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DECUS NO.	8-689
TITLE	UFDSPIY - A TSS/8 LINE-PRINTER UFD DUMP PROGRAM
AUTHOR	James Ward
COMPANY	Natick High School Natick, Massachusetts
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SOURCE LANGUAGE	PAL-D

ATTENTION

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UFDSPY - A TSS/8 LINE-PRINTER UFD DUMP PROGRAM

DECUS Program Library Write-up

DECUS NO. 8-689

UFDSPY is a program designed to dump the user's user file directory in readable form onto the line-printer. A header is printed consisting of the user's account number, the system date, and column headings. Information printed for each entry in the UFD includes file name and extension, protection code, number of segments occupied by the file, date of creation, pointer to file retrieval, and the link to the next entry in the directory. At the end of the listing the total number of disc segments in use by the files on this account is printed.

LOADING PROCEDURES

UFDSPY is distributed on an ASCII source tape. The tape must be read in through either editor or PIP onto a disc file. The program must then be assembled (using PAL-D) and loaded into a binary file. This file must then be loaded into core (using LOADER) and the contents of locations 0-1777 must then be saved in another file called UFDSPY. The program may subsequently be loaded and executed by the command `.RU UFDSPY`, or in a case where the file is stored on the library account (account 0,2), `.R UFDSPY`.

ERROR CONDITIONS

If the line-printer is not available, the message `LPT?` is printed on the user's console when the program is executed, and control then returns to the System Interpreter.

/ DUMP USER DIRECTORY

```

                                *0
0000 5000          JMP 00

                                *20
0020 7300  ST1,   CLA CLL
0021 1177          TAD (WHOPTR
0022 6616          WHO
0023 1176          TAD (ORBLOCK
0024 6601          OPEN
0025 7440          SZA
0026 7402          HLT
0027 5575          JMP I: (XSTR)
0030 0000  ORBLOCK, 0
0031 0001          J
0032 0000  WHOPTR, 0;
0033 0000  0;
0034 0000  0

0035 0000  NTYP,   0
0036 3061          DCA PTR
0037 1174          TAD (-3
0040 3060          DCA CNT
0041 1461  R1,    TAD I PTR
0042 7012          RTR
0043 7012          RTR
0044 7012          RTR
0045 0173          AND (77
0046 1172          TAD (240
0047 4070          JMS TYPE
0050 1461          TAD I PTR
0051 0173          AND (77
0052 1172          TAD (240
0053 4070          JMS TYPE
0054 2061          ISZ PTR
0055 2060          ISZ CNT
0056 5041          JMP R1
0057 5435          JMP I NTYP

0060 0000  CNT,   0
0061 0000  PTR,   0

0062 0000  CRLF,  0
0063 1171          TAD (215
0064 4070          JMS TYPE
0065 1170          TAD (212
0066 4070          JMS TYPE
0067 5462          JMP I CRLF

0070 0000  TYPE,  0
0071 6046          TLS
0072 7200          CLA
0073 5470          JMP I TYPE

```

0074	0000	RDISC,	0
0075	7200		CLA
0076	1167		TAD (-10
0077	3125		DCA WC
0100	1112		TAD INFO
0101	3126		DCA CA
0102	1116		TAD LINK
0103	3127		DCA LORDER
0104	3124		DCA HORDER
0105	1166		TAD (RBLOCK
0106	6603		RFILE
0107	7200		CLA
0110	5474		JMP T RDISC
0111	0000	XSEGS,	0
0112	0112	INFO,	.
0113	0000	NM1,	0
0114	0000	01	
0115	0000	0	
0116	0000	LINK,	0
0117	0000	KPROT,	0
0120	0000	KSEGS,	0
0121	0000	KERROR,	0
0122	0000	KFTND,	0
0123	0000	RBLOCK,	0
0124	0000	HORDER,	0
0125	0000	WC,	0
0126	0000	CA,	0
0127	0000	LORDER,	0
0130	0000	ERR,	0
0131	7300	FINISH,	CLA CLL
0132	7200		CLA
0133	1165		TAD (QAZ
0134	4143		JMS TYPMES
0135	1111		TAD XSEGS
0136	4564		JMS T (OPRT1
0137	0003		3
0140	1163		TAD (4002
0141	6442		REL
0142	7402		HLT
0143	0000	TYPMES,	0
0144	3153		DCA P
0145	1553		TAD T P
0146	7450		SNA
0147	5543		JMP I TYPMES
0150	4070		JMS TYPE
0151	2153		TSZ P
0152	5145		JMP TYPMES+2
0153	0000	P,	0

PAGE

0200	0000	PREXT,	0
0201	7012		RTR
0202	7012		RTR
0203	7012		RTR
0204	7010		RAR
0205	0377		AND (37
0206	1376		TAD (-11
0207	7450		SNA
0210	5300		JMP DATP
0211	1375		TAD (11
0212	7440		SZA
0213	5217		JMP GOTEXT
0214	4302	NULEXT,	JMS SPACFS
0215	7774		-4
0216	5600		JMP T PREXT
0217	1374	GOTEXT,	TAD (-10
0220	7450		SNA
0221	5214		JMP NULEXT
0222	7001		IAC
0223	3277		DCA FXTN
0224	1373		TAD (256
0225	4070		JMS TYPE
0226	1277		TAD FXTN
0227	7440		SZA
0230	5233		JMP NOTTMP
0231	1372		TAD (TMP
0232	5275		JMP TYPEXT
0233	7001	NOTTMP,	IAC
0234	7440		SZA
0235	5240		JMP NOTFCL
0236	1371		TAD (FCL
0237	5275		JMP TYPEXT
0240	7001	NOTFCL,	IAC
0241	7440		SZA
0242	5245		JMP NOTBAC
0243	1370		TAD (BAC
0244	5275		JMP TYPEXT
0245	7001	NOTBAC,	IAC
0246	7440		SZA
0247	5252		JMP NOTBAS
0250	1367		TAD (BAS
0251	5275		JMP TYPEXT
0252	7001	NOTBAS,	IAC
0253	7440		SZA
0254	5257		JMP NOTBIN
0255	1366		TAD (BIN
0256	5275		JMP TYPEXT
0257	7001	NOTBIN,	IAC
0260	7440		SZA
0261	5264		JMP NOTSAV
0262	1365		TAD (SAV
0263	5275		JMP TYPEXT
0264	7001	NOTSAV,	IAC
0265	7440		SZA
0266	5271		JMP WHAT
0267	1364		TAD (ASC
0270	5275		JMP TYPEXT

0271	7300	WHAT,	CLA CLL
0272	4302		JMS SPACFS
0273	7775		-3
0274	5276		JMP TYPEXT+1
0275	4143	TYPEXT,	JMS TYPMES
0276	5600		JMP I PRFXT
0277	0000	FXTN,	0
0300	1343	DATP,	TAD (DAT
0301	5275		JMP TYPEXT
0302	0000	SPACES,	0
0303	1702		TAD T SPACES
0304	2302		IS7 SPACES
0305	3313		DCA CXY
0306	1362	R99,	TAD (240
0307	4070		JMS TYPE
0310	2313		IS7 CXY
0311	5306		JMP R99
0312	5702		JMP T SPACFS

0313	0000	CXY,	0
0314	0256	DAT,	2561
0315	0304	3041	
0316	0301	3011	
0317	0324	3241	
0320	0000	0	
0321	0324	TMP,	3241
0322	0315	3151	
0323	0320	3201	
0324	0000	0	
0325	0306	FCL,	3061
0326	0303	3031	
0327	0314	3141	
0330	0000	0	
0331	0302	RIN,	3021
0332	0311	3111	
0333	0316	3161	
0334	0000	0	
0335	0302	RAC,	3021
0336	0301	3011	
0337	0303	3031	
0340	0000	0	
0341	0302	RAS,	3021
0342	0301	3011	
0343	0323	3231	
0344	0000	0	
0345	0323	SAV,	3231
0346	0301	3011	
0347	0326	3261	
0350	0000	0	
0351	0301	ASC,	3011
0352	0323	3231	
0353	0303	3031	
0354	0000	0	

0362	0240
0363	0314
0364	0351
0365	0345
0366	0331
0367	0341
0370	0335
0371	0325
0372	0321
0373	0256
0374	7770
0375	0011
0376	7767
0377	0037

PAGE

*400

0400	7300	XSTRT,	CLA CLL
0401	3116		DCA LINK
0402	4074		JMS RDTSC
0403	1116		TAD LINK
0404	7650		SNA CLA
0405	7402		HLT
0406	1377		TAD (4002
0407	6440		ASD
0410	7650		SNA CLA
0411	5224		JMP OKASD
0412	1376		TAD (NOLPT
0413	4143		JMS TYPMES
0414	7402		HLT
0415	0314	NOLPT,	314;
0416	0320		320;
0417	0324		324;
0420	0277		277;
0421	0215		215;
0422	0212		212;
0423	0000		0
0424	1375	OKASD,	TAD (6666
0425	3071		DCA TYPE+1
0426	1374		TAD (14
0427	4070		JMS TYPE
0430	1373		TAD (15
0431	4070		JMS TYPE
0432	5772		JMP I (LPTHDR
0433	4074	REPT,	JMS RDISC
0434	1120		TAD KSEGS
0435	1111		TAD XSEGGs
0436	3111		DCA XSEGGs
0437	4771		JMS T (SPACES
0440	7755		-23
0441	1370		TAD (NM1
0442	4035		JMS NTPP
0443	1117		TAD KPROT
0444	4767		JMS T (PREXT
0445	5766		JMP T (MOR
0446	7200	PEPPP,	CLA
0447	1373		TAD (15
0450	4070		JMS TYPE
0451	1365		TAD (12
0452	4070		JMS TYPE
0453	1116		TAD LINK
0454	7650		SNA CLA
0455	5764		JMP T (FINISH
0456	5233		JMP REPT
0457	0000	PROCTL,	0
0460	3302		DCA QUUX1
0461	1363		TAD (-4
0462	3303		DCA CNTXX
0463	1302		TAD QUUX1
0464	7100		CLL
0465	7004		PAL
0466	7006	PEPXY,	RTL;

0467	7004	PAL	
0470	3302		DCA QUIX1
0471	1302		TAD QUIX1
0472	0342		AND 17
0473	1361		TAD 1260
0474	4070		JMS TYPE
0475	1302		TAD QUIX1
0476	2303		IS7 CNTXX
0477	5266		JMP REPLY
0500	7300		CLA CLL
0501	5657		JMP T PROCTL
0502	0000	QUIX1,	0
0503	0000	CNTXX,	0

0504	0000	PRINTN,	0
0505	3302		DCA QUIX1
0506	1302		TAD QUIX1
0507	7012		RTR;
0510	7010	RAR	
0511	0362		AND 17
0512	7450		SNA
0513	5317		JMP PSPAC
0514	1361		TAD 1260
0515	4070		JMS TYPE
0516	5321		JMP PD2
0517	1360	PSPAC,	TAD 1240
0520	4070		JMS TYPE
0521	1302	PD2,	TAD QUIX1
0522	0362		AND 17
0523	1361		TAD 1260
0524	4070		JMS TYPE
0525	5704		JMP T PRINTN

0560	0240
0561	0260
0562	0007
0563	7774
0564	0131
0565	0012
0566	0600
0567	0200
0570	0113
0571	0302
0572	1000
0573	0015
0574	0014
0575	6666
0576	0415
0577	4002

PAGE

0600	7300	MOR,	CLA CLL
0601	4777		JMS T (SPACES
0602	7762		-16
0603	1117		TAD KPROT
0604	0376		AND (37
0605	4775		JMS T (PRINTN
0606	4777		JMS T (SPACES
0607	7760		-20
0610	1120		TAD KSFGS
0611	4774		JMS T (DPRT1
0612	0003		3
0613	4777		JMS T (SPACES
0614	7763		-15
0615	1121		TAD KERROR
0616	4773		JMS T (DATEX
0617	4777		JMS T (SPACES
0620	7765		-13
0621	1122		TAD KFINO
0622	4772		JMS T (PROCTL
0623	4777		JMS T (SPACES
0624	7764		-14
0625	1116		TAD LINK
0626	4772		JMS T (PROCTL
0627	5771		JMP T (REPPP

0630	0215	0A2,	215)
0631	0212	212)	
0632	0212	212)	
0633	0240	240)	
0634	0240	240)	
0635	0324	324)	
0636	0317	317)	
0637	0324	324)	
0640	0301	301)	
0641	0314	314)	
0642	0240	240)	
0643	0323		323)
0644	0305	305)	
0645	0307	307)	
0646	0315	315)	
0647	0305	305)	
0650	0316	316)	
0651	0324	324)	
0652	0323	323)	
0653	0272	272)	
0654	0240	240)	
0655	0240	240)	
0656	0000	0	
0657	0000		0

/ PRINT THE LINE-PRINTER HEADINGS

0771 0446
 0772 0457
 0773 1451
 0774 1600
 0775 0504
 0776 0037
 0777 0302

PAGE

1000	7300	LPTHDR,	CLA CLL
1001	4777		JMS I (SPACES
1002	7710		-70
1003	1376		TAD (HEADX
1004	3353		DCA PT
1005	1753	QREPT,	TAD T PT
1006	2353		IS7 PT
1007	7450		SNA
1010	5215		JMP QDONE
1011	4070		JMS TYPE
1012	1375		TAD (240
1013	4070		JMS TYPE
1014	5205		JMP QREPT
1015	5774	QDONE,	JMP I (MORLPT
1016	1373	RMOR,	TAD (15
1017	4070		JMS TYPE
1020	1372		TAD (212
1021	6666		6666
1022	4070		JMS TYPE
1023	4777		JMS T (SPACES
1024	7752		-26
1025	1371		TAD (PNAM
1026	4143		JMS TYPMES
1027	4777		JMS T (SPACES
1030	7763		-15
1031	1370		TAD (PROTCT
1032	4143		JMS TYPMFS
1033	4777		JMS T (SPACES
1034	7766		-12
1035	1367		TAD (SGMNTS
1036	4143		JMS TYPMES
1037	4777		JMS T (SPACES
1040	7763		-15
1041	1366		TAD (QDATE
1042	4143		JMS TYPMFS
1043	4777		JMS T (SPACES
1044	7764		-14
1045	1365		TAD (PPOINT
1046	4143		JMS TYPMES
1047	4777		JMS T (SPACES
1050	7765		-13
1051	1364		TAD (PLINK
1052	4143		JMS TYPMFS
1053	4062		JMS CRLF
1054	4062		JMS CRLF
1055	5763		JMP T (REPT

1056	0325	HEADX,	325;
1057	0323		323;
1060	0305		305;

1061	0322	322	
1062	0240	240	
1063	0303	303	
1064	0301	301	
1065	0324	324	
1066	0301	301	
1067	0314	314	
1070	0317	317	
1071	0307	307	
1072	0215		215
1073	0212	212	
1074	0212	212	
1075	0000	0	
1076	0316	PNAM,	316
1077	0301	301	
1100	0315	315	
1101	0305	305	
1102	0000	0	
1103	0320	PROTCT,	320
1104	0322	322	
1105	0317	317	
1106	0324	324	
1107	0305	305	
1110	0303	303	
1111	0324	324	
1112	0311	311	
1113	0317	317	
1114	0316	316	
1115	0000	0	
1116	0323	SGMNTS,	323
1117	0305	305	
1120	0307	307	
1121	0315	315	
1122	0305	305	
1123	0316	316	
1124	0324	324	
1125	0323	323	
1126	0000	0	
1127	0304	ODATE,	304
1130	0301	301	
1131	0324	324	
1132	0305	305	
1133	0000	0	
1134	0320	PPPOINT,	320
1135	0317	317	
1136	0311	311	
1137	0316	316	
1140	0324	324	
1141	0305	305	
1142	0322	322	
1143	0000	0	
1144	0314	PLINK,	314
1145	0311	311	
1146	0316	316	
1147	0313	313	
1150	0215	215	
1151	0212	212	
1152	0000	0	
1153	0000	PT,	0

1163 0433
 1164 1144
 1165 1134
 1166 1127
 1167 1116
 1170 1103
 1171 1076
 1172 0212
 1173 0015
 1174 1200
 1175 0240
 1176 1056
 1177 0302

PAGE

1200	7300	MORLPT,	CLA	CLL
1201	4777		JMS	T (SPACES
1202	7704			-74
1203	1376		TAD	(ACTR
1204	4143		JMS	TYPMES
1205	6617		ACT	
1206	7012		RTR)	
1207	7012	RTR)		
1210	7012	RTR		
1211	0375		AND	(77
1212	4774		JMS	T (PRINTN
1213	1373		TAD	(254
1214	4772		JMS	I (TYPE
1215	6617		ACT	
1216	0375		AND	(77
1217	4774		JMS	T (PRINTN
1220	1371		TAD	(15
1221	4070		JMS	TYPE
1222	1370		TAD	(12
1223	4070		JMS	TYPE
1224	1370		TAD	(12
1225	4070		JMS	TYPE
1226	4777		JMS	T (SPACES
1227	7702			-74
1230	6414		DATE	
1231	4767		JMS	T (DATEX
1232	4062		JMS	CRLF
1233	4062		JMS	CRLF
1234	4062		JMS	CRLF
1235	5766		JMP	I (RMOR

1236	0301	ACTR,	301)
1237	0303	303)	
1240	0303	303)	
1241	0317	317)	
1242	0325	325)	
1243	0316	316)	
1244	0324	324)	
1245	0240	240)	
1246	0000	0	

/ DIVIDE SUBROUTINE

1366 1016
 1367 1451
 1370 0012
 1371 0015
 1372 0070
 1373 0254
 1374 0504
 1375 0077
 1376 1236
 1377 0302

PAGE

1400 0000 DIVIDE, 0
 1401 7300 CLA CLL
 1402 1600 TAD T DIVIDE
 1403 3246 DCA DIV1
 1404 2200 YS7 DIVIDE
 1405 1600 TAD T DIVIDE
 1406 3247 DCA DIV2
 1407 2200 YS7 DIVIDE
 1410 3250 DCA TEMP
 1411 7300 LOOP1, CLA CLL
 1412 1246 TAD DIV1
 1413 7710 SPA CLA
 1414 7240 I1, STA
 1415 3245 DCA SWITCH

 1416 7300 I2, CLA CLL
 1417 1247 TAD DIV2
 1420 7041 CIA
 1421 1246 TAD DIV1
 1422 3246 DCA DIV1
 1423 2250 YS7 TEMP
 1424 1246 TAD DIV1
 1425 7700 SMA CLA
 1426 5211 JMP LOOP1
 1427 2245 YS7 SWITCH
 1430 7410 SKP
 1431 5214 JMP L1
 1432 1246 TAD DIV1
 1433 1247 TAD DIV2
 1434 3246 DCA DIV1
 1435 7240 STA
 1436 1250 TAD TEMP
 1437 3600 DCA T DIVIDE
 1440 2200 YS7 DIVIDE
 1441 1246 TAD DIV1
 1442 3600 DCA T DIVIDE
 1443 2200 YS7 DIVIDE
 1444 5600 JMP T DIVIDE

1445 0000 SWITCH, 0
 1446 0000 DIV1, 0
 1447 0000 DIV2, 0
 1450 0000 TEMP, 0

1451	0000	DATEX,	0
1452	3250		DCA TEMP
1453	1320		TAD D372
1454	3261		DCA CLSUB1+1
1455	1250		TAD TEMP
1456	3260		DCA CLSUB1
1457	4200		JMS DIVIDE
1460	0000	CLSUB1,	0
1461	0000		0
1462	0000		0
1463	0000		0
1464	1263		TAD .-1
1465	3271		DCA CLSUB2
1466	1321		TAD D31
1467	3272		DCA CLSUB2+1
1470	4200		JMS DIVIDE
1471	0000	CLSUB2,	0
1472	0000		0
1473	0000		0
1474	0000		0
1475	1273		TAD CLSUB2+2
1476	7001		TAC
1477	4777		JMS T (DPRT1
1500	0002		2
1501	1376		TAD (255
1502	4070		JMS TYPE
1503	1274		TAD CLSUB2+3
1504	7001		TAC
1505	4777		JMS T (DPRT1
1506	0002		2
1507	1376		TAD (255
1510	4070		JMS TYPE
1511	1262		TAD CLSUB1+2
1512	1317		TAD D1964
1513	4777		JMS T (DPRT1
1514	0004		4
1515	7300		CLA CLL
1516	5651		JMP T DATEX

DECIMAL

1517	3654	D1964,	1964
1520	0564	D372,	372
1521	0037	D31,	31

OCTAL

/ PRINT TIME ON TTY

1522	0000	PTIME,	0
1523	7300	CLA	CLL
1524	4775	JMS	UNPTIM
1525	1774	TAD	HOUR
1526	4341	JMS	DPRIN
1527	1373	TAD	(272
1530	4070	JMS	TYPE
1531	1772	TAD	MIN
1532	4341	JMS	DPRIN
1533	1373	TAD	(272
1534	4070	JMS	TYPE
1535	1771	TAD	SEC
1536	4341	JMS	DPRIN
1537	7300	CLA	CLL
1540	5722	JMP	I PTIME

1541	0000	DPRIN,	0
1542	3304	DCA	:+2
1543	4200	JMS	DIVIDE
1544	0000	0	
1545	0012	12	
1546	0000	0	
1547	0000	0	
1550	1346	TAD	:-2
1551	1370	TAD	(260
1552	4070	JMS	TYPE
1553	1347	TAD	:-4
1554	1370	TAD	(260
1555	4070	JMS	TYPE
1556	5741	JMP	I DPRIN

1570	0260
1571	1760
1572	1757
1573	0272
1574	1756
1575	1644
1576	0255
1577	1600

PAGE

/ PRINT NUMBER WITH VARIABLE NUMBER OF DIGITS

1600	0000	DPRT1,	0
1601	3251		DCA DPRREG
1602	3252		DCA DPRD
1603	1600		TAD I DPRT1
1604	3253		DCA DPRDIG
1605	2200		ISZ DPRT1
1606	1256		TAD DPRINS
1607	3215		DCA DPRPTR
1610	7346		STA CLL RTL
1611	3254		DCA DPRFAC
1612	3255		DCA DPRDGT
1613	7100	DPRSUB,	CLL
1614	1251		TAD DPRREG
1615	0000	DPRPTR,	0
1616	7420		SNL
1617	5223		JMP .+4
1620	3251		DCA DPRREG
1621	2255		ISZ DPRDGT
1622	5213		JMP DPRSUB
1623	7200		CLA
1624	1255		TAD DPRDGT
1625	1252		TAD DPRD
1626	7640		SZA CLA
1627	5236		JMP DPRDYN
1630	1254		TAD DPRFAC
1631	1253		TAD DPRDIG
1632	7750		SPA SNA CLA
1633	5242		JMP DPRTIN
1634	1263		TAD C240
1635	5241		JMP DPRPR
1636	2252	DPRDIN,	ISZ DPRD
1637	1255		TAD DPRDGT
1640	1262		TAD C260
1641	4070	DPRPR,	JMS TYPE
1642	2215	DPRTIN,	ISZ DPRPTR
1643	2254		ISZ DPRFAC
1644	5212		JMP DPRSUB-1
1645	1251		TAD DPRREG
1646	1262		TAD C260
1647	4070		JMS TYPE
1650	5600		JMP I DPRT1

1651	0000	DPRREG,	0
1652	0000	DPRD,	0
1653	0000	DPRDIG,	0
1654	0000	DPRFAC,	0
1655	0000	DPROGT,	0
1656	1257	DPRINS,	TAD DPRP

DECIMAL

1657	6030	DPRP,	-1000
1660	7634		-100
1661	7766		-10

OCTAL

1662	0260	C260,	260
1663	0240	C240,	240

/ CONVERT TO OCTAL

1664	0000	UNPTTM,	0
1665	6413		RCR
1666	7041		CIA
1667	3350	DCA	UNPTDV
1670	1334	TAD	UNPTAD
1671	6412		TOD
1672	1347	TAD	UNPTDA
1673	3346	DCA	UNPTPD
1674	1342	TAD	UNPTOT
1675	3341	DCA	UNPTPO
1676	1361	TAD	M4
1677	3337	DCA	UNPTCT
1700	3335	UNPTLP,	DCA UNPTNM
1701	3336		DCA UNPTNM+1
1702	1355	TAD	UNPTI
1703	7100		CLL
1704	1746	TAD T	UNPTPD
1705	3340	DCA	UNPTMP
1706	7420		SNL
1707	7240	CLA	CMA
1710	1354	TAD	UNPTH
1711	7420		SNL
1712	5322	JMP	UNPTND
1713	3354	DCA	UNPTH
1714	1340	TAD	UNPTMP
1715	3355	DCA	UNPTL
1716	2335	YSZ	UNPTNM
1717	7410		SKP
1720	2336	YSZ	UNPTNM+1
1721	5302	JMP	UNPTLP+2
1722	7200	UNPTND,	CLA
1723	1336	TAD	UNPTNM+1
1724	3354	DCA	UNPTH
1725	1335	TAD	UNPTNM
1726	3741	DCA T	UNPTPO
1727	2346	YSZ	UNPTPD
1730	2341	YSZ	UNPTPO

1731	2337		TS7 UNPTCT
1732	5300		JMP UNPTLP
1733	5664		JMP I UNPTIM

1734	1754	UNPTAD,	UNPTH
1735	0000	UNPTNM,	0
1736	0000		0
1737	0000	UNPTCT,	0
1740	0000	UNPTMP,	0
1741	0000	UNPTPO,	0
1742	1755	UNPTOT,	UNPTL
1743	1756		HOUR
1744	1757		MIN
1745	1760		SEC
1746	0000	UNPTPD,	0
1747	1750	UNPTDA,	UNPTDV

DECIMAL

1750	0000	UNPTDV,	0
1751	0760		-3600
1752	7704		-60
1753	7777		-1

OCTAL

1754	0000	UNPTH,	0
1755	0000	UNPTI,	0
1756	0000	HOUR,	0
1757	0000	MIN,	0
1760	0000	SEC,	0
1761	7774	M4,	-4

0163	4002
0164	1600
0165	0630
0166	0123
0167	7770
0170	0212
0171	0215
0172	0240
0173	0077
0174	7775
0175	0400
0176	0030
0177	0032

ACTR	1236	ASC	0351	RAC	0335	RAS	0341
BIN	0331	CA	0126	CLSUR1	1460	CLSUR2	1471
CNT	0060	CNTXX	0503	CRLF	0062	CXX	0313
C240	1663	C260	1662	DAT	0314	DATEY	1451
DATP	0300	DIVIDE	1400	DIV1	1446	DIV2	1447
DPRD	1652	DPRDGT	1655	DPRDIG	1653	DPRDIN	1636
DPRFAC	1654	DPRIN	1541	DPRINS	1656	DPRP	1657
DPRPR	1641	DPRPTR	1615	DPRREG	1651	DPRSUB	1613
DPRTIN	1642	DPRT1	1600	D1964	1517	D31	1521
D372	1520	ERR	0130	FXTN	0277	FCL	0325
FINISH	0131	GOTEXT	0217	HEADX	1056	HORDER	0124
HOOR	1756	INFO	0112	KERROR	0121	KFTND	0122
KPROT	0117	KSEFGS	0120	LINK	0116	LOOP1	1411
LORDER	0127	LPTHDR	1000	L1	1414	L2	1416
MIN	1757	MOR	0600	MORLPT	1200	M4	1761
NM1	0113	NQLPT	0415	NOTBAC	0245	NOTBAS	0252
NOTBIN	0257	NOTFCL	0240	NOTSAV	0264	NOTTMP	0233
NTYP	0035	NULEXT	0214	OBLOCK	0030	OKASD	0424
P	0153	PD2	0521	PLTNK	1144	PNAM	1076
PPOINT	1134	PRFXT	0200	PRINTN	0504	PROCTL	0457
PROTCT	1103	PSPAC	0517	PT	1153	PTIME	1522
PTR	0061	QAZ	0630	QDATE	1127	QDNE	1015
QREPT	1005	QUHX1	0502	RBLOCK	0123	RDISC	0074
REPPP	0446	REPT	0433	REPX	0466	RMOR	1016
R1	0041	R99	0306	SAV	0345	SEC	1760
SGMNTS	1116	SPACES	0302	ST1	0020	SWTTC	1445
TEMP	1450	TMP	0321	TYPE	0070	TYPEXT	0275
TYPMES	0143	UNPTAD	1734	UNPTCT	1737	UNPTDA	1747
UNPTDV	1750	UNPTH	1754	UNPTTM	1664	UNPTL	1755
UNPTLP	1700	UNPTMP	1740	UNPTND	1722	UNPTNM	1735
UNPTOT	1742	UNPTPD	1746	UNPTPO	1741	WC	0125
WHAT	0271	WHOPTR	0032	XSEFGS	0111	XSTRT	0400

U S E R C A T A L O G

ACCOUNT 0, 2

1-22-1974

NAME	PROTECTION	SFGMENTS	DATE	POINTER	LINK
SYSTAT.SAV	1P	5	10-12-1973	0150	0200
PTP.SAV	1P	10	10-12-1973	0210	0230
CAT.SAV	1P	6	10-12-1973	0240	0250
PALD.SAV	1P	16	10-12-1973	0240	0310
UNTHI.SAV	1P	2	10-12-1973	0320	0330
LOADER.SAV	1P	5	10-12-1973	0340	0350
LOGTD.SAV	1P	3	10-12-1973	0340	0450
EDIT.SAV	1P	8	10-12-1973	0460	0520
WTG.SAV	1P	1	10-12-1973	0530	0400
MICRO.SAV	1P	5	1- 2-1974	0410	0620
ACCTS.DAT	1P	1	1- 2-1974	0630	0660
SCAN.SAV	1P	1	1- 2-1974	0670	0540
SFGS.SAV	1P	1	1- 2-1974	0550	0700
USERS.SAV	1P	1	1- 3-1974	0710	0720
USER.SAV	1P	1	1- 3-1974	0730	0760
LYSTEP.SAV	1P	2	1- 4-1974	0770	0600
OUT.SAV	1P	1	1- 4-1974	0610	0740
LOGOUT.SAV	1P	1	1- 4-1974	0750	0420
COPY.SAV	1P	10	1- 8-1974	0430	1010
FICAL.SAV	1P	16	1- 8-1974	1020	1000
STATUS.SAV	1P	5	1- 8-1974	1050	1100
BASIC.SAV	1P	38	1- 9-1973	1110	1170
DNT.SAV	1P	6	1-16-1974	1200	1060
ZAP.SAV	1P	2	1-17-1974	1070	1210
UPDATF.SAV	1P	3	1-22-1974	1220	1230
LCAT.SAV	1P	6	1-22-1974	1240	0000

TOTAL SEGMENTS: 156