TEXAS II

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An international disk newsletter for users of AppleWorks ® 5.1
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TEXAS II v7.5: *More about the Apple II and the Year 2000.*

In our last newsletter, we talked about Year 2000 problems with ProSel's Volume Repair and Mr. Fixit, and gave the patches to fix them. We also said that another problem exists with ProSel-16's *File Finder,* a utility for finding files, or the contents of files, on disk. When the file is found, File Finder shows [no date] for all files created or modified from January 1, 2000 to July 31, 2000. Unlike Volume Repair and Mr. Fixit, which rejected dates for 76 years, File Finder only excludes the first 7 months of the year 2000.

```
MACRO.07.31.00    1  AWP  [no date] 11:46  [no date] 11:46
```

At that time we said we did not have a fix for ProSel-16's File Finder. Well, now we do.

Get into Block Warden and F)ollow the ProSel-16 program file that you use. In my IIGS, that file is /HD1/SYSTEM/START. You may have a different setup, and your ProSel-16 file may have a different name or location. Use Block Warden's Search mode (invoked by pressing E)dit and then <Control-S>) to find the Ascii sequence $E2 30 F0 EB (you may leave out the spaces, but not the $). There is only one instance of $E2 30 F0 EB in my ProSel-16 Start file, found at byte $2A004 (yours may be different - it will be near the end). In the fourth byte of this sequence, change $EB to $00 ($2A007). Escape, W)rite the change to disk, and File Finder will no longer display [no date] for files dated 1-1-00 to 7-31-00.

```
Following:/PROSEL/SYSTEM/START,Type S16,Rel block 337,Byte $02A000
      00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F
------------------------------------------------------------------
000: 16 EB 85 E6 E2 30 F0 EB EB 29 1F 20 61 0C 20 4E .k.fb0pkk). a
                           ^^
                    change to 00
```

As we said in TEXAS II v7.4, ProSel-8's File Finder has no Year 2000 problems.

Question: Are you going to make the ProSel patches available as copyable files (like the AppleWorks updates), or do we have to patch ProSel ourselves, as described in the articles?

ProSel is a copyrighted, commercial program that is still sold today. Distributing the ProSel-16 program, patched for year 2000, would be equivalent to giving the entire program away. TEXAS II's patches have you get into ProSel's Block Warden and change a few bytes (very few). If you don't know how to use Block Warden, mail your ProSel 8 or 16 disk to TEXAS II, and we will do the patching for you. However, when patching ProSel-16, it is best if you work on your active, already-installed program, which resides on your hard drive. This should take 5-10 minutes, or no longer than it would take to install a new ProSel. TEXAS II will talk you through Block Warden on the telephone if necessary.

The ProSel patches in TEXAS II newsletters v7.4 and v7.5 can be installed now, and will be effective both now and after the year 2000. You do not have to wait until January 1, 2000 to install them. Some other patches, such as the fixes for AppleWorks and Sneeze, have ill effects if applied before January 1, 2000. ProSel's do not. You can apply them to ProSel today, and forget about it. The research to find and fix these Year 2000 problems in ProSel 8 and 16 took about 100 hours. Please respect our hard work, and do not give these patches to others without permission from TEXAS II.

Other Year 2000 news in brief: Versions of AppleWorks 2.0, 2.1, 1.3, and older have very serious problems in the Year 2000. When asking the user to enter the date, the AppleWorks 2.1 startup screen displayed a message, "Please enter the date. - Date must be 1988 or later, and in this form: 6/30/88." In fact it did allow entry of any year from 1983 to 1999; however, it will not allow the years 00 to 82. As a result, AppleWorks 1.x through 2.x won't start up at all if the user enters a date 01/01/00 or later.

The good news is - TEXAS II has fixed AppleWorks 2.0 and 2.1. The fixes are available on TEXAS II on Disk vol.29, as well as on a single disk called "AW2.2000," which we have prepared for the public ($6.00 US, $12.00 overseas). Please help us reach the older, long-time users of AppleWorks v3.0 and v2.x, and let them know that Year 2000 updates are available. We will also fix earlier (v1.x) versions of AppleWorks upon request.

Our friend Bruce Rapee sent this patch to the ProDos versions of *Dollars and Sense*:

The files DAS.MENUS and DAS.021 have the "19" hard-coded for the year in check printing, in the menus to Start A New Account, and to Extend Account Into New Year. Using BLOCK.WARDEN, change the "19" to "20" as follows:

C)hange to the directory where DAS.MENUS is located, and F)ollow the file DAS.MENUS. ^S)earch for the text string "19" which appears only one time. The "19" appears in an area which reads, in part: "October.November.December., 19.No." Change the 19 to 20 and save. Next, F)ollow DAS.021, ^S)earch for the text "19" which appears once. The "19" appears in an area which reads, in part: ".199.DAS.WORK." Change the 19 to 20 and save. This change should be made only after Jaunary 1, 2000.

Sneeze is a popular 8-bit program selector and utilities for the Apple II by Karl Bunker. On January 1, 2000, a few problems show up in Sneeze:

1. From January 1, 2000 to July 31, 2000, the ProDos screen date is not shown at all.
2. Beginning August 1, 2000, the ProDos screen date does show on the screen. However, it has a century of 19, and shows a 1-digit year.
3. Files with modification dates from 1/1/00 to 7/31/00 show as < No date >.

```
                         Sneeze              Screen date
                 Version 2.2, by Karl Bunker      ↓
                                                  ↓
Name              Type  Size   Modified    Aug  1, 190      9:58 AM

CUST.DICTIONARY   TXT   23.5K  <No Date>    ↑/↓ to move up/down
SNEEZE.UTILS      BIN   8.0K   <No Date>    1/9 to hop to beginning
```

Enter Sneeze 2000, an update for Sneeze v2.2 by TEXAS II. Sneeze 2000 fixes Sneeze's date problems and properly displays all dates. Our update is authorized by the original programmer, Karl Bunker. Along with our other updates for AppleWorks v2.0 through 5.1, will be on TEXAS II on Disk vol.29, which is shipping now.

The remaining pages of this newsletter include a chart called *Apple II Programs and the Year 2000*. This is an actual page from our Web Site at http://members.aol,com/A2MG. Setting up TEXAS II's Web site has been a very happy experience. We're enjoying making changes and additions almost every day (almost as fun as writing macros!). We hope that you have a chance to tour our multi-featured site with a browser on a PC or a Mac, and that all the colors, pictures, tables, music, animations, and other special effects work nicely for you!

Also included here are two new official pages for your printed manual for Bev's Free Patcher for AppleWorks 5.1. Version 6.9 of the Patcher includes two new patches (one for the year 2000), and is included on TEXAS II on Disk vol.29. Thank you for your support!

Apple II Programs and the Year 2000
by Beverly Cadieux,   © TEXAS II

Program	Problem	Serious?	Fix?	How?	Where?
AppleWorks v2.0 AppleWorks v2.1	Can't enter date after 99 at startup; ADB Date category rejects year 00 entry.	Very serious. Program will not start up at all.	Yes; okay to use the fix now.	1.Use our Replacement files, Aplworks.System and SEG.M0. 2. Use our AppleSoft Basic Patch	On TEXAS II's AW.2.2000 disk. Also on TEXAS II on Disk vol.29.
AppleWorks v1.2 and other v1.x	Can't enter date after 99 at startup; ADB Date category rejects year 00 entry.	Very serious. Program will not start up at all.	Yes; okay to use the fix now.	Mail a backup disk to TEXAS II, and we'll fix it for you. If we get lots of requests, we'll release an AW1.2000 disk.	Mail backup copy of startup and program disk to TEXAS II, 2503 Sherbrooke Ln., McKinney, TX 75070.
AppleWorks v3.0	<PD>, DB Report date hard-coded for century 19; DB date category rejects year 00 entry.	Somewhat serious.	Yes; use half now, half after 2000.	1.Use our Replacement Aplworks.System file. 2. Use our AppleSoft Basic Patch	On TEXAS II's AW.3.2000 disk. Also on TEXAS II on Disk vol.29.
AppleWorks v4.3	No Y2K problems as far as we know.	-	-	-	-
AppleWorks v5.1	Spreadsheet @Today(0) function won't work	Only if you use @Today.	Yes; only after 2000.	1. Use replacement SEG.SS file 2. Use Bev's Free Patcher	Only on TEXAS II on Disk vol.29.
Sneeze v2.2	No screen date from 1/1/00 to 7/31/00; Screen date has century 19. Disk catalog says <No date> from 1/1/00 to 7/31/00.	Medium; cosmetic.	Yes; use only after 2000.	New Sneeze.Utils file updated by TEXAS II, Authorized by Karl Bunker. Not for Unenhanced IIe.	On TEXAS II's Sneeze 2000 disk. Also on TEXAS II on Disk vol.29.
File-a-Trix	No Y2K problems as far as we know.	-	-	-	-

Program	Problem	Serious?	Fix?	How?	Where?
ProSel-16 Volume Repair ProSel-8 Mr. Fixit	In "fix" mode, file dates from years 00 to 76 are invalidated to 00/00/00.	Very serious. All file dates after 00 are *lost*. More ProSel 2000 details.	Yes; okay to use the fix now.	Use Block Warden. Don't know how? We'll fix it for you.	"Easy-to-follow" instructions included in TEXAS II newsletter v7.4 (printed).
ProSel-16 File Finder	File dates from 1/1/00 to 7/31/00 display as <No date>.	Cosmetic, but easy to fix.	Yes; okay to use the fix now.	Use Block Warden. Don't know how? We'll fix it.	Instructions in TEXAS II newsletter v7.5 (printed).
ProSel-8 File Finder	No Y2K problems as far as we know.	-	-	-	-
ProSel-16 Utilities ProSel-8 Cat Doctor	Cre/Mod Dates sort with year 00 before 99.	Annoying.	No fix	-	-
Dollars & Sense (ProDos)	Check date hard-coded century 19.	Very serious. Checks will be dated 1900.	Yes; only after 2000.	Block Warden	Instructions in TEXAS II newsletter v7.5 (printed) and in TEXAS II on Disk vol.29.
Quicken (ProDos)	Check date hard-coded for century 19. Check date, Check register, Searches limited to 1968-1999.	Very serious. Checks will be dated 1900.	No fix yet	Written in Pascal? How could this be?	Still working on it.
More Y2K problems?	Let us know!	Could be.	Sure.	Any way we can.	-

Things to look for in your Apple II programs: Set your system date to 1/1/00, and create and save some files. Then use your program to look for -
- A permanent century of 19
- Data entry of year 00 and as high as 76 prohibited.
- Lost dates, or <No date> display for dates after 2000, especially from 1/1/00 to 7/31/00 (first 7 months). To be sure, test both 7/31/00 and 8/01/00.
- One-digit years, as in 02/01/0.

If your programs have these or other symptoms of Y2K distress, they can probably be fixed. If you can't contact the original author or publisher, let us update it for you.

This patch lets you print data base reports with the categories, but without the File:, Report:, Page Number, and Date parts of the header. Instead of this -

```
File:   ADB                                          Page 1
Report: List                                  Nov 17, 1997
Disk            File            Type                  Size
--------------- --------------- --------------------- -----
/TEXAS.II       TEXAS II v7.0   Adb                     33
/TEXAS.II       TEXAS II v8.0   Adb                     30
```

You will get this -

```
Disk            File            Type                  Size
--------------- --------------- --------------------- -----
/TEXAS.II       TEXAS II v7.0   Adb                     33
/TEXAS.II       TEXAS II v8.0   Adb                     30
```

If you had a report title line, it will print.

With this patch installed, the setting is permanent. Other than using a macro to poke the old values back in, there is no way to get page numbers and dates back into reports unless you reverse the patch. Be sure you really want to do this before patching.

AppleWorks 5.1 introduced the new spreadsheet function, @Today(0). @Today(0) enters today's date by taking the AppleWorks date, calculating a Julian date, and converting it to a readable date based on the spreadsheet's value format. See page 64 of the AppleWorks 5.1 Delta manual for an explanation of the @Today function.

On January 1, 2000, something happens to the @Today(0) function in the AppleWorks 5.1 spreadsheet. Instead of displaying 1/01/2000, it displays another date, 7/28/1976. Later, on January 1, 2004, @Today(0) displays 1/01/1904, not 1/01/2004.

This patch fixes the @Today function so that it works correctly after 2000. You should not install this patch until January 1, 2000. If you install it before then, @Today will not work correctly in 1998 and 1999. Our <OA-?> status program shows the current setting for this patch:

Y2K setting in @Today function..................... 1998-1999

...means that the patch is not installed. @Today will work correctly through December 31, 1999.

Y2K setting in @Today function.................... 2000

...means that the patch is installed. @Today will work correctly after 2000, but not before.