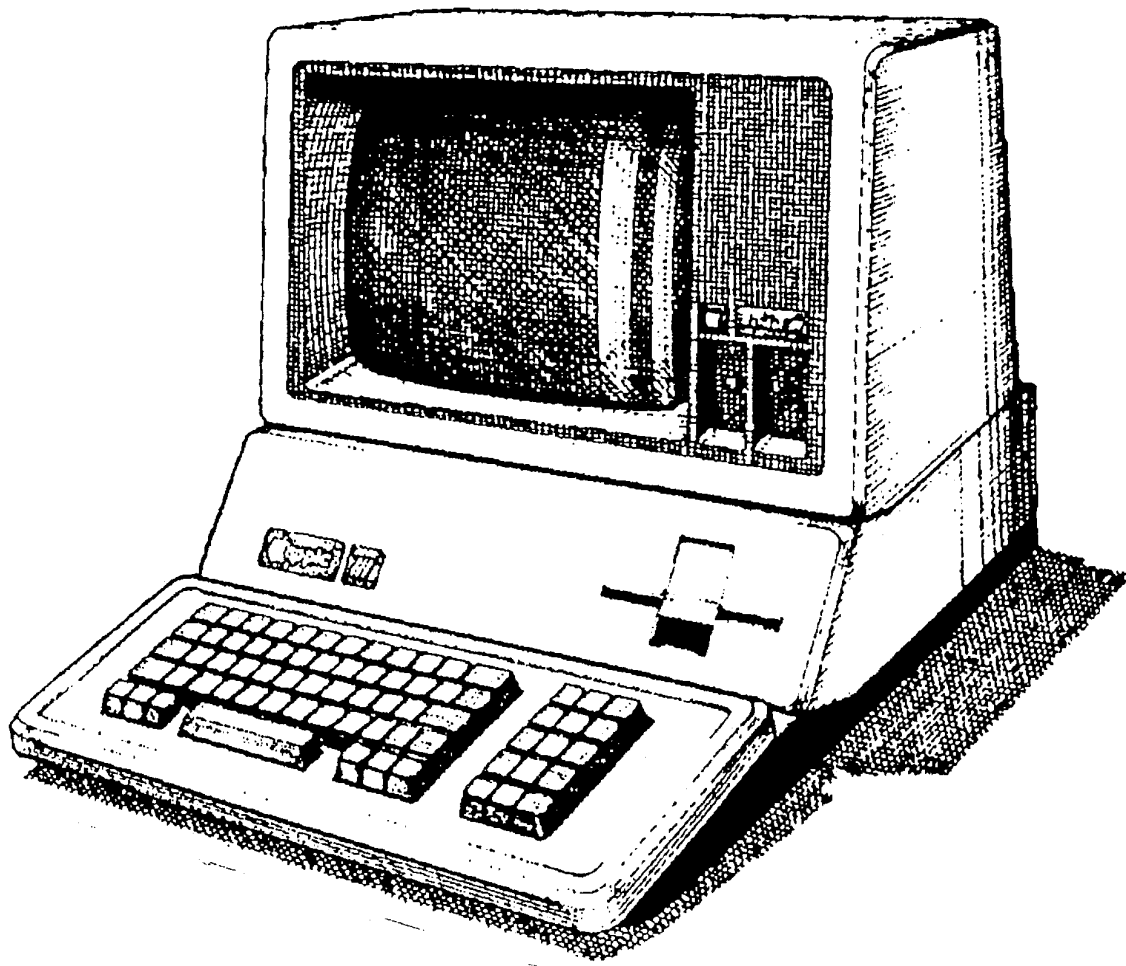




Apple /// Computer Information



DOCUMENT NAME	#
APPLE III SOS PASCAL INTERFACE LISTING	92

Ex Libris David T. Craig

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Source Disk:APPLE 3 SOS INTERFACE.TEXT

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1 { ***** }
2 { * }
3 { * Apple /// Sophisticated Operating System (SOS) Pascal Interface * }
4 { * }
5 { ***** }
6
7 UNIT SOSIO; { Copyright 1982 Apple Computer, Inc. }
8
9 INTERFACE
10
11 { Set to TRUE to compile SOS calls for: }
12
13 {$SETC SOS_File_IO := TRUE}
14 {$SETC SOS_Device_IO := TRUE}
15 {$SETC SOS_Utility_IO := TRUE}
16 {$SETC SOS_Memory_Mgt := TRUE}
17 {$SETC SOS_Plus_IO := TRUE}
18
19 { ++++++ DEVICE I/O }
20
21 {$IFC SOS_Device_IO}
22 Function SOS_D_Status ( DevNumb, StatusCode : Integer;
23                       Var StatusList, RetCode ) : Boolean;
24 Function SOS_D_Control ( DevNumb, ControlCode : Integer;
25                          Var ControlList, RetCode ) : Boolean;
26 Function SOS_Get_D_Num ( Var DevName, DevNumb, RetCode ) : Boolean;
27 Function SOS_D_Info ( DevNo : Integer; Var DevName, DevList, RetCode )
28                     : Boolean;
29 {$ENDC}
30
31 { ++++++ FILE I/O }
32
33 {$IFC SOS_File_IO}
34 Function SOS_Create ( Var Pathname; FileID, AuxID, Storage, EOFBlk : Integer;
35                      Var RetCode ) : Boolean;
36 Function SOS_Destroy ( Var Pathname, RetCode ) : Boolean;
37 Function SOS_Rename ( Var OldPath, NewPath, RetCode ) : Boolean;
38 Function SOS_Set_Info ( Var Pathname, FileList; ListLeng : Integer;
39                        Var Retcode ) : Boolean;
40 Function SOS_Get_Info ( Var Pathname, FileList; ListLeng : Integer;
41                        Var RetCode ) : Boolean;
42 Function SOS_Volume ( Var DevName, VolName, TotalBlks, FreeBlks, RetCode )
43                     : Boolean;
44 Function SOS_Set_Prefix ( Var Prefix, RetCode ) : Boolean;
45 Function SOS_Get_Prefix ( Var Prefix; Length : Integer; Var RetCode )
46                          : Boolean;
47 Function SOS_Open ( Var Path; ReqType, Pages : Integer; Var SysBuf, RefNumb,
48                   RetCode ) : Boolean;
49 Function SOS_New_Line ( RefNumb, Flag : Integer; NewCh : Char; Var RetCode )
50                       : Boolean;
51 Function SOS_Read ( RefNumb : Integer; Var InputBuf; BytesReq : Integer;
52                   Var BytesRead, RetCode ) : Boolean;
53 Function SOS_S_Read ( RefNumb : Integer; Var InputBuf; OffSet,
54                      BytesReq : Integer; Var BytesRead, RetCode ) : Boolean;
55 Function SOS_Write ( RefNumb : Integer; Var OutputBuf; NumbBytes : Integer;
56                    Var RetCode ) : Boolean;
57 Function SOS_S_Write ( RefNumb : Integer; Var OutputBuf; OffSet,
58                       NumbBytes : Integer; Var RetCode ) : Boolean;
59 Function SOS_Close ( RefNumb : Integer; Var RetCode ) : Boolean;
60 Function SOS_Flush ( RefNumb : Integer; Var RetCode ) : Boolean;
61 Function SOS_Get_B_Mark ( RefNumb : Integer; Var BlockNumb, RetCode )
62                          : Boolean;
63 Function SOS_Get_B_EOF ( RefNumb : Integer; Var BlockNumb, RetCode )
64                          : Boolean;
65 Function SOS_Set_B_Mark ( RefNumb, Base, BlockNumb : Integer; Var RetCode )
66                          : Boolean;
67 Function SOS_Set_B_EOF ( RefNumb, Base, BlockNumb : Integer; Var RetCode )
68                          : Boolean;
69 Function SOS_Get_Mark ( RefNumb : Integer; Var Low, Hi, RetCode ) : Boolean;
70 Function SOS_Get_EOF ( RefNumb : Integer; Var Low, Hi, RetCode ) : Boolean;
71 Function SOS_Set_Mark ( RefNumb, Base, Low, Hi : Integer; Var RetCode )
72                          : Boolean;
73 Function SOS_Set_EOF ( RefNumb, Base, Low, Hi : Integer; Var RetCode )
74                          : Boolean;
75 Function SOS_Set_Lev ( Level : Integer; Var RetCode : Integer ) : Boolean;
76 Function SOS_Get_Lev ( Var Level : Integer ) : Boolean;
77 {$ENDC}

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78
79 { ++++++ UTILITIES }
80
81 {$IFC SOS_Utility_IO}
82 Function SOS_S_Fence ( Priority : Integer ) : Boolean;
83 Function SOS_G_Fence ( Var Priority : Integer ) : Boolean;
84 Function SOS_Set_Time ( Var Time ) : Boolean;
85 Function SOS_Get_Time ( Var Time ) : Boolean;
86 Function SOS_Get_Analog ( Mode : Integer; Var Value, RetCode ) : Boolean;
87 Function SOS_Terminate : Boolean;
88 {$ENDC}
89
90 { ++++++ MEMORY MANAGEMENT }
91
92 {$IFC SOS_Memory_Mgt}
93 Function SOS_Request_Seg ( Base, Limit, SegId : Integer; Var SegNumb,
94   RetCode ) : Boolean;
95 Function SOS_Find_Seg ( SrchMode, SegId : Integer; Var FiveInts ) : Boolean;
96 Function SOS_Change_Seg ( SegNumb, ChgMode : Integer; Var Pages,
97   RetCode ) : Boolean;
98 Function SOS_G_Seg_Info ( SegNumb : Integer; Var FiveInts ) : Boolean;
99 Function SOS_G_Seg_Numb ( SegAddr : Integer; Var SegNumb, RetCode ) : Boolean;
100 Function SOS_Rel_Seg ( SegNumb : Integer; Var RetCode ) : Boolean;
101 {$ENDC}
102
103 { ++++++ SPECIAL PASCAL UTILITIES }
104
105 {$IFC SOS_Plus_IO}
106 Function Up_Load ( Var Char_Set ) : Boolean;
107 Function At_Sign ( Var Object ) : Integer;
108 {$ENDC}
109
110 IMPLEMENTATION
111
112 { SOS interface is implemented in 6502 assembly }
113
114 END.
115
116 { ----- the end ----- }
117

```