

```

LL          JJ      SSSSSSSSSSSS      CCCCCCCCCCCC      GGGGGGGGGGGG      11          666666666666      11
LL          JJ      SSSSSSSSSSSS      CCCCCCCCCCCC      GGGGGGGGGGGGGG     111         555566666666     111
LL          JJ      SS          SS      CC          CC      GG          GG     1111        66          1111
LL          JJ      SS          SS      CC          CC      GG          GG     11          66          11
LL          JJ      SS          SS      CC          CC      GG          GG     11          66          11
LL          JJ      SSSSSSSSSSSS      CC          GG          11          666666666666     11
LL          JJ      SSSSSSSSSSSS      CC          GG          11          666666666666     11
LL          JJ      SS          SS      CC          GG          11          66          66     11
LL          JJ      SS          SS      CC          GG          11          66          66     11
LL          JJ      SS          SS      CC          GG          11          66          66     11
LLLLLLLLLLLLLLLL      JJJJJJJJJJJJ      SSSSSSSSSSSS      CCCCCCCCCCCC      GGGGGGGGGGGGGG     111111      666666666666     111111
LLLLLLLLLLLLLLLL      JJJJJJJJJJJJ      SSSSSSSSSSSS      CCCCCCCCCCCC      GGGGGGGGGGGGGG     111111      666666666666     111111

```

```

JJ      000000000000      BBBB BBBB BBBB      999999999999      555555555555      666666666666      888888888888
JJ      000000000000      BBBB BBBB BBBB      999999999999      555555555555      666666666666      888888888888
JJ      00          00      BB          BB      99          99      55          55      66          66      88          88
JJ      00          00      BB          BB      99          99      55          55      66          66      88          88
JJ      00          00      BB          BB      99          99      55          55      66          66      88          88
JJ      00          00      BBBB BBBB BBBB      999999999999      555555555555      666666666666      888888888888
JJ      00          00      BBBB BBBB BBBB      999999999999      555555555555      666666666666      888888888888
JJ      00          00      BB          BB      99          99      55          55      66          66      88          88
JJ      00          00      BB          BB      99          99      55          55      66          66      88          88
JJJJJJJJJJJJJJ      00000000000000      BBBB BBBB BBBB      999999999999      555555555555      666666666666      888888888888
JJJJJJJJJJJJJJ      000000000000      BBBB BBBB BBBB      999999999999      555555555555      666666666666      888888888888

```

```

BBBBBBBBBBBBBB      IIIIIIIIIIII      NN          NN      888888888888      888888888888      888888888888
BBBBBBBBBBBBBBBB      IIIIIIIIIIII      NNN         NN      888888888888      888888888888      888888888888
BB          BB      II          NNNN         NN      88          88      88          88      88          88
BB          BB      II          NN NN         NN      88          88      88          88      88          88
BB          BB      II          NN NN         NN      88          88      88          88      88          88
BBBBBBBBBBBBBB      II          NN NN         NN      888888888888      888888888888      888888888888
BBBBBBBBBBBBBB      II          NN NN         NN      888888888888      888888888888      888888888888
BB          BB      II          NN NN         NN      88          88      88          88      88          88
BB          BB      II          NN NN         NN      88          88      88          88      88          88
BB          BB      II          NN NN         NN      88          88      88          88      88          88
BBBBBBBBBBBBBB      IIIIIIIIIIII      NN          NNN         NN      888888888888      888888888888      888888888888
BBBBBBBBBBBBBB      IIIIIIIIIIII      NN          NN          NN      888888888888      888888888888      888888888888

```

PRINT STARTED AT 01:02:29 ON PRT4 , WEDNESDAY JULY 21, 1976

SLAC CENTER, STANFORD CENTER FOR INFORMATION PROCESSING

*UGT Dragon*

\*\*\*\*\*

```

LL          JJ          SSSSSSSSSSSS  CCCCCCCCCCCC  GGGGGGGGGGGG          11          666666666666          11
LL          JJ          SSSSSSSSSSSS  CCCCCCCCCCCC  GGGGGGGGGGGGGG       111          666666666666          111
LL          JJ          SS          SS          CC          CC          GG          GG       1111          66          1111
LL          JJ          SS          CC          CC          GG          GG       11          66          11
LL          JJ          SSSSSSSSSSSS  CC          GG          11          66          11
LL          JJ          SSSSSSSSSSSS  CC          GG          11          666666666666          11
LL          JJ          SS          CC          GG          GGGG          11          666666666666          11
LL          JJ          SS          CC          GG          GGGGG          11          66          66          11
LL          JJ          JJ          JJ          SS          SS          CC          CC          GG          GG          11          66          66          11
LL          JJ          JJ          JJ          SS          SS          CC          CC          GG          GG          11          66          66          11
LLLLLLLLLLLLLLLL  JJJJJJJJJJJJJ  SSSSSSSSSSSS  CCCCCCCCCCCC  GGGGGGGGGGGGGG       111111          666666666666          111111
LLLLLLLLLLLLLLLL  JJJJJJJJJJJJJ  SSSSSSSSSSSS  CCCCCCCCCCCC  GGGGGGGGGGGGGG       111111          666666666666          111111

```

```

JJ          0000000000  BBBB BBBB BBBB          9999999999          555555555555          666666666666          8888888888
JJ          000000000000  BBBB BBBB BBBB BBBB          999999999999          555555555555          666666666666          888888888888
JJ          00          00  BB          BB          99          99          55          66          88          88
JJ          00          00  BB          BB          99          99          55          66          88          88
JJ          00          00  BB          BB          99          99          55          66          88          88
JJ          00          00  BBBB BBBB BBBB          999999999999          555555555555          666666666666          888888888888
JJ          00          00  BBBB BBBB BBBB          999999999999          555555555555          666666666666          888888888888
JJ          00          00  BB          BB          99          55          66          66          88          88
JJ          00          00  BB          BB          99          55          66          66          88          88
JJ          00          00  BB          BB          99          55          66          66          88          88
JJJJJJJJJJJJJJ  00000000000000  BBBB BBBB BBBB BBBB          999999999999          555555555555          666666666666          888888888888
JJJJJJJJJJJJJJ  000000000000  BBBB BBBB BBBB BBBB          999999999999          555555555555          666666666666          888888888888

```

```

BBBBBBBBBBBBBB  IIIIIIIIIIII  NN          NN          888888888888          888888888888          888888888888
BBBBBBBBBBBBBBBB  IIIIIIIIIIII  NNN          NN          88888888888888          88888888888888          88888888888888
BB          BB          II          NNN          NN          88          88          88          88          88          88
BB          BB          II          NN NN          NN          88          88          88          88          88          88
BB          BB          II          NN NN          NN          88          88          88          88          88          88
BBBBBBBBBBBBBB  II          NN          NN          888888888888          888888888888          888888888888
BBBBBBBBBBBBBB  II          NN          NN          888888888888          888888888888          888888888888
BB          BB          II          NN          NN NN          88          88          88          88          88          88
BB          BB          II          NN          NN NN          88          88          88          88          88          88
BB          BB          II          NN          NNNN          88          88          88          88          88          88
BBBBBBBBBBBBBB  IIIIIIIIIIII  NN          NNN          888888888888          888888888888          888888888888
BBBBBBBBBBBBBB  IIIIIIIIIIII  NN          NN          888888888888          888888888888          888888888888

```

\*\*\*\*\*  
\*--07/16/76-- SUMMER MICROFILM PROCESSING SCHEDULE -----\*

DUE TO VACATIONS, THE MICROFILM TECHNICIAN WILL BE ON DUTY FROM 12:00 TO 20:30,  
MONDAY THROUGH FRIDAY AND 08:00 TO 16:30 SUNDAY, FROM JULY 19 THROUGH AUGUST 5.

\*--7/1/76----- NEW SUBROUTINES AVAILABLE FOR TESTING -----\*

NEW VERSIONS OF IMSL AND EISPACK AS WELL AS SEVERAL OTHER ROUTINES ARE NOW  
AVAILABLE FOR TESTING. TO USE THEM, SPECIFY LKEDLVR=NEW, GOVER=NEW ON THE EXEC  
CARD. NA.GUIDE AND WRITEUPS ARE BEING UPDATED TO INCLUDE THESE ROUTINES.

\*--7/1/76----- NEW FORTRAN H EXTENDED COMPILER INSTALLED -----\*

A NEW VERSION OF THE FORTRAN H EXTENDED COMPILER HAS BEEN INSTALLED. TO USE THE  
PREVIOUS VERSION, SPECIFY FORTVER=OLD.  
\*\*\*\*\*

ASM H V 05 00.15 07/21/76

SYMBOL	TYPE	ID	ADDR	LENGTH	LD	ID
MCS80	SD	0001	000000	000141		

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM H V 05 00.15 07/21/76
				2	PRINT OFF SUPPRESS LISTING OF MACROS	1.002
				1037	PRINT ON, GEN, NODATA	1.006
				1038	GBLA E@ (256)	1.008
000000				1039	MCS80 CSECT	1.01
				1040	ASCII , DEFINE ASCII CHARACTER SET	1.012
				1077	*INCLUDE #VGTDEFNS USER LJS GRO CG ON CAT	2.
				1078	*****	2.001
				1079	*	2.002
				1080	* THE VGT - VIDEO GRAPHICS TERMINAL *	2.003
				1081	*	2.004
				1082	* **** HARDWARE DEFINITIONS **** *	2.005
				1083	*	2.006
				1084	*	2.007
				1085	*****	2.008
				1086	* LAST UPDATE 23 MAY 76 LJS	2.009
				1087	*	2.01
				1088	* MEMORY MAP *	2.011
				1089	*	2.012
00400		1090	K	EQU	1024	2.013
00000		1092	ROM	EQU	0*K	2.014
02000		1094	CPURAM	EQU	8*K	2.015
00080		1096	CPURAMSZ	EQU	128	2.016
02800		1098	CHGENROM	EQU	10*K	2.017
03000		1100	CHGENRAM	EQU	12*K	2.018
04000		1102	RAM	EQU	16*K	2.019
04400		1104	WRAPADDR	EQU	17*K	2.02
		1106	*			2.021
		1107	*			2.022
		1108	*	I/O	SYMBOLS MARKED '(PORT)' ARE I/O PORTS,	2.023
		1109	*		OTHERS ARE BIT-WITHIN-PORT DEFINITIONS.	2.024
		1110	*			2.025
		1111	*			2.026
		1112	*	INPUT PORTS		2.027
		1113	*			2.028
00084		1114	KEYBOARD	EQU	X'84' (PORT)	2.029
00085		1116	STATBITS	EQU	X'85' (PORT)	2.03
00010		1118	KBNEWCHR	EQU	X'10'	2.031
00008		1120	FRAMECNT	EQU	X'08'	2.032
00004		1122	FRAMEINT	EQU	X'04'	2.033
00002		1124	KBATTN	EQU	X'02'	2.034
00001		1126	KBRPT	EQU	X'01'	2.035
00041		1128	URTSTAT	EQU	X'41' (PORT)	2.036
00001		1130	URTTXRDY	EQU	X'01'	2.037
00002		1132	URTRXRDY	EQU	X'02'	2.038
00038		1134	URTRERR	EQU	B'00111000'	2.039
00001		1136	URTRCV	EQU	X'01' (PORT)	2.04
00086		1138	ATODVAL	EQU	X'86' (PORT)	2.041
00087		1140	PARIN	EQU	X'87' (PORT)	2.042
00001		1142	PRTREADY	EQU	X'01'	2.043

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM H V 05 00.15 07/21/76
				1145 *		2.045
				1146 *	OUTPUT PORTS	2.046
				1147 *		2.047
00082				1148 RSFRMINT EQU	X'82' (PORT) RESET FRAME INTERRUPT	2.048
00083				1150 RSURTINT EQU	X'83' (PORT) RESET USART INTERRUPT	2.049
00084				1152 DISADDRH EQU	X'84' (PORT) HIGH-ORDER DISPLAY ADDRESS	2.05
00085				1154 DISADDRL EQU	X'85' (PORT) LOW-ORDER DISPLAY ADDRESS	2.051
00086				1156 BELL EQU	X'86' (PORT) BEEPER	2.052
00087				1158 CHLINE1 EQU	X'87' (PORT) 1ST LINE OF ROW 1 TO DISPLAY	2.053
00080				1160 MODESET EQU	X'80' (PORT) CONTROL BITS:	2.054
00080				1162 REVR SVID EQU	X'80' REVERSE VIDEO CONTROL	2.055
00040				1164 SCRNBLENK EQU	X'40' SCREEN BLANKING CONTROL	2.056
00020				1166 NOROMCHR EQU	X'20' NO ROM CHARS (RAM ONLY) IN TEXT MODE	2.057
0000C				1168 URTCLOCK EQU	X'0C' USART EXTERNAL/INTERNAL CLOCK CONTRL	2.058
00010				1170 GRAPHMD EQU	X'10' GRAPH MODE	2.059
00002				1172 QUICKMD EQU	X'02' QUICK MODE FOR RAM ACCESS	2.06
00001				1174 SIXTNMD EQU	X'01' 16 RASTERS/ROW MODE	2.061
00041				1176 URTCTL EQU	X'41' (PORT) USART CONTROL BITS:	2.062
00057				1178 URTINTRS EQU	B'01010111' INTERNAL RESET (TO SET MODE)	2.063
0007A				1180 URTMODE EQU	B'01111010' ASYNC, EVEN PARITY, 7BITS, 16XCLK	2.064
00079				1182 URTX1MD EQU	B'01111001' ASYNC, EVEN PARITY, 7BITS, 1XCLK<--	2.065
0000F				1184 URTBREAK EQU	B'00001111' SEND BREAK	2.066
00007				1186 URTRSBRK EQU	B'00000111' RESET BREAK	2.067
00017				1188 URTRSERR EQU	B'00010111' RESET RCV ERR, RCV ENB, DTR, XMT ENB	2.068
00001				1190 URTXMT EQU	X'01' (PORT) USART TRANSMITTED CHARACTER	2.069
0008E				1192 URTSPEED EQU	X'8E' (PORT) USART BAUD RATE; 4 BITS RCV, 4 XMIT	2.07
00096				1194 KBRESET EQU	X'96' (PORT) RESET KB STROBE FF (IE 'KBNEWCHR')	2.071
0009E				1196 ATODSEL EQU	X'9E' (PORT) SELECT ANALOG SOURCE BY 1 OF A3-A0	2.072
000A6				1198 ATODSTRT EQU	X'A6' (PORT) START A/D CONVERSION (20 USEC.)	2.073
000AE				1200 KBCLICK EQU	X'AE' (PORT) KEYBOARD CLICK	2.074
000B6				1202 PAROUT EQU	X'B6' (PORT) PARALLEL DATA OUT	2.075
000BE				1204 PARRESET EQU	X'BE' (PORT) PARALLEL OUTPUT RESET	2.076

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	ASM H V 05 00.15 07/21/76
				1207 *		4.
				1208 *		5.
				1209 *	----- DRAGON DRAWER -----	6.
				1210 *		7.
				1211 *		8.
				1212 *	THIS IS THE DRAGON DRAWER FOR VGT (VIDEO GRAPHICS TERMINAL).	9.
				1213 *		10.
				1214 *	STANFORD LINEAR ACCELERATOR CENTER	11.
				1215 *	COMPUTATION RESEARCH GROUP	12.
				1216 *	P.O. BOX 4349	13.
				1217 *	STANFORD, CA. 94305	14.
				1218 *		15.
				1219 *	JANUARY, 1976	16.
				1220 *		17.
				1221 *	ORIGINALLY WRITTEN FOR ANOTHER COMPUTER BY J. ZOLNOWSKY.	18.
				1222 *		19.
				1223 *	MODIFIED FOR THE VGT BY L. SHUSTEK AND E. FRANK.	20.
				1224 *		21.
				1225 *		22.
				1226 *	LEFT/RIGHT TURN TABLE	23.
				1227 *		24.
000000	0000EABF			1228	DRAGTABL DC X'0000EABF'	25.
000004	0000EABF			1229	DC X'0000EABF'	26.
000008	ABAB2883			1230	DC X'ABAB2883'	27.
00000C	FEFEC23C			1231	DC X'FEFEC23C'	28.
				1232 *		29.
000010	0B030F0C0E020A08			1233	DRAGSTDT DC X'0B030F0C0E020A08'	30.
000018	0B030F0C0E020A08			1234	DC X'0B030F0C0E020A08'	31.
				1235 *		32.
000020	001E1B191B16070F			1236	DRAGCRNT DC AL1(0,30,27,25,27,22,7,15)	33.
000028	0705030302020100			1237	DC AL1(7,5,3,3,2,2,1,0)	34.
				1238 *		35.
000030	FFC8A050321B230A			1239	DRAGSIDT DC AL1(255,200,160,80,50,27,35,10)	36.
000038	0AC5050302010101			1240	DC AL1(10,5,5,3,2,1,1,1)	37.
				1241 *		38.
		00040		1242	ENDDIN EQU *	39.
				1244	*****	40.
		00040		1245	DRAGON EQU *	41.
				1247	LODI B,0	42.
000040	0600			1249	LODI HL,DRAGSTDT	43.
000042	211000			1251	ADD HL,BC	44.
000045	09			1253	LOD A,M	45.
000046	7E			1255	ST A,DRAGSTDR	46.
000047	323801			1257	LODI HL,DRAGCRNT	47.
00004A	212000			1259	ADD HL,BC	48.
00004D	09			1261	LOD A,M	49.
00004E	7E			1263	ST A,DRAGCRNR	50.
00004F	323901			1265	LODI HL,DRAGSIDT	51.
000052	213000			1267	ADD HL,BC	52.
000055	09			1269	LOD A,M	53.
000056	7E			1271	ST A,DRAGSIDE	54.
000057	323A01			1273	LOD A,C	55.
00005A	79			1275	LODI HL,1	56.
00005B	210100			1277	DEC A	57.
00005E	3D			1279	JMP S,DRAGCTOK	58.
00005F	FA6700					

000062	29	1281	DRAGCTAD	ADD	HL,HL		59.
000063	3D	1283		DEC	A		60.
000064	F26200	1285		JMP	NS,DRAGCTAD		61.
000067	223B01	1287	DRAGCTOK	ST	HL,DRAGCNT	SAVE COUNT AWAY	62.
00006A	214619	1289		LODI	HL,80*80+70	INITIAL XY	63.
00006D	223D01	1291		ST	HL,DRAGXY		64.
000070	3E80	1293		LODI	A,X'80'		65.
000072	323F01	1295		ST	A,DRAGBIT	INITIAL ROVING BIT	66.
000075	324001	1297		ST	A,DRAGEVOD	INITIAL EVEN/ODD FRAME COUNTER	67.
000078	3A3801	1299		LD	A,DRAGSTDR	START GOING RIGHT DIRECTION	68.
00007B	57	1301		LOD	D,A		69.
00007C	0600	1303		LODI	B,0		70.
00007E	0E00	1305		LODI	C,0		71.
		1307		LODI	E,X'0F'		72.



LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	
000080	1E0F			1308		
000082	C3A400			1309	JMP	U,DRAGALNG 73.
000085	2A3B01			1311	DRAGLOP1 LD	HL,DRAGCNT WHICH WAY DO WE TURN 74.
000088	7C			1313	DRAGLOP2 LOD	A,H LOOK FOR LOW ORDER ON BIT 75.
000089	A7			1315	AND	A 76.
00008A	1F			1317	ROT	RC 77.
00008B	67			1319	LOD	H,A 78.
00008C	7D			1321	LOD	A,L 79.
00008D	1F			1323	ROT	RC 80.
00008E	6F			1325	LOD	L,A 81.
00008F	D28800			1327	JMP	NC,DRAGLOP2 82.
000092	0F			1329	ROT	R 83.
000093	3E0F			1331	LODI	A,X'0F' 84.
000095	D29C00			1333	JMP	NC,DRAGNSWP 85.
000098	07070707			1335	ROT	L,4 86.
00009C	5F			1337	DRAGNSWP LOD	E,A 87.
00009D	3A3901			1339	LD	A,DRAGCRNR START THE CORNER 88.
0000A0	47			1341	LOD	B,A 89.
0000A1	CDBA00			1343	CAL	DRAGSEG 90.
0000A4	3A3A01			1345	DRAGALNG LD	A,DRAGSIDE NOW THE STRAIGHT SEGMENT 91.
0000A7	47			1347	LOD	B,A 92.
0000A8	CDBA00			1349	CAL	DRAGSEG 93.
0000AB	2A3B01			1351	LD	HL,DRAGCNT UPDATE COUNT 94.
0000AE	2B			1353	DEC	HL 95.
0000AF	223B01			1355	ST	HL,DRAGCNT 96.
0000B2	7C			1357	LOD	A,H 97.
0000B3	B5			1359	IOR	L TEST FOR ZERO COUNT 98.
0000B4	C28500			1361	JMP	NZ,DRAGLOP1 99.
0000B7	C30000			1363	JMP	ALPHA 100.
IEV044	*** ERROR ***				UNDEFINED SYMBOL	
IEV044	*** ERROR ***				UNDEFINED SYMBOL	
				1365	*	
0000BA	7A			1366	DRAGSEG LOD	A,D 101.
0000BR	210000			1368	DL D	HL,DRAGTABL 102.
0000BE	85			1370	ADD	L 103.
0000BF	6F			1372	LOD	L,A 104.
0000C0	7E			1374	LOD	A,M 105.
0000C1	A3			1376	AND	E 106.
0000C2	57			1378	LOD	D,A 107.
0000C3	07070707			1380	ROT	L,4 108.
0000C7	B2			1382	IOR	D 109.
0000C8	E60F			1384	ANDI	X'0F' 110.
0000CA	57			1386	LOD	D,A 111.
				1388	*****	START OF 'OUT SCOPNTL/SCOPSPOT' REPLACEMENT 112.
0000CB	D5			1389	PUSH	DE 113.
0000CC	4A			1391	LOD	C,D INC/DEC X/Y BITS 114.
0000CD	2A3D01			1393	LD	HL,DRAGXY 115.
0000D0	04			1395	INC	B 116.
0000D1	C32701			1397	JMP	DRAGSGLQ 117.
0000D4	79			1399	DRAGSGLP LOD	A,C 118.
0000D5	E608			1401	ANDI	X'08' 119.
0000D7	CAEB00			1403	JMP	Z,DRAGDOY NOT DOING X... 120.
						121.

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE STATEMENT	
0000DA	79			1405	LOD A,C	122.
0000DB	E604			1407	ANDI X'04'	123.
0000DD	3A3F01			1409	LD A,DRAGBIT	124.
0000E0	C23001			1411	JMP NZ,DRAG1	125.
0000E3	0F			1413	ROT R	126.
0000E4	D2E800			1415	JMP NC,DRAG2	127.
0000E7	23			1417	INC HL	128.
0000E8	323F01			1419	ST A,DRAGBIT	129.
0000EB	79		DRAG2	1421	LOD A,C	130.
0000EC	E602		DRAGDOY	1423	ANDI X'02'	131.
0000EE	CA1201			1425	JMP Z,DRAGSPOT	132.
0000F1	79			1427	LOD A,C	133.
0000F2	E601			1429	ANDI X'01'	134.
0000F4	3A4001			1431	LD A,DRAGEVOD	135.
0000F7	CA0601			1433	JMP Z,DRAG3	136.
0000FA	EE80			1435	XORI X'80'	137.
0000FC	FA0F01			1437	JMP S,DRAG5	138.
0000FF	110000			1439	LODI DE,LINESIZE	139.
IEV044	***	ERROR	***	UNDEFINED SYMBOL		
IEV044	***	ERROR	***	UNDEFINED SYMBOL		
000102	19			1441	ADD HL,DE	140.
000103	C30F01			1443	JMP DRAG5	141.
000106	EE80		DRAG3	1445	XORI X'80'	142.
000108	F20F01			1447	JMP NS,DRAG5	143.
00010B	110000			1449	LODI DE,-LINESIZE	144.
IEV044	***	ERROR	***	UNDEFINED SYMBOL		
IEV044	***	ERROR	***	UNDEFINED SYMBOL		
00010F	19			1451	ADD HL,DE	145.
00010F	324001			1453	ST A,DRAGEVOD	146.
000112	EB		DRAGSPOT	1455	XCH HL,DE	147.
000113	210000			1457	LODI HL,GRAPHEVN	148.
IEV044	***	ERROR	***	UNDEFINED SYMBOL		
IEV044	***	ERROR	***	UNDEFINED SYMBOL		
000116	3A4001			1459	LD A,DRAGEVOD	149.
000119	B7			1461	IOR A	150.
00011A	FA2001			1463	JMP S,DRAG4	151.
00011D	210000			1465	LODI HL,GRAPHODD	152.
IEV044	***	ERROR	***	UNDEFINED SYMBOL		
IEV044	***	ERROR	***	UNDEFINED SYMBOL		
000120	19		DRAG4	1467	ADD HL,DE	153.
000121	3A3F01			1469	LD A,DRAGBIT	154.
000124	AE			1471	XOR M	155.
000125	77			1473	LOD M,A	156.
000126	EB			1475	XCH HL,DE	157.
000127	05		DRAGSGLQ	1477	DEC B	158.
000128	C2D400			1479	JMP NZ,DRAGSGLP	159.
00012B	223D01			1481	ST HL,DRAGXY	160.
00012E	D1			1483	POP DE	161.
				1485	***** END OF REPLACEMENT	162.
00012F	C9			1486	RET	163.
000130	07		DRAG1	1488	ROT L	164.
000131	D2E800			1490	JMP NC,DRAG2	165.

LOC	OBJECT CODE	ADDR1	ADDR2	STMT	SOURCE	STATEMENT	
000134	2B			1492		DEC HL	166.
000135	C3E800			1494		JMP DRAG2	167.
				1496	*		168.
				1497	*		169.
				1498		ORG ENDLEN	170.
IEV044	*** ERROR ***	UNDEFINED	SYMBCL	1500	*		171.
000138				1501	DRAGSTDR	DS XL1	172.
000139				1503	DRAGCRNR	DS XL1	173.
00013A				1505	DRAGSIDE	DS XL1	174.
00013B				1507	DRAGCNT	DS XL2	175.
				1509	*		176.
00013D				1510	DRAGXY	DS 2	177.
00013F				1512	DRAGBIT	DS 1	178.
000140				1514	DRAGEVOD	DS 1	179.
				1516	*		180.
				1517		END	181.002