THE CONTENTS OF THIS MANUAL REVEAL MANY OF THE MYSTERIES OF THE GAME. THE GAME DIRECTOR, OR "OPERATOR" MAY WISH TO CONCEAL THE CONTENTS FROM THE PLAYERS IN ORDER TO ENHANCE THE EXCITEMENT OF THE GAME. THE OPERATOR SHOULD PLAY THE GAME BF.FORE READING THE LISTINCS!

## KIM—VENTURE

## CASSETTE INFORMATION

Thirty seconds (30 sec.) of SYNC characters first. KIM speed. ID Loads Time

A1 000 - 0FO :35 After loading all three segments of A2 0100-03FF 1:40 the game, use the key sequence AD, A3 $1780-17 \mathrm{E}$ : $: 20 \quad .0100, \mathrm{GQ}$ to start the game.
060100 - 0274 Scoring Program. Do not load this segment until you are ready to stop the game.

The information in this manual has been reviewed and is believed to be entirely reliable. However, no responsibility is assumed by either Robert Leedom or ARESCO, Inc. for any inaccuracies. The material in this manual is for informational purposes only and is subject to change without notice.
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These notes do not relate to the play of the game, but rather to the loading and running of the program by someone familiar with the KIM-1 microcomputer. Having followed these instructions, the "operator" may then turn the game over to a player (or group of players), giving the player only the sheets labeled KIM-VENTURE INSTRUCTIONS.

LOADING THE PROGRAM

It is assumed that the operator knows the basic procedure for loading programs from audio tape. If not, the subject is well covered on page 47 of the KIM-1 User Manual. The KIM-VENTURE cassette consists of approximately 30 seconds of SYNC characters, followed by three program segments. The segments have been given ID numbers A1, A2, and A3. To load the program, you must load the first segment (ID A1); stop the recorder while you change the ID to A2, then load the second segment. Finally, stop the recorder while changing the ID to A3, and load the last segment of the program.

## RUNNING THE PROGRAM

1. Once the program has been loaded, start the game wi th the key sequence: $\widehat{\overline{\mathrm{AD}}}, 0,1,0,0, \widehat{(0)}$
2. At any time, the game can be halted by pressing the RESET key ( $\overline{\mathrm{RS} /}$ ). The game may be resumed at the point of interruption by using the key sequence $\sqrt{A D}, 0,1,0,0, G 0$.
3. To start a new game without having to reload the whole program, start by loading only the first segment (ID=A1). Check location 03BD to be sure that it contains OE. It may have been changed to 05; if so, enter OE before going on.

The change can be done by using the key sequence $\overline{\mathrm{AD}}, 0$, $3, B, D, \mid \overline{D A} /, 0, E$. Then begin the game again using the key sequence specified in step 1 ( $\sqrt{\mathrm{AD}^{\prime}}, 0,1,0,0, \sqrt{\mathrm{GO}}$ ).
4. If the players wish to stop the game and resume play at a later date, the operator can save the game status by dumping page zero (locations 0000 through 00 EE) on cassette. Label the cassette STATUS DATA. Write the data stored in location 03BD on the tape label along with the title. This data will be needed when play is resumed. When ready to begin the game again (from the point at which it was stopped), load sections A1, A2, and A3, then load your stored page zero Status Data. Load location 03BD with the data written on the cassette label, then start the game as usual at location 0100 .

## SCORING

To check on a player's score, stop the game using the RS (reset) key. Then load the scoring program (ID=06). Remember to set $\mathrm{Fl}=0$ ! Then enter $\mathrm{AD}, 0100$, GO . KIM will display the word SCORE, then the player's CLASS and the number of moves it took that player to reach that class. The object, of course, is to obtain the lowest number of moves fhieh orfesponds to the highest-elef).

## CLASS TITLE

## QUALIFICATIONS

A Grandmaster
B Master
C Junior Master
D Seasoned Adventurer
E Advanced Adventurer
F Experienced
Adventurer
G Explorer
H Amateur
I Novice
J Beginner
0 Unrated
Deposited both treasures inside the house in 40 moves or less
Deposited both treasures inside the house in 41 moves or more
Deposited one treasure inside the house
Visited all areas of the caverns
Found both treasures
wot stuck in the caverns. If a player gets stuck, he cannot carn a higher rating!
Passed the first big obstacle - OR - used the $F$ key correctly Entered the caverns Found three objects Explored all the above-ground locations None


TO CHANGE THE DISPLAY RATE

If KIM "text" is unfamiliar (for example, "ur $\boldsymbol{A t}$ " is read "You are at"), the operator may want to slow down the display to give the players more time to examine it. Changing the data in location O2EA from CO to a larger number (for example, EO) will slow the display rate. Once the players have become familiar with the text, the operator may wish to "speed up" the game somewhat by increasing the speed of the display rate. A value smaller than CO in location O2EA (such as 50) will speed it up. Experiment to determine which display rate is most comfortable for the players.

## PROGRESS CHECK

"Losing" is doing something during the course of the adventure that makes it impossible to get any further in the game. There are no messages to this effect, since it will usually take the players several moments to come to the conclusion that they. are "trapped in the caves". If the players think they've lost, the operator can check their "score" by pressing RESET ( $\overline{R S} /$ ), and checking the following locations:

If location 0040 contains 01 , the player cannot get any deeper into the caves because the necessary resources have been used up.

If location 0045 contains 06 AND if location 003 E does not have bit 2 set to 1 (that is, if the contents of 003E, ANDed with $\$ 04$ is not equal to $\$ 04$ ), then the player is stuck right where he is...and he doesn't have what he needs to get out.

If neither of the above conditions is true, the player is still in the game. Confinue, using $\mid \overline{A D}, 0100, \overline{G O}$.

If the player has not "lost" the game, he may still find himself unable to retrieve the treasures, and may concede a "loss". In this event, he receives no score at all. If the player retrieves only one treasure, he receives no score. In order to "win" the game, the player must retrieve both treasures and leave them in the cellar of the house.
Many players come to the conclusion that they can leave the treasure "at" the house, rather than "in" it; the operator may or may not wish to call this error to the player's attention.
The operator may wish to provide pencils and paper to the players so they can keep track of where they have been and of the "symbols" displayed. Many players will draw a "map" of the caves as they explore, drawing in all the objects and monsters encountered. The operator should cooperate, because the players will feel more confident of their ability to "figure it out". In addition, the operator may wish to keep a running tally of the number of locations visited by each player (or group of players). This "score" can then be used (Igno to award titles such as "grand master" or "adventurer extraordinaire" to the player with the least number of moves.

The listing provided with the game is for the operator's use, and (as with these notes) should not be shown to the players. The operator might find it desireable to make modifications or enhancements, since this version of KIM-VENTURE is designed to be run on a "bare-bones" KIM.

We welcome any comments and/or suggestions regarding your experiences with KIM-VENTURE. Please do not hesitate to offer your remarks, since we are definitely interested in doing all we can to improve and upgrade the game.

Robert Leedom


| 0033 | 1 E |
| :--- | :--- |
| 0034 | 37 |
| 0035 | 73 |
| 0036 | 3 E |
| 0037 | 6 E |
| 0038 | 53 |
| 0039 | 08 |
| $003 A$ | $5 B$ |
| $003 B$ | 00 |
| $003 C$ | 00 |

003D 00
003E 00
003 F 00
0040 FF
0041 EC
004200
004300
004400
0045 OB
0046 FF
004700
004800
004900
004A 00
004B 03
004C 00
$004 D 02$
004E 04
004 F 08
005010
005120
005240
005380
; (continuation of IUTBL)

14
15
16
17
18
19
1 A . (period)
1B 2
1C RES 1 Variable (signpost)
1D RES 1 Variable (? or magic button)
;
;
; Program variables (except for a very few ; located elsewhere)
NMBUTS No, of magic button uses BURDEN Bit \#n set if carrying object \#n. DLOBAD Abs address of obj to be deleted.
DRAGON $\quad F F=$ hungry; $0=$ dead; $1=f u l l$. EGOLAD Current address of EGO file. LOCAD Addr of current loaction file.
LINTAX Pointer: $0=E G O I A D ; 1=L O C A D$.
LOBJAD Addr of last obj in file, or of object of interest.
LOCNUM Number of current location.
MBUT
NOBCRY
NOBS
OBJ
POINTR
MOVES L.S. Half of number of moves.
;
Program constants
;
OBJMSK B00000010 (1) Bird When obj is B00000100 (2) Rope picked up (or is B00001000 (3) Rod dropped), the B00010000 (4) File proper bit is B00100000 (5) Cage ORed into (or is B01000000 (6) Pearls NANDed out of ) B10000000 (7) Gold BURDEN.

## ;

Message addresses. These are the ADL's of the messages, all of which are assumed to reside in page 3 (see POINTR+1). Order of this table is paramount! There is a variable thrown in here to separate $A D O P G R$ and $A D B R D G$...

| 005434 | ADOPGR | +OPNGRM | Open Grate <br> $-1,0,1,2$ : Browse, Carry, |  |
| :---: | :---: | :---: | :---: | :---: |
| 005500 | SCDU | RES 1 |  |  |
| 0056 2B | ADBRDG | +BRAGM | Bridge Across | Gu |
| 0057 BE | OBMSAD | +ADDRAG | (0) Dragon : |  |
| 0058 DC |  | +BIRD | (1) Bird |  |
| 005943 |  | +ROPE | (2) Rope |  |
| 005A E4 |  | +ROD | (3) Rod |  |
| 005 B 25 |  | +FILE | (4) File |  |
| 005C 22 |  | +CAGE | (5) Cage |  |
| 005 D 1C |  | +PEARLS | (6) Pearls |  |
| 005E 46 |  | +GOLD | (7) Gold |  |
| 005 F 8 C | UINMAD | +URIN | You Are In |  |
| 006089 |  | +URAT | You Are At |  |
| 0061 B5 |  | +ISEE | I See - |  |
| 0062 E? | CYMSAD | +CARRY | Carry - |  |
| 0063 D7 |  | +DROP | Drop - |  |
| 0064 AE |  | +USE | Use - |  |
| 006506 | LNAMAD | +CELLAR | Cellar | 0 |
| 006609 |  | +PURPLO | Purple Oracle | 1 |
| 006711 |  | +REDRM | Red Room | 2 |
| 006818 | ADSSM | +STSTPS | Stone Steps | 3 |
| 0069 D3 |  | +BLUDEN | Blue Den | 4 |
| 006A 3C | ADGRM | +STGRAT | Steel Grate | 5 |
| 006B 4F |  | +HOLE | Hole | 6 |
| 006C 38 | ADGYM | +GULLY | Gully | 7 |
| 006D 7B | ADRHM | +RYHALL | Royal Hall | 8 |
| 006E AB |  | +HOUSE | House | 9 |
| 006F DB |  | +BIRDRM | Bird Room | A |
| 007070 |  | +STREAM | Stream | B |
| 007152 | ADTSM | +TSHAFT | Tight Shaft | C |
| 007293 |  | +NPIT | N. Pit | D |
| 0073 EF |  | +GROTTO | Grotto | E |
| 0074 6A |  | +OYSTRB | Oyster-bed | F |
| 007528 |  | +CHUTE | Chute | 10 |
| 007673 |  | +EPIT | E. Pit | 11 |
| 0077 9B |  | +ATTIC | Attic | 12 |
| 0078 EB |  | +SPIT | S. Pit | 13 |
| 007956 |  | +TUNNEL | Tunnel | 14 |
| 007A 5D |  | +SLIT | 2-Inch Slit | 15 |
| 007B 82 |  | +GLEN | Glen | 16 |
| 007C F3 |  | +FOREST | Forest | 17 |

CAVE MAP
Format for file for each location in caves is as follows:


Bit $7=0$. Bit $6=1$ if magic button works in this location. Bits $5,4,3,2,1,0=1$ if you can leave this location in the $D, U, W, S$, E,N direction, respectively. This word is used as the "signpost" in the Cue message.
next (up Bit $7=0$, bit $6=1$. Bits 5 - 0 specify a to) six words location. The first of these words specifies the destination for the lowest-numbered bit which is set in word 1: the second specifies the destination for the next-lowest bit set in word 1, etc. Therefore, there must be one of these words for each of the first six bits $(5-0)$ set in word 1 of this file.
next (up Bit? $=0$, bit $6=0$. Bits $5-0$ specify the to) eight object number of an object at this location. words There may be as many as eight of these words. or there may be none at all.

007D 88
007E 3F
007 F 4 E
008043
00814 C
LOCNUM $=8 \quad$ Royal Hall

0082 4D
008352
Directions: $N, E, S, W, U, D$
N to Grotto (E)
E to Stone Sters (3)
$S$ to Tight Shaft (C)
$W$ to N. Pit (D)
008450
U to Attio (12)
008500 DRAGAD Dragon
;

| 0086 | 94 | LOCNUN $=14$ |
| :--- | :--- | :--- |
| 0087 | 11 | Directions $N, U$ |
| 0088 | 4 A | N to Bird Room (A) |
| 0089 | 45 | U to Steel Grate (5) |
| 008 A | 03 | Rod |


| $\dot{0} 08 \mathrm{~B}$ | 95 | LOCNUM $=15$ | 2-Inch Slit |
| :---: | :---: | :---: | :---: |
| 008C | 05 | Directions: N,S |  |
| 008D | 4 B | $N$ to Stream (B) |  |
| 008E | 45 | S to Steel Grate (5) |  |
| $\dot{B} 08 \mathrm{~F}$ | 96 | LOCNUM $=16$ | Glen |
| 0090 | 02 | Directions: E |  |
| 0091 | 4 B | E to Stream (B) |  |
| $\stackrel{\dot{8}}{0} 092$ | 8F | LOCNUM $=\mathrm{F}$ | Oyster-Bed |
| 0093 | 10 | Directions: U |  |
| 0094 | 44 | U to Blue Den (4) |  |
| 0095 | 06 | Pearls |  |
| íog6 | 80 | LOCNUM $=0$ | Cellar |
| 0097 | 50 | Directions: U, Magic (Magic to Stone Steps) |  |
| 0098 | 49 | U to (at) House (9) |  |
| 0099 | 05 | Cage |  |
| 009A | 02 | Rope |  |
| 009B | 04 | File |  |
| $\dot{;}$ | 81 | LOCNUN $=1$ | Purple Oracle |
| 009D | OA | Directions: W,E |  |
| 009E | 4 A | E to Bird Room (A) |  |
| 009F | 43 | W to Stone Steps (3) |  |
| ¢0, 0 | 82 | LOCNUM $=2$ | Red Room |
| 00A1 | 52 | Directions: E,U,Magic <br> (Magic to Cellar) |  |
| 00A2 | 47 | E to Gully (7) |  |
| 00A3 | 52 | U to Attic (12) |  |
| O0A4 | 07 | Gold |  |
| $\dot{i}^{0} 5$ | 83 | LOCNUM $=3$ | Stone Steps |
| 00A6 | 70 | Directions: U,D,Magic <br> (Magic to Cellar) |  |
| 00A7 | 41 | U to Purple Oracle (1) |  |
| OOA. 8 | 48 | D to Royal Hall (8) |  |
| $\begin{aligned} & \dot{\text { O.OA }} 9 \end{aligned}$ | 84 | LOCNUM $=4$ | Blue Den |
| OOAA | 61 | Directions: N.D,Magic <br> (Magic to Cellar) |  |
| OOAB | 46 | $N$ to Hole (6) |  |
| 00AC | 4 F | D to Oyster-Bed (F) |  |
| OOAD | 85 | LOCNUM $=5$ | Steel Grate |
| OOAE | 21 | Directions: NsD |  |
| 00AF | 55 | N to 2-Inch Slit (15) |  |
| OOBO | 54 | D to Tunnel (14) |  |
| ; |  |  |  |


;
LOCNUM $=A \quad$ Bird Room
Directions: S,W
s to Tunnel (14)
to Purple Oracle (1)
LOCNUM $=\mathrm{B}$
Stream
Directions: N,E,S,W
E to Forest (17)
$S$ to 2-Inch Slit (15)
$W$ to Glen (16)
LOCNUM $=\mathrm{C} \quad$ Tieht Shaft
Directiors: U.D
U to Attic (12)
D to S, Pit (13)
LOCNUM $=\mathrm{D} \quad$ B. Pit
(11)
W to Chute (10)
D to Hole (6)
LOCNUM $=\mathrm{E} \quad$ Grotto
Directions: N,S,W
$N$ to Stone Steps (3)
$S$ to N. Pit (D)
W to Gully (7)
Forest
Directions: N,W
$N$ to House (9)
$W$ to Stream (B)










| 033 C | 04 CD 55 | 8F |
| :---: | :---: | :---: |
| 0340 | 13 B2 D5 |  |
| 0343 | FB A1 65 |  |
| 0346 | F1 3A 84 |  |
| 0349 | F3 2135 |  |
| 034 C | F4 A9 5F |  |
| 034 F | 2F 6A 85 |  |
| 0352 | 07 FD 71 | 36 |
| 0356 | DE 9958 |  |
| 0359 | FC 6212 | DF |
| 035D | 05 1B 10 | 7936 |
| 0362 | 04 FC 87 | DF |
| 0366 | 0979 FD | 65 |
| 036A | OD A1 8C | D5 BF |
| 036 F | 08 |  |
| 0370 | CD B5 21 |  |
| 0373 | 51 AF 16 | 7D |
| 0377 | F1 0115 |  |
| 037 B | 04 BA 18 | 28 F6 28 8F |
| 0382 | 2F 1385 |  |
| 0385 | 9A F1 4A | 18 |
| 0389 | EF BF 2D |  |
| 038 C | EF BF 79 |  |
| 038 F | 082 FC 7 | 13 |
| 0393 | 91 AF 16 | 7 D |
| 0397 | 07 FC 21 | 8 C |
| 039 B | P2 DD 73 |  |
| 039E | 051521 | 37 3F |
| 03 A 3 | 0511 ED | DA 9F |
| 0348 | F7 CF 1D |  |
| 03 AB | F6 AE C5 |  |
| 03 AE | FE C5 F1 |  |
| $03 \mathrm{B1}$ | 0762 8D | 54 |
| 03 B 5 | 7F C5 51 |  |
| 03 B 8 | 061115 | FD 65 |
| 03 BD | OE |  |
| 033 E | 4 B 213 A | 9 F |
| 03 C 2 | $04 \mathrm{C3} 2 \mathrm{~B}$ | 54 |
| 03 C 6 | 09 AE DF | 1118 |
| 03 CE | 04 F5 2D | CF |
| 03 CF | OD 87 DD |  |
| 03 D 3 | OF F1 13 | E5 |
| 03 D 7 | F4 BA 16 |  |
| 03 DB | 04 |  |
| 03 DC | F1 17 B4 |  |
| 03 DF | FB AA 15 |  |
| 03 E 2 | F4 59 |  |
| 0324 | FF BA 4F |  |
| 03 E 7 | 32 BB 18 | 10 |
| 03 EB | C1 AF 16 |  |
| 03 FF | 13 BA DD | AF |


| StGrat | \#4 ST EE I |
| :---: | :---: |
| ROPE | $\mathrm{R}_{\mathrm{R}} \mathrm{OP} \times \mathrm{xE}$ |
| GOLD | G x0 LD |
| CAGE | $C$ AG xE |
| DONMAD | D ON E |
| HOLE | A HO LE |
| TSHAP. | \#7 T IG xH |
| TUNNEI, | TU NN EL |
|  | S HA Fx T* |
| SLIT | \#5 $2 \mathrm{x}-\mathrm{x}$ IN CH |
|  | \#4 S LI T |
|  | \#9 IN T HE |
| OYSTRB | \#D OY XS TE R* |
|  | ${ }_{\text {ST }}{ }^{\circ} \mathrm{B}$ RE AM |
| STREAM | ST RE AM |
| EPIT | $\text { E. } x \text { Px } P^{I M}$ |
| RYHALT | \#4 RO Yx AL Hal I |
| GLEN | A GX LE |
| NOJOY | NO J xO Yx |
| URAT | $\mathrm{U} R \mathrm{AT}$ |
| URIN | U R IN |
| ASSMAD | \#8. SI Gx |
| NPIT | N. x Px IT |
|  | \#7 S AY XS |
| ATTIC | A TT IC |
| MBISAD | \#5 Mx AG xI C |
|  | \#5 Bx UT TO N* |
|  | I S @x |
| HCUSE | Hf off SE |
| USE | U SE |
| HBDRCN | \#7 HA LT ED |
| ISEE | SE E- |
|  | \#6 Bx Yx T HE |
| ADLCMS | \#E (Cnange to \#s fn |
|  | Scare ${ }^{\text {dut...) }}$ |
| adyrac | DR AG $\mathrm{xO} \mathrm{N}^{*}$ |
|  | \# 4 SC AR ED |
|  | \#9 OU T Bx Yx |
|  | \# ${ }^{\text {a }}$ S $\mathrm{A}^{\prime \prime} \mathrm{S}$ |
|  | \#D LI TT LE |
| BLUDEN | \#F E XL UE |
| DROP | D RO Px -x |
| BTPDRM | \#4 |
| SIRD | B XI RD |
|  | R 00 Mx |
|  | D EN |
| ROD | ROD |
| CARRY | CA RR YX - ${ }^{\text {c }}$ |
| SPIT | S. x Px IT |
| GROTTO | Gx RO TT ${ }^{\text {** }}$ |


| 03F3 | 12 | AB | $5 C$ | $D F$ |
| :--- | :--- | :--- | :--- | :--- |
| $03 F 7$ | 32 | 99 | $A D$ |  |
| $03 F A$ | $6 A$ | 17 |  |  |
| $03 F C$ | $F 1$ | $9 F$ | $F F$ | $1 C$ |


| FOREST | Fx | OR | ES |
| :--- | :---: | :--- | :--- |
| CNT |  |  |  |
| CNTMAD | CA | NN | OT |
| HOWMAD | HO | Wx |  |
| CUEMAD | $? ~$ | $x$ | $\& x$ |

Key to characters used in right-hand column of above tables
Letter or space -- the FUTBL 4-tit code for that letter or space.

Letter, dash, "?", ".", or 2: followed by "x" -- the IUTBL 8-bit code for that character.
"@x" -- the IUTBI B-bit code for the character stored in IUTBL (by the NEWLOC and MNMVLP segments) as part of the Magic Button message,
" $\& x^{\prime}$-- the 8-bit code f:rr the Signpost character stored in IUTBL (by tre NEWLOC segment.) as part of CUE msg.
\#n -- the number, $n$, of bytes (in hex) to advance POINTR in order to point to the next successive messace.

* -- a "wasteतु" half-byte
$1780 \quad 3641$ 1782 AO FF

1784 E 8
1.858644

1787 B5 01
1789 OA
178A 30 F8
178 C C8
178D 90 F5
178F 60

1790 A4 43 17922080 1795 A2 EE 1797 B5 00 17999501 179B CA
179C E4 44
179E DO F7
17 A0 A5 49 17A2 9501 17 A4 60

ADDOBJ (Add Object) subroutine. Called to add a dropped object to a location file, or a picked-up object to EGO file. LINTAX is the pointer to the address of the location of interest: 0 for EGO, 1 for file specified by LOCAD. Calls LOBSCH subroutine. Object to be added is specified by contents of OBJ.

Point to file of interest. Find last obj's address. Start at End of Cave Map. Move all files up one location to make room for the object.
Done yet?
No. Keep moving. Yes, store object just abore last object in the file; return.

ADDOBJ LDY LINTAX
JSR LOBSCH
LDX \#EOCM
AOBLP LDA 0,X
STA 1,X
DEX
CPX LOBJAD
BNE AOBLP
LDA OBJ STA 1,X
R'TS

SPROC (Special Processing) segment. Entered from Main Move Loop (MNMVLP) following a "direction" command, this code takes care of any special prohibitions against moving in the commanded direction. (Examples -- can't go through a steel grate, or past a dragon.) Possible exits from SPROC ares to MOVER, if no problems with the commanded direction, to HOWMSG, if "HOw ?" is to be shown to indicate improper conditions for the move, or to MSGAML, showing "Halted By The Dragon", if appropriate.

17 A 5 A 8
17A6 84 F7
17 A 8 A 645
17AA B5 65
17AC D5 4F
17AE FO 08
17B0 EO 05
17B2 FO 24
$17 B 4$ EO 07
17B6 FO 22








| 0000 | LIGHT S/R |
| :--- | :--- |
| 0020 |  |
| 0021 | Character table |
| 003 C |  |
| 003 D | VariabIes |
| 004 C |  |
| 004 D | Constants |
| OO7C |  |
| 007 D | Cave Nap |
| OOEB |  |
| OOEC | EGO File |
| OOEE |  |
| OOEF | KIM Monitor <br> Variables -- <br> SOMe used by <br> KIM-VENTURE |


| 0100 | START segment |
| :--- | :--- |
| 0102 |  |
| 0103 | NEWLOC segment |
| 0147 |  |
| 0148 | MNMVLP segment |
| 018 A |  |
| 01 A | MOVER segment |
| 01 AA | OBUSE segment |
| $01 E B$ |  |
| 01 EC | DELOBJ S/R |
| $01 \mathrm{F7}$ |  |
| 01 FB | Stack |
| 01 FF |  |


| 0200 |  |  |
| :--- | :--- | :--- |
| 0251 | OBHNDI segment |  |
| 0252 | OBCARY segment |  |
| 0277 |  |  |
| 0278 | OBDROP segment |  |
| $02 A D$ |  |  |
| $02 A E$ | FILMSG S/R |  |
| 0305 | (Enさry : O2B3) |  |
| 0306 | Messages |  |
| $03 F F$ |  |  |


| 1780 | LOBSCH S/R |
| :--- | :--- |
| 178 F |  |
| 1790 | ADDOBJ S/R |
| 17 A 4 |  |
| 17 A 5 | SPROC segment |
| 17 E 3 |  |
| 17 E 4 | (spare) |
| 17 E 6 |  |

DEC 1979 RCL


