

.SYSID < .TITLE QDMP15 >,< 002>

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.EJECT

/ UTILITY QDUMP

/ DUMP CORE TO DECTAPE UNIT #7

/ START AT DECTAPE BLOCK #101

/ START AT CORE LOC 5

/ CEASE AT CORE LOCATION SPECIFIED BY CONSOLE SWITCHES

/ EDIT #000 9/30/75 SCR RECREATE FROM BINARY PAPER TAPE

/ EDIT #001 9/30/75 SCR REDESIGN

/ EDIT #002 10/7/75 SCR REDESIGN AGAIN

/ THE ORIGINAL VERSION OF QDMP DUMPED TO DECTAPE ONLY IN PAGE
/ INCREMENTS. PUTTING 7777 IN THE SWITCHES WOULD DUMP 1 PAGE.
/ PUTTING 10000 IN THE SWITCHES WOULD DUMP 2 PAGES. THE 'FEATURE'
/ THAT 0 IN THE SWITCHES WOULD DUMP ALL OF CORE DOESN'T EXIST!
/ 0 IN THE SWITCHES SIMPLY DUMPS 1 PAGE. BIT 0 OF THE SWITCHES,
/ THE 4000000 BIT, THAT IS, IS MASKED OFF.

/ VERSION 001 WILL STILL DUMP OUT ONLY IN PAGE INCREMENTS. 0 OR -
/ NUMBERS IN THE SWITCHES WILL DUMP ALL OF CORE. NOTE, HOWEVER,
/ IN THIS CASE, THE PROGRAM WILL TERMINATE WITH AN ILLEGAL MEMORY
/ HANG RATHER THAN A HALT. 1 IN THE SWITCHES WILL DUMP OUT 1 PAGE.
/ 7777 WILL DUMP 1 PAGE. 10000 WILL DUMP 1 PAGE. 10001 WILL DUMP 2.

/ VERSION 002 WILL DUMP 1K DECIMAL INCREMENTS BECAUSE OF DUMP TYPE-IN
/ NOW ALLOWS THAT INCREMENT. 0 IN THE SWITCHES SPECIFIES UP TO AND
/ INCLUDING THE PRESENT LOCATION OF THE QDMP TAPE. 1777 IN SWITCHES
/ DUMPS 1K. 2000 IN SWITCHES DUMPS 2K. I.E. WE HAVE GONE BACK TO
/ ORIGINAL CONCEPT OF THE WORKING OF THE LIMIT, FOR COMPATIBILITY.

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/      .DBREL
      .FULLP
      .LOC 77650

/
S0 0 /SAVE LOC 0
S1 0 / AND 1
S2 0 / 2
S3 0 / 3
S4 0 / 4
S30 0 / SAVE DECTAPE CHANNEL LOC'S 30
S31 0 / AND 31
SSC 0 / SAVE STEP COUNTER
WC 0 / TEMPRARY FOR WORD COUNT
SNAICMA /SKIP UNLESS AC=0 SPECIAL CASE
XOR WC /SPECIAL, - ADDR OF QDMP ITSELF
AND (776000 /WORD COUNT TO 1K BOUNDARY
AAC 5 /CORRECT FOR STARTING AT 5
DAC WC /HOLD FOR NOW
RET LAC (770000 /RETRY LOOP
707545 /DECTAPE IOT'S JUST COPIED
707561
JMP .-1
707572
AND (270000
740200
JMS ERROR
777676
DAC* (30
LAC (4 /CURRENT ADDR TO START DUMPING 5
DAC* (31
LAC (731000
XX 707545
707561
SKP
JMS ERROR
707601
JMP XX
LAC* (4
XOR (101
AND (7777 /??????
740200
JMS ERROR
LAC WC /FETCH WORD COUNT
DAC* (30
LAC (5000
XY 707544
707561
SKP
JMS ERROR
707601
JMP XY
707551
JMP HALTIT

/
ERROR 0
LAC ERROR /ADDR IN AC FOR HALT DEBUGGING?
HALTIT HLT

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/      JMP      RET      /RETRY?
/ NEW STARTING POSITION SO WE CAN JMS WC
/
START  DBA          /PAGE MODE
      LACS          /STEP COUNT
      DAC          SSC
      LAC* (30      /SAVE DT REG'S
      DAC          S30
      LAC* (31
      DAC          S31
      LAC* (0        /SAVE LOC'S 0-4
      DAC          S0
      LAC* (1
      DAC          S1
      LAC* (2
      DAC          S2
      LAC* (3
      DAC          S3
      LAC* (4
      DAC          S4
      CLL!LAS      /CORE LIMIT IN AC, CLEAR LINK FOR JMS
      JMS          WC /ADDR OF QDMP TO WC. LINK=0, PAGE MODE
/                /MAKE TOP BITS OF ADDR 0 !!
      .END        START

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