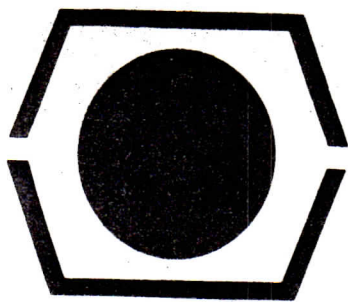




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8-753 Listings

TITLE

OS/8 System Output Handlers, V4

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✓ "TYP441": DOUBLE-LIST PROGRAM

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1      / "TYP441": DOUBLE-LIST PROGRAM
2      / OUTPUT ON TTY: DEVICE 04 AND 41
3      / FROM SAME ASCII INPUT DEV: OF FILE.
4
5      0000  FIELD 0
6
7      0020  *20
8
9      00020  0000  OCHAR,  0      /OUTPUT AN ASCII CHAR.
10     00021  3110      DCA SAVE
11     00022  1110      TAD SAVE      /ALWAYS 8 BITS
12     00023  1177      TAD (-232     /E.O.F.?
13     00024  7450      SNA
14     00025  5127      JMP EXIT      /YES, GET OUT
15     00026  1176      TAD (21      /TAB?
16     00027  7440      SZA
17     00030  5043      JMP NOTTAB
18     00031  1107      TAB,  TAD CHARS
19     00032  0074      AND K7
20     00033  1105      TAD M10
21     00034  3111      DCA COUNT
22     00035  1175      TAD (240
23     00036  2107      ISZ CHARS      /COUNT THE SPACES
24     00037  4113      JMS TYPE
25     00040  2111      ISZ COUNT
26     00041  5035      JMP .-4
27     00042  5420      JMP 1 OCHAR
28     00043  1174      NOTTAB, TAD (-4
29     00044  7450      SNA
30     00045  3107      DCA CHARS      /C.R. CLEARS CHAR. COUNT
31     00046  7450      SNA
32     00047  5075      JMP TYPIT      /PRINT C.R.
33     00050  7001      IAC      /FORM FEED?
34     00051  7440      SZA
35     00052  5067      JMP NOTFORM
36     00053  5420      FORM,  JMP 1 OCHAR      /IGNORE, UNLESS...
37     00054  1112      TAD LINES
38     00055  1106      TAD MD66      /-66 DECIMAL
39     00056  7500      SMA
40     00057  5055      JMP .-2
41     00060  3111      DCA COUNT
42     00061  1173      TAD (212
43     00062  4113      JMS TYPE
44     00063  2111      ISZ COUNT
45     00064  5061      JMP .-3
46     00065  3112      DCA LINES      /CLEAR LINE COUNT
47     00066  5420      JMP 1 OCHAR      /EXIT
48     00067  7001      NOTFORM, IAC
49     00070  7001      IAC      /LINE FEED?
50     00071  7440      SZA
51     00072  5100      JMP TESTPR      /IS IT PRINTING CHAR.?
52     00073  2112      ISZ LINES      /ONE MORE LINE
53     00074  0007      K7,  7      /PROTECT ISZ

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54	00075	1110	TYPIT,	TAD SAVE	
55	00076	4113		JMS TYPE	
56	00077	5420		JMP 1 OCHAR	/ECHO LINE FEED
57	00100	1172	TESTPR,	TAD [-26	/-240 NET. PRINTING CH.?
58	00101	7710		SPA CLA	
59	00102	5420		JMP 1 OCHAR	/IGNORE IT
60	00103	2107		1SZ CHARS	/PRINTING CHARACTER
61	00104	5075		JMP TYPIT	
62					
63	00105	7770	M10,	-10	
64	00106	7676	MD66,	-102	
65	00107	0000	CHARS,	0	
66	00110	0000	SAVE,	0	
67	00111	0000	COUNT,	0	
68	00112	0000	LINES,	0	
69					
70	00113	0000	TYPE,	0	
71	00114	6416		6416	/DEVICE 41
72	00115	4132		JMS TYP	/DEVICE 04
73	00116	6411		6411	
74	00117	5116		JMP .-1	
75	00120	6031		KSF	/USER?
76	00121	5513		JMP 1 TYPE	
77	00122	6036		KRB	
78	00123	0171		AND [177	
79	00124	1170		TAD [-3	/C ?
80	00125	7640		SZA CLA	
81	00126	5513		JMP 1 TYPE	
82	00127	7600	EXIT,	7600	
83	00130	6203		CDF CIF 0	
84	00131	5527		JMP 1 EXIT	
85					
86	00132	0000	TYP,	0	
87	00133	6046		TLS	/ DEVICE 04 ALONE
88	00134	6041		TSF	
89	00135	5134		JMP .-1	
90	00136	7300		CLA CLL	
91	00137	5532		JMP 1 TYP	
92					
93	00140	0000	CRLF,	0	
94	00141	1167		TAD [215	
95	00142	4113		JMS TYPE	
96	00143	1173		TAD [212	
97	00144	4132		JMS TYP	/ONLY ON CONSOLE
98	00145	3112		DCA LINES	
99	00146	3107		DCA CHARS	/CLEAR BOTH
100	00147	5540		JMP 1 CRLF	
101		0200	PAGE		

102	00200	6201	START,	CDF 0	
103	00201	7300		CLA CLL	
104	00202	1377		TAD (2401	/JOB STATUS WD.
105	00203	3776		DCA 1 (7746	
106	00204	4140		JMS CRLF	
107	00205	1312		TAD MESSAG	/BOTTOM OF LIST
108	00206	3017		DCA 17	
109	00207	1417		TAD 1 17	
110	00210	7450		SNA	
111	00211	5214		JMP CDECOD	/0=END
112	00212	4132		JMS TYP	
113	00213	5207		JMP .-4	
114	00214	6212	CDECOD,	CIF 10	
115	00215	4775		JMS 1 (7700	
116	00216	0005		DECODE	
117	00217	0000		0	
118	00220	4140		JMS CRLF	
119	00221	1374		TAD (7201	
120	00222	3240		DCA ARG1	
121	00223	6211		CDF 10	
122	00224	1773		TAD 1 (7643	/OPTION "F"?
123	00225	7002		BSW	
124	00226	7110		CLL RAR	/GET BIT 5 INTO LINK
125	00227	7620		SNL CLA	
126	00230	1066		TAD NOTFORM-1	/"JMP 1 OCHAR"
127	00231	3053		DCA FORM	/ENABLE IF BIT 5 SET
128					/OTHERWISE, FORM=NULL
129	00232	1772		TAD 1 (7617	/INPUT DEVICE
130	00233	0371		AND (17	
131	00234	6201		CDF 0	
132	00235	6212		CIF 10	
133	00236	4775		JMS 1 (7700	
134	00237	0001		FETCH	
135	00240	7201	ARG1,	7201	
136	00241	7402		HLT	/NO HANDLER?
137	00242	6211		CDF 10	/D.F.=1 PERMANENTLY
138	00243	1770		TAD 1 (7620	/STARTING BLK.
139	00244	3334		DCA STBLK	
140					
141	00245	4327		JMS FILEBUF	/FILL INPUT BUFFER
142	00246	1367		TAD (JMP SWICH	
143	00247	3251		DCA SWICH	
144					
145	00250	2251	LOOP,	ISZ .+1	
146	00251	5251	SWICH,	JMP .	/3-WAY SWITCH
147	00252	5264		JMP ICHAR1	
148	00253	5274		JMP ICHAR2	
149	00254	1367	ICHAR3,	TAD (JMP SWICH	
150	00255	3251		DCA SWICH	
151	00256	1311		TAD CHAR2	
152	00257	0366		AND (7400	
153	00260	7002		BSW	
154	00261	1310		TAD CHAR1	
155	00262	7112		CLL RTR	
156	00263	5304		JMP ICOMN	


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157 00264 1417 1CHAR1, TAD I 17 /FIELD 1 THROUGHOUT
158 00265 3113 DCA TYPE
159 00266 1113 TAD TYPE
160 00267 0366 AND (7400
161 00270 7112 CLL RTR
162 00271 3310 DCA CHAR1
163 00272 1113 TAD TYPE
164 00273 5304 JMP ICOMN
165 00274 1417 1CHAR2, TAD I 17
166 00275 3311 DCA CHAR2
167 00276 1365 TAD (-7377
168 00277 7120 STL
169 00300 1017 TAD 17
170 00301 7620 SNL CLA
171 00302 4327 JMS FILEBUF /REFILL BUFFER
172 00303 1311 TAD CHAR2
173 00304 0171 1COMN, AND I 177
174 00305 1364 TAD (200
175 00306 4020 JMS OCHAR
176 00307 5250 JMP LOOP
177
178 00310 0000 CHAR1, 0
179 00311 0000 CHAR2, 0
180
181 0001 FETCH= 1
182 0005 DECODE= 5
183 0000 READ= 0
184
185 00312 0312 MESSAG, .
186 00313 0311 "I
187 00314 0316 "N
188 00315 0320 "P
189 00316 0325 "U
190 00317 0324 "T
191 00320 0240 240
192 00321 0317 "O
193 00322 0316 "N
194 00323 0314 "L
195 00324 0331 "Y
196 00325 0272 ";
197 00326 0000 0 /END OF LIST

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198	00327	0000	FILEBUF, 0	
199	00330	6201	CDF 0	
200	00331	4640	JMS 1 ARG1	
201	00332	3610	READ 3610	/15 BLOCKS, FLD. 1
202	00333	0000	0	/10000-17377
203	00334	0000	STBLK, 0	
204	00335	7500	SMA	/TRUE ERROR
205	00336	7410	SKP	
206	00337	7402	HLT	
207	00340	7240	CLA CMA	
208	00341	3017	DCA 17	/RESET POINTER
209	00342	1371	TAD (17	/ADD 15 TO STBLK
210	00343	1334	TAD STBLK	
211	00344	3334	DCA STBLK	
212	00345	6211	CDF 10	/TILL END
213	00346	5727	JMP 1 FILEBUF	
214				
215				
216				
217	00364	0200		
218	00365	0401		
219	00366	7400		
220	00367	5251		
221	00370	7620		
222	00371	0017		
223	00372	7617		
224	00373	7643		
225	00374	7201		
226	00375	7700		
227	00376	7746		
228	00377	2401		
229			SSSS PAS 12/74 SSSS	
230	00167	0215		
231	00170	7775		
232	00171	0177		
233	00172	7752		
234	00173	0212		
235	00174	7774		
236	00175	0240		
237	00176	0021		
238	00177	7546		

ARG1	0240
CDECOD	0214
CHARS	0107
CHAR1	0310
CHAR2	0311
COUNT	0111
CRLF	0140
DECODE	0005
EXIT	0127
FETCH	0001
FILBUF	0327
FORM	0053
1CHAR1	0264
1CHAR2	0274
1CHAR3	0254
1COMN	0304
K7	0074
LINES	0112
LOOP	0250
MD66	0106
MESSAG	0312
M10	0105
NOTFOR	0067
NOTTAB	0043
OCHAR	0020
READ	0000
SAVE	0110
START	0200
STBLK	0334
SWICH	0251
TAB	0031
TESTPR	0100
TYP	0132
TYPE	0113
TYPI T	0075

ARG1	120	135#	200							
CDECOD	111	114#								
CHARS	18	23	30	60	65#	99				
CHAR1	154	162	178#							
CHAR2	151	166	172	179#						
COUNT	21	25	41	44	67#					
CRLF	93#	100	106	118						
DECODE	116	182#								
EXIT	14	82#	84							
FETCH	134	181#								
FILBUF	141	171	198#	213						
FORM	36#	127								
ICHAR1	147	157#								
ICHAR2	148	165#								
ICHAR3	149#									
ICOMN	156	164	173#							
K7	19	53#								
LINES	37	46	52	68#	98					
LOOP	145#	176								
MD66	38	64#								
MESSAG	107	185#								
M10	20	63#								
NOTFOR	35	48#	126							
NOTTAB	17	28#								
OCHAR	9#	27	36	47	56	59	175			
READ	183#	201								
SAVE	10	11	54	66#						
START	102#									
STELK	139	203#	210	211						
SWICH	142	143	146#	149	150					
TAB	18#									
TESTPR	51	57#								
TYP	72	86#	91	97	112					
TYPE	24	43	55	70#	76	81	95	158	159	163
TYPIT	32	54#	61							
-00167	94									
-00170	79									
-00171	78	173								
-00172	57									
-00173	42	96								
-00174	28									
-00175	22									
-00176	15									
-00177	12									
-00364	174									
-00365	167									
-00366	152	160								
-00367	142	149								
-00370	138									
-00371	130	209								
-00372	129									
-00373	122									
-00374	119									
-00375	115	133								
-00376	105									
-00377	104									

