
Subject: Appleworks use of HDD as desktop space
Posted by [Anonymous](#) on Wed, 11 Sep 2019 01:03:07 GMT
[View Forum Message](#) <> [Reply to Message](#)

Originally posted by: Bobbi

Later versions of Appleworks such as 4.3 and 5.1 come with a program called MEM.SYSTEM that lets one configure Appleworks to use either aux card banked RAM or slinky disk style RAM to extend the available desktop.

I have an Apple //e Enhanced with a lowly 128K (ie: the usual 64K of AUX banked RAM) and a shiny new MicroDrive/Turbo HDD. It seems to me that the MicroDrive/Turbo (or any reasonably fast mass storage device) should be at least as fast as a slinky RAM card.

I am wondering if anyone has ever successfully patched Appleworks to use space on a fast HDD partition (raw or with a ProDOS filesystem doesn't matter much to me) as Appleworks desktop? Seems it should be do-able in principle, but the devil as always is in the details.

Without more memory I can't run 5.1 at all, and 4.3 leaves me with a palty 20K desktop (and I can't really do much Timeout!) However there are not that many other uses for memory >128K on a //e really, so I would sooner not have to buy aux card RAM just for this.

Any thoughts? I found a thread from 2016 which seems to suggest Appleworks doesn't really use the Slinky as a RAM disk as such, but has a much lower level interface direct to the hardware, so this may be a lost cause ...

Subject: Re: Appleworks use of HDD as desktop space
Posted by [Hugh Hood](#) on Wed, 11 Sep 2019 02:00:43 GMT
[View Forum Message](#) <> [Reply to Message](#)

On 9/10/2019 8:03 PM, Bobbi wrote:

>
> Any thoughts? I found a thread from 2016 which seems to suggest
> Appleworks doesn't really use the Slinky as a RAM disk as such, but
> has a much lower level interface direct to the hardware, so this may
> be a lost cause ...
>

Bobbi,

Yes, I seem to recall posting in that thread. Even though AppleWorks reserves space on the slinky card and marks it in the directory as one large file, the slinky memory manager is accessing the card on the slinky-specific hardware level.

{I believe the AE RamFactor users manual is very instructive on how to

access the card at that level.}

So how much \$\$ is a 1 meg (or more) Aux card these days?

We used to pay a small fortune for a large RamWorks for use with AppleWorks, but I'll admit, that was another day and time. At a certain price point though, buying a stock 1 meg Rom 3 IIGS might be more economical than adding memory to a //e.

I will say AppleWorks 5.1 (with its built-in UltraMacros) was/is an amazingly useful program. Even in 2019, it's my tool of choice for most of my tasks in the small office I run, and I've got Macs and PCs, too.

Hugh Hood

Subject: Re: Appleworks use of HDD as desktop space
Posted by [Anonymous](#) on Wed, 11 Sep 2019 02:58:59 GMT
[View Forum Message](#) <> [Reply to Message](#)

Originally posted by: Bobbi

On Tuesday, 10 September 2019 22:00:50 UTC-4, Hugh Hood wrote:

> On 9/10/2019 8:03 PM, Bobbi wrote:

>

>>

>> Any thoughts? I found a thread from 2016 which seems to suggest
>> Appleworks doesn't really use the Slinky as a RAM disk as such, but
>> has a much lower level interface direct to the hardware, so this may
>> be a lost cause ...

>>

>

> Bobbi,

>

> Yes, I seem to recall posting in that thread. Even though AppleWorks
> reserves space on the slinky card and marks it in the directory as one
> large file, the slinky memory manager is accessing the card on the
> slinky-specific hardware level.

>

> {I believe the AE RamFactor users manual is very instructive on how to
> access the card at that level.}

>

> So how much \$\$ is a 1 meg (or more) Aux card these days?

>

> We used to pay a small fortune for a large RamWorks for use with

> AppleWorks, but I'll admit, that was another day and time. At a certain
> price point though, buying a stock 1 meg Rom 3 IIGS might be more
> economical than adding memory to a //e.
>
> I will say AppleWorks 5.1 (with its built-in UltraMacros) was/is an
> amazingly useful program. Even in 2019, it's my tool of choice for most
> of my tasks in the small office I run, and I've got Macs and PCs, too.
>
>
>
>
> Hugh Hood

Haha I remember being one of those back in the day looking enviously at the ads for 1Meg cards and wondering what one could ever do with so much memory. Of course back then I had a][+ so running Appleworks was a fantasy anyhow. The //e still feels like luxury computing to me, with its fancy lower case support and proper keyboard :)

I am not sure how easy it is to find aux card memory expansions on eBay. It would probably be cheaper to pick up a GS as you suggest, and I probably will sooner or later, but my focus is more on the (pure) 8 bit stuff. There are a few new offerings too, but these things end up rather expensive by the time they show up at my door here in Canada. (Weak dollar, expensive shipping, import duties, customs fees ...) Plus there are lot of other vintage computing things competing for my scarce bucks!

It is a shame there isn't an easy way to do this though, given what Appleworks uses the memory for. I guess the biggest issue is an HDD is a block device, whereas a slinky allows individual bytes to be read. I would guess a driver could be written if anyone still knows how ;)

Subject: Re: Appleworks use of HDD as desktop space
Posted by [Wayne Stewart](#) on Wed, 11 Sep 2019 05:47:57 GMT
[View Forum Message](#) <> [Reply to Message](#)

Plusworks for the II+?

Subject: Re: Appleworks use of HDD as desktop space
Posted by [Anonymous](#) on Wed, 11 Sep 2019 13:27:37 GMT
[View Forum Message](#) <> [Reply to Message](#)

Originally posted by: Bobbi

On Wednesday, 11 September 2019 01:47:59 UTC-4, Wayne Stewart wrote:
> Plusworks for the II+?

I also remember looking at that back in the day, but never had a copy.

Subject: Appleworks use of HDD as desktop space
Posted by [gids.rs](#) on Wed, 11 Sep 2019 15:03:15 GMT
[View Forum Message](#) <> [Reply to Message](#)

Just out-of-curiosity, what does 4.3-5.1 offer you that Appleworks 3 doesn't? (which works on a 128 kb)

Subject: Re: Appleworks use of HDD as desktop space
Posted by [Anonymous](#) on Wed, 11 Sep 2019 16:00:49 GMT
[View Forum Message](#) <> [Reply to Message](#)

Originally posted by: Bobbi

On Wednesday, 11 September 2019 11:03:16 UTC-4, I am Rob wrote:
> Just out-of-curiosity, what does 4.3-5.1 offer you that Appleworks 3 doesn't? (which works on a 128 kb)

Mainly the possibility to use Timeout. I should investigate what I need to download to add Timeout to my AW3.0 installation maybe. This is mostly for historical curiosity rather than for some mission critical need mind you!

Subject: Re: Appleworks use of HDD as desktop space
Posted by [Tempest](#) on Wed, 11 Sep 2019 19:37:35 GMT
[View Forum Message](#) <> [Reply to Message](#)

I think most if not all the releases past 3.x just had various TimeOut integration and the ability to do stuff like install to a hard drive (was that in 3.0?), I never went past 3.1 back in the day.

Here's some good info: <https://apple2history.org/history/ah19/>

Subject: Re: Appleworks use of HDD as desktop space
Posted by [Michael J. Mahon](#) on Wed, 11 Sep 2019 20:36:39 GMT
[View Forum Message](#) <> [Reply to Message](#)

Bobbi <bobbi.manners@gmail.com> wrote:
> On Wednesday, 11 September 2019 11:03:16 UTC-4, I am Rob wrote:
>> Just out-of-curiosity, what does 4.3-5.1 offer you that Appleworks 3
>> doesn't? (which works on a 128 kb)
>
> Mainly the possibility to use Timeout. I should investigate what I need
> to download to add Timeout to my AW3.0 installation maybe. This is
> mostly for historical curiosity rather than for some mission critical need mind you!
>

AW5.1 was too late in the game for me—I was quite happy with 3.0 plus TimeOut. For the better part of a decade it served my needs, including taxes!

--

-michael - NadaNet 3.1 and AppleCrate II: <http://michaeljmahon.com>

Subject: Re: Appleworks use of HDD as desktop space
Posted by [Michael J. Mahon](#) on Wed, 11 Sep 2019 20:36:39 GMT
[View Forum Message](#) <> [Reply to Message](#)

Wayne Stewart <waynejstewart@gmail.com> wrote:

> Plusworks for the II+?

>

Loved it!

--

-michael - NadaNet 3.1 and AppleCrate II: <http://michaeljmahon.com>

Subject: Re: Appleworks use of HDD as desktop space
Posted by [Anonymous](#) on Wed, 11 Sep 2019 21:20:09 GMT
[View Forum Message](#) <> [Reply to Message](#)

Originally posted by: Bobbi

On Wednesday, 11 September 2019 16:36:45 UTC-4, Michael J. Mahon wrote:

> Wayne Stewart <waynejstewart@gmail.com> wrote:

>> Plusworks for the II+?

>>

>

> Loved it!

>

> --

> -michael - NadaNet 3.1 and AppleCrate II: <http://michaeljmahon.com>

What are the minimum requirements for Plusworks on the II+? I have a II+ kicking around. It has 64K and would obviously need an 80 column card. How much memory do I need, and which versions of Appleworks run with it? I am guessing 1.x only? Would be fun to get this working.

Subject: Re: Appleworks use of HDD as desktop space
Posted by [Wayne Stewart](#) on Wed, 11 Sep 2019 21:51:36 GMT
[View Forum Message](#) <> [Reply to Message](#)

80 column card
64k
Shift key mod

Appleworks 1 or 2

Subject: Re: Appleworks use of HDD as desktop space
Posted by [Anonymous](#) on Wed, 11 Sep 2019 21:56:33 GMT
[View Forum Message](#) <> [Reply to Message](#)

Originally posted by: Bobbi

On Wednesday, 11 September 2019 17:51:40 UTC-4, Wayne Stewart wrote:

> 80 column card
> 64k
> Shift key mod
>
> Appleworks 1 or 2

I am officially on the lookout for an 80 column card then :)

Subject: Re: Appleworks use of HDD as desktop space
Posted by [Anonymous](#) on Thu, 12 Sep 2019 00:19:14 GMT
[View Forum Message](#) <> [Reply to Message](#)

Originally posted by: James Davis

On Tuesday, September 10, 2019 at 7:59:00 PM UTC-7, Bobbi wrote:

> ... things end up rather expensive by the time they show up at my door here in Canada. (Weak dollar, expensive shipping, import duties, customs fees ...)

Does all that apply to someone just sending you something, say as a gift, that you did not purchase?

Subject: Re: Appleworks use of HDD as desktop space
Posted by [Anonymous](#) on Thu, 12 Sep 2019 00:26:47 GMT
[View Forum Message](#) <> [Reply to Message](#)

Originally posted by: Bobbi

On Wednesday, 11 September 2019 20:19:15 UTC-4, James Davis wrote:

> On Tuesday, September 10, 2019 at 7:59:00 PM UTC-7, Bobbi wrote:
>> ... things end up rather expensive by the time they show up at my door here in Canada.
(Weak dollar, expensive shipping, import duties, customs fees ...)

>
> Does all that apply to someone just sending you something, say as a gift, that you did not purchase?

No doesn't apply to gifts (except the shipping cost of course.)

Subject: Re: Appleworks use of HDD as desktop space
Posted by [Anonymous](#) on Thu, 12 Sep 2019 00:29:10 GMT
[View Forum Message](#) <> [Reply to Message](#)

Originally posted by: Bobbi

On Wednesday, 11 September 2019 20:26:48 UTC-4, Bobbi wrote:

> On Wednesday, 11 September 2019 20:19:15 UTC-4, James Davis wrote:

>> On Tuesday, September 10, 2019 at 7:59:00 PM UTC-7, Bobbi wrote:

>>> ... things end up rather expensive by the time they show up at my door here in Canada.
(Weak dollar, expensive shipping, import duties, customs fees ...)

>>

>> Does all that apply to someone just sending you something, say as a gift, that you did not purchase?

>

> No doesn't apply to gifts (except the shipping cost of course.)

Or maybe more accurately the key is to state that the article has no value, or some nominal value like \$5. If is \$100 they will try to charge duty on it, and then there will be fees. Canada has a super low 'de minimis' threshold of only \$20 Canadian (about \$14 US!)

Subject: Re: Appleworks use of HDD as desktop space
Posted by [Hugh Hood](#) on Thu, 12 Sep 2019 05:16:38 GMT
[View Forum Message](#) <> [Reply to Message](#)

On 9/11/2019 10:03 AM, I am Rob wrote:

>

> Just out-of-curiosity, what does 4.3-5.1 offer you that Appleworks

> 3 doesn't? (which works on a 128 kb)

>

OK. This is long, but remember, you asked. ;-)

Since I have never really seen this listed in this much detail before in one place, and given the confusion that exists about what the AppleWorks upgrade(s) entailed, I place this here for future reference.

My opinion is that AppleWorks 5.1 is clearly superior (features & interface) to AppleWorks 3.0, and I'm saying that as a huge fan of 3.0.

Anyway, the following (in two groups) are the features Randy Brandt listed when he first announced AppleWorks 4, and then later, when he announced AppleWorks 5.

=====

AppleWorks 4 Feature Summary

=====

System Requirements

- suggested minimum 256K, but runs on 128k, single 5.25" drive 6502 Ile's
- UltraMacros player available on minimum 256K, 65c02 machines
- ships on 5.25S and 3.5S disks; hard-drive installer included

General

- TimeOut is built-in; configured in Standard Settings
- InitManager is built-in; configured in Standard Settings
- disk/file copying and utilities included in Other Activities
- UltraMacros Player included (no Compiler, Debug, Macros2Menus or recording)
- mouse support included (may be a problem on some machines)
- screen blanker based on minutes since last keystroke
- auto-save feature saves files after preset number of minutes
- quick quit option exits instantly, ignoring files on all desktops
- OA-H includes Copy/Image to Word Processor clipboard

Desktop

- three desktops allow loading 36 files; Tab cycles desktops at OA-Q menu
- Save/Remove files menu allows OA-Up and OA-Down; Tab to switch desktops
- OA-Q menu supports OA-V to view all desktops, OA-C to edit the active clipboard, OA-F for File Activities, OA-D for Disk Activities, OA-S for Standard Settings, OA-1 thru OA-3 to switch desktops

Add/List Files

- OA-Return at Get files from current disk prompts you to type in a file name for quick loading
- lists up to 255 files instead of the old 170 file limit
- lists text files and automatically loads them to Word Processor when picked
- supports OA-A to arrange listing by Name, Type, Size, or Date
- supports OA-D to change desktops, OA-Y to eject current 3.5S disk
- displays count of desktop files selected, total files in current directory

Change Disk

- Change disk menu shows volume names when OA-/ is pressed
- supports OA-P QuickPath feature for choosing from a pre-defined list

of pathnames

- supports OA-1 through OA-8 to select a QuickPath immediately
- supports OA-Return to add a subdirectory to the current path/disk

Clipboard

- all three applications have their own clipboard
- all clipboards are viewable and editable
- Append to clipboard option in all apps adds to existing clipboard contents
- any clipboard may be pasted into any file

Printing

- five printers may be defined instead of three
- DeskJet, DeskJet Plus, DeskJet 500 printer support included
- WP special codes are unique to each printer- active printer is used for names at bottom
- titles in Spreadsheet files are used for titles at top of each page

Data Base

- 60 categories per record (formerly 30)
- expanded from maximum 1024 to 2560 bytes per record (more than DoubleData)
- sorts can be case sensitive (set in preferences)
- lookup list allows matching data to be displayed in another desktop DB file
- all categories can be specified for formatted entry (justification, numeric formats, etc)
- categories can be defined as text, numeric, formula, mask, glossary, import, export
- formulas allow spreadsheet-style math in DB using functions
- data can be automatically imported from other DB or SS files on the desktop
- data can be automatically exported to other DB files on the desktop
- export/import user-defined character-delimited text files

Single Record Layout

- editing single record layouts shows coordinates
- supports instant reformatting into 1 to 8 columns of categories

Dates

- date categories support dates from 1000 AD to 9999 AD
- dates can optionally display centuries in dates
- standard values can be set to use current date when adding new records
- Julian date math supported in formulas

Find Options

- find record number jumps to record when number entered
- find sorted data instantly finds text in sorted categories (binary search)
- find changed records shows all records modified since last save
- OA-Return on Find Anywhere and In one category shows first match

without setting find rules

Record Selection

- selection rules can match records with changes in a specific category
- selection rules can be selected from a report
- much faster display than AW 3.0 on large files with selection rules
- selected record count displayed in multiple record layout

Data Base Reports

- 30 reports instead of 20
- reports can auto-sort at print time
- editing multiple record layouts shows category widths
- editing single record layouts shows coordinates
- single record reports can have up to 60 lines instead of only 15
- supports instant reformatting into 1 to 8 columns of categories

Word Processor

- split screen allows you to view one part of a file while working elsewhere
- mail merge works directly from a DB file, using its selection rules
- mail merge includes a don't reformat option for printing forms
- find/replace may be restricted to a word (ie., match best but not bestial)
- new symbols instead of carets make it easy to identify formatting
- new OA-G glossary allows easy entry of formatted data (such as addresses) from DB files
- dictionary can be located anywhere, and can be auto-copied to RAM disk

Spreadsheet

- 3D feature accesses other desktop files, as in @SUM("OtherFile":B4...B9)
- allows values to be displayed in scientific notation
- allows quick column width setting by typing in the width number
- date math is supported via Julian numbers and date formats
- entering @ inserts the current Julian date value
- current column width is displayed at bottom of screen
- during formula editing, OA-F pops up a function list for easy entry, displays parameters to help data entry
- new functions include Alert, Date, Find, Join, Lower, Len, Mid, Text, Upper, Val
- shows standard values at OA-V menu instead of at end of help screen
- new find options allow searches for numbers and formulas
- new find options allow searches back or ahead by rows or columns
- supports OA-R to Replace text
- may be restricted to 999 rows for maximum speed (9,999 normal max. rows)
- recalced file now marked as changed

Improvements Over Existing Enhancement Software

Desktop

TimeOut

- AW4 includes a built-in TimeOut with easily accessible options to turn TimeOut on and off, change the TimeOut directory, change the sort status, etc.

InitManager

- AW4's built-in InitManager allows you to press Escape to stop loading
- former inits now built-in include QuickPaths, Clock, FileCount, OAH, SS Titles, and SS Values

UltraMacros

- default macros have macro titles (SA-Escape menu) available

PathFinder

- PathFinder features are built-in to the Change disk menu
- AW4 adds an OA-/ command to list volume names for all disks online
- AW4 adds an OA-P command to list predefined pathnames for easy selection

FileMaster

- AW4 uses the standard Change Disk and file list routines so everything is standardized
- AW4 adds Disk Verify and Move files options
- AW4 does not dump pre-loaded AppleWorks segments during disk or file copies
- AW4 includes TimeOut/Inits installer which auto-chooses the destination
- several bugs and quirks have been eliminated

Data Base

TotalControl

- Glossaries and imports were limited to accessing approx 4,000 records in other files; AW4 can access the full 16,250 possible records.
- If a partial entry was incomplete, TotalControl entered the first match; AW4 highlights the first valid possible choice if succeeding records are also valid and allows the user to choose
- AW4 adds exporting capabilities, increased formatting options, and an Alert function.
- AW4 allows much longer formulas (approx. 3 times as long)
- formulas now support negative numbers in parentheses, leading or trailing minus signs

DoubleData

- AW4 increases the characters per record from 2048 to 2560
- AW4 offers smoother, quicker screen redraws
- AW4 allows multiple screens (pages) for a single record
- AW4 includes a column command in single record layout for easier category rearranging

Spreadsheet

CellLink

-AW4 offers immediate access to cells in other spreadsheet files within formulas; no special definition cells need to be defined

Quick Columns

-AW4 allows you to type in a new column width while using the normal change widths option

Word Processor

SpellCopy

-AW4's dictionary copier is built-in, so no special program needs to be run first

-AW4 makes it easy to change the dictionary location and to turn copying on and off

=====

AppleWorks 5 Feature Summary

=====

System Requirements

- requires IIgs, 256k+ IIc, or 256k+ enhanced IIe (65C02 and MouseText)
- ships on two 3.5" disks (no 5.25" disks)

Miscellaneous

- loads files from all older versions of AppleWorks
- files remain compatible with AppleWorks 4, except when a few new features are used (such @Today in SS or background text in the DB)
- includes AfterWork screen saver engine with several sample modules
- includes Randy's Free Patcher for customizing AppleWorks a la SuperPatch and Companion Plus

TimeOut

- virtually all AW4-compatible TimeOut apps work with AW5 (updating to AW5 doesn't mean another TimeOut updating nightmare!). The pseudo-TimeOut apps which appear on the TimeOut menu but are really macros (TAPL programs) are an exception. Most of them will need to be recompiled and resaved as TimeOut apps before they will work.
- if both apple keys are down at bootup, TimeOut loads only TimeOut Utilities for maximum startup speed while allowing you to later add TimeOut menus via Utilities' Add applications option

UltraMacros

- includes complete UltraMacros (allows recording, Debug)
- includes new dot commands including justify, password, window, spellpath, topath, and initpath
- adds <aol> for outliner; a:<aol oa-J oa-R>! // show all with body text
- macro titles expanded from 512 to 768 bytes
- macros work at menus whether one-touch feature is on or off (macros act as if the feature is off, so Return is always required in the macro)
- dropped #dirstort, added #totalfiles (count of all three desktops)
- compiler's #dbselrecs label fixed (AW4 bug)
- NOTE: macro sets must be recompiled, but source is 100% compatible

Desktop Organizer

-
- "remember files" option keeps list of nine most recently-loaded files, accessible by pressing OA-Return on Main Menu item 1, or by pressing OA-P (pick file) from Add files menu. With one-touch menus active, you can load any one of your nine most recent files with only two keystrokes after booting up. These files can be on any disk or in any subdirectory, as long as the disk is in a drive when the file is selected.

Printer Buffer

- optional print buffer is built-in; files print to the desktop and then are output a line at a time while you're working (This is a much-improved version of WaitLess, but still has some llc problems, such as echoing to screen. The llc+ apparently works flawlessly.)

Spelling Checker Options

- Spelling Checker menu adds Thesaurus copy synonyms option
- thesaurus synonyms may be copied even if dictionaries are not
- long dictionary paths may now be defined (AW4 quirk)

Disk File Lists

- oa-A arrange listings adds Reverse option to invert the current order
- pressing Space Bar now toggles file picking at lists (also at Save/Remove lists)
- OA-Space toggles all off, all on at file lists; OA-Right works from cursor, while OA-Space works from the top regardless of position
- user chooses how lists are sorted (Misc menu of Standard Settings)
- typeless files no longer display as ADB files (AW4 bug)
- when changing the path by picking subdirectories from a disk list, pressing OA-Return opens the highlighted subdirectory and lists subdirectories within it, allowing you to pick yet another subdirectory, instead of just returning to the Change Current Disk menu

Display/Standard Settings

- MouseText option draws file cards, OA-Q menu, WP carriage return in MouseText or original characters.
- foreign users may define currency, vertical character in Standard Settings

- yes/no question order can be defined so Yes is the default, or the Yes/No verification can be skipped completely
- date option allows spelled out months, as in "February 21 1994"
- formerly, defining standard setting pathnames could overflow the limit in older versions, causing major problems (AW4 bug)

Misc

- AW5 auto switches desktops if more than 12 files are picked for current desktop, or if you try to add a file to a full desktop index
- alarms may be set for any specific date and time, or for daily repetition; at the appointed time, a message pops up on the screen
- OA-Q OA-P takes you to the change current disk option
- after creating a subdirectory, press OA-Space or OA-Return to set the current path to the new directory and exit the subdirectory create mode
- file types may be changed using File Activities; if "???" is selected, you can enter any file type from 0 to 255.
- using the mouse now resets the screen blanker delay (AW4 quirk)
- pressing OA-Escape during a file save is no longer fatal (AW4 bug)
- when Tab is pressed to change desktops at the Save or Remove files menus, the files are no longer displayed as selected (AW4 bug)

Word Processor

- a full-featured outliner is included; press OA-+ to activate, OA-/ in outliner for help screen. This outliner is improved over the old AW 3 Outliner. Files stay in outline mode even when you leave and come back. You can load a file from disk and have it come up as an outline.
- MouseText mode allows you to type MouseText directly into a document
- AW5 prints imbedded MouseText on ImageWriter II printers
- OA-P now has an option to print odd or even pages only
- Set Marker 160 marks comment lines that don't print (end with 161)
- new print to screen preview shows actual text (handy for mail merge)
- new Ctrl-Q command sets marker 0, Ctrl-W finds marker 0; this is handy for setting a "bookmark", like when you freeze the window, scroll around in the bottom, and then want to return to the original location
- when using OA-O to enter printer options with a numeric value, such as Indent or margins, pressing OA-Return after the number immediately returns to the file instead of waiting for additional entries
- split screen splits on line above the cursor. Split windows are preserved when you leave and return to the file. (much improved over AW4)
- AW5 preserves the last oa-F find text when you switch files
- find and replace supports MouseText (Control-T to enter it), tabs (^T), sticky spaces (^) and wildcards (^?).
- the second word in a hyphenated word is spell-checked correctly using check Word option when the cursor is on the second word (AW4 bug)
- text files are loaded with margins set to 0 for maximum width
- user now prompted when used OA-S to save AWP over TXT or TXT over AWP; TXT over TXT and AWP over AWP save with no questions asked

- text files may now be saved in Merlin source format
- space tab (was Control-T) is now Control-S (Space tab)
- OA-T Tab editor now lets you edit the default ruler used for new files (unlike pre-AW5 patches, you now have full control over the entire ruler)
- tab ruler editor has F for First tab ruler (the original AW3/AW4 style) and S for the Standard tab ruler (currently stored in memory and SEG.ER)
- Standard Settings' Word Processor options allows setting default top, bottom, left and right margins for new files

Spreadsheet

- now has individual cell memos (cell notes); press OA-G on a non-blank cell to get a new memo or the existing one
- enhanced Find searches for memos and for text in memos
- OA-Return when selecting Text for finds restricts to whole words
- dynamic @Alert function updates each recalc
- new @Today functions updates each recalc
- @Find is now case-sensitive (use @upper or @lower for insensitive finds)
- new "recalc before saving" option (OA-O options menu)
- SS uses Standard Settings currency, decimal and comma settings. Values must still be entered using comma and period, but they display using the user-defined settings

Data Base

- background text in SRL (single record layout) screens and in label reports; can include MouseText and inverse characters for creating attractive screens and forms for data entry
- new option allows category hiding in SRL layouts
- AW5 can create SRL layouts from SRL reports
- OA-M mixed mode in SRL shows a scrolling list of the current category entries, with remaining SRL data updated live as you scroll through list
- single hires and double hires graphics can be displayed, a la DB Pix. PrintShop graphics can be displayed as part of an SRL screen
- option to add new records at end of file instead of inserting at the cursor (use OA-Return when entering the count of records to insert)
- enter category number at scrolling lists (great for macros)
- AW5 allows tab to accept newly-entered text in an edited category
- reports now have an OA-R menu just like RAC mode
- Control-T toggles MouseText entry in Review/Add/Change mode
- DB uses Standard Settings currency, decimal and comma settings
- new TimeOut app offers find & replace text in the DB
- cursor moves after auto-recalc category does its thing (AW4 quirk)
- copy or move to clipboard no longer cancels rules (AW4 quirk)
- the report editing screen shows the Group Totals heading on a line which doesn't get erased (AW4 quirk)
- auto-recalc no longer blanks the top line (AW4 bug)

- MRL category widths no longer bunch up during layout change (AW4 bug)
- the glossary properly displays date/time categories (AW4 bug)

Hugh Hood

Subject: Re: Appleworks use of HDD as desktop space
Posted by [Wayne Stewart](#) on Thu, 12 Sep 2019 20:38:00 GMT
[View Forum Message](#) <> [Reply to Message](#)

On Wednesday, September 11, 2019 at 5:26:48 PM UTC-7, Bobbi wrote:

>

> No doesn't apply to gifts (except the shipping cost of course.)

If it's sent by a courier you might still get a customs brokerage fee. I received a \$10 item from the US by courier last summer(forgot to specify no courier). They dropped it off without a charge. A week later I received a bill for the brokerage fee.

They used to collect when they dropped off the parcel but I think likely too many refused delivery. I would have balked at paying \$35 to get a \$10 item. Would have been cheaper to lose that one and order another.
