

Apple-Works **F** o r u m

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TABLE OF CONTENTS

Letters to NAUG	2	Advanced Techniques	22
<ul style="list-style-type: none">• Zip replacing defective chips.• Don't lock AppleWorks.• Patched AW 3.0 tabs won't work.• French AppleWorks and TimeOut.• AppleWorks "Down Under".• Counting words in AppleWorks 3.0.• User converts data tapes to AppleWorks.• Problems patching AppleWorks.• AppleWorks 3.0 file compatibility.• Amateur radio and AppleWorks.		<ul style="list-style-type: none">• Ten patches that customize AppleWorks 3.0.	
Software Review	7	AppleWorks News	27
<ul style="list-style-type: none">• AppleWorks GS version 1.1 is robust and powerful.• Launch times for AppleWorks GS.		<ul style="list-style-type: none">• Late news about ten AppleWorks products.	
Quick Tip	11	Public Domain Update	29
<ul style="list-style-type: none">• How to get better text display on your word processor screen.		<ul style="list-style-type: none">• The latest additions to NAUG's library.	
Novice Notes	13	Beagle Bros Update	30
<ul style="list-style-type: none">• How to prepare your first spreadsheet—Part 2.		<ul style="list-style-type: none">• Beagle Bros announces TextTools and MacroEase.	
Bulletin Board Update	18	Data Base Tips	32
<ul style="list-style-type: none">• NAUG's new bulletin board system.		<ul style="list-style-type: none">• How to copy records between files with AppleWorks 3.0.	
Special Offers	19	My Favorite Macro	33
<ul style="list-style-type: none">• Special discount prices available to NAUG members.		<ul style="list-style-type: none">• Macros that expand and shrink spreadsheet columns.	
		Members Helping Members	34
		<ul style="list-style-type: none">• More than 90 members who offer help with AppleWorks utilities.	
		Electronic Index Disk Update	35
		NAUG Classifieds	36

Support for AppleWorks and ///EZ Pieces Users

Zip Replacing Defective Chips

Dear NAUG,

Zip Technology has admittedly experienced difficulties in the past two years. Unfortunately, our customers were effected by our problems and deserve an explanation of what happened.

Zip Technology researched and developed the world's only memory caching accelerator chip for Apple II series computers—called the Zip Chip. Before we could even launch the product, our patented Zip Chip technology was taken and used in a competing product called the Rocket Chip. This motivated us to rush the Zip Chip to market before we were ready, causing delays in shipping initial orders. (We recently won a lawsuit against the makers of the Rocket Chip; their product is no longer available.)

Of the over 20,000 units we shipped, we discovered a problem with one large batch of chips in 1989. This forced us to stop production and shipments while we researched the problem and, at the same time, generated a sudden, unacceptably high rate of returns. (We found the problem in a sub-component manufactured by a contractor.)

We could not supply replacement chips and we compounded our difficulties by miscalculating the length of time needed to solve the problem. As a result, the delivery dates we set had to be constantly updated, causing inaccurate communication with our customers. I take full responsibility for this problem and apologize for the tremendous inconvenience this caused our customers.

After four months of no shipments or revenue, Zip Technology began filling a huge backlog of RMAs and orders. Production and shipping was as rapid as possible, but after the delays, it just wasn't fast enough.

The **National AppleWorks Users Group (NAUG)** is an association that supports AppleWorks users. NAUG provides technical support and information about AppleWorks and enhancements to that program. Our primary means of communicating with members is through the monthly newsletter entitled the **AppleWorks Forum**.

To date, all of our upgrades to 8 megahertz Zip Chips and RMA replacements have been shipped. If your problem has not been solved, please contact our Customer Service Department at (213) 337-1313 or send us fax at (213) 337-9337.

Again, I apologize to all Zip Chip customers who were inconvenienced by our company's problems and commit Zip Technology to providing you with the high level of service you deserve.

Richard L. Stivers, President
Zip Technology

[Ed: NAUG has received numerous reports from members who recently received replacements for the defective chips they returned to Zip within the past year. While we do not condone the company's business practices, we commend Zip for not pursuing legal remedies that would let them avoid replacing the large number of defective chips that found their way to customers.]

We believe that Zip is sincere in trying to satisfy all owners of defective chips. If you have not received a replacement, please contact Zip now. Also, please send NAUG a copy of any correspondence with Zip so we can continue to monitor this problem in the best interest of our members.]

Don't Lock AppleWorks

Dear NAUG:

I run AppleWorks from a hard disk and was concerned that I might someday inadvertently erase the program from the disk. So I used TimeOut File-Master and locked the AppleWorks program files.

Want to know what I learned? Don't do it! When you launch AppleWorks you will get the message "AppleWorks disk must be in Drive 1 and unprotected" and AppleWorks will not load. When I unlocked the files, AppleWorks ran normally.

Harold Homrighausen
Paola, Kansas

Patched AW 3.0 Tabs Won't Work

Dear Cathy,

Now that I patched my copy of AppleWorks with the AW 3.0 Companion, I'm having a problem with the tab system. Everything works fine when I use the tabs at home, but when I take my disks to school, the decimal, center, and right tabs do not line up properly on the screen or when I print. How can I solve this problem?

Erina Sullivan
Marquette, Michigan

[Ed: Apparently you used the AW 3.0 Companion patch that lets you change the characters AppleWorks uses to indicate left, right, center, and decimal tabs in the tab ruler line.]

AppleWorks stores each tab ruler right in the data file, and your tab rulers now include non-standard characters to designate the different tabs. Since the AW 3.0 Companion patched your copy of AppleWorks to recognize those characters, your data files work correctly on your computer at home.

However, you did not patch the program disks at school, and those copies of AppleWorks still look for the original tab indicators. Your data files have different characters in the tab ruler lines, and the copies of AppleWorks at school do not recognize those characters. As a result, the computers at school cannot manage the files you created at home.

You probably also noticed that your patched copy of AppleWorks at home will not correctly handle tabs in the files created at school. The tab rulers in those files have the original designators which are no longer recognized by your patched copy of AppleWorks.

Version 1.2 of the AW 3.0 Companion includes Mr. Ruler, a TimeOut module that solves this problem. Mr. Ruler converts the non-standard ruler in your AppleWorks data files into the standard AppleWorks ruler. Thus, Mr. Ruler lets you convert your word processor files into standard format. The module also converts standard files into your customized format, so you can read those files on your copy of AppleWorks.

French AppleWorks and TimeOut

Dear Cathleen,

Thanks to the talent of programmer Daniel Lurot, there is now a French version of Randy Brandt's UltraMacros 3.1 and a program that transforms a regular USA AppleWorks 3.0 disk into a full-fledged French-language AppleWorks.

By "full-fledged", I mean that all the AppleWorks prompts are in French, that all Open-Apple commands are the same as the last official French version (version 1.4, which is equivalent in functionality to the 2.0 USA version) and that the accent circonflexe (^) and "trema" (¨) are handled automatically when printing text. The French version retains all AppleWorks 3.0's features, except there is presently no French dictionary.

In addition, Lurot is about to introduce a French version of Dan Verkade's ReportWriter. The French ReportWriter disk will include versions for both French AppleWorks 1.4 and French version 3.0. That will be followed shortly by French SuperFonts 3.0 (which will also include the earlier French AppleWorks 1.4-compatible version of SuperFonts) and a French TimeOut Font Editor.

Prices for these products are as follows:

Package #1 includes French UltraMacros 3.1, UltraMacros for French AppleWorks 1.4, and the stand alone program to convert AppleWorks 3.0 to French: 900 FF; 820 FF for subscribers to POM's Magazine.

AppleWorks Forum

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Letters...

Package #2 includes French ReportWriter 3.0 and ReportWriter for French AppleWorks 1.4: 715 FF.

All prices include surface shipping and taxes. Air Mail shipment is available on request. Visa and MasterCard payments are accepted (and recommended).

Order from POM's - Edition MEV, 12 rue d'Anjou, 78000 Versailles, France.

Dimitri Geystor
Cruseilles, France

[Ed: The French versions of AppleWorks and TimeOut are of particular interest to Apple IIGs owners who can switch to the French keyboard and screen display from the Control Panel. Apple IIe and IIC owners have to change chips in their computers to display the French characters on the screen.]

For more information, see the article entitled "How to Use AppleWorks in Foreign Languages" in the May 1988 issue of the AppleWorks Forum.]

AppleWorks Down Under "Down Under"

Dear Cathy,

I live in a small dairy community with a population of 500 in the northeast corner of Tasmania, the small island down under "down under". The nearest Apple dealer is about 1.5 hours away, so I am generally starved for information about my system. I run a 1.25-megabyte Apple IIGs with a Trans-Warp GS Accelerator Card and a good collection of software.

Are there any fellow NAUG members who would like to correspond and help keep me informed about what is going on in the States?

Brian Lipscomb
Main Road
Legerwood 7261
Tasmania, Australia

Counting Words in AppleWorks 3.0

Dear NAUG:

Your reply to a letter on page 3 of the January 1990 issue of the *AppleWorks Forum* describes how to use the spelling checker in AppleWorks 3.0 to count the number of words in a document. Here are two additional suggestions:

1. The spelling checker yields a word count only if you have a misspelled or duplicated word. To solve this problem, you should either duplicate a word or add a "non-word" such as "ZZZ" to the file.
2. If you try to count a document that contains many errors or is too large, AppleWorks 3.0 will count to its limits and stop. For example, I tested a 157K file with 22,345 words. AppleWorks 3.0 worked for a minute and a half, counted the first 8250 words, and stopped.

Word Count, on the TimeOut QuickSpell and DeskTools disks, is faster and works on any length document. For example, Word Count took 11 seconds to count the words in the 157K file. Note that you can even use the Word Count programs from earlier versions of QuickSpell and DeskTools with AppleWorks 3.0.

Marty Feldy
Springfield, Missouri

Converting 9-Track Tapes to AppleWorks

Dear Cathleen,

One of my business activities might be of interest to my fellow AppleWorks users. I convert data from a wide range of computer media (including 9-track magnetic tape, 3.5-inch, 5.25-inch, and 8-inch diskettes) into AppleWorks formatted files. For example, I can take data from the magnetic tapes provided by computerized scoring services and use that data to develop AppleWorks data base files.

Stephen H. Owades
1105 Massachusetts Avenue, 3-G
Cambridge, MA 02138; (617) 661-7798

Problems Patching AppleWorks

Dear Cathy,

I tried to install some of the patches described in the "How to Patch AppleWorks 3.0" article in the February issue of the *AppleWorks Forum*. However, things did not go well. BSAVE-ing the patch destroyed the file APLWORKS.SYSTEM which now shows as a 1K file on the disk. Did I do something wrong or was something omitted from the article?

Robert E. Daily
Alma, Michigan

[John Link responds: It sounds as if you used version 1.0 of BASIC.SYSTEM. Bugs in that version of BASIC cause problems when you issue a BSAVE command. These problems do not occur with BASIC versions 1.1, 1.2, or 1.4. (Don't use version 1.3. That short-lived version of BASIC also damages files when you BSAVE.) The version number appears at the top of the screen when you boot your computer with the BASIC disk we describe in the article.]

AppleWorks 3.0 File Compatibility

Dear NAUG,

I use AppleWorks 3.0 at home and AppleWorks 2.0 at school. Sometimes I can't load a file I created with AppleWorks 3.0 into the earlier version of AppleWorks even if the file does not contain any 3.0-specific features. Other files load without problems. What is going on?

Robert Ludwig
Chicago, Illinois

[Ed: When you use an AppleWorks 3.0-specific feature in the AppleWorks word processor or spreadsheet module, the program sets a "flag" in the header record in the file. Earlier versions of AppleWorks cannot interpret this flag; when you try to load that file into AppleWorks 2.0, the program generates an "Unable to read" message.

Unfortunately, deleting the 3.0-specific features does not reset the "flag", so even if you delete

these features, you can no longer read the file directly into earlier versions of AppleWorks. Just pressing the Tab Key once is enough to set the flag, even if you immediately delete the Tab marker.

Here is a work-around that lets you read your AppleWorks 3.0 files with earlier versions of AppleWorks:

- 1. Delete all the AppleWorks 3.0-specific commands from the file.*
- 2. Issue an Apple-C command and copy the entire document or spreadsheet onto the clipboard.*
- 3. Create a new word processor document or spreadsheet file.*
- 4. Issue another Apple-C command and copy the complete document from the clipboard into the new file.*
- 5. Issue an Apple-S command to save the new file on your disk.*

Since you did not use any of the new features of AppleWorks 3.0 in this file, your new file is now readable by all versions of AppleWorks.

Fortunately, file compatibility is not a problem with the data base module. Earlier versions of AppleWorks can read AppleWorks 3.0 data base files as long as you limit yourself to no more than eight report formats in the file.]

Amateur Radio and AppleWorks

Dear Cathy,

I use AppleWorks in my hobby as an amateur radio operator and would like to hear from my fellow NAUG members interested in amateur radio.

Ed Cushing
502 Gatewood Drive
Greenwood, South Carolina 29646

The TimeOut Series of AppleWorks Enhancements.



TimeOut Thesaurus: \$49.95

Find the perfect word to express your thoughts. Thesaurus, with its 45,000 word dictionary, displays synonyms and adds the replacement word right to your document with no typing.

TimeOut SuperFonts: \$69.95

Everybody will think you own a Mac when you print with SuperFonts! Print from AppleWorks with fancy fonts and graphics. Comes with 47 fonts and a free Paint program!

TimeOut Graph: \$89.95

Create ready-to-print graphs, complete with titles, borders, legends and more. Just choose one of the 9 graph types you want and it appears instantly. Also includes free Paint program.

TimeOut UltraMacros: \$59.95

Automate AppleWorks with this ultra-powerful program. Never retype repetitive information again. Record your keystrokes as you go, and then play them back — up to 4,000 at once!

TimeOut SideSpread: \$49.95

Print your Spreadsheet and Data Base files sideways — right inside AppleWorks! SideSpread can print all or part of your file in a wide variety of fonts and print qualities.

TimeOut SpreadTools: \$59.95

This collection is a must for every Spreadsheet user: scan for errors, track cell references and link cells from different Spreadsheets into a master Spreadsheet!

TimeOut QuickSpell: \$69.95

The fastest spell checker around! With its 80,000 word dictionary, QuickSpell is the perfect electronic proofreader — never be embarrassed by a spelling mistake or double word again!

TimeOut DeskTools: \$49.95

Add a calendar, note pad, four-function calculator, clock, file encrypter, case converter and telephone dialer to AppleWorks. All these basic conveniences — and more — in one package.

TimeOut DeskTools II: \$49.95

More AppleWorks tools our customers have demanded: a scientific/financial calculator, area code finder, file searcher, screen saver, disk tester and stop watches. Something for everybody.

TimeOut TeleComm: \$69.95

Link AppleWorks to the world! TimeOut TeleComm is simple to use with no sacrifice in power. Capture text directly to an AppleWorks Word Processor file or 4,000 line review buffer.

TimeOut FileMaster: \$49.95

Never leave AppleWorks again to use a disk utility program. Copy, rename, lock and unlock files. You can even back up and compare disks with FileMaster's easy-to-use interface.

TimeOut PowerPack: \$49.95

A fantastic collection of TimeOut applications: make your own help menus, create a Data Base of all your files, triple your clipboards and triple your desktop files. Plus 6 more applications.

TimeOut MacroTools: \$25.00

More macro files: auto-save files at preset intervals, change the AppleWorks' bell, eject disks, and create your own custom menus. Plus many more amazing macro feats! Requires UltraMacros.

TimeOut MacroTools II: \$25.00

Even more macro files: print Word Processor files in 2 or 3 columns, type directly to the printer, simulate more Data Base categories, reset the date, and many more. Requires UltraMacros.

TimeOut ReportWriter: \$79.95

ReportWriter's flexible relational report generator makes AppleWorks a powerful business tool. Generate invoices, billings, forms, AR/AP, and more.

Beagle Bros, Inc. • 6215 Ferris Square, Suite 100 • San Diego, CA 92121
Call 1-800-345-1750 in the U.S. or 1-800-992-4022 in California to Order.

AppleWorks GS 1.1 Is Robust and Powerful

by John Link

This is the first article in a three-part series that reviews the new version of AppleWorks GS. This month, John Link gives his overall impression of the program, including its installation, hardware requirements, printer performance, modem performance, and documentation.

The first release of AppleWorks GS (AWGS) offered a sizable list of attractive features, but was plagued by serious bugs, long launch times, and sluggish performance. It was like a football team that had learned many impressive trick plays but had never mastered the fundamentals of blocking and tackling. AWGS' shortcomings were in the area of basic software design, and they compromised the usefulness of almost every feature of the program.

The recent release of version 1.1 solves many of the problems in the earlier versions. While version 1.1 adds few new features to AppleWorks GS, the new version so dramatically improves AWGS' operation, that it is the most important revision in the product's short history.

Claris Corporation wants AppleWorks GS to become the most important all purpose "desktop style" software available for the IIGS community, a goal which previous versions did not achieve. With version 1.1, they may succeed.

Overall Evaluation

Those who are anxious to make a decision about buying the new release may not want to wait two months for my conclusions, so I will outline them here. Simply stated, version 1.1 is a flexible, powerful, useful program that offers excellent value to anyone who owns a IIGS with at least 1.5 megabytes of memory and a hard disk or two 3.5-inch disk drives. The program is particularly useful to anyone who wants to produce the highest quality output from an Apple II computer connected to a LaserWriter.

Version 1.1 significantly improves all aspects of the general operation of AWGS, including faster launch time and scrolling speed, greater type ahead capabilities, a better modem interface, and enhanced printer performance.

The data base and spreadsheet modules are robust in power and function, yet easy to use. When that power is combined with high quality output from a LaserWriter, business users might look to AWGS for solutions to their commercial needs.

Page layout is especially strong. AWGS 1.1 can use any font available for the IIGS, and resolves type size to the nearest point from 4 to 48 points. Micro justification for one, two, and three column layout is state-of-the-art. Page layout may be sufficient in itself to justify its purchase, especially for LaserWriter owners. ImageWriter owners will also benefit from greatly enhanced printing speed and improved output in the highest quality print modes.

Claris enhanced the graphics module in version 1.1. Users of DeluxePaint II, PaintWorks Gold, BeagleDraw, or TopDraw can use the new palettes in AWGS 1.1 to import work created with these popular packages.

The communications module now scrolls text fast enough to keep up with a 2400 baud connection to a remote computer, and provides enough features to satisfy the telecommunication needs of most users.

Claris greatly enhanced the performance of the word processor in version 1.1. Scrolling is faster; the program now keeps up with your keystrokes,

Figure 1: Launch Time for AWGS 1.1

Hardware	Time to load GS/OS	Time to load AWGS	Total time to boot	# of disk swaps
High speed hard drive	:20-:35	:10	:30-:45	0
Standard hard drive	:30-:50	:14	:44-:64	0
Two 3.5-inch drives*	:53	:41	1:34	0
Two 3.5-inch drives**	1:01	:57	1:58	0
One 3.5-inch drive**	1:01	1:49	2:50	2
One 3.5-inch drive***	:58	1:34	2:32	2

* Using copies of the distribution disks in a ROM 3 IIGs.

** Using copies of the distribution disks in a ROM 1 IIGs.

*** Using copies of the distribution disks in a ROM 1 IIGs, and a formatted disk in the 5.25-inch drive.

even when you enter text in the middle of a lengthy document. And, unlike the earlier editions of AWGS, the program is no longer subject to regular crashes and lockups. (I occasionally experienced crashes while working on large word processor documents, but my investigations suggest that the source of these problems is probably GS/OS, not AWGS. However, that is of little consolation to AWGS users who will occasionally lose their work when forced to reboot the computer. Unlike earlier versions of AWGS, the lock-ups and crashes were not serious enough to deter me from using the word processor, although I now save my work frequently.)

Buyers must be aware that the program remains hardware intensive; you will not be happy with AWGS unless you have at least two 3.5-inch disk drives or a hard drive, and 1.5 megabytes of memory in your computer.

Were it not for occasional problems in the word processor, I would give AWGS 1.1 an unqualified recommendation. I have the hardware necessary to use the program, I like the product, and remain enthusiastic about its future. Although I still do most of my work with AppleWorks Classic, AWGS is fast becoming indispensable to my day to day computing; the two products complement each other nicely.

Launching AWGS 1.1

The most obvious improvement in AWGS 1.1 is its speed. As you can see from *Figure 1*, it takes as lit-

tle as 10 seconds to launch AWGS from a high speed hard disk. These short loading times are impressive and reflect state-of-the-art software technology. My congratulations to the Claris programmers who tweaked the launch code to achieve this remarkable level of performance.

While hard disk users will find the loading times for AWGS 1.1 acceptable, the satisfaction of 3.5-inch disk drive users is more problematical. The loading times are reasonable if you have two 3.5-inch drives, especially if you use a ROM 3 machine. However, even with two 3.5-inch drives, you will occasionally need to swap disks while you work.

Using AWGS with a single 3.5-disk drive requires frequent disk swapping for the simplest tasks. Booting the computer and loading a small word processor file takes three to four minutes, including four disk swaps. Spell checking a document on such a system is even more tedious. Owners of a single 3.5-inch drive will not be happy with AWGS.

Other Hardware Considerations

Serious AWGS users should also consider increasing the memory in their computers. AWGS is not as conservative as AppleWorks in using RAM, and you will undoubtedly want to add memory to your basic IIGs system.

In my tests, I found that a 1.25-megabyte ROM 1 IIGs had insufficient memory to accommodate a small data base file after I loaded a 5K word processor file and a 23K spreadsheet template onto the desktop. I recommend that you install at least 1.5 megabytes of RAM in your IIGs if you plan to use AWGS as a serious productivity tool.

Accelerator cards provide a pleasant performance boost to AWGS, but the performance gains available from the TransWarp GS card are eclipsed by those achieved by adding a hard disk. Unlike earlier versions of AWGS, which needed an accelerator for acceptable searching speed, AWGS 1.1 does not require the faster processor.

After a hard disk, I recommend that you get a LaserWriter as your next major purchase. All the

Software Review...

AWGS modules can generate high quality output from the LaserWriter; AWGS makes it unnecessary to spend thousands of dollars for a Macintosh system which addresses the full power of the PostScript interpreter inside the LaserWriter.

Installing AppleWorks GS

Users of 3.5-inch disk drives and ImageWriter printers will run AWGS from copies of the distribution disks. Hard disk users and LaserWriter owners should use the Installer utility and its custom "scripts" included with AWGS. The Installer is intuitive and makes it easy to customize AWGS for different systems. You simply select the appropriate script from a menu which appears after you launch the Installer. The 1.1 Update manual includes clear instructions.

A small but significant flaw in the Installer affects hard disk users. Unfortunately, the script which installs AWGS on a hard drive insists on installing the program in the root directory. The installation process copies the program, several dictionaries, the conversion utility for previously constructed data base files, the sample programs, the memory tester, the new utilities for using color graphics, and in some instances, new system software for your hard disk into the root directory. As a result, you might find yourself exceeding the 51 file limit for root directories imposed by ProDOS, and the installation will abort. If that happens, you will have to reorganize the files on your drive and then continue the installation process.

Note that you cannot use 8-bit copy programs like Copy II+ to copy AWGS files or install AWGS on your hard drive. ProDOS-8 utilities cannot copy files with resource forks, so they do not correctly copy the AWGS program files. Unfortunately, most of these programs do not warn you about this problem. However, you can use the GS/OS Finder or the ProDos-16 version of ProSel to move AWGS from the root directory to its own folder.

Figure 2: AWGS ImageWriter Output

This is 12 point Geneva on 15 point line spacing with *italics*, **Bold** and some special characters: £ § ß ç ' ø € ¶ ™ ® © & ÷

This is 12 point Helvetica on 15 point line spacing with *italics*, **Bold** and some special characters: £ § ß ç † ø € ¶ ™ ® © & ÷

This is 12 point NewYork on 15 point line spacing with *italics*, **Bold** and some special characters: £ § ß ç ' ø € ¶ ™ ® © & □

ZapfDingbats: ☆ ✦ ✧ ✨ ✨ ✨ ✨ ✨ ✨ ✨ ✨ ✨ ✨ ✨ ✨ ✨ ✨
★ ★ ★ ☆ ✨ ✨ ✨ ✨ ✨ ✨ ✨ ✨ ✨ ✨ ✨ ✨ ✨ ✨
✨ ✨ ✨ ✨ ✨ ✨ ✨ ✨ ✨ ✨ ✨ ✨ ✨ ✨ ✨ ✨

Figure 3: AWGS LaserWriter Output

This is 12 point Geneva on 15 point line spacing with *italics*, **Bold** and some special characters: £ § ß ç † ø € ¶ ™ ® © & ÷

This is 12 point Helvetica on 15 point line spacing with *italics*, **Bold** and some special characters: £ § ß ç † ø € ¶ ™ ® © & ÷

This is 12 point NewYork on 15 point line spacing with *italics*, **Bold** and some special characters: £ § ß ç † ø € ¶ ™ ® © & ÷

ZapfDingbats: ☆ ✦ ✧ ✨ ✨ ✨ ✨ ✨ ✨ ✨ ✨ ✨ ✨ ✨ ✨ ✨ ✨
★ ★ ★ ☆ ✨ ✨ ✨ ✨ ✨ ✨ ✨ ✨ ✨ ✨ ✨ ✨ ✨ ✨
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Documentation

The AWGS package includes more than 775 pages of documentation. The manuals are well written, easy to use, and nicely designed; they meet the high standards I have noticed in all of the documentation which accompanies Claris products. The documentation includes different levels of support,

Figure 4: Data Base Report LaserWriter Output

Disk	File	Type	Size	Mod Date	Mod Ti
/DESKTOOLS	PRODOS	Sys	16k	October 16, 1989	12:03 AM
/DESKTOOLS	INSTALL.SYSTEM	Sys	29k	October 4, 1989	12:10 AM
/DESKTOOLS	TO.UTILITIES	Bin	8k	October 17, 1989	12:20 AM
/DESKTOOLS	Notes	Awp	8k	October 23, 1989	12:06 AM
/DESKTOOLS	TO.CALENDAR	Bin	16k	October 20, 1989	12:29 AM
/DESKTOOLS	TO.CALCULATOR	Bin	5k	April 14, 1988	12:55 AM
/DESKTOOLS	Calendar.Data	Adb	3k	October 23, 1989	12:49 AM
/DESKTOOLS	TO.CASE.CONVERT	Bin	2k	September 21, 1989	12:39 AM
/DESKTOOLS	TO.ENCRYPTER	Bin	3k	September 21, 1989	12:52 AM
/DESKTOOLS	DB Sample	Adb	1k	September 7, 1987	12:48 AM
/DESKTOOLS	SS Sample	Asp	1k	September 11, 1987	12:38 AM
/DESKTOOLS	WP Sample	Awp	2k	September 11, 1987	12:34 AM
/DESKTOOLS	TO.CASE.CONVERT	Bin	2k	September 21, 1989	12:42 AM

Figure 5: Edited Data Base Report Output

February 16, 1990

TimeOut 3.5 Disk Contents

1

Disk	File	Typ	Size	Mod Date	Mod Time	Cre Date	Cre Time	Locked
/DESKTOOLS	PRODOS	Sys	16k	October 16, 1989	12:03 am	January 4, 1989	12:42 am	Yes
/DESKTOOLS	INSTALL.SYSTEM	Sys	29k	October 4, 1989	12:10 am	July 8, 1989	12:03 am	Yes
/DESKTOOLS	TO.UTILITIES	Bin	8k	October 17, 1989	12:20 am	July 8, 1989	12:07 am	Yes
/DESKTOOLS	Notes	Awp	8k	October 23, 1989	12:06 am	July 8, 1989	12:04 am	Yes
/DESKTOOLS	TO.CALENDAR	Bin	16k	October 20, 1989	12:29 am	August 30, 1989	12:10 am	Yes
/DESKTOOLS	TO.CALCULATOR	Bin	5k	April 14, 1989	12:55 am	April 14, 1989	12:55 am	Yes
/DESKTOOLS	Calendar.Data	Adb	3k	October 23, 1989	12:49 am	August 31, 1989	12:21 am	Yes
/DESKTOOLS	TO.CASE.CONVERT	Bin	2k	September 21, 1989	12:39 am	August 30, 1989	12:55 am	Yes

including an easy-to-read User's Guide, Getting Started booklet, and Quick Reference Guide. Those who prefer more comprehensive, sometimes cryptic explanations, will find the Reference Manual to their liking. The 1.1 Update Manual included in the package is especially useful for those who are familiar with previous versions of the product. I rate the documentation "excellent".

Communications

The communications module in AWGS 1.1 is capable of serving many users' telecommunications needs, and addresses the problems with the earlier versions of the program.

For example, earlier versions of AWGS could not scroll fast enough to keep up with the incoming data from a 2400 baud modem. The result was an unpleasant "jerky" display on the screen. The faster scrolling in AWGS 1.1 easily keeps up with these

modems; the screen display is now as smooth as the transmission from the remote computer.

Many users had problems transferring files with the earlier versions of AWGS. However, AWGS 1.1 successfully transmits and receives normal text files and complex AWGS files at 2400 baud, using the standard Xmodem protocol. AWGS can automatically wrap complex files as Binary II files during transmission to preserve the file type and file name. The program can also convert those files back into AWGS, preserving the format, file name, and even the cursor position in the file. These transfers went smoothly; I found the interface so intuitive that I did not need to consult the documentation.

Printer Performance

AWGS 1.1 addresses the printing problems of earlier versions of the program by offering a special driver for the ImageWriter which you can use instead of the driver supplied on the GS/OS System Disk.

Software Review...

I used the page layout module to test AWGS' printing capabilities, and I found little difference in the quality of the output generated by the Apple Computer and Claris ImageWriter drivers; both produced excellent printouts. However, the Claris driver was about 30 percent faster than the Apple driver supplied on the GS/OS disk.

Figure 2 depicts output from an ImageWriter II using the Claris driver. Figure 3 presents the same AWGS document printed on a LaserWriter. As you can see from Figure 3, it is virtually impossible to differentiate AWGS' LaserWriter output from that produced by a Macintosh.

Of greater importance, AWGS lets you use the LaserWriter to generate high quality formatted reports from any module. For example, Figure 4 shows proportional output from the AWGS data base. Figure 5 shows that same output after I formatted a report, printed it to a word processor document, and refined it with standard editing techniques.

Summary

In summary, I believe that AppleWorks GS 1.1 is the leading desktop style integrated productivity package for the Apple IIGs. It will not replace AppleWorks Classic, but anyone with sufficient hardware resources to use the program will appreciate the many ways it supplements AppleWorks Classic, especially when high quality output is desired.

Next month I will describe the text handling qualities of AWGS, including a more complete discussion of the program's word processor, page layout, and drawing modules.

[Ed: Owners of previous releases of AWGS can upgrade for \$29.00. Owners of AppleWorks Classic can purchase AWGS for \$99.00, and become registered owners of both products. Contact Claris Corporation for upgrade information: (800) 544-8554.]

[John Link is a Professor of Art at Western Michigan University. He is the developer of SuperPatch and is an AppleWorks consultant.]

Quick Tip

How to Get Better Text Display on the Screen

by Gary Hayman

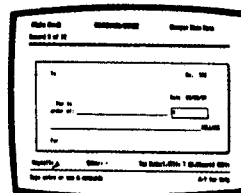
Remember the first time you used the AppleWorks word processor? As you typed, words aligned with the left-hand edge of the display and text wrapped to the next line when your typing struck a point about 3/4 of the way across the screen. Even though you got one-inch left and right margins when you printed, the text always aligned with the left edge of the screen.

You are probably used to that AppleWorks quirk by now, but here is a trick that leaves even left and right margins on your screen so it more closely resembles your printed output.

When you start a new document, issue an Apple-O command and set the left margin to zero. Press Escape to return to the document, press the Return Key to insert a blank line, then issue another Apple-O and set the left margin to 1.0 inches. Press Escape to return to the document and type normally. You will find that your document now carries the correct "white space" on the left and right edges of the screen.

[Gary Hayman is a Certified Hypnotherapist in private practice in McLean, Virginia and is an Apple II consultant and teacher. He is on the Board of Directors of the Washington Apple Pi Users Group.]

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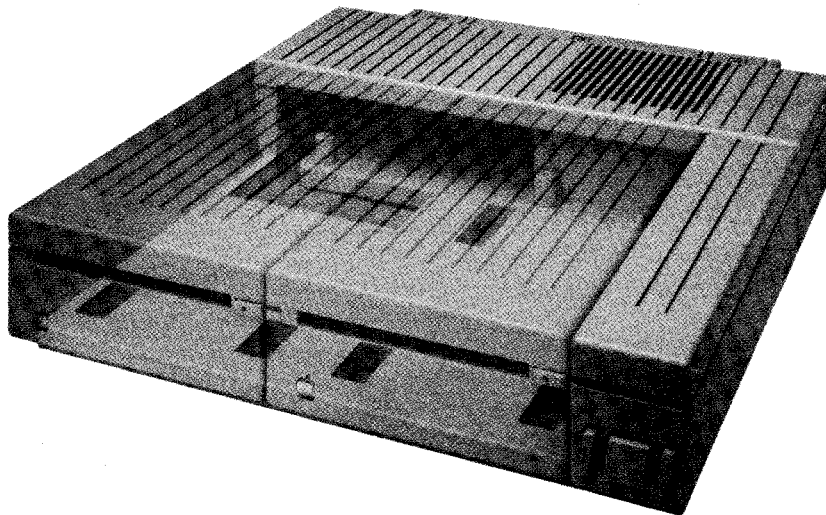
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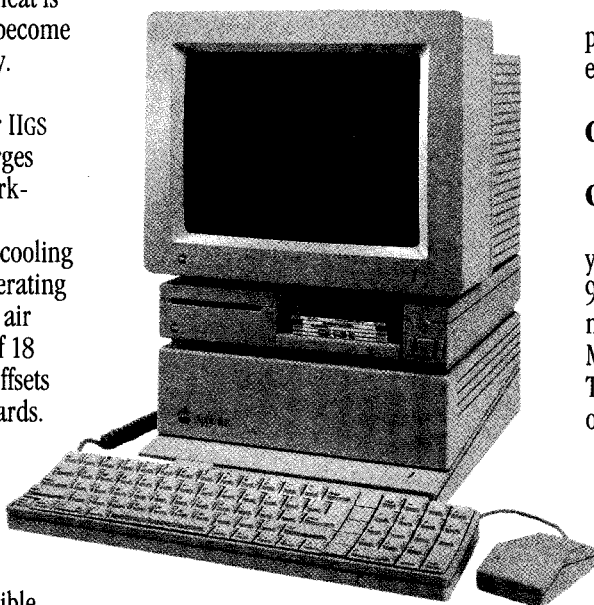
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How to Prepare Your First Spreadsheet—Part 2

by Warren Williams and Cathleen Merritt

This is the second in a series of articles designed to help novices start using the AppleWorks spreadsheet module. This article describes how to enter text, numbers, and simple formulas in spreadsheet cells.

Last month we described how to use the AppleWorks spreadsheet module to prepare tables, charts, lists, and “What if?” templates. This month we will describe how to create and use the spreadsheet’s calculating power to create a simple template. Our goal is to help you understand the basic concepts necessary to develop more complex and useful models.

Where Are We Going?

Figure 1 depicts a simple spreadsheet that calculates the value of a stock based on the number of shares you own and the price per share. The tutorial in this article will describe how to develop this simple spreadsheet template.

Some Background

First, you should become familiar with the AppleWorks spreadsheet screen.

As you can see in Figure 1, the top of the screen displays the name you assigned to the spreadsheet file (“SHARES”), the current “mode” (“Review/Add/Change”), and what will happen if you press the Escape Key (AppleWorks will go to the Main Menu).

The second line on the screen displays the column designators; the letters “A” through “H”.

The line “B7: (Value) +B4*B5” at the bottom of the screen displays the current cursor position (cell B7), the indication that cell B7 contains a “value”, and the contents of that cell (the formula “+B4*B5”). You will learn about formulas and formats later in this article.

Figure 1: Stock Value Spreadsheet

```
File: SHARES                                REVIEW/ADD/CHANGE                                Escape: Main Menu
-----A-----B-----C-----D-----E-----F-----G-----H-----
1|
2|
3|
4|Number                1300
5|Price                 12.25
6|-----
7|Value                15925
8|
9|
10|
11|
12|
13|
14|
15|
16|
17|
18|
-----
B7: (Value) +B4*B5
-----
Type entry or use ␣ commands                                ␣-? for Help
```

The next line is blank. That is the “edit line”; everything you type will appear on the edit line before you enter it into the spreadsheet.

The bottom line on the screen is the “prompt line” that tells you what to do at any moment. The right-hand portion of this line reminds you that you can enter an Apple-? to get help.

The center of the screen is the work area; the place where you develop and display the spreadsheet. The work area is divided into columns (identified by letters of the alphabet) and rows (designated by numbers). The screen display in Figure 1 shows eight columns (labelled “A” through “H”) and 18 rows (labelled “1” through “18”). It is easy to remember the difference between columns and rows.

Novice Notes...

Columns are always vertical, like the columns that hold up a roof. Rows always go across, like the rows of seats in a theater.

Although you can only display a few rows and columns on the screen at one time, most spreadsheets are larger than the eight columns and eighteen rows you see on the screen. Hold down the Right-Arrow Key and you will scroll to the right across the columns. Hold down the Down-Arrow Key and you will scroll down the rows. The spreadsheet module in AppleWorks 3.0 offers 127 columns and 9,999 rows; earlier versions of AppleWorks have a maximum spreadsheet size of 127 columns and 999 rows.

The work area consists of a series of "cells", each named by the column and row that intersects at that cell location. For example, the cell in the upper left-hand corner of this spreadsheet is cell A1. The cell in the lower right-hand corner of the screen is cell H18.

You can enter either a "label" or a "value" into each cell. A label is text. Thus, cell A4 in *Figure 1* contains the label "Number". Cell A5 contains the label "Price" and cell A6 contains the label "-----".

A value is a number. You can type the number directly into a cell from the keyboard, or you can enter a formula and have AppleWorks calculate the number. In *Figure 1*, we typed the number 1,300 into cell B4 and the number 12.25 into Cell B5. When we entered the formula $+B4*B5$ into cell B7, AppleWorks calculated the number 15,925 (1300×12.25) that appears in that cell.

To review: A spreadsheet consists of many cells. Each cell can contain a label or a value. Values can be typed or calculated.

How to Correct Mistakes

With that background, let's start building our first spreadsheet.

Boot your computer with AppleWorks, tell the program you want to create a new spreadsheet file "From scratch", and name the file "SHARES". Then proceed through the following tutorial. You will probably be tempted to skip some steps, but

we encourage you to follow these step-by-step procedures. We will have you make some intentional mistakes so you learn how to anticipate and correct problems when they occur.

First, we will describe how to correct typing mistakes; if you are like most AppleWorks users, you will have many opportunities to use these techniques when you prepare spreadsheets.

1. With a blank spreadsheet on the screen, use the Down-Arrow Key to move the cursor to cell A4.
2. Type the word "junk" (without the quotation marks), but do not press the Return Key. Note that the text you entered appears in two places; once in the edit line at the bottom of the screen and also in cell A4. Also note that the edit line contains the word "Label". When you typed the letter "j" in "junk", AppleWorks "realized" that you wanted to enter text into the cell, so it automatically declared that the cell contains a label.
3. Press the Delete Key four times to delete the text from the cell. Note that the "Label" prompt still appears in the edit line at the bottom of the screen. AppleWorks will treat any numbers or formulas you enter now as text and will not do calculations based on numeric entries you put in this cell.
4. Type the word "smile" into cell A4, but do not press the Return Key or any Arrow Key.
5. Press the Escape Key. AppleWorks will restore both the edit line and cell A4 to their original condition. Note that when you cancel an entry by pressing Escape, AppleWorks removes the "Label" designator from the bottom of the screen. You can press the Escape Key to cancel an entry when you type text or a value into a cell.
6. Once again, type the word "junk" into cell A4 and press the Return Key. After you press Return, the edit line at the bottom of the screen becomes blank, although the word "junk" continues to appear in cell A4.

Your press of the Return Key tells AppleWorks to enter the text from the edit line into the cell. The Delete Key and Escape Key affect the edit line, not the contents of the cell. Since the edit line is blank, you can no longer delete charac-

Novice Notes...

ters with the Delete Key or cancel the entry with the Escape Key. Test this by pressing the Delete Key; AppleWorks will beep.

Press the Escape Key and AppleWorks will take you to the Main Menu. Press the Escape Key again to return to the spreadsheet. The Escape Key only cancels an entry that is on the edit line. When the edit line is empty, the Escape Key takes you to the AppleWorks Main Menu.

7. With the cursor still on cell A4, type the word "jump". When you type the letter "j", AppleWorks realizes that you want to replace the original entry, so AppleWorks blanks the cell and starts accepting new text.
8. Press the Return Key to enter the word "jump" into the cell.
9. You can also use AppleWorks' Apple-B (Blank) command to blank a cell.

With the cursor still on cell A4, note that the edit line is blank and that you cannot delete the text with the Delete Key or cancel the entry with the Escape Key. Try both commands. The Escape Key will take you to the Main Menu; press that key a second time to return to the spreadsheet.

Issue an Apple-B command to invoke the Blank Command, and AppleWorks presents a menu of choices at the bottom of the screen (see *Figure 2*). You want to blank the current entry (that is, the current cell), so press the Return Key to accept the choice "Entry".

To summarize: When you type text or numbers into a cell, you are "editing" that cell. During the editing process, you can use the Delete Key to delete characters or the Escape Key to cancel an entry.

When you press the Return Key or Arrow Key, you enter the label or value into the cell, therefore you can no longer edit the entry with the Delete Key nor cancel the entry with Escape. However, you can still overwrite the entry by typing a new entry into the cell, or by blanking the cell by issuing an Apple-B command.

Figure 2: Blank Command Menu

```
File: SHARES          BLANK          Escape: Review/Add/Change
=====A=====B=====C=====D=====E=====F=====G=====H=====
 1|
 2|
 3|
 4| jump
 5|
 6|
 7|
 8|
 9|
10|
11|
12|
13|
14|
15|
16|
17|
18|

-----
A6: (Label) jump

Blank?  Entry  Rows  Columns  Block
```

Remember to watch the edit line to insure that AppleWorks accepts your text entry as "Labels" and numbers and formulas as "Values". If the wrong word appears, press the Escape Key and re-type your entry.

Entering Labels

Now that you know how to correct the most common typing errors, you are ready to develop a simple spreadsheet. First, you will enter the labels.

10. Use the Arrow Keys to move the cursor to cell A4 and type the word "Number".
11. Use the Down-Arrow Key to move to cell A5 and enter the word "Price".
12. Use the Down-Arrow Key to skip over cell A6, move to cell A7 and enter the word "Value".

Entering Values

Next, you will enter both keyboard and calculated values into the spreadsheet.

13. Move the cursor to cell B4 and enter the number 1300 (remember to type the numbers "1" and "0", not the letters "l" and "O"). Then press the Return Key.

The bottom of the screen should display the line:

B4: (Value) 1300

When you pressed the number "1", AppleWorks "realized" that you wanted to enter a number into cell B4, so it declared that the cell contains a value. As you learned earlier, AppleWorks always checks the first character you type into a cell. If you type a letter, AppleWorks declares that the cell contains a label. If you type a number or mathematical symbol (for example, a parenthesis or plus sign), AppleWorks declares that the cell contains a value. If you type a character that is neither a letter, number, or mathematical symbol (for example, an exclamation mark), AppleWorks beeps to indicate that you are trying to enter an "ambiguous character". We will expand on this concept in a few minutes. If cell B4 says "(Label) 1300" use the Apple-B command to blank the cell and start over.

14. Move the cursor to cell B5 and enter the number 12.25. Then press the Return Key.

Entering a Formula

You want a calculated value to appear in cell B7, so you will type a formula into that cell. AppleWorks will do the calculations and display the result in place of the formula.

The formula can contain any one or more of the following five symbols that specify common arithmetic operations:

- + = addition
- = subtraction
- * = multiplication
- / = division
- ^ = raise to a power

The formula you enter into cell B7 will tell AppleWorks to multiply the contents of cell B4 by the contents of cell B5.

15. First, we will have you make a common mistake. Put the cursor in cell B7, type the formula B4*B5, and press the Return Key. Notice that the formula appears in cell B7, not the results of the calculation.

Look at the bottom of the screen and you will see that AppleWorks indicates that cell B7 contains a label, not a value. When you entered the letter "B" at the beginning of the formula,

AppleWorks thought you wanted to enter text, so the program declared that the cell contained a label. AppleWorks does not do calculations when it sees a label.

16. Now you will overwrite the label in cell B7 with the correct formula.

Although a formula contains text characters, you want AppleWorks to treat the formula as a value. Therefore, you must tell AppleWorks you want to enter a value, not a label.

With the cursor in cell B7, type a plus sign (+). (Look at the bottom of the screen and you will see that AppleWorks declares that the cell contains a value.) Then enter the formula. The bottom of the screen will read

B7: (Value) +B4*B5

Press the Return Key and AppleWorks will display the number 15925 in cell B7. That is the result of multiplying 1300 by 12.25.

Remember that every formula must start with a mathematical symbol such as the plus sign or parentheses. (Later you will learn that formulas can also start with the "@" symbol.)

How to Enter Horizontal Lines

Next, you will add the dashed horizontal line that appears in row 6 in *Figure 1*. First, we will describe how to correct a common mistake.

17. Use the Arrow Keys to move the cursor to cell A6.
18. The dashed line is actually a row of hyphens we typed at the keyboard. Press the hyphen key once and look at the bottom of the screen. AppleWorks thinks you pressed the hyphen to designate a negative number. Since negative numbers are values, the program declares that the cell contains a value. Press the hyphen key again to enter the next character in the row. AppleWorks will beep and will not accept your entry.

AppleWorks beeps because it expects a value or a formula, and there are no values or formulas that start with two minus signs. The trick to entering horizontal lines composed of mathematical symbols is to tell AppleWorks to ac-

Novice Notes...

cept these characters as labels; then the program will accept any characters you enter from the keyboard.

You tell AppleWorks to accept any keyboard entry as a label by typing a quotation mark (") before entering characters into a cell. Follow these steps:

19. Since the entry is still on the edit line, press the Escape Key to cancel that entry and leave the current cell blank. If you accidentally pressed the Return Key or an Arrow Key, use the Apple-B command to blank cell A6 so you can start again.
20. Type a quotation mark (a shifted-apostrophe) to tell AppleWorks to accept your next keystroke as a label. Then press and hold down the hyphen key until that symbol fills cells A6 and B6. Note that since the adjacent cell is blank, AppleWorks will automatically continue the label into that cell. Press the Return Key to lock in your entry.

Your spreadsheet should now look like the example in *Figure 1*.

21. Enter an Apple-S to save your work.

Exploring AppleWorks' Calculating Power

Finally, we will explore the calculating power of this spreadsheet.

22. Put the cursor in cell B4 and replace the original value of 1300 with the value 1500. Then press the Return Key. Note that AppleWorks immediately recalculates the value in cell B7 (which now displays 18375 instead of 15925).
23. Imagine that the value of the stock goes up to \$13.00 per share. Enter the value 13 into cell B5 and note that AppleWorks immediately calculates the new value of your stock holdings as 19500.

Once you enter a formula into AppleWorks, the program automatically recalculates the value of that formula each time you change an entry.

Also note the format of the entry in cell B5. You would probably prefer that the entry read \$19,500.00 with a dollar sign, comma, and dec-

imal place. We will describe how to control the format of numbers in next month's article in this series.

24. Finish your work by issuing another Apple-S command to replace the original copy of the spreadsheet on your disk with the spreadsheet that contains the values 1500 in cell B4 and 13 in cell B5.

Summary

This article describes how to prepare a basic spreadsheet. You should now understand the following concepts:

1. The AppleWorks spreadsheet module offers hundreds of cells designated by their column and row locations.
2. You can enter a label or value into any cell.
3. Values can be entered from the keyboard or calculated from a formula you type into a cell.
4. You can use the Delete Key to delete characters from an entry that appears on the edit line at the bottom of the AppleWorks screen.
5. You can press the Escape Key to cancel an entry that is on the edit line.
6. Pressing the Return Key or an Arrow Key locks a label or value into a cell. Once you enter the label or value, the Delete Key and Escape Key will no longer change the entry in that cell. You can change the entry either by overwriting the cell with a new entry, or by using the Apple-B command to blank the contents of the cell.
7. If you start a cell entry by typing a letter of the alphabet, AppleWorks assumes you want to enter a label in the cell. If you start by typing a number or mathematical symbol, AppleWorks assumes you want to enter a value. AppleWorks beeps if the key is neither a letter nor an acceptable mathematical symbol.
8. You must start a formula with a mathematical symbol, otherwise AppleWorks thinks you want to enter a label.
9. You can enter a quotation mark symbol (") to declare that anything you enter into a cell

Novice Notes...

should be treated as a label. The most frequent use of this technique is to let you use equals signs, plus signs, or hyphens to draw horizontal lines across the spreadsheet.

Next month we will develop a more sophisticated spreadsheet application and explore more of the spreadsheet's Open-Apple commands and mathematical functions.

[Dr. Warren Williams is on the faculty at Eastern Michigan University where he teaches courses in the Educational Technology program. He is the President of NAUG and is a frequent contributor to the AppleWorks Forum.]

Cathleen Merritt is the Director of NAUG and is the Editor of the AppleWorks Forum.]

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Bulletin Board Update

NAUG Launches New Bulletin Board

by Tim Harrison

NAUG recently upgraded its electronic AppleWorks bulletin board, the Electronic Forum, to a new computer system located in Flint, Michigan. We made this move after NAUG outgrew its original Apple II computers, which proved unreliable after answering more than 33,000 calls since the board's inception in 1986. The new computer is more powerful, faster, and easily expandable.

The New Board

The new board, which runs on a custom-designed 80286 MS-DOS computer operating at 12-megahertz, can presently accommodate two simultaneous callers and is upgradeable to support up to 16 concurrent users.

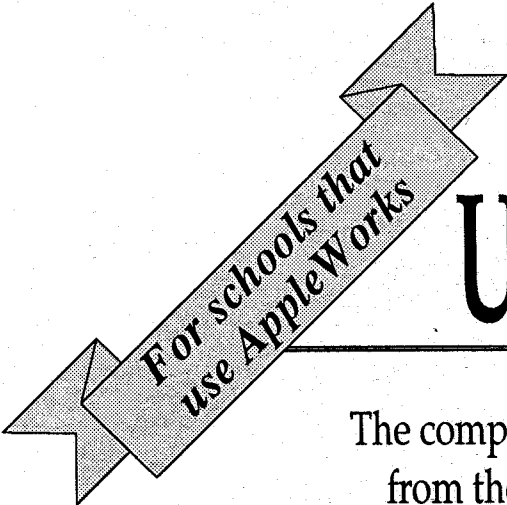
The system uses TBBS software, the same program used by General Motors, NASA, and other large organizations for their internal communications systems. A telephone seeking system automatically transfer callers to the first available line on the board.

While there will be some noticeable changes when you log onto the system, you should soon feel comfortable. The fact that we are running on an IBM clone will be inconsequential to most users; you will continue to upload and download Apple II files to this system.

The board operates 24-hours a day at 300, 1200, and 2400 baud. The new telephone number is (313) 736-8102.

You will have to register as a new user on the board. In future articles, I will describe how to use the new system.

[Tim Harrison is the Sysop of NAUG's AppleWorks bulletin board, the Electronic Forum.]



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The *AppleWorks Forum* contains valuable information for all AppleWorks users. This package includes all the 1988 and 1989 issues packaged in attractive *AppleWorks Forum* binders. Regularly: \$96.00.

Audio Tapes: AppleWorks: Beyond the Basics

Five 60-minute and 90-minute tapes that describe useful AppleWorks techniques. The tapes are unique because they are directed to users who are already familiar with AppleWorks. These popular tapes cover the following topics:

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Tape 3: Spreadsheet: Tips and Techniques

Tape 4: Word Processor: More Ideas and Techniques

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Regularly: \$45.00.

AppleWorks Wall Chart

A two-color, poster-size chart with a summary of the keystroke commands that work with all versions of AppleWorks, the relationship between the different AppleWorks modules, and the control codes necessary to get more than 100 different printers to work with AppleWorks. The printer information makes this chart "a must" for schools, AppleWorks teachers, and consultants. Regularly: \$7.95.

The UltraMacros Primer

This 250-page book teaches you everything you should know about TimeOut UltraMacros. Lessons in the book are appropriate for all levels of UltraMacros users. The book includes a complete summary of all UltraMacros commands and dozens of macros you can use with AppleWorks. Special sections describe how to use the new features of the latest version of UltraMacros. Indexed. Regularly: \$19.95.

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This 32-page catalog describes all 86 disks in NAUG's Public Domain Library. Regularly: \$5.00.

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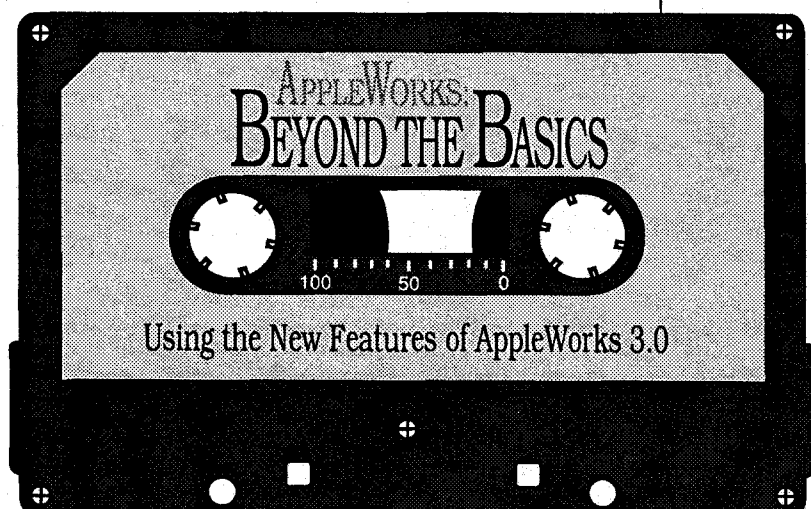
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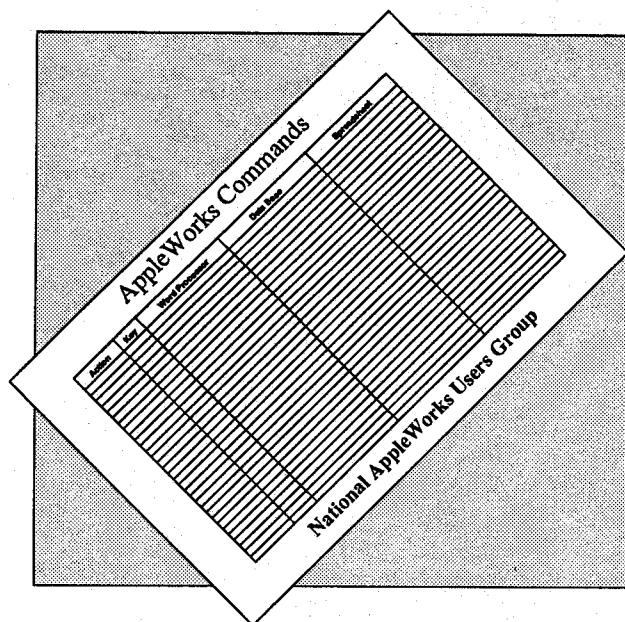
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The original battery is soldered into the computer; dealers usually charge between \$40 and \$70 to remove the original and solder in a replacement. However, Nite Owl Productions produces the "Slide-On", a high-quality lithium battery you can install yourself in about five minutes. You turn off the computer, slide out the power supply, clip the leads on the original battery, and slide the new battery onto the existing leads. The Slide-On, which claims a ten year shelf life, comes with easy-to-follow directions.

The regular price of the Slide-On battery is \$14.95. Until May 31, NAUG members can purchase Slide-On batteries directly from the manufacturer for \$11.00. Ten or more batteries cost \$10 each. Add \$2 per order for domestic s/h; \$5 for foreign postage. Send your order with payment included (cash, check, or money order) to: Nite Owl Productions, Slide-On Batteries, Special NAUG Offer, 5734 Lamar Avenue, Mission, Kansas 66202; (913) 362-9898. Include your NAUG membership number with your order. Kansas residents must include sales tax.

AppleWorks Command Map

You:nique Bytes produces a useful command tree for AppleWorks. The four-page "map" is laminated in heavy plastic and shows the relationship between all the AppleWorks commands, menus, and sub-menus. Of particular note is the cross-referenc-

ing of the maps to the AppleWorks manual; that makes it easy to find appropriate page numbers in the AppleWorks documentation.

The regular price of the chart is \$7.95; NAUG members can purchase single charts for \$6.95 or ten or more charts for \$4.95. All prices include postage. Charts are available for all versions of AppleWorks; indicate which version you want. You:nique Bytes, 2802 Nelson Road, Marshalltown, Iowa 50158.

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Font Printouts: NAUG members who use Time-Out SuperFonts or AppleWorks GS can get sample printouts of the fonts in the NAUG library from John Sambataro. Mr. Sambataro offers a one-page or two-page sample of all the fonts on each font disk for 75¢ per disk or \$8 for the complete 22-page collection of printouts. Send a self-addressed stamped envelope if you order individual printouts. The \$8 charge for the complete collection includes postage. Contact John Sambataro, 3201 North 74th Avenue, Hollywood, Florida 33024.

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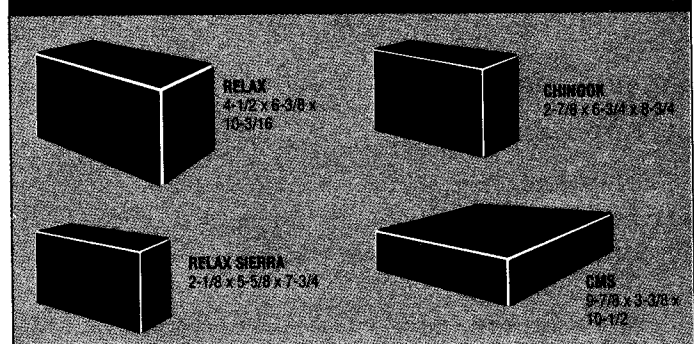
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256K 129
512K 169
1 meg. 249
1.5 meg. 329
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1 meg. 259
2 meg. 389
3 meg. 499
RAMWORKS EXP.
1 meg. 279
2 meg. 379
RAMFACTOR EXP.
1 meg. 279
2 meg. 379
5.25 Drive 119
Buffer Pro 89
ColorLink 99
Conserver 79
DataLink 2400 174
DataLink Express 179
FastMath 139
Parallel Pro 79
PC Transporter 369
PC Trans. (Ile kit) 29
PC Trans. (GS kit) 39
Phasor 139
Power Supply 69
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Copy Stand 39
Printer Muffler 43
Security System 34
System Saver Ile 59
System Saver GS 69
Turbo Mouse 115

APPLE

AppleMouse Ile 119
AppleMouse IIC 89
Apple SCSCard 109
3.5 Dr. (Ile, II+) . 319
3.5 Dr. (GS, IIC+) 329
ImageWriter II 459
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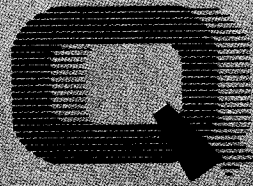
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Patches that Customize AppleWorks 3.0—Part 3

by John Link

This is the last in a series of three articles that describe how to install patches that enhance AppleWorks 3.0. The author assumes you developed a bootable BASIC disk following the procedures he described in the first article in this series.

The first two articles in this series described 21 patches you can make to AppleWorks 3.0 that let you customize the program for your own taste and applications. This month I will describe ten additional patches you can make to the program.

Make certain you install these patches on a backup copy of AppleWorks in case something goes wrong. You can install any combination of patches in any sequence; there are no conflicts between any of the patches.

You start all patches by booting your computer with the BASIC disk that I described in the first article in this series. Then remove the BASIC disk and insert the appropriate AppleWorks disk as specified for each patch. Once you are in BASIC, you can enter one or all of the following patches.

Reminders

Remember that TimeOut UltraMacros changes the name of APLWORKS.SYSTEM to APLWORKS.SYS. If you use UltraMacros, substitute APLWORKS.SYS each time I refer to APLWORKS.SYSTEM.

Some of these patches modify the file SEG.AW. 5.25-inch disk versions of AppleWorks have a copy of SEG.AW on each program disk. If you use 5.25-inch disks, patch one copy of SEG.AW and then use a file utility program to copy the patched version of SEG.AW onto every disk. You must have the same version of SEG.AW on each 5.25-inch disk.

Patch 1: Change Apple-Return

When you tell AppleWorks to look for data files on another disk, the program lets you specify the name of a ProDOS directory. With AppleWorks 2.1 and earlier, you move the cursor to "ProDOS Directory", press the Return Key, and type the pathname to the file you want to access. With AppleWorks 3.0, if you highlight "ProDOS Directory" and press the Return Key, the program takes you to a "point and shoot" routine. You must press Apple-Return to get the "Pathname?" prompt at the bottom of the screen.

This patch reverses the commands in AppleWorks 3.0, so a Return causes the program to display the "Pathname?" prompt and an Apple-Return invokes "point and shoot". Follow these steps to install this patch:

1. Boot the computer with the BASIC disk.
2. Insert the AppleWorks disk with the file SEG.AW in Drive 1.
3. Type the following:
POKE 768,16
BSAVE SEG.AW,TBIN,A\$300,L1,B\$EC2

Enter the following to cancel this patch and return AppleWorks to its original condition:

```
POKE 768,48
BSAVE SEG.AW,A$300,L1,B$EC2
```

Patch 2: Don't Press Return in Menus

AppleWorks lets you use either Arrow Keys or numbers to select an item from a menu. You must enter

Advanced Techniques...

the number of your choice and press the Return Key to tell AppleWorks to execute your selection.

This patch tells AppleWorks to execute as soon as you enter the number. After you install this patch, AppleWorks will not wait for you to press the Return Key.

UltraMacros users should be cautious about this patch. While the patch speeds execution of any macro which includes a menu choice, your copy of AppleWorks will now work differently from unpatched versions of the program. As a result, macros you develop may not run correctly on unpatched versions of AppleWorks and you may have to modify any commercially prepared macros.

Follow these steps to install this patch:

1. Boot the computer with the BASIC disk.
2. Insert the AppleWorks disk with the file APLWORKS.SYSTEM in Drive 1.
3. Type the following:

```
POKE 768,173
POKE 769,242
POKE 770,14
POKE 771,201
POKE 772,10
POKE 773,144
POKE 774,37
POKE 775,234
POKE 776,234
POKE 777,234
POKE 778,234
BSAVE APLWORKS.SYSTEM,TSYS,A$300,L11,B$8B8
POKE 768,228
BSAVE APLWORKS.SYSTEM,TSYS,A$300,L1,B$92D
```

Enter the following to cancel this patch and return AppleWorks to its original condition:

```
POKE 768,165
POKE 769,140
POKE 770,201
POKE 771,10
POKE 772,144
POKE 773,5
POKE 774,162
POKE 775,7
POKE 776,32
POKE 777,230
POKE 778,30
BSAVE APLWORKS.SYSTEM,TSYS,A$300,L11,B$8B8
POKE 768,176
BSAVE APLWORKS.SYSTEM,TSYS,A$300,L1,B$92D
```

Patch 3: Make "Yes" the Default Answer

The default answer to AppleWorks' nagging "Do you really want to do this?" is normally "No". This patch makes "Yes" the default response, so all you need do is press the Return Key when it presents the "really want to?" question.

Many TimeOut applications use the same confirmation routine in AppleWorks, so this patch will swap the default for those questions as well.

Follow these steps to install this patch:

1. Boot the computer with the BASIC disk.
2. Insert the AppleWorks disk with the files SEG.00, SEG.AM, SEG.XM, and SEG.RM in Drive 1.
3. Type the following:

```
BLOAD SEG.00,TBIN,A$300,L11,B$E9E
POKE 774,174
POKE 778,171
BSAVE SEG.00,TBIN,A$300,L11,B$E9E
BLOAD SEG.RM,TBIN,A$300,L11,B$E38
POKE 774,72
POKE 778,79
BSAVE SEG.RM,TBIN,A$300,L11,B$E38
BLOAD SEG.AM,TBIN,A$300,L11,B$F1A
POKE 774,42
POKE 778,39
BSAVE SEG.AM,TBIN,A$300,L11,B$F1A
BLOAD SEG.XM,TBIN,A$300,L11,B$EC8
POKE 774,216
POKE 778,213
BSAVE SEG.XM,TBIN,A$300,L11,B$EC8
```

Enter the following to cancel this patch and return AppleWorks to its original condition:

```
BLOAD SEG.00,TBIN,A$300,L11,B$E9E
POKE 774,171
POKE 778,174
BSAVE SEG.00,TBIN,A$300,L11,B$E9E
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POKE 778,72
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POKE 774,213
POKE 778,216
BSAVE SEG.XM,TBIN,A$300,L11,B$EC8
```


Advanced Techniques...

Patch 4: Eliminate "Beyond Last Record" Query

AppleWorks always asks if you want to go beyond the last record in a data base file. This patch eliminates that question. Follow these steps:

1. Boot the computer with the BASIC disk.
2. Insert the AppleWorks disk with the file SEG.DB in Drive 1.
3. Type the following:
POKE 768,128
POKE 769,16
BSAVE SEG.DB,TBIN,A\$300,L2,B\$1866

Enter the following to cancel this patch and return AppleWorks to its original condition:

```
POKE 768,32
POKE 769,0
BSAVE SEG.DB,TBIN,A$300,L2,B$1866
```

Patch 5: Customize Spreadsheet Overflow

When a spreadsheet column is too narrow, AppleWorks displays "#" characters to warn you that it cannot display the value in the current width cell. This patch changes that character to any one of the following:

```
& (use 38 for "value" after POKE 768,)
+ (use 43 for "value" after POKE 768,)
> (use 62 for "value" after POKE 768,)
```

Follow these steps to install this patch:

1. Boot the computer with the BASIC disk.
2. Insert the AppleWorks disk with the file SEG.SS in Drive 1.
3. Type the following:
POKE 768,value
BSAVE SEG.SS,TBIN,A\$300,L1,B\$1141

Enter the following to cancel this patch and return AppleWorks to its original condition:

```
POKE 768,35
BSAVE SEG.SS,TBIN,A$300,L1,B$1141
```

Patch 6: Change "NA" to Blank

AppleWorks sometimes replaces a calculated value with the letters "NA" in a spreadsheet cell. For example, NA appears when the lookup value is smaller than the lowest value in the table. This patch replaces the "NA" with spaces. Follow these steps:

1. Boot the computer with the BASIC disk.
2. Insert the AppleWorks disk with the file SEG.SS in Drive 1.
3. Type the following:
POKE 768,32
POKE 769,32
BSAVE SEG.SS,TBIN,A\$300,L2,B\$14B

Enter the following to cancel this patch:

```
POKE 768,78
POKE 769,65
BSAVE SEG.SS,TBIN,A$300,L2,B$14B
```

Patch 7: Change "Carefully" to "Carelessly"

This patch adds a touch of humor to AppleWorks' file save screen. Follow these steps:

1. Boot the computer with the BASIC disk.
2. Insert the AppleWorks disk with the file SEG.AW in Drive 1.
3. Type the following:
POKE 768,108
POKE 769,101
POKE 770,115
POKE 771,115
POKE 772,108
POKE 773,121
POKE 774,32
POKE 775,115
POKE 776,97
POKE 777,118
POKE 778,105
POKE 779,110
POKE 780,103
POKE 781,32
POKE 782,116
POKE 783,104
POKE 784,101
BSAVE SEG.AW,A\$300,L17,B\$56FE

Enter the following to cancel this patch:

```
POKE 768,102
POKE 769,117
POKE 770,108
POKE 771,108
POKE 772,121
POKE 773,32
POKE 774,115
POKE 775,97
POKE 776,118
POKE 777,105
POKE 778,110
POKE 779,103
POKE 780,32
POKE 781,116
POKE 782,104
POKE 783,105
```

POKE 784,115
BSAVE SEG.AW,A\$300,L17,B\$56FE

Patch 8: Change "Path:" to File Card

This is a cosmetic change which substitutes mouse-text file card characters for the word "Path:" on the AppleWorks screen. The file card characters will not print if you issue an Apple-H command to print the screen. Follow these steps to install this patch:

1. Boot the computer with the BASIC disk.
2. Insert the AppleWorks disk with the file SEG.AW in Drive 1.
3. Type the following:

POKE 768,4
POKE 769,152
POKE 770,153
POKE 771,58
POKE 772,32
BSAVE SEG.AW,TBIN,A\$300,L5,B\$3CB

Enter the following to cancel this patch:

POKE 768,6
POKE 769,80
POKE 770,97
POKE 771,116
POKE 772,104
BSAVE SEG.AW,TBIN,A\$300,L5,B\$3CB

Patch 9: Change "Subdirectory" to Mousetext

This patch replaces the word "Subdirectory" with a mousetext file card within parentheses. Follow these steps to install this patch:

1. Boot the computer with the BASIC disk.
2. Insert the AppleWorks disk with the file SEG.AW in Drive 1.
3. Type the following:

POKE 768,5
POKE 769,46
POKE 770,46
POKE 771,46
POKE 772,152
POKE 773,153
BSAVE SEG.AW,TBIN,A\$300,L6,B\$48C

Enter the following to cancel this patch:

POKE 768,12
POKE 769,83
POKE 770,117
POKE 771,98
POKE 772,100
POKE 773,105
BSAVE SEG.AW,TBIN,A\$300,L6,B\$48C

Patch 10: Change "Disk:" and "Disk volume:" to Mousetext Disk

This patch displays a graphic representation of a floppy disk instead of the words "Disk:" and "Disk volume:" where they appear on AppleWorks screens. Follow these steps to install this patch:

1. Boot the computer with the BASIC disk.
2. Insert the AppleWorks disk with the file SEG.AW in Drive 1.
3. Type the following:

POKE 768,4
POKE 769,154
POKE 770,158
POKE 771,58
POKE 772,32
BSAVE SEG.AW,TBIN,A\$300,L5,B\$3C4
BSAVE SEG.AW,TBIN,A\$300,L5,B\$326

Enter the following to cancel this patch:

POKE 768,6
POKE 769,68
POKE 770,105
POKE 771,115
POKE 772,107
BSAVE SEG.AW,TBIN,A\$300,L5,B\$3C4
POKE 768,12
POKE 769,68
POKE 770,105
POKE 771,115
POKE 772,107
BSAVE SEG.AW,TBIN,A\$300,L5,B\$326

Conclusion

You now have a total of 31 patches you can use to customize your personal copy of AppleWorks. The ideas for some of these patches were generated by suggestions from fellow AppleWorks users. If you would like to suggest patches for future versions of SuperPatch, please describe them in a letter you mail to: John Link, NAUG, Box 87453, Canton, Michigan 48187. I will not be able to respond individually to each letter, but I will consider your suggestions when developing new patches.

[John Link is a Professor of Art at Western Michigan University. He is the developer of SuperPatch and is an AppleWorks consultant.]

[NAUG thanks John Link for writing this series of articles in which he shared many of the insights he used to develop SuperPatch, a commercial product that installs more than 100 patches in AppleWorks 3.0]



AppleWorks then.

Introducing the most powerful, most versatile AppleWorks® in history.

AppleWorks 3.0, with everything you expect from AppleWorks. Plus a lightning-fast spell checker. Advanced spreadsheet

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In fact, AppleWorks has expanded in all directions. But it still runs on a modest 128K. Very fast.

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800-628-2100. We'll race you a copy of the AppleWorks upgrade.

Then your Apple II will cover even more ground than it does now.

Introducing AppleWorks 3.0.

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Late News about Ten AppleWorks Products

Alpha Check

ACTASoft recently released version 3.1 of Alpha Check, a personal and small business check writing and financial accounting package that works within AppleWorks. (See the review of Alpha Check in the October 1989 issue of the *AppleWorks Forum*.) New features in version 3.1 include compatibility with TimeOut UltraMacros 3.1, a "transfer port" that transfers Alpha Check data directly into the 1040Works income tax templates, additional memo categories that enhance the reporting capability of the program, and additional budgeting and personal financial bar graph reports.

ACTASoft also released Business Pack, an Alpha Check enhancement that adds features requested by businesses. The Business Pack includes profit and loss statements, balance sheets, business ratios, and a program that uses the federal withholding tables to generate payroll checks and a payroll report.

Alpha Check has a suggested list price of \$49.95 plus \$3.50 s/h. Business Pack costs \$19.00 plus \$2.50 s/h, and the combined Alpha Check and Business Pack list price is \$65.00 plus \$3.50 s/h. NAUG members can purchase these items directly from ACTASoft at the following prices: Alpha Check: \$29.95; Business Pack: \$10; Combined Alpha Check and Business Pack: \$39.95. Add the shipping charges to these special NAUG prices.

[ACTASoft, 19700 Wells Drive, Woodland Hills, California 91364; (818) 996-6731.]

America Online

America Online (formerly AppleLink-Personal Edition) recently instituted a \$5.95 monthly service charge in addition to the regular on-line rates. The service notified its users with on-line messages outlining the new fee structure. However, account holders who have not logged on might be surprised when this new charge appears on their monthly credit card statement.

If you hold an AppleLink-Personal Edition account and do not plan to use America Online, cancel your account either on-line by using the keyword "Hotline" or by mail to Quantum Computer Services, 8619 Westwood Center Drive, Suite 200, Vienna, Virginia 22182, Attn: Cancellations. Include the name you used to register the account, your address, home and daytime telephone numbers, your screen name, and your signature.

Applied Engineering

The PC Transporter is a card that lets you run MS-DOS programs on Apple IIe and IIGs computers.

Applied Engineering recently introduced version 2.0 of the PC Transporter System Disk. Version 2.0 lets MS-DOS access two 32-megabyte ProDOS partitions as one large MS-DOS volume, thus letting you store large MS-DOS files that will not fit in a single 32 megabyte ProDOS volume. Apple software still must adhere to the ProDOS limitation of a maximum of 32 megabytes in each volume.

Version 2.0 of the PC Transporter System Disk, which Applied ships with all new PC Transporter systems, is available from local dealers or directly from Applied Engineering for \$25.

[Applied Engineering, Box 5100, Carrollton, Texas 75011; (214) 241-6060.]

Beagle Bros

AW 3.0 Companion: Beagle Bros recently released version 1.2 of the AW 3.0 Companion, a program that lets you customize AppleWorks. Companion 1.2 fixes some bugs in the earlier versions of the program and lets you change the AppleWorks word processor default settings for the top margin, bottom margin, and line spacing. The latest version of the Companion also lets you set Proportional-1 or Proportional-2 as your default word processor fonts. If you have the AW 3.0 Companion, you should update to version 1.2.

NAUG members can get a free update to version 1.2 by sending **NAUG** an original 3.5-inch or 5.25-inch **AW 3.0 Companion** disk and a self-addressed, stamped return mailer. We will send you a replacement disk supplied by Beagle. We would appreciate, but do not require, a \$1 donation to reimburse the group for its expenses.

TeleComm 1.2: Beagle Bros recently announced version 1.2 of **TimeOut TeleComm**, a telecommunications utility program that works within **AppleWorks**. **TeleComm 1.2** offers more reliable **Xmodem** file transfers and makes **TeleComm** compatible with copies of **AppleWorks 2.0** and **2.1** expanded with the **Applied Engineering's AW2 Expander** program.

NAUG members who experience these problems can get a free update to version 1.2. Send **NAUG** an original 3.5-inch or 5.25-inch **TeleComm** disk and a self-addressed, stamped return mailer; we will send you a replacement disk supplied by Beagle. We would appreciate, but do not require, a \$1 donation to reimburse the group for its expenses.

MacroEase: Beagle recently announced a **MacroEase** upgrade path for owners of **MacroTools** or **MacroTools II**. Return an original **MacroTools** or **II** disk directly to Beagle Bros and you can purchase **MacroEase** for \$20.00 plus \$3.50 s/h.

[Beagle Bros, 6215 Ferris Square, Suite 100, San Diego, California 92121; Outside California: (800) 345-1750. In California: (800) 992-4022.]

JEM Software

PathFinder 3.0: JEM Software released an **AppleWorks 3.0**-compatible version of its **PathFinder** utility program. **PathFinder** makes it easy to add or delete a subdirectory from the current path, rename, lock, and unlock files, and delete empty subdirectories. (It is difficult to delete an empty subdirectory from within **AppleWorks**.) **PathFinder 3.0** costs \$20 including postage. Owners of earlier versions of **PathFinder** can update to 3.0 for \$5; send JEM your original **PathFinder** disk with your payment.

DoubleData 1.3: JEM also released version 1.3 of **DoubleData**, an **AppleWorks** enhancement that lets you access up to 60 categories in a data base file. Version 1.3 fixes problems that appeared when earlier versions of the program tried to import files

with "deleted" categories. **DoubleData** also improves the mail merge module so you can use any 30 of the 60 categories in a mail merge document.

JEM mailed **DoubleData 1.3** to all registered owners of the program. **DoubleData** costs \$30 including postage.

[JEM Software, Box 20920, El Cajon, CA 92021.]

NAUG

NAUG members with **Panasonic** printers will appreciate a 5-page article by Stan Hecker that describes how to use the features of the **Panasonic KX-P1091** printer. The article describes how to get italics, proportionally-spaced and fully justified text, and other features available with that printer. Mr. Hecker's article also includes information about some of the limitations of the **KX-P1091** (e.g., italics only work at 5, 6, 10, and 12 characters per inch).

To get a copy of the article, send **NAUG** a self-address, stamped #10 envelope and request the "Panasonic Printer Codes".

Mail to: **Panasonic Printer Codes, NAUG, Box 87453, Canton, MI 48187.**

Ruth Witkin

The Howard W. Sams division of **Macmillan Publishers** recently released *The Best Book of AppleWorks*, by Ruth K. Witkin. This 475-page text is a major upgrade of Ms. Witkin's earlier book, *Managing with AppleWorks*.

The Best Book of AppleWorks takes a business perspective. Chapters include "Managing Your Cash-flow", "Designing a Spreadsheet Billing System", "Keeping Track of Your Receivables", and "Creating an Employee Data Base". Each section includes a well written introduction and step-by-step procedures that generate useful spreadsheet, data base, and word processor templates.

Ms. Witkin offers numerous tips and techniques, including ideas that use the new features available only in **AppleWorks 3.0**

The Best Book of AppleWorks has a suggested list price of \$21.95 and is available from local bookstores.

Latest Additions to NAUG's Library

by Brian Theil

AppleWorks Footnote System

The NAUG Public Domain Library now includes an AppleWorks 3.0-compatible version of the AppleWorks Footnote System, a series of macros that automatically place footnotes at the bottom of the page in AppleWorks word processor documents. The macros on this disk automatically mark where numbered footnote references will appear. Other macros on the disk print your document with footnotes at the bottom of the appropriate page or with endnotes at the end of the document. A word processor file on the disk includes complete and well written documentation.

The AppleWorks Footnote System is compatible with AppleWorks 2.0 or later, and requires any version of TimeOut UltraMacros.

We thank Stan Hecker of East Lansing, Michigan for developing the macros and documentation on this disk and donating his work to the NAUG Public Domain Library.

The AppleWorks Footnote System disk cost \$4 (5.25-inch) or \$6 (3.5-inch) plus \$2 s/h per order.

1990 Income Tax Estimator

The Income Tax Estimator on NAUG's HOME 01 disk is a spreadsheet template that provides a quick and easy way to estimate your Federal Income Tax. The template is particularly useful for tax planning and investment decisions. You can also use the Tax Estimator to compute the amount you should pay in estimated taxes to avoid penalties.

NAUG recently updated the Tax Estimator so it will estimate the Federal Income Tax due for 1990. This disk is available in both AppleWorks Classic and AppleWorks GS formats. For AppleWorks Classic, request HOME 01; for AppleWorks GS, order AWGS HOME 01B.

The AppleWorks HOME 01 disk cost \$4 (5.25-inch) or \$6 (3.5-inch). The AppleWorks GS HOME 01B disk costs \$6. Add \$2 s/h per order.

Payroll Calculator

The Payroll Calculator is a collection of spreadsheet templates that serve as a payroll system for small businesses with up to 25 hourly and nine salaried employees. The templates compute gross earnings, FICA and FIT withholding, and allow up to two user-defined deductions. Separate templates allow weekly, bi-weekly, monthly, or semi-monthly payroll periods. The templates include all necessary formulas for 1990 calculations and can be easily updated for future years.

The Payroll Calculator Disk includes excellent documentation in an AppleWorks word processor file. Help is also available from the author on CompuServe and America Online. This disk is shareware; the author, F. Dean Baird, requests a \$25 payment if you use these templates. If you use the disk, you should send the shareware payment directly to the author, not to NAUG.

The Payroll Calculator Disk costs \$4 (5.25-inch) or \$6 (3.5-inch) plus \$2 s/h per order.

Geometry Worksheets

The NAUG Public Domain Library now includes GEOMETRY 01 and GEOMETRY 02, two disks developed by NAUG member Mitchell Bernstein that will interest mathematics teachers. These bootable disks download a special geometry font to an ImageWriter I or ImageWriter II printer. That gives your printer the capability to generate mathematical characters, symbols, and shapes not available in the standard character set. Then you can use the AppleWorks word processor files on the disk to generate more than 100 worksheets, quizzes, grids, graphs, and even a seating chart/gradebook combination you can print with this special font.

Public Domain Update...

The Geometry disks are compatible with all versions of AppleWorks and with all Apple II computers capable of running AppleWorks. Apple IIe owners must have an Apple Super Serial Card; the disks are not compatible with other printer interface cards.

Documentation is included in a word processor file on each disk. If you are curious about the output, send NAUG a self-addressed, stamped envelope for a sample of two of the worksheets on these disks.

The Geometry disks are shareware. The author requests that you submit payment of \$5 for each disk you find useful. If you use the disk, you should send your shareware payment directly to the author, not to NAUG.

The two-disk set costs \$8 in 5.25-inch format or \$12 in 3.5-inch format. Add \$2 s/h per order.

Wellman Templates and FormsWorks now in AppleWorks GS Format

The NAUG AppleWorks GS library now includes the Wellman templates and the FormsWorks legal forms.

A description of the Wellman disks appears in the November 1989 issue of the *AppleWorks Forum*. A description of the FormsWorks templates appears in the February 1990 issue.

Our thanks to Karl Schober, who converted these disks from their original AppleWorks format.

The AppleWorks GS versions of the Wellman 01, Wellman 02, FormsWorks 01, and FormsWorks 02 disks each cost \$6 plus \$2 s/h per order.

NAUG at AppleFest

The National AppleWorks Users Group will present two half-day AppleWorks seminars at AppleFest '89 in New Jersey. The presenter, Dr. Warren Williams, is President of NAUG and is a frequent contributor to the *AppleWorks Forum*. He has written more than 75 articles about AppleWorks and has conducted more than 100 AppleWorks seminars throughout the country.

The seminars, modeled after NAUG's popular "AppleWorks: Beyond the Basics" presentations, are scheduled on May 3 and 4 at the Garden State Convention Center. For additional information, contact AppleFest at 1-800-262-FEST.

Beagle Bros Update

Beagle Announces TextTools and MacroEase

Beagle Bros recently announced TimeOut TextTools and MacroEase, two new enhancement products for AppleWorks 3.0. TextTools adds ten useful features to the AppleWorks 3.0 word processor. MacroEase is a collection of TimeOut enhancements, UltraMacros 3.1 applications, and sample macros. Beagle expects to ship MacroEase by April 1 and TextTools by May 1.

TimeOut TextTools

TextTools includes the following modules:

Analyst: Generates a list of the words in a document and the number of times each word appears.

Block Copy: Copies blocks of text in the word processor, making it easy to work with columns.

Glossary: Memorizes strings of letters and words and enters those characters in documents with a few keystrokes.

Index Generator: Prepares an index for a document.

Mark Merge: Lets you integrate data base information into word processor documents without putting the data on the AppleWorks clipboard. Mark Merge also lets you use data base information to complete full-page forms.

MultiPrint: Prints a series of documents in a single operation. MultiPrint lets you print numerous reports or letters without sending each document to the printer individually.

QuickStyles: Maintains a collection of formatting commands in a Style List. You can then invoke sets of options from the list. Valuable for anyone who prepares heavily formatted documents.

QuickTabs: Lets you establish a collection of Tab Rulers and insert those rulers in a document by selecting them from a menu. That makes it easy to prepare heavily formatted documents that require different tab settings.

SuperFind: Finds and replaces text containing imbedded commands (such as boldface and under-

Beagle Bros Update...

line) and printer options. For example, SuperFind lets you change all LM=2.0 settings to LM=1.5 in a single operation.

Table of Contents Generator: Prepares a table of contents for a document. You insert markers in the text and then invoke the TOC Generator to prepare the table of contents in a format you specify.

TextTools has a suggested list price of \$49.95.

TimeOut MacroEase

MacroEase is a collection of TimeOut modules, UltraMacros 3.1 applications, and sample macros that work with TimeOut UltraMacros. The TimeOut modules include the following:

Debug: A debugging tool that lets you view and edit UltraMacros variables while running a macro.

File Status: Displays information about a file such as its desktop number, the size of the file, the file type, and whether the file is currently marked as new, saved, unchanged, or changed.

Primer Reference: An on-line reference guide that describes each UltraMacros token and lists where to find information about each token in *The UltraMacros Primer*, an UltraMacros handbook published by NAUG.

UltraLock: Locks a set of macros so users cannot list the macros with the Macro Compiler.

UltraPlus: A powerful tool that lets programmers who know 6502 Assembly Language add new commands to UltraMacros.

Ultra Reference: Describes each UltraMacros token and gives the page number in the UltraMacros manual that contains information about the token.

MacroEase also includes the following UltraMacros applications:

DBLinks: A task file that lets you create a separate word processor document that is linked to a record in a data base file. That gives you a large text entry area for each record in a data base.

EasyBudget: A personal accounting program.

QuestionWriter: A task file you can use to build interactive multiple choice tests.

UltraPublish: A task file that converts AppleWorks word processor files into two or three column documents.

The MacroEase disk also contains more than 200K of sample macros, including the most popular macros from the MacroTools and MacroTools II disks updated for AppleWorks 3.0.

MacroEase has a suggested list price of \$39.95. Owners of MacroTools or MacroTools II can purchase MacroEase directly from Beagle for \$20.00 plus \$3.50 s/h.

[Beagle Bros, 6215 Ferris Square, Suite 100, San Diego, California 92121; Outside California: (800) 345-1750. In California: (800) 992-4022.]

Bulletin Board News

NAUG recently upgraded its popular AppleWorks bulletin board, the Electronic Forum, to a new, more powerful, multi-user system. The new telephone number is (313) 736-8102.

SuperPatch 6.1

Customize AppleWorks 2.0, 2.1, and 3.0

Adds clock, auto date stamping in DB and SS reports, MouseText, insert and overstrike cursors, reverses No/Yes queries, enhanced printer drivers for the ImageWriter I & II, Star Gemini, and Epson printers (2.x only), and many more. De-installs most patches too! Earlier versions of SuperPatch have been recommended by NAUG, Call - A.P.P.L.E., the Miami Herald, and A2-Central. Now includes printed manual and telephone support.

\$39.95

Quality Computers
15102 Charlevoix
Grosse Pointe, MI 48230
(800) 443-6697

How to Copy Records between Files

by Jason Chao and Warren Williams

The first time you use the clipboard to copy or move records between data base files in AppleWorks 3.0, you are in for a surprise. If you learned how to transfer data with an earlier version of AppleWorks, your first reaction will be confusion, but you will soon recognize the flexibility offered by this undocumented change in version 3.0.

Earlier versions of AppleWorks always copy complete records to the clipboard; you tell AppleWorks which records to copy and it copies the data in every category for the records you identify. The data is placed on the clipboard in the order in which you originally defined the categories. That lets you easily transfer the data between data base files, as long as the two files have the same categories and the categories were originally defined in the same order when you created the files. That approach makes the clipboard easy to use, but inflexible.

New Method in AppleWorks 3.0

AppleWorks 3.0 uses the multiple record layout display to define what gets stored on the clipboard. You control what you transfer between files by rearranging, inserting, and deleting categories from AppleWorks' multiple record layout display. Thus, you can transfer data between files even if those files have dissimilar categories.

Here are some hints and suggestions to help you transfer data between files in AppleWorks 3.0:

1. Both the receiving and sending files must have the identical multiple record layout displays for the transfer to go smoothly. Delete categories from the multiple record layout display of the sending file that you do not want to transfer to the new file. Delete categories from the receiving file's display if no corresponding categories exists on the display in the sending file.

Remember that the multiple record display in AppleWorks 3.0 scrolls off the right-hand edge of the screen; even the undisplayed portion of

the multiple record layout format must correspond on each file.

2. Once the files match, save the multiple record layout formats as report formats so you can easily transfer data between those files in the future.
3. If the data base files have identical structures but dissimilar multiple record layouts, you should reconstruct the default multiple record layout display for both files. Here is the easiest way to proceed:
 - A. Create a new tables format report that uses the current multiple record layout. That will preserve your current multiple record layout.
 - B. Create a new tables format report "from scratch", but do not change the default report format. That format includes every category in the original sequence you used to define the data base file.
 - C. Issue an Apple-L command and indicate that you want to use the new report format as the basis for the multiple record layout display.

These procedures save both the default multiple record display and the current display. You can use the Apple-L command to switch between those two displays.

Do this for both the sending and receiving files. In the future, you can use these report formats to re-create the multiple record layout display you need to transfer data between files.

Eventually, you will appreciate AppleWorks 3.0's ability to transfer data between dissimilar files. But you can expect some frustration as you learn the necessary procedures.

[Jason Chao, M.D., is an Assistant Professor of Family Medicine at Case Western Reserve University.]

Expand and Shrink Spreadsheet Columns

by William Neef

Spreadsheet users often have to increase or decrease column widths, a task that requires numerous keystrokes in AppleWorks. The default macros built into TimeOut UltraMacros include two macros that make it easy to quickly expand and shrink a spreadsheet column. Issue a <ba-> with a spreadsheet on the screen, and UltraMacros adds eight characters to the width of the current spreadsheet column. Issue a <sa-->, and UltraMacros deletes the same number of characters from the current column width. In both cases, the macro stops at the point where you can use the Apple Arrow Keys to further expand or narrow the width of the current column.

This month, we feature two macros that enhance the original expand/shrink macros included in the UltraMacros default set. The macros were devel-

oped and submitted by John Nipe, of Highland Village, Texas. Mr. Nipe's macros display the width of the current column and ask you the number of characters you want to expand or shrink that column width. You can also respond with a zero to the "How many spaces wider (narrower)?" prompt and the macro will display the current column width and terminate. You invoke the Expander macro by entering a <ba->; you invoke the Shrinker macro by typing a <sa-->.

Like most macros, you can customize the expand/shrink macros to suit your own applications. *Figure 1* presents the macros submitted by Mr. Nipe.

[Submit your favorite macros to "My Favorite Macro", NAUG, Box 87453, Canton, Michigan 48187.]

Figure 1: Expander and Shrinker Macros

<ba-><asp:	{ define Expander macro.	<sa--><asp:	{ define Shrinker macro
begin:	{ Return here if there is an error.	begin:	{ Return here if there is an error.
msgxy 1,22:	{ Position text.	msgxy 1,22:	{ Position text.
msg &A&:	{ Display Open Apple in front of message.	msg &A&:	{ Display Open Apple in front of message.
msgxy 2,22:	{ Position for message text.	msgxy 2,22:	{ Position for message text.
msg 'Column is ' + str\$ peek #ccwidth + ' spaces wide. How many spaces wider? (0-15) ':	{ Width of current column and question.	msg 'Column is ' + str\$ peek #ccwidth + ' spaces wide. How many spaces narrower? (0-15) ':	{ Width of current column and question.
msgxy 59,22:	{ Position to display next character.	msgxy 61,22:	{ Position to display next character.
msg &A&:	{ Display Open Apple at end of message.	msg &A&:	{ Display Open Apple at end of message.
\$3 = getstr 2:	{ Get 2 character answer.	\$3 = getstr 2:	{ Get 2 character answer.
y = asc \$3:	{ Get decimal value of the string.	y = asc \$3:	{ Get decimal value of the string.
if y = 48 then	{ If user entered zero, clear msg	if y = 48 then	{ If user entered zero, clear msg
msgxy 1,22:	{ area and quit.	msgxy 1,22:	{ area and quit.
msg %A%:		msg %A%:	
endmacro:		endmacro:	
else		else	
x = val \$3:	{ Otherwise convert to a number and	x = val \$3:	{ Otherwise convert to a number and
if x = 0 or x > 15 then	{ check the range.	if x = 0 or x > 15 then	{ check the range.
rpt:	{ If out of range, return to "begin".	rpt:	{ If out of range, return to "begin".
else>		else>	
<oa-L>C<rtm>C<begin:	{ Set up layout for columns.	<oa-L>C<rtm>C<begin:	{ Set up layout for columns.
oa-right:	{ Go right once.	oa-left:	{ Go left once.
x = x - 1:	{ Decrement the counter.	x = x - 1:	{ Decrement the counter.
if x > 0 then	{ If not at zero, then...	if x > 0 then	{ If not at zero, then...
rpt:	{ ...return to "begin".	rpt:	{ ...return to "begin".
else:	{ If at zero, then...	else:	{ If at zero, then
rtm:	{ finish with oa-L and	rtm:	{ finish with oa-L and
msgxy 1,22:	{ clean out the message	msgxy 1,22:	{ clean out the message
msg %A%:	{ area.	msg %A%:	{ area.
msgxy 0,128>!		msgxy 0,128>!	

Help with AppleWorks Utilities

by Nanette Luoma

Each month, the *AppleWorks Forum* lists the member-volunteers who offer technical support for AppleWorks products. This month's list identifies the volunteers who can answer questions about utility software for Apple computers. Next month's issue will contain a list of members who offer help with AppleWorks-compatible hardware and printers.

AppleWorks Utilities

How to Use This List

To the left of each volunteer's name are numbers indicating the utilities the consultant supports. Volunteers are listed alphabetically by state.

- | | |
|---------------------|------------------------|
| 1 = ProDOS | 4 = Disk/File Recovery |
| 2 = File Conversion | 5 = ProSel |
| 3 = Copy II+ | 6 = EasyDrive |

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3,6	Norma Gradwohl	Mobile	205-343-4905	205-343-4905
Arizona				
3	Clay Evitts	Tucson	602-885-9789	602-296-5491
California				
1	Dan Balsley	San Ramon	415-829-5085	
3	Brian Blue	Danville	415-838-0997	415-954-6002
3	Don Farrar	Pleasant Hill	415-932-5509	
1-5	Terence P. Higgins	Hayward	415-887-7499	415-887-7499
3	Wayne Kliman	Santa Barbara	805-967-3620	
3,5	Will Nelken	San Rafael	415-459-0845	415-456-1795
5	Jesus Orosco	Milpitas	408-270-1011	408-945-4344
Colorado				
1-5	Gary P. Armour	Littleton	303-933-9493	303-972-4665
2,3	John Lefebvre	Thornton	303-451-5558	303-457-2852
1,3	John Loren	Littleton	303-978-0603	
1	Dr. Larry Thaele	Boulder	303-939-9072	303-492-2717
Connecticut				
5	Martin Knight	Middletown	203-346-9698	203-347-8594
Delaware				
3	W. Henry Linton, Jr.	Wilmington	302-478-3740	
Florida				
1,3,4	H. Clay Bailey	Jacksonville	904-744-2499	904-725-3477
3	Robert J. Booz	Port Richey	813-868-1802	
1	Michael R. Childers	Hollywood	305-966-5475	305-624-2400
3	Ronald Stankiewics	Patrick AFB		407-494-2227
1-6	Jeff Strichard	Ft. Lauderdale	305-587-9590	
1-5	Mike Ungerman	Oviedo	407-366-0060	407-366-0156

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Illinois				
1-3	William Davis	Hinsdale	312-655-9142	312-887-1730
1-3	George Duffey	Bloomington	708-894-0849	708-451-3106
Indiana				
3	Jack Countryman	Greensburg	812-663-4998	
3	Kevin Gold	Indianapolis	317-290-8948	317-543-7098
3	Laura J. Kelley	Gwynneville	317-763-7290	
Iowa				
1,3	Keith M. King	Ft. Madison	319-372-9521	
1,3,5	Stephen May	Audubon	712-563-2925	712-563-4217
Kentucky				
2	Donald L. Corson	Louisville	812-256-3517	502-473-3083
Louisiana				
1-3	Charles Fryling, Jr.	Baton Rouge	504-766-3120	504-388-1473
Maryland				
3	Raymond Greenberg	Darnestown	301-330-4912	301-353-4959
3	Ben Maser	Owings Mills	301-252-7884	301-887-0717
1-5	Ray L. Settle	Arnold	301-647-9192	301-887-0106
Michigan				
3	Jim Anker	Auburn Hills	313-391-0033	313-544-5344
1-5	Pete Ross	Wayne	313-728-8269	
3	Deborah Williams	Grosse Ile	313-671-0267	313-675-1550
Minnesota				
1-5	James Hirsch	Coon Rapids	612-421-8393	612-422-5572
3	David Ernest Johnson	Minneapolis	612-824-2728	612-824-2728
3	Dick Kenfield	Hopkins	612-938-4382	
Missouri				
1,3,5	Whit Crowley	Manchester	314-394-7955	
1-4	Bob Suits	Columbia	314-445-6082	
Montana				
1-3	Steve Bernbaum	Shepherd	406-373-6393	
Nebraska				
5	Jim Corbin	Bellevue	402-291-7285	402-331-7312
1-4	John W. Kelley	Omaha	402-397-3485	
1-5	Larry B. McEwen	Hastings	402-463-2267	402-461-7550
Nevada				
1,3	Keith Johnson	Sparks	702-359-2543	702-784-4812
New Hampshire				
3	Phil Kirkpatrick	Keene		603-352-0640
New Jersey				
2,3	Pete Crosta	Nutley	201-667-6369	201-677-4050
1,3,5	Jay Hubschman	Fairfield	201-575-1968	201-624-8046
3	Link Kuer	Augusta	201-875-2568	201-992-7000

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3,5	Willis George, Jr.	Albuquerque	505-897-4886	505-883-9743
3	David Selwyn	Las Cruces	505-522-7622	
New York				
3	Bob Beer	Coram	516-928-6870	
1-3	Linda Doscher	New York	914-358-7064	
3	David W. Gagnon	Gowanda	716-532-4870	
1,3	Carlos M. Madan	Morrisville	518-562-0779	518-359-3322
3,5	Larry Merow	Sayville	516-567-0603	516-422-0315
1-4	James L. Nicoll	Pittsford	716-381-9480	716-546-6732
1-4	Terry Williamson	Orchard Park	716-662-5104	716-873-9750
North Carolina				
5	Marc Apfelstadt	Greensboro	919-282-1494	919-334-5970
Ohio				
1-5	Jason Chao	Cleveland Hts.	216-321-5451	216-844-3791
1,3,4	Jason Fogt	Lakeview	513-843-5779	
1,3	Carman Greco	St. Clairsville	614-695-5026	
1-3	Robert J. Netro	Canton	216-477-3667	
3,5	Robert M. Weis	Beavercreek	513-429-4169	513-257-6836
Oklahoma				
3,5,6	Jerry Don Venable	Guymon	405-338-3723	405-338-3616
Oregon				
1-4	Jim Emig	Portland	503-771-1916	503-280-5666
1,3,6	M.W. Fox	Corvallis	503-754-7623	503-737-3628
1	Dave Lomax	Lake Oswego	503-636-7289	
Pennsylvania				
1-4	Martin Friedman	Broomall	215-353-2753	
3	Richard L. Gable	Pittsburgh	412-963-6158	412-963-1128
5	William D. Hall	Philadelphia	215-824-1160	215-441-0800
3	Charles R. Schultes	Lehighton	215-377-5169	215-377-6180
1-4,6	Bruce Shanker	Warminster	215-674-0118	
5	Hal Shapiro	Eagleville	215-630-8936	215-922-0500
Rhode Island				
1,3	Donald McCabe	Westport	401-294-6256	508-636-2611

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Tennessee				
1-3	Bob Evridge	Knoxville	615-693-8817	615-693-9242
3	Joel Goldman	Nashville	615-352-3617	
Texas				
3,5	Larry Jones	El Paso	915-533-3302	915-565-3016
1,3-5	Joseph Kline	Lubbock	806-796-0829	
Vermont				
1,5	Douglas C. Corey	Middlebury	802-388-6209	802-388-4021
3	Linda Metzke	Concord	802-748-3298	802-626-9371
Virginia				
1-4	Peter Pfeiffer	Herndon	703-437-1985	703-834-3618
Australia				
1,3,5	Dr. Jules S. Black	Bondi Junction	612-327-7501	612-389-8881
1,3	Ralph Morgan	Tweed Heads	075-369352	
Canada				
1,3,5	Jean Guy Mariage	Shannon	418-844-2932	418-844-5268
1,3	Terry Price	Schomberg	416-939-8104	
1,3,5	Robert Sutherland	Toronto	416-465-2945	
1-5	Nick W. Van Helsdingen	Tranquillity Base	604-296-3260	
England				
3	Andrew Letchford	Plymouth	752-766435	
France				
3	Henry Marsh	Fontenay Aux Roses	43502745	43502745
Mexico				
1-4	Harve Thorn	Mexico City	525-554-4283	525-516-7568
Saudi Arabia				
1-4	Ken Burnell	Dhahran, 31311	966-38789173	966-38750051
Venezuela				
1-3	Omar Quintero	Caracas	02-241-1366	02-291-2526

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 Advanced Techniques • 22 • Patches that Customize AppleWorks 3.0—Part 3 • Link, John • patches; AppleWorks 3.0
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 Public Domain Update • 29 • Latest Additions to NAUG's Library • Theil, Brian • public domain; footnotes; taxes; payroll; geometry; Wellman Templates; FormsWorks
 Beagle Bros Update • 30 • Beagle Announces TextTools and MacroEase • N/A • Beagle Bros; TextTools; MacroEase
 Data Base Tips • 32 • How to Copy Records Between Files • Chao, Jason; Williams, Warren • AppleWorks 3.0; clipboard; data bases
 My Favorite Macro • 33 • Expand and Shrink Spreadsheet Columns • Neef, William • macros; UltraMacros; spreadsheets
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