```
1
 2
3
   *
                    MaxDesk - An AppleWorks Init
4
5
            - When quitting AppleWorks running under
6
                  ProDOS 8 on the Apple IIGS, the
7
               MaxDesk Init disposes of the memory
8
                allocated by the Apple IIGS Memory
9
                 Manager to the AppleWorks Desktop
                so that restarting AppleWorks in a
10
11
                 single session does not result in
12
                    a diminished Desktop size.
13
                  (approximately 230kB reduction)
14
15
                          - BACKGROUND -
16
17
            Under ProDOS 8 (no tool patches) the
            DisposeAll tool does not seem reliably to
18
            work if the assigned Application Memory has
19
20
            an Aux ID of 1 (the second digit in $11xx),
            unless an Aux ID of 0 (wildcard) is used in
21 | *
22
            the DisposeAll call. This Init patches
23
            AppleWorks to use an Aux ID of 0 when quitting,
24
            thus correcting the problem.
25
26
27
        - NOTE: This init is not required when running
28
                  AppleWorks under GS/OS, but its
29
                  presence in the AW.INITS folder
30
                  causes no harm.
31
32
              Version 1.0 (for AppleWorks Version 5.1)
33
                        (c) 2015 Hugh Hood
34
35
        - Seg $29 is patch-in segment, but only the exiting
           code is modified. No NEW code is required.
36
37
38
   ******************
39
40
41
                  TR
                                 ADR
                                                ; truncate bank address
42
43
                  XC
                                                ; enable 65C02 code
                  XC
44
                                                 ; enable 65816 code
45
46
   * Equates *
47
  MemoryID
                  EQU
48
                                 $0FDE
                                                ; Memory ID# stored here by AppleWorks
   Seg00Type
49
                  EOU
                                                 ; memory manager type
                                 $FE0
                                                   $41 = SEG.AM / $52 = SEG.RM (IIGS) /
50
51
                                                   $58 = SEG.XM / $4D = Deja IIx (Mac)
52 AWVersion
                  EQU
                                                 ;$33/51 = 5.1 / $28/40 = 4.0 /
                                 $1003
                                                 $1E/30 = 3.0
53
                                                ; DisposeAll Tool for Memory Manager
54 DisposeAll
                  EOU
                                 $1102
                                                ; memory move / follow with TO/FROM/LENGTH
55 MvLeftRtn
                  EQU
                                 $1148
56 DeleteID
                  EQU
                                 $2103
                                                ; DeleteID Tool for Memory Manager
```

	<pre>imSavePatch InitAdr PatchPoint  PatchAdr  ToolLocate</pre>	EQU EQU EQU EQU ORG TYP	\$3006 \$4000 \$65D0 \$BB00 \$E10000 InitAdr \$06	; Patch Manager save routine in SEG.IM ; load address for Init files ; patch point in SEG \$29 ; (routine to Dispose of memory allocated   by Apple IIGS Memory Manager) ; load address for patch code ; (NOTE: uses ProDOS I/O buffer -			
72		t Header	*				
73		******	***				
74 75 76	START	JMP	IStart	; skip over header			
77	**						
78							
79		ASC	'mb'	; Init ID Bytes (AW 5.1)			
80		DB	\$0A	; Init Version - programmer assigned			
81				; e.g \$0A/1.0 \$0B/1.1 \$17/2.3			
82		STR		; Init Screen Name			
83		HEX	0000	; Header End Bytes			
84	**						
85 86	***						
87	IStart						
88	13tai t						
89		LDA	AWVersion	; AppleWorks version #			
90		CMP		; Is it Version 5.1?			
91		BNE	Done	; disregard - wrong version			
92							
93		LDA	• • •	; Memory Manager Type			
94		CMP		; Is it Apple IIGS? (SEG.RM)			
95		BNE	Done	; disregard - IIGS only			
96	Dat chil20	1CD	imCavaDatab	· call natch manages			
97 98	PatchH29	JSR DW		; call patch manager ; beginning of patch1 code (\$40xx)			
99							
	DW MoveStart-PatchAdr+Patch1End-PatchPoint; length of patch code						
100	, religen or par	DW	\$0029	; SEG number to patch			
101			40023	; (\$29 = Organizer Save/Remove SEG)			
102				, (4-0 0.9 0			
103	Done	RTS		; back to Init Manager			
104							
105	**						
106							
107	Code1	EQU	*	; (will be \$40xx)			
108		ODC		· Coatabina Codo is moved and move			
109		ORG	PatchAdr	; (Patching Code is moved and run			
110				; @ \$BB00 by Init Manager)			
111							

112	HookBytes	HEX			first bytes for Patch
113		JSR			move new code to run location
114		DA	#PatchPoint	;	(\$65D0)
115		DA	#MoveStart	,	
116		DA	Patch1End-Patc	:hPc	oint
117					
118		RTS		,	patch done
119					
120	**				
121					
122	MoveStart	EQU	*	,	(will be \$BBxx)
123					
124		ORG	PatchPoint	,	(\$65D0)
125					
126		MX	%00	,	16-bit ACC and Registers
127					
128	PatchStart	AND	#\$F0FF	,	force Aux ID# to 0
129		STA	MemoryID	,	store modified Aux ID#
130		PHA		,	push the ID# on the stack
131		NOP		,	kills an unused patched byte
132		LDX	#DisposeAll	,	ready DisposeAll Tool
133		JSL	ToolLocate	•	Tool Locator call
134		LDA	MemoryID	,	modified by AND
135		PHA		,	push the ID# on the stack
136		LDX	#DeleteID	,	ready DeleteID Tool
137					-
138	**				
139					
140		MX	%11	•	8-bit ACC and Registers
141					
142	Patch1End	EQU	*	,	
143		SAV	I.MAXDESK	•	
144		LST	OFF		
145					
146		END			
147					