuff Subject: new products Notes: SyQuest Removable Media SCSI Hard Drive Assembly MD-BASIC (improved)	

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Jul 90	6.41	Picture This Key Terms: The Watchmen (graphic novel), Vidclip, CLV, CAV, Dragon's Lair Subject: multimedia Notes: laser video disc players and computers / Pioneer CLD-1070 mediaware: Tutor-Tech, HyperScreen, HyperStudio, HyperCard using the SIA III Serial Interface Adapter with an Apple II	DJD
Jul 90	6.44	HyperScreen Distributor/Column: Scholastic Software Subject: multimedia Notes: a single hi-res graphics-based and menu-driven hypermedia system capable program (but HyperStudio is better on the GS) System: 128K Price: \$33	rb DJD
Jul 90	6.45	AppxFest's move to New Jersey nets 12000 in attendance Distributor/Column: Miscellanea Subject: news Notes: Ultimate Fonts: a foreign character conversion program for AppleWorks using TimeOut SuperFonts Ralph Russo appointed director of Apple II product line	
Jul 90	6.44	Finder's Icon Info "calculate" doesn't include hidden files Subject: tip	Kevin Thornton
Jul 90	6.44	Apple High Speed SCSI Card and DMA compatibility / SCSI Card times Subject: hardware / technical Notes: SCSI Card works with more than 4 MB, but only if "extra" memory is configured as RAM disk interleave of 2:1 and SCSI ID of 6 gives the best results	J. Latta / Udo Huth
Jul 90	6.45	laser printers for Mac should work with Apple IIGS Key Terms: Postscript Subject: printer	
Jul 90	6.45	transferring umlauts Subject: tip Notes: foreign characters are lost in the translation	
Jul 90	6.46	wiping a disk clean Subject: technique Notes: check if the disk is empty, then issue a format	
Jul 90	6.46	using reserved areas of memory Subject: tip Notes: why you shouldn't use memory and resources marked as reserved it is acceptable to steal from /RAM though	
Jul 90	6.46	mouse disabled after entering and returning from Control Panel Key Terms: ROM 03 Subject: bug	
Jul 90	6.47	retrieving PFS: Plan data Key Terms: DIF Subject: help	
Jul 90	6.47	Graphics program for large format images Key Terms: PostScript, Subject: graphics / technical Notes: Designer Prints	
Jul 90	6.47	deleting left-over files on AppleTalk network Subject: technique Notes: used GS/OS instead of ProDOS 8 to delete files with "illegal" file names	
Jul 90	6.47	how many bytes equal one megabyte? / dynamic and static RAM Subject: technical Notes: 1024 times 1024 / what do the numbers on the chips mean?	

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Jul 90	6.47	Documentation Dilemma Subject: documentation Notes: there are many fine programs without adequate documentation good documentation is hard work	Quentin Packard
Jul 90	6.48	new "folk programming language" needed? Key Terms: Applesoft, amateur, hacker, user, APW, ORCA/M Subject: programming Notes: many potential programmers get confused just deciding which language to use	Martin D. Paquette
Jul 90	6.48	Whither Tom Weishaar? Subject: news Notes: Tom is busy programming, OK?	
Jul 90	ins	RAMfast SCSI Card / DoubleData / SpellCopy / FlexiCal / Mr. Invoice Subject: new products Notes: MiniPaint / I.O. Silver Apple IIgs Technical Library Set special	
Jul 90	ins	A2-Central Summer Conference Subject: conference	
Aug 90	6.49	Apple speaks (and listens) Key Terms: II Infinitum Subject: policy Notes: Ralph Russo appointed, Jim Merritt takes notes; Apple/Mac media integration, data exchange, universal access; toolbox, text interface, new Apple II CPUs / Apple Partners and Associates changes	
Aug 90	6.50	Apple acquires Claris Subject: company Notes: Claris now a wholly-owned subsidiary; Apple II not mentioned in press release	
Aug 90	6.50	Object Module Manager Distributor/Column: Morgan Davis Group Key Terms: AmperWorks Subject: program development Notes: manages the addition of multiple routines to ProDOS BASIC Price: \$24.95	
Aug 90	6.51	Can the Machine Maim the Message? Subject: technology Notes: study shows students who use IBM PC write at higher levels than those who use the Mac / other studies show the opposite and the Mac is easier and more productive than MS-DOS	
Aug 90	6.52	Donald P. Casey Leaves Apple for Lotus Distributor/Column: Miscellanea Subject: news / new products Notes: Cirtech Duet (coprocessor for the IIGS to run Mac programs) Shrinkit for the IIgs / Proterm v2.2 now available from InSync INWORDS (OCR software from Alan Bird and Rob Renstrom) ImageWriter LQ rework program / Apple II High-Speed SCSI Card Utilities	
Aug 90	6.52	Accessing illegal ProDOS file names Subject: technique Notes: used the ProDOS Filing Interface (PFI) System: AppleShare	
Aug 90	6.54	Video tape post-production and editing Key Terms: Direct-Ed, SIA III, Jerry Kindall and Dan DeMaggio Subject: video Notes: wants Apple II to control VCRs via infrared remote	Jack Schachetback
Aug 90	6.55	IIGS Portable? Subject: computer Notes: shove the Apple into a Mac case?	

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Aug 90	6.55	removing information from hard drive Key Terms: wipe Subject: technique Notes: use a low-level format / a program to overwrite all blocks on the disk	
Aug 90	6.55	ProDOS debugger Key Terms: Maxwell's Demon Subject: debugger Notes: ProDOS Assembly Tools: BugByter GSBug and Debugging Tools v.4.0B1: Loader Dumper, Memory Mangler, Scrambler	
Aug 90	6.55	looking for portable power supply and video display Subject: electronics Notes: designing a "glass cockpit" for a small homebuilt aircraft which will incorporate navigational inputs as well as engine sensor inputs	Dave Carpenter
Aug 90	6.55	use extra keyboard characters in AppleWorks 3.0 custom dictionary Subject: patch	Alan Bird
Aug 90	6.56	SWCP Subject: utility Notes: a ProDOS 8 program that can execute (and archive) IIgs Control Panel settings / primarily used for switching slots under ProDOS 8 Price: \$20 (shareware)	Grams, Tim
Aug 90	6.56	IIgs system software impressive Key Terms: Mythical Man Month Subject: operating system Notes: compared to mainframe operating systems: IBM OS PCP, OS for S367/370	Ken Lessing
Aug 90	6.56	lower cost IIgs? Subject: technology / marketing Notes: Apple has pushed the Mac to the detriment of the IIgs Apple has avoided raising the perceived value of the IIgs	Ken Kashmarek / DJD
Aug 90	6.56	Vote with your Wallet Subject: industry Notes: John Sculley's letter in The Apple IIgs Buyer's Guide Apple can help by effective advertising to increase confidence consumers help by buying products	
Aug 90	ins	Apple IIgs Toolbox Reference Volume 3 / Object Module Manager Subject: new products Notes: A2-Central Summer Conference Tapes	
Sep 90	6.57	Straight talk from Apple Subject: marketing Notes: Apple demonstrates that they were listening to the Apple II community during the last year / marketing the Apple II (what a novel concept) Ralph Russo formulates business plan	
Sep 90	6.58	Programming Environment Subject: program development support Notes: Apple IIgs Toolbox Reference, third vol; FakeModalDialog uses resources calling TaskMaster; GS/OS device and file system independence	
Sep 90	6.58	Apple II goodies Key Terms: Ensoniq Subject: new products Notes: Jim Mensch's 2-D animation toolkit; MIDISynth tool set and SynthLab SCSI demo: The Empire Strikes Back; Apple Scanner Driver; CD-ROM storage Video Overlay Card demo displays IIgs graphics on Apple IIe hypermedia demo using laser disc player and EcoVision; IIgs College; HP printer drivers, DB Master Programmer's Pack, HyperStudio Price: various	

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Sep 90	6.60	Bihexual programming: MPW IIgs Distributor/Column: APDA / Apple Key Terms: APW, Dynamo, Pizzazz, AppMaker GS Subject: program development Notes: "professional" programming for the IIgs is best done on a high-powered Macintosh with the Macintosh Programming Workshop IIgs cross development simplifies parallel development, but MPW C produces bloated code	rb DJD
Sep 90	6.61	Charles Waseleski keeps Boston Red Sox statistics on Apple II Distributor/Column: Miscellanea Subject: news Notes: Applied Engineering power supply for the IIgs; TML shifts IIgs products to Complete Technology (Vince Cooper); Ingenuity, Inc. and Checkmate Technology close doors; AppleWorks Educator offers free "AppleWorks Tips Twin Pack" / ProDOS 8 v1.9 and BASIC.System v1.4.1; ProSel-16 adds Appointments.CDA and scientific calculator; AppleFest/West at Long Beach	
Sep 90	6.62	It's "it's," not "its" Subject: grammar Notes: also "their" vs. "there" / "that" and "which"	Alan G. Hill
Sep 90	6.62	Apple II users shouldn't wish the Macintosh well Key Terms: Video Technology, Apple II emulator Subject: technology Notes: / Apple needs to prove it can sell two product lines	Robert Hardman / DJD
Sep 90	6.63	updating AppleWriter Key Terms: WPL, TimeOut, Outliner 3.0 Subject: word processor Notes: the ProDOS version offers some enhancements, but it may be time to look at AppleWorks and its add-ons	
Sep 90	6.63	DDT8 and DDT16 / Dave Lyon's NiftyList 3.0 Distributor/Column: ProDev Key Terms: BugByter Subject: debugger Notes: slot-based hardware debuggers / a "system snooper" CDA Price: \$189 each / \$15 shareware	rb DJD
Sep 90	6.64	AppleWorks GS draft printing Subject: tip Notes: you can access near letter quality and correspondence quality modes of the ImageWriter II / scaling a graphic to print correctly	David C. Frye
Sep 90	6.64	Sparse Files Subject: technical Notes: a "sparse" file is one that has been stored in a compact format due to the presence of a large number of zeros in the file	
Sep 90	ins	TimeOut-Central Subject: new products Notes: Outline 3.0, Pathfinder, Nite Owl Journal 3.5, Wraith: Devil's Demise, Supra 2400 International Modem, Magnavox RGB Monitor, CIRTECH Primo Multifunction IIgs RAM Card, The Apple II Hard Disk Primer, Pascal for BASIC Programmers, A Bit of Applesoft BASIC, Applesoft BASIC Toolbox, Microcomputer Graphics for the Apple Computer	
Oct 90	6.65	IBM PS/1: IBM has launched an assault on the home market Subject: computer Notes: IBM's marketing strategy is aimed directly where Apple isn't The sad thing is that an Apple IIgs sitting next to the PS/1 would be very competitive	
Oct 90	6.65	Mac IIci price drop / "low cost" Mac system rumors Distributor/Column: Miscellanea Subject: news Notes: IIgs teasers: Modulae (from the Free Tools Association) DreamGraphics, DreamVision (from DreamWorld, a new company) TEXTALKER for the IIgs / Checkmate resurfaces as Micro Memory	

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Oct 90	6.66	The IIgs promise Key Terms: Scientific Plotting, SuperCalc, MENU Information Directory Subject: computer Notes: "I finally bought a IIgs for one reason and one promise" The reason is TimeOut enhanced AppleWorks The promise was ORCA/C	Sidney A. Powers
Oct 90	6.66	SuperCalc 3a patch wanted Subject: patch Notes: won't recognize IIgs memory expansion card	
Oct 90	6.66	ProDOS 8 bad blocks Key Terms: backup Subject: technical Notes: If ProDOS can't read the block header, it will report an error, otherwise it will try to write the block	
Oct 90	6.67	IIgs System Software, GS/OS, ProDOS 8 Subject: systems software Notes: GS/OS is the 16-bit native operating system of the IIgs ProDOS 8 is responsible for communicating with disk devices from the 8-bit "IIE emulation" mode of the IIgs the IIgs System Software is the complete system software environment	
Oct 90	6.67	Giving it the boot Subject: technique Notes: the operating system and the program itself must fit on the disk to avoid disk swaps / how to find out if the program will fit on a single disk	
Oct 90	6.68	Postscript downloads Key Terms: LaserPrep Subject: technique Notes: moving a PostScript file from Publish-It! 3.0 to the Mac	
Oct 90	6.69	envelope gum Subject: suggestion Notes: should be apple flavored	Jerry Giaccai's daughter
Oct 90	6.69	Gliding mouse Key Terms: A+ Mouse Subject: tip Notes: the best way to freshen a dirty ball	Bill Materse
Oct 90	6.69	Mixed-up backup Subject: backup programs Notes: Backup II v2.0 needed for GS/OS 5.0 or higher, but won't work on earlier SCSI cards / actually it works, but you can also use Salvation Guardian or ProSel 16's backup	
Oct 90	6.69	Accessing the Toolbox from BASIC Key Terms: Codemaster Collection Toolbox Library, CallBox Subject: programming Notes: version of ReadASCIITime are given in ORCA/C and Mico1 BASIC	
Oct 90	6.71	Translating from dBase III to AppleWorks Key Terms: PC Transporter, FAX Subject: technique Notes: use CrossWorks 2.0	
Oct 90	6.71	accelerating the TransWarp GS Subject: hardware Notes: replacing the 28 MHz crystal oscillator with a 32 MHz one may (or may not) speed up your system slightly	
Oct 90	6.71	More orphan help Subject: support Notes: wants to use Checkmate's MultiView 80/160 with AppleWorks needs a bidirectional forms tractor for Qume LetterPro 20S	Richard Washington

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Oct 90	6.71	Control Panel Shortout Subject: tip Notes: disabling access to the IIGS CDA menu (it's better to tell the user not to alter the Control Panel settings)	
Oct 90	6.71	Hard disk interleaves Subject: technical Notes: timings shown for the ST-277N and the ST296N	
Oct 90	6.72	More on DMA SCSI Subject: hardware Notes: Jasmine times out after 20-25 seconds, system continues from 3.5" disk timings comparing DMA card with Rev. C card	Peter Watson
Oct 90	6.72	UniDisk 5.25 pulses from the finder Subject: hardware / technical Notes: the click in the speaker and the power supply may also be normal	Walter Monhof
Oct 90	ins	GEnie announced price reductions and expanded international access Subject: communications service	
Oct 90	ins	Quickie Scanner / Salvation: Guardian, Renaissance, Exorcisor, Wing Distributor/Column: New Stuff Subject: new products	
Nov 90	6.73	An Open Letter from Apple's CEO, John Sculley Distributor/Column: Miscellanea Subject: news Notes: Roger Wagner gives away free software (HyperStudio 2.1 runtime module)	
Nov 90	6.74	HyperStudio Xcmd Library Disk, Volume 1 Distributor/Column: Roger Wagner Publishing Subject: programming library Notes: included are commands to control border color, play music from CD-ROM, hide cursor, display SHR graphics, generate user prompts in dialog boxes, detecting events, finding text, display message dialogs, moving cards, communicate with IIGS ports, generate random number, set key color for Video Overlay Card, control VOC genlock, and choose use of VOC	Kashmarek, Ken / rb DJD
Nov 90	6.74	Sending letters Subject: policy Notes: if you don't see an answer, try again	
Nov 90	6.74	Hiding Apple 5.25 pulsing Subject: tip Notes: remove the 5.25 drivers from the SYSTEM/DRIVERS folder; GS/OS won't recognize the 5.25 disk drives, but ProDOS 8 still will	John R. Majka
Nov 90	6.74	Drives and GS/OS Subject: technical Notes: GS/OS needs the proper drivers to communicate with peripheral devices, such as the Sider and the Central Point 3.5" drive with the Universal Disk Controller	
Nov 90	6.74	adjusting 5.25 drive speed Key Terms: Copy II Plus Subject: tip Notes: turn the screw	
Nov 90	6.74	3.5 Drive Speed & disk problems / CMS SCSI requires 2 boots Subject: troubleshooting Notes: Gary Little program selector ideas on how to handle problems reading disks	John O' Farrell
Nov 90	6.75	Drive gone south Key Terms: jb Technologies (6.85) Subject: hardware Notes: Seagate 138N having problems; may be due to spikes or electromagnetic interference	

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Nov 90	6.76	Terminal emulation Subject: communications Notes: Modem MGR, Agate	
Nov 90	6.76	Missing ICONs Subject: tip Notes: the snazzy ORCA/Disassembler icons came with the program the "killer whale" icon came from a freeware file on GEnie	
Nov 90	6.76	MD-BASIC, SyQuest drive Subject: language / disk drive Notes: MD-BASIC is suited for multi-module system written in Applesoft the Syquest mechanism might be the perfect solution for a user wanting to share a hard disk unit among several systems	Norman S. Dafoe
Nov 90	6.76	The New Print Shop Distributor/Column: Broderbund Subject: publishing Notes: the new version is not copy protected, so is installable on hard disk	rb Harry W. Barr III
Nov 90	6.77	Universal Disk Controller Subject: hardware / tip Notes: plugging in AMR 3.5 drive into J2 slows down the drive and makes the eject button inoperative / the solution is to daisy-chain the drives off J1 / a hard disk will load the RAM disk faster than floppy	Harlan R. Davis
Nov 90	6.77	More on PFS conversions Subject: conversion Notes: corrections to procedure in converting PFS:File a more general solution to removing leading blanks using UltraMacros	Charles Jonaitis
Nov 90	6.78	AppleWorks to HyperStudio Subject: technique Notes: HyperStudio will read AppleWorks word processor files, but there isn't a mechanism currently to incorporate database files directly into a stack.	
Nov 90	6.78	Two-timing icon Key Terms: Mr. Fixit, ProSel Subject: bug Notes: "Clean up" created an exact duplicate of a subdirectory with all the same files in it	Ramon P. Ratte
Nov 90	6.78	Memory use on Apple II Key Terms: MicroDot, APEX Subject: technical Notes: Apple has been very short-sighted in reserving upper RAM memory for AppleTalk and ProDOS. / Polite Use of Auxiliary Memory	D.G. Johansen and DJD
Nov 90	6.79	No Slot Clock patch revisited Subject: patch Notes: patch for ProDOS 1.9	Nigel Broder
Nov 90	6.79	Wider word processor? Key Terms: Harmonie Subject: word processing Notes: DEV-NAGARI font created to allow word processing in Sanskrit, Hindi, and other Indian languages / 50% reduction mode only fills up half the paper don't remove Shaston font	Dr. S.S. Datye
Nov 90	6.79	DOS 3.3 to ProDOS Subject: operating system Notes: get the Apple II System Utilities	
Nov 90	6.79	Feeding the fire Subject: industry Notes: Don Lancaster says the reason for the "fire sale" is because the Apple II line is dead	Dennis Swaney

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Nov 90	6.79	Math for Apple II Subject: math Notes: math teacher in Britain is looking for commercial math program	Jame T. Jackson
Nov 90	6.79	ProDOS 8 size limits Subject: operating system Notes: why ProDOS 8 limits volumes to 32 MB and files to 16 MB	
Nov 90	6.79	Descriptor error -- System Error \$0046 Subject: technical Notes: message occurs when FTYPE.MAIN or FTYPE.AUX cannot be loaded	
Nov 90	6.80	Not encouraged by Apple's rhetoric Subject: policy Notes: Apple hasn't done its part in insuring that good serious applications exist for the Apple II family / but there may be Great Things happening on the technical side	Ross McIntosh, DJD
Nov 90	6.80	Give us our IIGS and HyperStudio Subject: education Notes: HyperStudio presentation on the unknown IIGS extended to two hours	Fuzeau Rene, France
Nov 90	ins	GS/OS Reference, Deskpak NDAs, Disk Access, Desktop File Control Distributor/Column: New Stuff Subject: new products Notes: HyperStudio Xcmd Library Disk, Volume 1 / HyperStudio Clip-Art, Volume 1 HyperStuido Clip-Sounds, Volume 1 / Second Chance V2.0 (IIGs image enhancement) / Orca/M, Orca/Disassembler, Design Master, Orca/Pascal, Orca/C, Learn to Program in Pascal, Learn to Program in C disks for Programming the Apple IIGs in Assembly Language	
Dec 90	6.81	The Ides of October Key Terms: Julius Caesar, Marc Anthony Subject: news Notes: "Friends, I come to bury the Apple II, not to praise it" Apple announced three new Macintosh models: Mac Classic is a clever marketing move, Mac IISI looks like the revolution, Mac LC is the curiosity / Robert Puette clarifies his "phasing out Apple II" statement the implication is that the IIE and IIGs are passe	DJD
Dec 90	6.82	Will Apple learn from Betamax? Key Terms: Sony Subject: company / industry Notes: MS-DOS vs. Apple is compared to VHS vs. Beta Apple is losing the marketing battle on sheer visibility of its competitor's machines	
Dec 90	6.83	Vendex Headstart LX-CD package: Buy CD-ROM drive, get computer free Key Terms: Philips, Magnavox Subject: CD-ROM Notes: package includes 8088 CPU and an imposing collection CD-ROM discs this unit points out just how much lower in cost "mainstream" systems are going to be than Apple tends to recognize or represent	DJD
Dec 90	6.84	IIGs System Software 5.0.3 / no changes in ProDOS v1.9 MLI Distributor/Column: Miscellanea Subject: news Notes: Apple II software sales rise 10 percent (how?) / ZipChip GS, ZipChip GS Plus, ZipGSX card / ASIC's 65816 workalike achieves 17 MHz, 25 MHz next? Vitesse enhances Quickie software, announces Harmonie (IIGs printer drivers) and Salvation Deliverance (disk repair utility) Seven Hills Disk Access (NDA to do disk and file maintenance)	
Dec 90	6.85	Micol Advanced BASIC 4.0 being developed / ThirdWare moves Subject: news Notes: Claris announces AppleWorks GS template contest / inCider planning to add Mac coverage / 8/16 purchased from Ariel Publishing and becomes disk only (8/16-Central) / A2-Central becomes a corporation A2-Central catalog / A2-Central direction	

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Dec 90	6.85	AppleWorks GS and SHR graphics Subject: tip Notes: when printing in "condensed" mode, use the option key while placing the imported image on your page AppleWorks GS "Easter Egg"	
Dec 90	6.85	The AppleWorks Companion Subject: adaptive technology Notes: modifies AppleWorks to add speech synthesizer support and new AppleWorks commands / requires Slotbuster II with speech synthesizer or DoubleTalk speech synthesizer	
Dec 90	6.86	Mac LC Iie emulation and networks / Aristotle, EasyShare Iix Key Terms: TrackStar Subject: network Notes: AppleShare not currently supported by Iie emulator but will be Aristotle is the pits, EasyShare Iix support DOS 3.3 over AppleShare	Brain Walker, LPC, LANPRO C
Dec 90	6.86	Ingenuity drive repairs Subject: hard drive Notes: Bill Heineman can handle most repairs (Custom Software, Inc.)	
Dec 90	6.86	Slot 3 Clock Distributor/Column: Southern California Research Group Key Terms: No Slot Clock Subject: clock Notes: installation software updated to include ProDOS v1.9	rb James P. Davis
Dec 90	6.86	More DMA SCSI Timings Subject: interface Notes: RamFast uses on-card cache to provide ultimate throughput Apple High-Speed SCSI uses a feature of GS/OS to bypass much of the OS overhead in loading large files	Peter Watson
Dec 90	6.87	SnowTerm Subject: communications Notes: uses SHR, supports VT-52 and VT-100 emulations Price: \$20 (shareware)	Snow, John / rb Hugh Grant
Dec 90	6.87	The New Print Shop and ProSel-8 Subject: tip Notes: don't run RAM.DRV.SYS before launching The New Print Shop	Skip Hayes
Dec 90	6.87	Revised No Slot Clock Utility Distributor/Column: SMT Inc. Subject: clock Notes: SMT has written an entirely new utility disk that installs a No Slot Clock driver at the first ".SYSTEM" file on your disks Price: \$7.50	
Dec 90	6.87	CloseView, Video Keyboard NDA, CD controller NDA Subject: systems software Notes: CloseView allows you to selectively magnify portions of your screen Video Keyboard allows you to type using your mouse "sticky keys," "keyboard mouse," Easy Access.Init for ROM 01 CD-Remote NDA is designed to work only with Apple CD SC	
Dec 90	6.88	No business with Apple Subject: business Notes: only outfits like Zip Technology, CV Technologies, Cirtech, and Applied Engineering can keep small businessmen in the Apple II business sadly, we face a changeover to cheaper, faster, and more supportable 386 clones / the IIgs is not as slow as rumored, but without seriously designed business software, there's no way to illustrate it	Tom Thomas, Thomas Associat
Dec 90	ins	8/16-Central Subject: new products Notes: Salvation: Deliverance (disk utility) / Harmonie (GS/OS printer drivers) ComputerEyes, Color ComputerEyes (video digitizer) Nexus (create "linked sets" of information) TimeOut UltraMacros, MacroEase	

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Jan 91	6.89	AppleFest Long Beach Subject: conference Notes: GTV demo, Ralph Russo's Apple II Business Unit, HyperCard GS announced Apple II Guide, Vitesse, Seven Hills, Zip Technology, Applied Engineering, New Concepts, SSSI, Roger Wagner, Beagle Bros, Broderbund, PC Globe, Digital Data Express	DJD
Jan 91	6.90	The envelope, please Distributor/Column: Apple II Achievement Awards Key Terms: Matt Deatherage, tuxedo, HyperCard IIgs Subject: awards Notes: Shrinkit GS, ProTerm 2.2, HyperStudio 2.1, RamFast SCSI card, Genesys 1.2, GSbug 1.5, A2-Central, America Online, High Speed DMA SCSI Card, Claris, AppleWorks 3.0, Roger Wagner (ravings)	
Jan 91	6.93	AppleLink Apple II groups formed (AII.TECH\$, AII.NEWS\$) Distributor/Column: Miscellanea Subject: news Notes: MIDIsynth is available through APDA	
Jan 91	6.93	Trackstar: running with the enemy Distributor/Column: Diamond Computer Systems Subject: computer Notes: card emulates an enhanced 128K Apple IIe at normal and twice normal speeds and installs in MS-DOS hosts System: IBM Price: \$445	rb DJD
Jan 91	6.95	Disk interleave info Subject: technical Notes: Photonix II will detect the existing interleave of a disk copying disks with different interleaves	
Jan 91	6.95	stop LaserWriter NT from printing a test page Subject: tip Notes: PostScript code	Don Lancaster
Jan 91	6.96	Apple bashing? Subject: computer Notes: There are many people who can't (or won't) deal with the MS-DOS alternative ... However most Apple II users are justifiably indignant about Apple working to shorten the useful life of systems they invested in	Lynda Botez
Jan 91	6.96	More on the New Print Shop Subject: publishing Notes: free upgrades to those who purchased the original after May 25, 1989 no copy protection, compability with Zip Chip, compatibility with TimeMaster II H.O. clock card	Paul Edwards
Jan 91	6.96	In Search of BPI Distributor/Column: BPI (sold out to Computer Associates) Subject: accounting Notes: reader wants discontinued BPI accounting modules for ProDOS	Max Poggio
Feb 91	7.1	The need for speed Key Terms: 65816, DMA Subject: accelerators Notes: TransWarp, TransWarp GS, Zip Chip, ZipGS, ZipGSX; RamFast SCSI Card	
Feb 91	7.3	Apple II Achievement Awards Subject: software / hardware Notes: ShrinkIt GS, Katie's Farm, Proterm 2.2, HyperStudio 2.1, RAMFast SCSI Card, Genesys 1.2, GSbug 1.5, A2-Central, America Online, Roger Wagner (names and addresses of companies cited are included)	
Feb 91	7.4	Diversified Software moves Distributor/Column: Miscellanea Subject: news Notes: Apple creates Customer Assistance Center (toll-free number) Windy City Wizards Computer Club (for Apple II and II Plus only)	

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Feb 91	7.4	Menu Master Distributor/Column: Electronic Learning Systems Subject: menu utility Notes: simple front end that supports DOS 3.3, ProDOS, and GS/OS you can install DOS 3.3 programs onto 3.5 or hard disk Price: \$49 (\$169 for network version)	
Feb 91	7.4	Time Is Money past due Subject: home finance Notes: problem with carrying data forward to 1990	William F. Murphy
Feb 91	7.4	User group in the Big Apple? Subject: user group	
Feb 91	7.4	ImageWriter printer basics Subject: printer / tip Notes: adjusting the left margin, using imported fonts, Page Setup and Print dialog boxes	
Feb 91	7.6	Apple RGB monitor repair Subject: monitor repair Notes: costly to replace Apple motherboard / Magnavox monitor is alternative	
Feb 91	7.6	connecting the Sonic Blaster to HyperStudio digitizer board Key Terms: Audio Animator Subject: hardware	
Feb 91	7.7	Apple annual report disappointing to Apple II supporters Key Terms: Ralph Russo, John Sculley, Roger Wagner Subject: support Notes: the Apple II has perservered despite rather than as result of Apple's marketing	Stan Sztaba
Feb 91	7.7	Should I stay with the Apple II? Key Terms: Quickie, InWords, AppleWorks, AppleWorks GS Subject: computer / support Notes: the Apple II's capabilities in connection with text input from printed matter, text input from audio sources, storage of large documents, word processor 'desktop' size, searching a document	Rick Adams
Feb 91	7.8	Lifetime subscription? Key Terms: life insurance Subject: technique Notes: one way to subscribe to A2-Central	Re Glover
Feb 91	ins	Index to Volume 6 Subject: index	
Mar 91	7.09	Applesoft for the 1990s: HyperCard IIGS Distributor/Column: Apple Key Terms: HuperStudio, Nexus, object oriented programming (OOP), script Subject: program development / hypermedia Notes: the wildly popular end-user programming language for the Mac comes to the Apple IIGS / an introduction to HyperCard programming System: GS, 1.5 MB, hard disk	
Mar 91	7.13	InWords Subject: OCR Notes: process a scanned document into text that can be read into a word processor System: 512K (supports IIe) / Vitesse scanner	
Mar 91	7.13	1040Works / Swiftax / Tax Preparer / Canadian Tax templates Subject: tax software	
Mar 91	7.13	Apples and oranges Key Terms: Sieve of Eratosthenes Subject: benchmark Notes: comparing the speed of a stock Apple IIe, IIe with TransWarp, IBM XT, AST Premium 286, ALR 386/2, and Compaq Portable III (386-20) / the pitfalls of benchmarking different systems	Tom Smith

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Mar 91	7.15	New improved(?) drivers Subject: printer driver Notes: text printing under System 5.0.4 is much faster than under 5.0.2, but graphics printing may not be (depending on the quality)	
Mar 91	7.15	Music and the IIgs Subject: music Notes: wants to arrange four-voice (barbershop-style) music with lyrics try MusicWriter / tricks to using Music Studio v2.0	
Mar 91	7.15	GS/OS error codes Subject: technical Notes: try the file in APW Tools and Interfaces from APDA	
Mar 91	7.15	Cool it Subject: fan Notes: a custom-made wooden box with a fan that sits between the CPU and the monitor	Richard Stephens
Mar 91	7.16	CD-ROM for Apple Subject: CD-ROM Notes: GS/OS is able to look at disks in High Sierra format	
Mar 91	7.16	Roll out the Apple Key Terms: player pianos Subject: user group Notes: user group in England wants to produced punched rolls for barrel organs	William Watson
Mar 91	7.16	Odd characters Subject: tip Notes: print control characters \$11, \$12, \$13, and \$14 in Chicago font, using TimeOut SuperFonts	Beverly Cadieux (Kingwood M
Mar 91	7.16	Monitoring problems Subject: monitor Notes: connecting the Apple IIc and IIe to an Apple IIgs RGB monitor / try the Video Overlay Card	
Mar 91	7.16	Portable non-Apple Subject: portable Notes: wants to transfer data from a Tandy WP-2 to an Apple IIc	Bob Varettoni
Mar 91	7.16	Improved AppleWriter Subject: word processor / patch Notes: AppleWriter and WPL being used to edit long books patch by Chester H. Page allows AppleWriter to use more memory (but only on IIgs)	John W. Pankey
Mar 91	ins	Apple II dead? Subject: industry Notes: no, witness HyperCard IIgs, InWords, CVTech memory board, ZipGSX, Platinum Paint	
Mar 91	ins	TimeOut-Central / Hyperbole Key Terms: poetry Subject: publication Notes: disk-based publication about AppleWorks Hyperbole is a new publication that mixes literary art and hypermedia	
Mar 91	ins	HyperCard IIgs / HyperTalk Reference, The HyperTalk Language (book) Subject: new products Notes: Desktop Screen Saver, ClipArt Plus, ClipVision, HyperStudio Clip-Art, vol 2; ClipTunes, ClipSounds, InWords OCR Software, Quickie Scanner, Zip GSX Accelerator, CVTech GS-Memory, Viva2m MNP modem, Co-Pilot, ProDev Debuggers, Understanding the Apple (book), EdIt-16, Rose16 Platinum Paint, Ultra Awesome Macros, Independence, Apple II Guide	

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Apr 91	7.17	incompatibility between some IIGs power supplies and ROM 03 motherb Subject: hardware Notes: affected supplied are made Dyna Comp	
Apr 91	7.17	ProSel-16 update Subject: utility Notes: addition of new utilities: appointment calendar, text editor, calculator Price: \$90	
Apr 91	7.17	Salvation Supreme Distributor/Column: Vitesse Subject: utility Notes: includes Bakkup (disk backup utility), Deliverance (disk and file recovery), Exorcisor (virus detection), Renaissance (disk optimization), and Wings (program selector) Price: \$200	
Apr 91	7.17	Menu Master discount Subject: utility Notes: send in your Apple Aristotle and get \$60 off	
Apr 91	7.17	IIGs System Software 5.0.3 and 5.0.4 changes Subject: system software Notes: the installation has undergone changes remaining known bugs in SCSI.Manager and ProDOS 8 v 1.9	
Apr 91	7.18	Zip GSX pricing upgrade / Talk is Cheap 3.3 / GENie Master 4.0 Subject: news Notes: Jay Jennings BBS (Pro-Central, Proline)	
Apr 91	7.18	IIGs solutions Subject: computer Notes: we continue to operate on the assumption that the several million Apple II users that bought IIE, IIC, and IIGs system after the introduction of the Mac had reasons for staying with the II	
Apr 91	7.18	IIGs support Subject: application Notes: thoughts on HyperCard IIGs, using HP Laserjet IIP with AppleWorks, GraphicWriter III (with Independence), MusicWriter	Martin D. Paquette
Apr 91	7.19	Software construction kit Subject: business Notes: alternatives to pfs:File for doing billing: AppleWorks Classic, AppleWorks GS, DB Master, HyperCard IIGs / who should consider buying HyperCard IIGs?	Rich Katz / Stephen Gant
Apr 91	7.20	Bad RAM karma Subject: troubleshooting Notes: AppleWorks GS hangs up and corrupts files problem may be caused by memory chip problems, mangled files can be deleted with ProSel	Jim Menick
Apr 91	7.20	Backup out of range? Subject: help Notes: some Universal Disk Controllers do not work with Backup II, patch included to solve this problem	
Apr 91	7.21	SCSI MS-DOS floppy Distributor/Column: Peripheral Land Subject: floppy drive Notes: can read and write 1.44 MB MS-DOS and Mac disks, Apple ProDOS disks not tested	
Apr 91	7.21	CDEV in space warp Key Terms: GENie Subject: utility Notes: Herb Hrowal has written a Control Panel Device for the TransWarp GS that allows setup and control through the IIGs Control Panel New Desk Accessory (TWGS.CDEV.BXY V1.4 on GENie)	

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Apr 91	7.21	A better Paint Distributor/Column: Beagle Bros Subject: graphics Notes: patch for DeluxePaint II to clear up memory problem DJD recommends Platinum Paint from Beagle Bros	
Apr 91	7.21	More on IIGs monitor fading Subject: hardware / technical Notes: the problem is with the Mitsubishi line output transformer, however replacement parts have not been secured	Desmond R. F. Foulger
Apr 91	7.21	Cheap network limits Key Terms: AppleShare, Binary II, SyQuest Subject: network Notes: LAN technology, sharing SCSI hard disks, BBS vs LAN	
Apr 91	7.22	Users gathering in France Subject: user group Notes: an invitation to join us	Club Memoire Vive
Apr 91	7.22	Tastes great vs. less filling Subject: industry Notes: with each generation of hardware, the Apple has become less friendly to experimenters / hacker recommends, "let the users go to the user's side of the room and the hackers/hobbyists go to the other a breakdown of A2-Central's readers in regards to computers used, programming, and applications	Fred H. Olin / Michael J. M
Apr 91	7.23	SuperWriter 924 interface Distributor/Column: Xetec Subject: printer interface Notes: not only converts serial to parallel information, but also converts ImageWriter code for other printers	rb Alan Hansen, Standard Pe
Apr 91	7.24	Too many characters Subject: utility Notes: a control character finder for ProDOS (reads the directory contents into a text file)	
Apr 91	7.24	Connoisseur Subject: glue Notes: high praise for the glue used in the self-mailer	rb Roy Hershey
Apr 91	ins	A2-Central Summer Conference Subject: conference	
May 91	7.25	Apple CD-ROM acknowledges Apple II products, film at 11 Subject: marketing Notes: the latest Apple User Group mailing mentions HyperCard IIGs stacks for the Apple IIe card for the Mac LC and HyperCard IIGs itself	
May 91	7.25	Is something (big?) brewing at Apple? Key Terms: SuperDrive Subject: computer / rumor Notes: this spring's rumors seem to be along the line of a less expensive IIGs rather than the wildly enhanced IIGs	
May 91	7.25	technology to assist the disabled (national search) Distributor/Column: Miscellanea Subject: news Notes: Zip GS price lowered / RamFast SCSI ROM 2.0 upgrade supports removeable media (tested SyQuest SQ555 and AppleCD SC) / GS Numerics lowers price	
May 91	7.26	Update madness Subject: updates Notes: A2-Central does not have the authority to bypass the software author, manufacturer, or distributor to provide updates for their products / Apple system software updates may be obtained from an authorized Apple Dealer, an online service, an Apple user group, or APDA	

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May 91	7.26	Questined SANE-ity Subject: technical Notes: the AppleWorks spreadsheet SANE format and how to convert it to a form usable by Applesoft	John J. Thomas / DJD
May 91	7.28	Disappearing drives Key Terms: RamFast card Subject: technical Notes: when installing a SCSI interface make sure the system's memory is DMA, the cable is OK, and the termination is correct / the SCSI specification requires termination be present at each end of the chain of devices, but the Apple Rev. C. SCSI interface did not provide either termination or terminator power; High Speed SCSI Card has termination, but not power	
May 91	7.30	Control-Show'ed up Key Terms: Program Writer, AppleWriter Subject: tip Notes: GPLE and Modem MGR editor will display control characters	Charles A. Jarvis
May 91	7.30	AppleWorks conversions Subject: conversion wanted Notes: wants to convert AppleWorks or DIF files into Managing Your Money format	Karl Hess
May 91	7.30	Two pages or not two pages Subject: technique Notes: you can design screens on text page 1, BSAVE the screens to a file, and BLOAD them later into page 2	
May 91	7.30	Hyper laser Subject: computer Notes: while waiting to interface a laser disc player with a Mac, teacher uses HyperStudio to run the disk without all the extra fuss / "the IIGs is a really great bridge machine"	Martin F. Schmidt
May 91	7.30	Manual save user (again) Subject: tip Notes: flipping "reserved" SW2-5 and SW2-6 on ImageWriter II solves SuperFonts printing problem	John J. McMahon
May 91	7.31	Apple Pascal User Groups? Key Terms: UCSD Pascal Subject: support Notes: wanted	Rich Wilson
May 91	7.31	Learn to 'share Subject: technique Notes: assigning a subdirectory to a student on AppleShare	
May 91	7.31	GS/OS awe Subject: operating system Notes: praise	Robert Green
May 91	7.31	Orphans abroad (and here) Key Terms: AppleTalk Subject: support Notes: a UniDisk 3.5 RAM-based driver for the original Apple IIC how to get replacement or upgrades when the local Apple dealer denies support / try ElectroValue Industrial, Pre-Owned Electronics, Shreve Systems, Sun Remarketing	Doug Mitton
May 91	7.32	GS/OS versions Subject: operating system Notes: determining the version of System Software	Thomas Kepka
May 91	7.32	PEEKing at versions Subject: tip Notes: IVERSION (\$BFFD) contains the version of the resident system interpreter KVERSION (\$BFFF) contains the version of the currently loaded ProDOS 8 kernel	

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May 91	7.32	Apple HD 20 and IIC Key Terms: DB-19, SCSI Subject: hardware Notes: wants to hook up an old HD 20 from a Mac to a IIC	W.E. Boardman
May 91	i1	software packed hard drives from Resource Central Subject: hard drive Price: \$599 (100 MB), \$699 (42 MB removable)	
May 91	i2	CompuShare Beginner's Books Subject: book Notes: Your IIgs Guide, Hard Drive Guide, Telecommunications Guide, GS/OS Guide	
May 91	i2	Great Utilities and Games from France Subject: software Notes: Photonix II (disk copy program), Bouncing Bluster II (Arkanoid), Space Shark (Defender-type game)	
May 91	i2	Updates and Price Changes Subject: update Notes: ProSel-16, Cirtech hard drives on a card, GS Numerics, FastData Pro, GEnie Master, Harmonie, Orca C	
May 91	i3	Ultra-AppleWorks Subject: tutorial Notes: a twelve-lesson tutorial designed for those who want to enhance and customize the high-performance power of AppleWorks Price: \$19.95 (3.5 disk), \$24.95 (book format)	Nelken, Will
Jun 91	7.33	Apple releases "The Apple II" Subject: marketing Notes: the paper lists comments from several educators, comments regarding the original vision, a time line of the Apple II's evolution, a listing of the current product family, support organizations, innovative uses, Apple II and Macintosh coexistence	
Jun 91	7.33	Sysop (newsletter), Asphyxia (monthly Apple II publication) Subject: news Notes: The Communicator (newsletter regarding the visually impaired), Technology and Learning lists the best of educational software for 1990 Deskpak v2.0 pre-release purchase price (New Desk Accessories)	
Jun 91	7.33	BASIC Help Distributor/Column: InSite Software Subject: programming aid Notes: provides a "help" command for Applesoft that brings up a menu page with 18 categories of help System: ProDOS Price: \$30	
Jun 91	7.34	Matt Deatherage's "silent" help Subject: support Notes: Matt's comments about the May issue	
Jun 91	7.34	Keeping tab on HyperCard Key Terms: selectedChunk Subject: tip Notes: modified script, tabbing to a calculated field, slow animation System: HyperCard	Barney Woodruff
Jun 91	7.35	New address Subject: technical Notes: modification to auxiliary memory program to recognize SuperExpanderE	
Jun 91	7.35	Fee paid? Subject: software Notes: looking for alternate ways to distribute shareware fees / it would help suggests an organization to distribute the money from the users to the software authors	Peter Maloney, Hawthorn, Vi

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Jun 91	7.35	Tool 33 Subject: technical Notes: the toolset for the Video Overlay Card which is included in System Software 5.0.4	
Jun 91	7.35	Alternate CD-ROMs Subject: CD-ROM Notes: the Trantor driver for the IIgs only supports the NEC drives RamFast v2.0 ROM update supports several SCSI CD-ROM drives develop (July 1990) contains an article about CD-ROM mastering	
Jun 91	7.36	Praise for Plus Works Subject: integrated Notes: Norwich is praised for helping make Apple II Plus run AppleWorks 3.0 (particularly Richard Hajdu, Vice President)	George Waaser
Jun 91	7.36	Applied Engineering support Key Terms: 900 number Subject: support Notes: support has been reduced / to help offset financial burden	Mike Sample / Patrick Galla
Jun 91	7.36	Graphic, sound file formats Key Terms: The Graphic Exchange, SuperConvert, ACE Subject: technical Notes: Apple publishes File Type Notes documenting file formats which have been cleared through Apple Developer Technical Support (DTS)	
Jun 91	7.37	Block access and interleave Subject: technique Notes: reading blocks from a ProDOS device / the interleave of a disk can be found in memory after reading a block from the disk	/ DJD, Dave Lyons
Jun 91	7.38	FORMAT II help Subject: word processor Notes: procedure to transfer database records from FORMAT II to AppleWorks Format II is still being sold and supported by the British company that wrote it	Hugh Hood
Jun 91	7.38	Time is Money fix Subject: bug fix Notes: a work-around for carrying forward data from 1989 to 1990	Bruce Rosenblum, Turning Po
Jun 91	7.38	The path not taken Key Terms: SF.Fix, DataPath NDA Subject: technical Notes: EasyDrive (program selector) does not go back to the default drive under system software 5.0.4 / Standard File (GS/OS file selection tool) is grabbing the last available device in the device list	Andrew Klimas / Shawn Quick
Jun 91	7.39	SCSI-2 and you Subject: technical Notes: SCSI, SCSI-2, and Mac SCSI	
Jun 91	7.39	A different view Subject: utility Notes: Change-a-File will read control characters in a file or directory interconverts and recovers AppleWorks word processor files and ProDOS text files / Resurrection recovers files where the directory has been damaged Price: \$10 (to unlock files for full functionality)	Harold J. Portnoy
Jun 91	7.39	Apple's StyleWriter printer Subject: printer Notes: Harmonie's Epson LQ driver reported works with Bubblejet 10e LQ emulation / StyleWriter major advantage would be the TrueType font technology, which is not yet supported by the IIgs printer drivers	

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Jun 91	7.40	Apple II vs. Mac Subject: computer Notes: subscriber is sick of hearing vocal members of the Apple II user family constantly screaming about the death of the Apple II line and how Apple has maligned them by trying to kill it	Scott Galbraith
Jun 91	ins	Script-Central Subject: programming Notes: a new disk publication devoted exclusively to HyperCard IIgs and HyperTalk	
Jun 91	i2,4	Hyperbole / Zip's new accelerator prices / Resource Central hard di Key Terms: The Face of Contentment (by Tom) Subject: fiction Notes: The Madness of Roland by Richard Gregory Roach	by Tom Weishaar
Jul 91	7.41	Comparative Anatomy Key Terms: MultiFinder, virtual memory Subject: systems software Notes: there are some improvements in System 7.0 for the Mac over the way the current IIgs Finder works: aliases, hierarchical folder display, System: Mac	djd
Jul 91	7.42	A Mac as Apple II peripheral Key Terms: Personal AppleShare Subject: networking Notes: with System 7, Apple has added what amounts to AppleShare to every Macintosh / It means, for example, that if you have both a IIgs and a Mac in your home or office, you can now easily connect the two so that they can access the same files on the Mac's hard disk System: Mac, GS	djd
Jul 91	7.43	The Apple II as Mac peripheral Key Terms: no compromise, compromise, TrackStar, schizophrenia Subject: emulation Notes: the IIe Card represents a superior implementation of an Apple II emulation designed to go into a less than optimal CPU proffered by a company with less than exemplary support for its Apple II customers System: Mac LC Price: \$199	djd
Jul 91	7.44	the mission of the Apple II Business Unit Distributor/Column: Miscellanea Key Terms: Apple's Evangelism Subject: policy Notes: the three main objectives are to continue to fulfill the demand for affordable color computers such as the Apple IIe and IIgs, to enhance and improve the user experience of those who have already invested in the Apple II family, and to shift the key focus to consumers while maintaining the support for education	Rob Barnes
Jul 91	7.45	Apple announces more company restructuring Key Terms: CompUSA, CompuCom Systems Subject: company Notes: over the next year, Apple plans to change the company to focus on achieving a better market share and on cutting expenses	
Jul 91	7.45	Apple's Developer CD Series Volume VII has a munged Apple II partit Distributor/Column: Miscellanea Subject: news Notes: alternative IIgs monitors (varying from 26 inch to 37 inches)	
Jul 91	7.45	SuperConvert Distributor/Column: Seven Hills Software Subject: graphics utility Notes: imports and converts graphics formats for the Apple II, Apple IIgs, Atari ST, Amiga, Commodore 64, Macintosh, and IBM PC compatibles Price: \$40	Harper, Jason

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Jul 91	7.45	Revenge? Key Terms: AppleWorks, HyperStudio, DB Master, Windows, GeoWorks Subject: industry Notes: Apple is indeed going to kill the Apple II line ... There are two good reasons to go MS-DOS: price and revenge / "I would like to suggest that we Apple users support the translation of our most important programs to MS-DOS"	Robert R. Hall
Jul 91	7.46	MS-DOS AppleWorks? (SuperWorks) Distributor/Column: Remarkable Technologies Subject: integrated Notes: imports and uses AppleWorks data files, but doesn't support two-way data data transfer System: IBM Price: \$199	Rick Pedley
Jul 91	7.46	GS/OS prototype? Subject: technical Notes: ProSel-16 identifies System 5.0.2 as a "prototype"	Ross Barrell
Jul 91	7.46	Color Printing and GS/OS Subject: bug Notes: you need to insert the color ribbon in the ImageWriter II before selecting color printing in AppleWorks GS	Carmela Anna Vitti
Jul 91	7.46	Quick reboot Subject: tip Notes: when you are prompted to give a ProDOS application name and you simply want to start up a new disk, simply input the word "PRODOS"	Kerry Jacobs
Jul 91	7.46	Sound impressions Key Terms: ADSR, vocoder Subject: sound / technical Notes: why a digitized voice is hard to modify System: HyperStudio	James L. Gibson / DJD
Jul 91	7.47	Another SCSI possibility Key Terms: terminator power Subject: hardware Notes: at least one common SCSI control chip found in SCSI devices puts the SCSI bus into an illegal state for a very short time / MS-DOS machines don't recognize the illegal state, but the Macintosh does	John W. Baxter
Jul 91	7.47	Key resources Subject: technical Notes: Mac and GS resources / ResEdit, Genesys; changing the keyboard layout	Dr. S. S. Datye
Jul 91	7.48	Resource forks and ProDOS 8 Subject: technical Notes: there is no ProDOS 8 format for storing information within the resource fork because there isn't a ProDOS 8 Resource Manager / how an extended file (one with a resource fork) is stored	James Gray
Jul 91	7.48	Coincidence? Key Terms: 2001: A Space Odyssey, Arthur C. Clarke Subject: science fiction Notes: HAL transposes to IBM; MAC can transpose to CRT (actually DRT)	V. R. Reading
Jul 91	ins	Apple IIgs Technical Library Set Distributor/Column: Apple / Addison-Wesley Subject: reference Notes: Technical Introduction / Programmer's Intro / Toolbox Reference I & II Firmware Reference / Hardware Reference Toolbox Reference III / GS/OS Reference System: GS Price: \$49.95	

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Jul 91	ins	Resource Central 50 Meg Drive / Total Control Distributor/Column: New Stuff Subject: new products Notes: Jason Harper's Super Convert / Chaos in the Laboratory Build Your Own Laser Printer / BASIC Help / memory chips	
Aug 91	7.48	Apple's booth shuns Apple II Key Terms: Bernard Gifford Subject: company policy Notes: Apple's exhibit at the National Educational Computing Conference did not sport a single Apple II computer / It shows that Apple's education strategy is to force the Macintosh into America's schools even at the risk of huge losses in market share, and more importantly, without regard to what it will cost the American education system	DJD
Aug 91	7.49	The People vs Programming Key Terms: VCR Plus Subject: programming Notes: programming in your native tongue / the translation to a "real" programming language / redefining the solution in an AppleWorks spreadsheet / UltraMacros / HyperStudio and HyperCard	DJD
Aug 91	7.54	RGB switch Subject: tip / video Notes: some programs show up in black and white in RGB / connects both RGB and composite input to a Magnavox RGB monitor and switches between the two via the front panel	Gary Sonnenburg
Aug 91	7.54	Sider/RamFast support Key Terms: Larry Beyer of B & D Computer Repair (7.68:corrected address, 7.78) Subject: support Notes: Andrew Vogan of C.V. Technologies tracked down the problem between the RAMFast SCSI card and a tape drive	G. Scott May
Aug 91	7.54	Beagle Compiler and "&" Subject: technique Notes: there's a way of assembly language programs to tell whether they've been called from Applesoft or from the Beagle Compiler	Craig Peterson and DJD
Aug 91	7.55	Boo, hiss Subject: hardware Notes: there is a problem with hiss with ROM 01 machines	Stephen Gant
Aug 91	7.55	More GS/OS versions Subject: operating system Notes: System 5.0.3 was only "semi-released;" version 5.0.4 was released a few months later / A convenient way to break down the IIgs System Software is by system requirements System: GS	A. Hadiwidjaja
Aug 91	7.55	900 number gotcha Subject: support Notes: customers served by certain telephone companies are legally blocked from calling Applied Engineering or any other 1-900 number	Charles W. Hall
Aug 91	7.55	Disk fading Subject: technical Notes: technicians have told us that computer data on disk media may be good for ten years or more / magnetic tape should be rewritten at least every five years / there are other things that can corrupt data on magnetic media	Rollin Ratchen
Aug 91	7.55	A flash of SuperView Subject: bug Notes: with AppleTalk enabled, SuperView's pictures are interrupted with flashes	Jack van Soest

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Aug 91	7.56	MD-BASIC and C Subject: language Notes: for those who have the need to convert 16-bit C programs to run on 8-bit Apples -- try MD-BASIC / the latest version supports whiles, repeats, if-then-else, etc.	Richard Phares
Aug 91	7.56	Apple's Mac LC "solution" Key Terms: Edsel Subject: computer Notes: I am no longer an Apple'er after 10 years of Apple IIe's, IIc's, and IIgs's / I am working from an IBM compatible 386SX clone which cost "a heck of a lot less" than a comparably equipped Macintosh LC would	Raymond W. Crowley
Aug 91	7.56	Good reasons Subject: computer Notes: three software reasons to upgrade to a IIgs: hypermedia, programming languages, and networking	Robert W. Hughes / DJD
Aug 91	ins	Publish It 4 Key Terms: Ellen Rosenberg Subject: desktop publishing Notes: even though a ProDOS 8 program, uses Apple's desktop interface System: 128K Price: \$120	
Aug 91	ins	Elite Fantasy Football Management System Subject: hobby Notes: run a fantasy football league using AppleWorks, Publish It, and a telecommunications program Price: \$80	
Aug 91	ins	Writer's Management System Subject: writing Notes: 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 System: AppleWorks Price: \$40	Hopkins, John H.
Sep 91	7.57	KansasFest 1991 Key Terms: Apple Vision, Phil Shapiro, Electronic Arts Subject: conference Notes: Apple's announcements: System Software 6.0, HyperCard revision, SuperDrive, Ethernet card / Roger Wagner's keynote address, HyperStudio, AccuDraw, LanPro, StoryWorks, ORCA/Integer BASIC, DreamPaint, MicoI BASIC, Liberty Card, Procyon Unix-like environment, Econ hard disks, Zip GSX, Advanced Interfacing Board II, Big Red Computer Club	DJD
Sep 91	7.58	Claris' booth Key Terms: vandalism, Xtnd Subject: software Notes: MacWrite II will import AppleWorks and AppleWorks GS documents	
Sep 91	7.58	Apple's developer message Key Terms: Rob Barnes, Apple II Business Unit, Mac LC and Apple II card Subject: policy Notes: Apple II advertising stalled again Apple believes the current place to make money on the Apple II is in 8-bit educational software (but not DJD and John Wrenholt)	DJD
Sep 91	7.59	UG-TV telecast / Apple and IBM announce technology partnership Distributor/Column: Miscellanea Subject: news Notes: APDA eliminates subscription fee, KingWood Micro Software is moving Apple II software from the American Institute of Small Business (establishing a business plan), new IIgs rumor is false	

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Sep 91	7.60	Apple IIe card and identifying Apple II models Subject: technical Notes: Apple IIe Technical Note #10: The Apple IIe Card for the Macintosh LC covers differences between the IIe Card and an actual IIe	
Sep 91	7.61	TotalControl Distributor/Column: JEM Subject: data management Notes: patches the AppleWorks database to add a "forms" approach to organizing their data where the methods of data entry and lookup and be tailored to a specific application System: AppleWorks 3.0 Price: \$60	rb DJD
Sep 91	7.62	What next? Subject: programming Notes: what can traditional high level languages offer that current hypermedia doesn't?	Bill Lynn
Sep 91	7.62	VCR Plus "nifty"? Key Terms: tirade, MileStones Notes: this little box fills a niche where the human-computer interface is still mysterious	Tim Tobin / Ken Franklin
Sep 91	7.62	Slower ProFile Subject: disk utility Notes: disk optimizers: ProSel-16, Renaissance	A. Mahmood Merican
Sep 91	7.63	AppleWorks tips Subject: tip Notes: reader decides not to "upgrade" to a Mac or IIgs for fast laser printing, hook up your IIe to a VAX 4000 mainframe AppleWorks reverts back to 10 CPI after printing the last page set up the laser printer control sequence in the document itself	Terrell Smith
Sep 91	7.63	No scroll Subject: tip Notes: workarounds to stop scrolling when hitting return on line 24 (change text window to allow only the last line to scroll)	Daryl Morgan / DJD
Sep 91	7.63	SuperWorks "wish list" Subject: integrated Notes: all the commands work exactly right, but the only problem is that it's AppleWorks 2.x that has been translated / no spellchecker, doesn't support the TimeOut series, and worse of all uses a hardware protection key	Derek Sutton
Sep 91	7.64	More power to you Subject: hardware Notes: when do you need a heavy-duty power supply? the first solution to try may be a fan	Jack B. Powell / DJD
Sep 91	7.64	Modem-to-modem Subject: technique Notes: transferring files between two modem with a phone wire connection, but without connection to the phone network itself	Elonard Lanigan / DJD
Sep 91	ins	A-2 Central Summer Conference Tapes Subject: new products Notes: SuperWorks / Talking Tools / Using the DeskJet 500 Printer w/ AppleWorks MicroDot / Apple IIgs Technical Library Set	
Oct 91	7.65	The Electronic Frontier Key Terms: encryption, cyberspace, Steve Jackson Subject: communications / law Notes: in this country, issues of the protection to be afforded computer bulletin board systems and networks are still being defined in the courts	DJD

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Oct 91	7.67	Write-It! NDA and HyperCard GS don't get along Distributor/Column: Miscellanea Subject: bug Notes: some users have been experiencing crashes	Chris Haun
Oct 91	7.67	HyperMover gotcha Subject: bug Notes: if you use the "Bring Closer" or "Send Further" commands to re-order the buttons or fields, the relationship will be lost when the stack is processed by HyperMover	Kevin Flynn
Oct 91	7.67	Chaos in the Laboratory / The MultiPurpose Lab Distributor/Column: Vernier Software Key Terms: AD Subject: education / science Notes: a series of electronics projects that can be performed using the Apple II game port / a 12-bit analog-to-digital interface that allows the collection of information from a wide range of sensors Price: \$26 (with disk) / \$290	
Oct 91	7.67	Barney Stone is retiring DB Master from the Apple II world Distributor/Column: Stone Edge Technologies Key Terms: AddressEase Subject: data management Notes: remaining copies are \$100 plus \$5 shipping	
Oct 91	7.67	8/16-Central to cease Subject: magazine Notes: GS+ will fulfill the remaining issues Editor Jay Jennings will move to A2-Central	
Oct 91	7.68	32-bit Apple II? Key Terms: 65832, Nintendo Subject: computer Notes: it's doubtful we'll see a 32-bit incarnation of the Apple II	Maj. Carl E. Bergsagel
Oct 91	7.68	PostScript transportation Subject: technique Notes: use AppleWorks GS to print a file, download it to a 386 clone, and send it to a Laserwriter	Daryl Morgan
Oct 91	7.68	June cartoon secrets Subject: cartoon Notes: the Gumby User Interface	Philip A. Tyler
Oct 91	7.68	DOS 3.3 "find"? Key Terms: Jim Hammond Subject: utility Notes: new address for FastData	Alan G. Hill
Oct 91	7.69	Resolute graphic problems Subject: technical / graphics Notes: a program to test double hi-res graphics	Donald Drews
Oct 91	7.69	High drives Key Terms: proprietary Subject: disk drive Notes: why external Apple 3.5 drives are so expensive	David E. James
Oct 91	7.69	Program Solutions Key Terms: stock market Subject: investing Notes: calculating and graphing moving averages System: AppleWorks GS	Adolf Brandt
Oct 91	7.70	Disk space forecasts Subject: utility Notes: wants to identify the amount of storage for all programs in a given directory plus all subdirectories thereof	J.D. Holdeman

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Oct 91	7.70	Binary II and AppleWorks GS Subject: tip Notes: AppleWorks GS won't automatically unpack Binary II files "on the fly" unless you use the special "Receive Binary II" item on the Transfer menu	David C. Frye
Oct 91	7.71	Hard time with hard drive Subject: hardware / technical Notes: Seagate drive tend to be a bit noisy	Quentin Packard
Oct 91	7.71	Words of praise Key Terms: Alan Bird Subject: scanner / OCR Notes: kudos to the Quickie scanner and InWords a beautiful experience with the Apple IIgs	Peter Zechner (Germany)
Oct 91	7.71	Good news from abroad Subject: war story Notes: Apple II survives war and pillage	Bruce Parry (Kuwait)
Oct 91	7.71	More SuperWorks comments Distributor/Column: Remarkable Technologies Subject: integrated software Notes: concerned about Apple's and Claris's willingness to let SuperWorks improve or even exist / a personal decision to buy MS-DOS instead of Macintosh	William R. Postman, Jr.
Oct 91	7.72	IIE Card update Subject: emulation Notes: AppleWorks 3.0 and TimeOut works with Apple IIE Card problems trying to print from the Mac LC using AppleWorks 3.0 onto a HP DeskWriter System: Mac LC	A.J. Sherwood / R.F. Chatte
Oct 91	7.72	Blank screen Subject: technique Notes: blanking the screen and border on the IIgs	Joe Douglas
Oct 91	ins	HyperCard IIgs / HyperStudio Halloween Special Subject: new products Notes: with one-year subscription to Script-Central or Studio City Price: \$79 (offer expires 10/31/91)	
Nov 91	7.73	HyperStudio 3.0 preview Distributor/Column: Roger Wagner Publishing Key Terms: SoundShop Subject: multimedia Notes: many new features: group objects, editable buttons, digitized sounds, screen transitions, scripting language, text item, enhanced paint	rb Jay Jennings
Nov 91	7.76	Mac LC's IIE card improves (IIE Card Software Version 2.0) Distributor/Column: Apple Subject: emulation Notes: improved compatibility with third-party printers, adds support for using hard disk drives and AppleShare network volumes attached to the host LC System: Mac LC	rb Dennis Doms
Nov 91	7.76	Worrying About the Apple II -- A Psychic Energy Drain Subject: support Notes: it's time we stop whining about what Apple does or doesn't do with the Apple II line	by Jay Jennings
Nov 91	7.77	Dealers vs User Groups Subject: support Notes: since most dealers have elected to drop support for the Apple II, user groups are more important than ever	by Jay Jennings
Nov 91	7.77	Graphic Exchange Library Disk #1 Distributor/Column: Roger Wagner Publishing Subject: graphics Notes: adds several new translators Price: \$30	

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Nov 91	7.77	public domain fonts for the IIGs, TimeOut SuperFonts, or Publish-It Subject: fonts Price: \$6	Stuart Goldman
Nov 91	7.77	AppleWorks 3.0 to French Conversion Distributor/Column: JEM Software Subject: foreign Notes: translates all text messages to French Price: \$50	Lurot, Daniel
Nov 91	7.77	WriteWorks Distributor/Column: Husky Blue Software Subject: writing Notes: a writing automation system that works within AppleWorks System: AppleWorks Price: \$40	Hopkins, John
Nov 91	7.77	A message from the publisher Key Terms: 8/16 Central, Ellen Rosenberg Subject: news Notes: subscription prices will be increased on January 1, 1992 Jay Jennings named editor of A2-Central, but lured away by SoftDisk Ellen Rosenberg takes over	Tom Weishaar
Nov 91	7.78	Whiner-Central? Subject: computer Notes: let's exchange some of our fun and successes and go easy on the diatribes	W. Henry Linton
Nov 91	7.78	Mac vs IIGs: Software Wars Subject: software Notes: the main reason you won't see a lot of Mac to IIGs ports is financial, not technical	Herbert Olnick
Nov 91	7.78	It's a smart OS Subject: technical Notes: how GS/OS allows lowercase names	Barry Austern / JIJ
Nov 91	7.78	Harder than it sounds Key Terms: left brain, MultiFinder, System 7, decaf, HyperStudio Subject: technique Notes: how to get sounds into HyperCard	Dan Demaggio / JIJ
Nov 91	7.79	Serial switching Subject: hardware Notes: changing between communications and printing on the Super Serial Card	E.A. Smith / DJD
Nov 91	7.79	Printer quality and 5.0.x Key Terms: Harmonie Subject: printing / support Notes: getting a noticeable decline in quality under System 5.0.3 than 5.0.2	Jack Clay / DJD
Nov 91	7.80	E-Mail Security Subject: security / magazine Notes: argues that the U.S. Postal Service should be used as a model for E-Mail and privacy / looking for a A2-Central-like publication about MS-DOS	Frank Shaw / JIJ
Nov 91	7.80	Chip Request Subject: hardware Notes: wants the numbers of the three buffer chips that go in the Street Electronics Business Card	Mike Saathoff
Nov 91	7.80	80/40 switching switching Subject: technique Notes: switching the 80-column card from assembly language without unhooking ProDOS	G. Steinbach / JIJ

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Nov 91	7.80	High-density identity Subject: tip Notes: telling the difference between regular and high-density disks	Bill Materse
Nov 91	7.80	It's the money, honey Key Terms: Sierra Subject: industry Notes: Ken Williams wrongly states that the IIgs has been discontinued	David Mitchell
Nov 91	ins	System 6.0 updates / hard drive prices fall / subscription prices r Subject: new products Notes: 8/16 Central full set / Beagle Draw / ProLine BBS / ModemWorks	
Dec 91	7.81	Imagination rules the world Key Terms: Dan and Mike Zeller, Olaf Lubeck, Bill Budge, Silar Warner Subject: gaming Notes: tracking down Apple II game authors / future games for the Apple II Big Red Computer Club is an outlet for over 100 Apple II games SoftDisk / ReliefWare (Ken Franklin) / Eamon / Greenstone and Triplett (Pangea Software) / Pirates, Arkanoid II, Milestones 2000 / shareware	Jay Jennings
Dec 91	7.83	John Sculley donates farmhouse in Wyeth's painting Distributor/Column: Miscellanea Subject: news Notes: Apple drops operating expenses by 6.1%, reports earnings of \$81.2 million / Alliance International formed to promote the use of the Apple II in home, business, and education / online controversy is ongoing on Compuserve and Prodigy	
Dec 91	7.83	ProTERM 3.0 Distributor/Column: Insync Software Subject: communications Notes: new and expanded features including Zmodem	Cline, Jerry
Dec 91	7.83	Seven Hills Update Subject: new products Notes: upgrade to GraphicWriter III, update of Font Factory GS, Formulate (math editor), Shoebox (HyperCard household management), laser printer labels	
Dec 91	7.84	Performing input without BASIC.System parsing Subject: technique Notes: the solution is to steal the zero page character I/O while your input routine is running	DJD
Dec 91	7.84	Correction little Subject: communications Notes: there is a renaming convention built into Binary II	Jim Luther
Dec 91	7.84	Kudos and kwestions Key Terms: Script-Central Subject: technique Notes: how to print (condensed) an entire field the workaround is to write your own printing routines with "Scripter's Tools" System: HyperCard IIgs	W. Ogden / DJD
Dec 91	7.85	Hand-in-hand Subject: networking Notes: suggested ports to be used for connecting Macintosh LC with IIgs via AppleShare System: Mac LC	DuBose Medlock
Dec 91	7.85	MouseDroppings Subject: troubleshooting Notes: programs hang with mouse active / basic recommendations in trying to locate the source of a problem	Gary Sonnenberg

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Dec 91	7.86	Seagate sufferings Subject: hard disk Notes: more problems with Seagate hard drives	Jack Taylor
Dec 91	7.86	Not for education only Subject: application Notes: uses Apple IIc for keeping high school football stats and also for genealogy	W.G. Worden
Dec 91	7.86	Surreal wizardry Subject: technique Notes: resources for programming the Super Serial Card in assembly language	Brad Albing
Dec 91	7.87	Disk space forecasts revisited Subject: utility Notes: can use "Information Book" from ProSel	James Davis
Dec 91	7.87	Stock solution Subject: investing Notes: a Logo program to graph moving averages / Stocker, a fairly complete stock market analysis program (shareware by Gary M. DeLong)	Stanley Robinson / DeLong,
Dec 91	7.87	CD-ROM/laser DISCussion Subject: CD ROM Notes: what's the difference between laser discs and CD-ROMs and what are their capabilities?	P.M. Lim
Dec 91	7.87	Live With It Distributor/Column: Apple Subject: support Notes: the future of the Apple II is squarely in the hands of the user (not Apple Computer Inc.)	Bill Calhoun
Dec 91	7.88	Network nuisances Subject: networks Notes: problems with AppleWorks, UltraMacros, PC Transporter running on AppleShare	Aart Spaans
Dec 91	7.88	Hamming it up Distributor/Column: Chuck Galfo Subject: ham radio Notes: Where is Chuck Galfo and is there current ham software available for the Apple II?	Bill Currie
Dec 91	7.88	False (not really) advertising Distributor/Column: Stuart Goldman Subject: software Notes: the cost of this extremely professional sample printout is a bargain Price: \$6	Randy Chevrier
Dec 91	ins	HowardSoft Tax Preparer Subject: tax Notes: started in the Apple II market in 1979 and is still supporting its Apple II customers Price: \$199	
Dec 91	ins	GraphicWriter III / Font Factory GS / Graphic Exchange Library Disk Subject: new products Notes: hard drive prices fall / System 6.0 updates / subscription prices rise	
Jan 92	7.89	Celebrating 15 years of Apples Key Terms: Chet Day Subject: experience Notes: Genie subscribers describe their uses of the Apple II: Ken Taggart, John Hopkins, Ross McIntosh, Kirk Hollingsworth, Lloyd Devries, Udo Huth, Kelly Gray, Dave Rogers, Scott Alfter, Harry Jessen, Steve Weyhrich, Bill Heineman, Art Coughlin	by Ellen Rosenberg

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Jan 92	7.90	Designing educational software Subject: software design / education Notes: good educational software creates a positive chemistry between the child and the computer	Phil Shapiro
Jan 92	7.91	ProTERM 3.0 Distributor/Column: InSync Software Subject: communications Notes: the program has been entirely rewritten, includes support of every popular file transfer protocol, a brand new interface, an astonishing scripting language, improved editor, new terminal emulations, and a very detailed new manual System: 128K Price: \$130 (updates are \$45.50)	rb Dean Esmay
Jan 92	7.91	Proterm macros boosted Subject: communications Notes: ProTERM 3.0's macro language can automate every single part of ProTERM	by Barry Hatchett, Ph.D.
Jan 92	7.92	Bill Budge and Nasir Gabelli located Distributor/Column: Miscellanea Subject: news Notes: software upgrades / VIP Professional resurfaces / GS+ toll-free line SoftDisk is recycling used diskettes / suggestions for your first personal computer / SoundConvert / Pointless / RAMFast SCSI upgrade TaxSmith, Mr. Mortgage, 1040Works, 1040Works Tax Planner, HowardSoft Forever stops here?, new Apple II under development?	
Jan 92	7.94	Bypass surgery Key Terms: Aristotle Subject: networking Notes: 6.0 will allow bypassing GS/OS which takes 10 to 15 minutes to boot into the network / return to the program selector by using the BYE command System: AppleTalk	John G. Thomas / DJD
Jan 92	7.94	CD-ROM, CD-HAM Subject: CD-ROM Notes: wants to use MS-DOS CD-ROM drive with Apple II Amateur Radio Callbook might list Chuck Gaifo	Kenneth Mitchell
Jan 92	7.94	CD-ROM, cont. Key Terms: Sony CDU-8001 Subject: CD-ROM Notes: Macintosh CD-ROMs will work with IIGs, but very slowly / Generous Efforts of Many CD of public domain and demo software	Jeff Smith (Price Busters)
Jan 92	7.94	Happy Feat Subject: experience "I can do just about anything I need in my activities" / the business customer can live just fine with an 8088, Mac Plus or IIE / the joy of exploration is just as much in terms of pleasure as a high powered machine	Herb Lipson / Vern Mastel /
Jan 92	7.95	Word from New Zealand Subject: word processing Notes: slow searching through the AWGS data base / Fulltext.Pro.80 has become the standard Apple II word processor for New Zealand System: AppleWorks GS	C.A. Wright
Jan 92	7.95	Driving Miss Daisy Subject: disk drive / technical Notes: UniDisk 3.5 won't work on the same controller as AMR drive	J.W. Faulkner
Jan 92	7.95	(Word)perfect processing Subject: word processor Notes: Wordperfect seems to have problems with GS/OS	W.A. MacDonald

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Jan 92	7.96	Taming a turbo mouse Subject: mouse Notes: unable to make Kensington Turbo Mouse Plus work with Apple IIc	Peter Schaper
Jan 92	7.95	Frankly fonts Subject: fonts Notes: to use fonts on ImageWriter II, try Power Print, SuperFonts, or Publish-It!	Tom Galway / DJD
Jan 92	7.96	Developing aspirations Key Terms: Don Lancaster Subject: software publishing Notes: looking for suppliers of disks, bags, mailing envelopes, disk labeling program / GS allows access to both old Applesoft programs and the newest HyperStudio productions / running laserdisk players from HyperCard IIgs	Martin F. Schmidt, Jr.
Jan 92	7.96	In search of.... Softweigh Subject: science equipment Notes: looking for support of card that allows Mettler balance to be interfaced to Apple II	J. Joel Sieh
Jan 92	7.96	Bug bytes Subject: bug Notes: using tabs with full justification plays havoc / problems using DOS commands in 80-column mode System: AppleWorks 3.0	David Steele / DJD
Jan 92	ins	Desktop Enhancer / Salvation Supreme Subject: new products Notes: CVTech GS-Memory / Seikosha SP-2000AP Dot Matrix Printer System 6.0 Updates (for A2-Central On Disk subscribers)	
Feb 92	8.1	What's new in System 6 Distributor/Column: Apple Key Terms: laser disc, CD, TAB Subject: operating system Notes: Teach, Archive, sythLAB, MIDI Synth toolset, Media Control Toolset, Universal Access suite: Video Keyboard, MouseKeys, Sticky Keys, CloseView; File System Translators, Control Panels: SetStart, Media Control, Name, AppleShare, Time, General; Shortcuts, Installer, the System: GS	by Tim Swihart
Feb 92	8.6	Resource-Central becomes new home of APDA development tools Distributor/Column: Miscellanea Subject: news Notes: Proline (BBS software) available for \$99.00 (until 2/4/92) Bill Gates may be the richest man in America, but Apple may win lawsuit against Microsoft / Grace Hopper passes away AppleCare special promotion / French version of Ultimate Fonts	
Feb 92	8.6	Disk Tools Distributor/Column: Office Productivity Software Key Terms: LZW/1, LZW/2 Subject: backup software Notes: TO.Volume Backup makes a full volume backup TO.File Backup makes an incremental backup TO.Archive handles NuFX archive files System: AppleWorks 3.0	
Feb 92	8.6	I've got the time.... Subject: patch Notes: patch to correct the year reported by ProDOS System: ProDOS 1.7, 1.8, 1.9 (not needed on GS)	Edward Girard / TW
Feb 92	8.7	Calling it quits Key Terms: ProSel Subject: technical Notes: using the ProDOS Quit Call to exercise different options	John Wolff / DJD

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Feb 92	8.7	(Word)Perfect Answer Subject: word processor Notes: Word Perfect GS version 2.1e and 2.1f are both compatible with GS/OS 5.04, but the keyboard option should be set to none instead of standard System: GS	Eric A. Seiden
Feb 92	8.7	Party Animals Subject: computer Notes: consultant tells of 91 year old gentleman who writes Applesoft programs on a Mac LC to help his teacher daughter (and other "impossible" feats) / "I will use other machines, but I'll always show off my Apple IIgs"	Jim Low / Ken (ReliefWare)
Feb 92	8.7	Icons and inter-connections Key Terms: Xtnd, "rich text" format Subject: technique Notes: creating Finder icons; connecting Mac, Apple IIGS, and LaserWriter; transferring text and graphics between Apple II and Macintosh	Richard Katz / DJD, Lunatic
Feb 92	ins	Index to Volume 7 Subject: index	
Mar 92	8.09	Finder Fever Distributor/Column: Apple Key Terms: SendRequest and AcceptRequests codes, EasyMount, Randy Brandt Subject: systems software Notes: the many changes undergone in Finder 6.0: About box, help system, key combinations, Clean Up, "impossible drag" fix, fast open, Finder Preferences, Icon Info, scrolling, low-memory handling, JudgeName, icon usage, Inter-Application Communication (IAC) or Finder Extensions System: GS	by Andy Nicholas
Mar 92	8.12	Failing Grades II Subject: industry Notes: Tom rebuts John C. Dvorak's blame of the Apple II in the U.S. educational system -- the Apple II has some significant advantages for educators	by Tom Weishaar
Mar 92	8.13	SuperDrive exists (as "Apple II 3.5 Controller Card") Distributor/Column: Miscellanea Key Terms: Apple Expo East Subject: news Notes: Bo Monroe isolates HyperStudio 3.0 bug (13 character volume name limit) / Sequential Systems is now selling and servicing the Chinook line, Q-System GS+ allows non-networked computers access to networked printers / Alliance International campaigns for Apple II postage stamp / shortage of High-speed SCSI Cards / AppleWorks Educator special offer	
Mar 92	8.14	Easier answer? (not) Subject: technical Notes: "Rich Text Format" is an evolving format for expressing text attributes in the form of a vanilla ASCII file that other programs can decide to support for importing and exporting text / why use TimeOut PowerPack's AWP.TO.TXT instead of the AppleWorks print to text file	Terrell Smith / DJD
Mar 92	8.15	Fun Stuff Key Terms: copyright Subject: technique Notes: making Winston Churchill "speak"	Henry Linton
Mar 92	8.15	Floating slots Subject: hardware Notes: yes, you can stick the Floating Point Engine in slot 3	Billy Boehme / DJD
Mar 92	8.15	Blankered out Subject: utility Notes: implementing a screen blanker in Applesoft	Vern Mastel

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Mar 92	8.15	Basic training Subject: technique Notes: techniques for moving variables/programs to prevent interference with the graphics screen	Richard Wilson / DJD
Mar 92	8.16	Tips for Texas II Key Terms: GEnie Subject: support Notes: how to find support for your Beagle Bros products: be online, know your Beagle Buddy, NAUG, TimeOut-Central, The AppleWorks Educator, TI&IE, AND Kingwood	Beverly Cadieux
Mar 92	ins	Resource Central now carrying Apple's development tools Subject: new products Notes: A2-Central Summer Conference, Sound Convert, ShoeBox, AMR 5.25 Disk Drive, GS/OS System 6.0, A2-Central Volume 7, ModuNet Network Connectors; Compute Books Closeout: Compute!'s 2nd Book of Apple, Pushing AppleWorks to the Limit, Apple Machine Language for Beginners	
Apr 92	8.17	Programming is Simple Subject: tutorial Notes: an introduction to "SimpleScript" with HyperStudio 3.0: line order, variables, looping, debugging System: HyperStudio 3.0	by Jeff Smith
Apr 92	8.20	Science fiction theatre Subject: application Notes: Apple IIGS takes control of a house: answering machine, phone caller, break-in detector, optical sensor, water sensor, electronic door lock, biofeedback monitor, mailbox monitor, etc.	by Art Coughlin
Apr 92	8.22	Waiting for System 6 / Beagle telephone support is up again Distributor/Column: Miscellanea Subject: news Notes: HyperStudio bug squashed in version 3.1 / Desktop Enhancer update Medical Software Products Catalog	
Apr 92	8.22	1991 Apple II Achievement Awards nominees Key Terms: Salvation, GSbug, GNO/ME, ORCA/M, Talking Tools, Accudraw Floor Plan Subject: software / awards Notes: Milestones 2000, Nifty List, Shrinkit GS, SuperView, UtilityWorks GS; GeoQuiz, HyperCard IIGs, HyperStudio 3.0, McGee at the Fun Fair; Delta Drawing Today, InWords, ProTERM 3.0, PublishIt! 4, Total Control; DreamGraphix, GraphicWriter III, SuperConvert, Pointless, System 6.0, HyperBole, Media Control Tool, Script Central, Finder 6.0, ProSel 16,	
Apr 92	8.23	Apple II Achievement Awards Subject: publication / online service Notes: A2-Central, A+/Incider, GS+ Magazine, Nibble Magazine, Script-Central; America Online, CompuServe, Delphi, GEnie, The Internet	
Apr 92	8.23	The celebration continues Subject: experience Notes: after meeting the Apple II in the fifth grade, college student remains loyal to the Apple / writes The Dragon, a Shanghai clone	Curt Clifton
Apr 92	8.23	CD-ROM access Subject: CD-ROM Notes: reading IBM CD-ROM disks on an Apple IIGs	Stephen P. Hartz D.V.M / Na
Apr 92	8.24	Apple II support Subject: support Notes: the mission of The Alliance is to promote and advance the use of the Apple II computer in home, business, education, and other markets	The Alliance International
Apr 92	ins	Celebrating 15 years of Apple II computing Key Terms: KansasFest Subject: conference Notes: the fourth annual A2-Central Summer Conference	

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Apr 92	ins	Pointless / DreamGraphix Distributor/Column: New Stuff Subject: new products Notes: Planning and Managing Appletalk Networks (book) ModuNet Network Connectors / GS/OS System 6 (not released yet) upcoming: GS/OS System 6 Boxed Set, GS/OS Golden Master CD-ROM; Your Money Matters	
May 92	8.25	AppleShare connectivity Distributor/Column: Apple Key Terms: AppleTalk, LocalTalk, server Subject: network Notes: the release of System 7 allows the Mac to serve as a "common file storage area" for other computers / Apple II Workstation Card, PhoneNet PC Card / configuring printers / preparing Macintosh, PC, Apple IIe, and Apple IIGS (with System 6.0) workstations	by Dennis Doms
May 92	8.30	System 6 installation tips Distributor/Column: Apple Subject: operating system Notes: installing with Vulcan hard drive, AE high density 3.5 drive, RAMFast SCSI card, AMR 3.5 drive / "Easy Update" problems, mouse cursor and CloseView problems, Easy Update Customize, changing yellow folders, leading wildcard file names require uppercase letters, Shortcuts file	Dave Lyons
May 92	8.30	HyperCard IIgs 1.1 Distributor/Column: Apple Subject: multimedia Notes: update has increased speed and capabilities System: GS Price: \$21 (update)	
May 92	8.30	Apple II Achievement Awards / People's Choice Awards Distributor/Column: Apple Subject: software Notes: ShrinkitGS, HyperStudio 3.0, ProTERM 3.0, HyperCard IIgs, ProSel-16, Pointless, GSbug, A2-Central, GENie, America Online, Alan Bird, Tom Weishaar, Andy Nicholas / System 6.0, NiftyList, Rez, DeRez, Joe Kohn, Ken Franklin	announced by Matt Deatherag
May 92	8.31	Beagle Bros support Subject: support Notes: Beagle Bros has now contracted with Quality Computers to distribute, sell, and provide technical support for all of Beagle Bros Apple II products	
May 92	8.31	Apple Computer stock jumps Key Terms: Solomon Brothers Subject: news Notes: rose 2 points on March 24, the day System 6.0 was announced for release	
May 92	8.31	Swihart speaks Key Terms: random access files Subject: technical Notes: contrary to Dennis, according to the HCGS Script Language Guide, you can read from file at "startposition" System: HyperCard GS	Tim Swihart
May 92	8.31	Pointing to Pointless Distributor/Column: Westcode Subject: printer driver Notes: two readers praise this product	Don Lindhorst / Thomas Smit
May 92	8.32	Inkjet cartridge relief Key Terms: Egghead, Visible Computer Supplies, BrightDot Solutions Subject: printer cartridge Notes: 4 things to cut down the cost of replacement cartridges: discount stores, high capacity cartridge, do-it-yourself refills, refill services System: HP Deskjet	Constance Graves

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May 92	8.32	Spurious returns Subject: tip Notes: you can get rid of spurious carriage returns when printing to a text file by putting a New Page printer option before the split paragraph	Christopher Madsen
May 92	8.32	Drivers Education Subject: printer driver Notes: having problems with Harmonie and Independence printing pages after the first page in extra large type System: Abaton LaserScript-LX	Dale Barker
May 92	8.32	Testing lab without mice Subject: science Notes: the Apple IIe is the best test lab computer available / How to Build a Better Mousetrap and Chaos in the Laboratory (by David Vernier of Vernier Software) contain 14 experiments for laboratory interfacing via the Apple II game port	Ben Barnett
May 92	8.32	Turbo mouse revisited Subject: hardware Notes: Turbo Mouse ADB will hook up to Apple IIc, but won't work / the Kensington Turbo Mouse (not currently available) works with Apple IIc (but perhaps not the IIc Plus) System: IIc	Ross McIntosh / William Bre
May 92	ins	The A2-Central Summer Conference Subject: conference Notes: Two-day colleges, KansasFest, Apple Central Expo	
May 92	ins	Express / Formulate / HyperCard v1.1 / System 6 / Apple II Guide Subject: new products Notes: printer spooler / create complicated mathematical formulas for printouts / HyperCard upgrade / System 6 (APDA version) now shipping / 200 pages of articles, success stories, and information resources	
Jun 92	8.25	Pointless Distributor/Column: Westcode Software Subject: printer utility Notes: a GS/OS CDev that enhances the IIgs Font Manager to recognize and use fonts designed with Apple's scalable TrueType font technology System: GS Price: \$80	rb Dennis Doms
Jun 92	8.26	Express Distributor/Column: Seven Hills Software Subject: print spooler Notes: output from a program is "printed" ("spooled") into a file for storage until the printer is ready to accept it System: GS Price: \$40	rb Dennis Doms
Jun 92	8.27	Formulate Distributor/Column: Seven Hills Software Subject: math / desktop publishing Notes: essentially a typesetting system designed for the creation of mathematical expressions System: GS Price: \$50	rb Dennis Doms
Jun 92	8.28	Marketing Educational Software Key Terms: R.R. Bowker, Only The Best Subject: marketing Notes: the first step in marketing any type of software is to get it reviewed and evaluated / addresses to send evaluation copies to are listed	by Phil Shapiro
Jun 92	8.30	Apple II Alliance advertising Subject: support Notes: placing ads in Mother Jones, Discover, Sports Afield, The Atlantic, Electronic Musician, CQ, National Review	

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Jun 92	8.30	Kula Index Distributor/Column: Kula Software Subject: index Notes: series of AppleWorks database files covering articles and reviews from the major Apple II publications Price: \$9	
Jun 92	8.30	The Road Apple Subject: newsletter Notes: informational articles with an irreverent sense of humor Price: \$10.20	published by Al Martin
Jun 92	8.30	Star Control II sound contest Subject: contest Notes: are looking for digitized sounds in Amiga MOD format to use in their new game	Paul Reich and Fred Ford
Jun 92	8.30	Proline 2.0 / ModemWorks 3.0 Distributor/Column: Morgan Davis Group Key Terms: BBS Subject: telecommunications / bulletin board software Notes: new releases of software: also ModemWorks Lite 3.0, ModemWorks Technical Reference, Proline Reference Manual, Object Module Manager, VirusMD2.1, MD-Basic 1.5 Interface Update	
Jun 92	8.30	Basically, a problem Subject: programming language Notes: POKE 41859 gives an error with BASIC.SYSTEM on System 6	Abram M. Plum
Jun 92	8.30	In search of... Subject: utility Notes: Attach Tools Disk to access the UniDisk 3.5 from Pascal can be found in the Apple Pascal 1.3 package available from Resource Central	Alex van de Ven
Jun 92	8.30	More celebrating Key Terms: Apple II 15th Anniversary T-Shirt Subject: technology Notes: user of Beta recorder, LP player, and Volkswagen Beetle also uses an Apple II	
Jun 92	8.30	Failing Insecure Subject: education / security Notes: one additional reason to purchase Apple IIe's over other choices: security	Paul Leach
Jun 92	8.31	Incredible Subject: printer Notes: AppleWorks GS and the Personal LaserWriter NT are a great combination for newsletters, etc.	Dennis Fay
Jun 92	8.31	Multiple question Subject: printing Notes: AppleWriter on the GS will hang when trying to print through the IIgs printer port (patch available from Don Lancaster) / StyleWriter not compatible from ProDOS 8; GS System 6 contains a somewhat restricted StyleWriter printer driver	James Murphy
Jun 92	8.31	Don't interrupt Subject: hardware error Notes: sound interrupt error (08FF) might be cured by cleaning and reseating the Ensoniq chip System: GS	Robert Burger
Jun 92	8.31	Superscript satisfaction Subject: printing Notes: there are two ways printers can do subscripts and superscripts / if you tell AppleWorks you have an original ImageWriter, you get "platen rolled" sub- and superscripts; if you tell it you have an ImageWriter II, you get the scrunched ones	Robert Hall / TW

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Jun 92	8.32	European Connection Subject: support Notes: The European GS Project will try to get Apple IIgs software and hardware to European IIgs owners faster and at less cost to the Europeans	John Majka
Jun 92	8.32	It's alarming Subject: incompatibility Notes: HyperCard IIgs locks up with AlarmClock.NDA present	Fred Greatorex
Jun 92	8.32	LaserWorks Subject: printer Notes: GS/OS LaserWriter driver will work with any true PostScript printer	Eddie Clark
Jun 92	8.32	Optical mark reader probs Subject: technical Notes: sending an ASCII 127 code to the serial interface from Applesoft	Barry Lumpkin / TW
Jun 92	ins	DB Pix / ProTERM 3.0 / System 6 CD ROM / Apple II Guide Subject: new products Notes: GraphicWriter III Special / Micro Advanced BASIC for the IIgs AE 3.5" Drive / Big Red Classics: Cartooners, Mixed-Up Mother Goose, Life & Death, Mavis Beacon Typing Tutor, Shanghai, Yeager's Flight Trainer, Zork Trilogy, Pinball Construction Set, Adventure Construction Set / A2-Central Summer Conference	
