

? EXECUTE PATCH/MERGE

PACKET 1102  
INPUT 35 CARDS FROM CRA  
TIME 1618  
DATE 77013 THURSDAY, 01/13/77

UCSC  
patches to CANDE  
1/13/77

\*\*\* MESSAGE OF THE DAY \*\*\*

WELCOME TO B5700 TIME SHARING,  
MAY YOUR DATA BE DEPENDABLE AND YOUR PROGRAMS PROVEN.  
FROM THE STAFF OF THE BIG BAD BURROUGHS.

\*\*\* BURROUGHS B5700 TSMCP MARK XVI,0.69 AND INTRINSICS MARK XVI,0.00 \*\*\*

? EXECUTE PATCH/MERGE

? FILE CARD= PMCARD

? DATA PMCARD

4:PATCH/MERGE= 2 BUJ 1618 10/12/76  
CDA IN PMCARD:PATCH/MERGE= 2  
PBD1102 OUT 011 LINE:PATCH/MERGE= 2  
DKA OUT SER MASTERF 0000000:PATCH/MERGE= 2  
DKA IN SER PATCHES CANDE:PATCH/MERGE= 2  
DKA OUT SER PATCHDE 0000000:PATCH/MERGE= 2  
DKA OUT SER PATCHES CANDE:PATCH/MERGE= 2  
PATCHES/CANDE REMOVED  
PATCHES/CANDE/0000000= 285 SEGS--CREATED 01/13/77 AT 04:09:56:43  
DKA PRG PATCHES CANDE:PATCH/MERGE= 2  
DKA LOK PATCHES CANDE:PATCH/MERGE= 2  
CDA REL PMCARD:PATCH/MERGE= 2  
  
?END.  
PATCHDE/0000000/0000000= 0 SEGS--CREATED 01/13/77 AT 00:21:23:33  
DKA REL PATCHDE 0000000:PATCH/MERGE= 2  
PBD1102 REL 011 LINE 1001:PATCH/MERGE= 2  
MASTERF/0000000/0000000= 300 SEGS--CREATED 01/13/77 AT 16:18:13:46  
DKA REL MASTERF 0000000:PATCH/MERGE= 2  
PATCH/MERGE= 2,PST= 30 EOJ  
PKT#1102 REMOVED

\*\*\*\*\* INPUT \*\*\*\*\*

\$@CARD CONFLICTS LISTI MERGE ZIP NEW  
\$. 33 PATCHES FOR CANDE

CARD INPUT IS PMCARD  
PATCHES/CANDE WILL BE MERGED  
PATCH /CANDE IS NOT ON DISK

\* COMPILE NUCANDE/TSHARER WITH TSPOL LIBRARY  
\* TSPOL STACK = 1024 . COMMENT TSPOL STACK AINOT BIG ENOUGH  
\* TSPOL FILE TAPE = SYMBOL/CANDE DISK SERIAL  
\* DATA CARD  
\$= \*\*\*\*\* THIS LISTING SHOWS PATCHES IMPLEMENTED AT UCSC \*\*\*\*\*  
\$RESET LIST SINGLE  
\$SET TAPE

\$#PATCH NUMBER 101 FOR CANDE CONTAINS 1 CARD D 0101

IF A[BASE+2],[1:2] GTR 0 THEN GO TO MESSAGE; 25003400 D 0101  
\$: THIS PATCH CORRECTS AN ERROR THAT WOULD ALLOW TWO OR MORE D 0101  
\$: JOBS TO BE ASSIGNED TO A TERMINAL AT THE SAME TIME. THE D 0101  
\$: ERROR WOULD OCCUR IF AN INVALID "TO" MESSAGE WAS ENTERED. D 0101

\$#PATCH NUMBER 102 FOR CANDE CONTAINS 2 CARDS. D 0102

T+SCAN(PTR,A[BASE +INDX], IF 25001200 D 0102  
INDX= 1 THEN "Z" ELSE "9", WORKENDADR,X); 25001210 D 0102  
\$: BY KFK D 0102  
\$: DATE 8/1/74 D 0102  
\$: IF THE QMARK TO [USERCODE] CONSTRUCT IS USED AND THE USERCODE D 0102  
\$: CONTAINS AN ALPHANUMERIC CHARACTER, THE MESSAGE WILL NOT BE SENT. D 0102  
\$: AND A "NOT ON" WILL BE THE REPLY. D 0102

\$#PATCH NUMBER 103 FOR CANDE CONTAINS 1 CARD. D 0103

FILESOK←TRUE; 55095500 D 0103  
\$ BY KFK D 0103  
\$ DATA 8/1/74 D 0103  
\$ IF A MAKE IS ENTERED AND A DUPLICATE FILE OCCURS D 0103  
\$ SEVERAL BAD THINGS HAPPEN. IF THE NEXT COMMAND IS A LOAD D 0103  
\$ THEN THE FILE IS OK FOR A COPY TO PRINTER BUT A PRINT D 0103  
\$ WILL GET A NO FILE. D 0103

\$#PATCH NUMBER 104 FOR CANDE CONTAINS 1 CARDS. D 0104

IAM:=0; WANT := WAITFOR := VMCPMSG; TEMP := 0; 27001800 D 0104  
\$ BY KK D 0104  
\$ DATE 11/15/74 D 0104  
\$ THIS PATCH WILL CORRECT AN ERROR THAT COULD CAUSE CANDE TO BE DS-ED D 0104  
\$ FOR AN INVALID INDEX. THE ERROR HAPPENS IF MANY JOBS ARE "CHAIN"ED. D 0104  
\$ THREE WORDS WERE LEFT IN THE PSEUDO STACK FOR EACH CHAIN REQUEST FOR D 0104  
\$ A LINE, AND THUS AFTER SEVERAL JOBS WERE RUN WITHOUT AN EOJ THAT DID D 0104  
\$ NOT REQUEST A CHAIN, CANDE WOULD DO AN INVALID INDEX. D 0104

\$#PATCH NUMBER 105 FOR CANDE CONTAINS 4 CARDS D 0105

IF T = 0 THEN A[BASE] ← -1 ELSE 59001800 D 0105  
(F ← IF A[BASE] < 0 THEN 0 ELSE A[BASE]) & 59004400 D 0105  
FILETYPE[32:42:6] & UNLUCKTOGGLE [31:47:1]); 59004450 D 0105  
IF A[BASE] ≥ 0 THEN WORK[3],[2:10] ← A[BASE]; 59010700 D 0105  
\$ BY JTC - MSA CENTRAL D 0105

\$# PATCH NUMBER 400 FOR CANDE.XVI.0 CONTAINS 1 CARD. MAKE "LIST LIBRARY" WORK D 0400

MATCH (WORD,"LIBRARY") LIB := TRUE ELSE 56007650 D 0400  
\$ THIS PATCH ALLOWS THE WORD "LIBRARY" IN THE LIST VERB (AS PER MANUAL). D 0400  
\$ D 0400  
\$ D.G. WILLMS, 9MAR76, BROCK U. PATCH 400 D 0400

\$# PATCH NUMBER 401 FOR CANDE.XVI.0 CONTAINS 2 CARDS. 7 CHARACTER HEADING D 0401

DS := 7 CHR; 00069800 D 0401  
TALLY := 12; 00069900 D 0401  
\$ THIS PATCH CREATES A 7 CHARACTER HEADING FOR THE LIST VERB. THE VERB D 0401  
\$ ALLOWS 7 CHARACTER NAMES, BUT ONLY LISTS THE FIRST 6 IN THE HEADING. D 0401  
\$ D 0401  
\$ D.G. WILLMS, 9MAR76, BROCK U. PATCH 401 D 0401

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$# PATCH NUMBER 402 FOR CANDE.XVI.0 CONTAINS 1 CARD. CORRECT Q-MARK STATUS      D 0402
      IF (SEQ:=EVENTS [3]) = - USERCODE THEN A [BASE+3];=0;                      44006600 D 0402
$: THIS PATCH UPDATES Q-MARK STATUS.                                             D 0402
$:                                                                                D 0402
$: THIS PATCH CORRECTS THE RESULTS OF A Q-MARK STATUS REQUEST DONE               D 0402
$: WHILE A COMPILATION IS BEING DONE. IF THE COMPILER IS NOT IN CORE,           D 0402
$: THE SEQUENCE BEING COMPILED IS NOT KNOWN. THIS PATCH CAUSES CANDE TO        D 0402
$: SUPPRESS "AT SEQ GIBBERISH" IF THE SEQUENCE NUMBER IS NOT KNOWN.            D 0402
$:                                                                                D 0402
$: D.G. WILLMS, 1JUN76, BROCK U. PATCH 402                                     D 0402

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$# PATCH NUMBER 403 FOR CANDE.XVI.0 CONTAINS 1 CARD FIX CHANGE TYPE WRKFLE      D 0403
      GOODOBJ:=FALSE;                                                            62010350 D 0403
$: THIS PATCH UPDATES CHANGE TYPE.                                               D 0403
$: IF A USER CHANGES THE TYPE OF HIS WORKFILE, HE WILL NO LONGER HAVE        D 0403
$: A VALID OBJECT VERSION OF HIS WORKFILE.                                     D 0403
$:                                                                                D 0403
$: D.G.WILLMS,11AUG76, BROCK U. PATCH 403                                     D 0403

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$# PATCH NUMBER 404 FOR CANDE.XVI.0 CONTAINS 7 CARDS. FIX ABBREV. "TYPE"      D 0404
      MATCH (VERBTABLE [A [S],[9:9]],[6:42],"TYPE ") GO GETTYPE;                00201010 D 0404
      BEGIN WHICH:=1; GO GETTYPE END;                                     00201020 D 0404
$ VOIDT 67000000                                                                 65000000 D 0404
      CALL (NOTUSED); % 65 = WAS "TYPE"                                          90316000 D 0404
      "2TYPE ", 3"30004000000000076", % #62 ALSO                             90386000 D 0404
$: THIS PATCH CHANGES CHANGE TYPE.                                             D 0404
$: VERB "TYPE" NOW GOES THROUGH "CHANGE".                                       D 0404
$: THIS IS DONE TO 1) REDUCE SIMILAR CODE,                                     D 0404
$: 2) ALLOW ABBREVIATIONS IN TYPE (AS PER MANUAL),                             D 0404
$: PRIOR TO THIS CHANGE, CANDE WOULD BE UPSET AT THINGS LIKE TYPE : X.       D 0404
$:                                                                                D 0404
$: D.G.WILLMS, 11AUG76, BROCK U. PATCH 404                                     D 0404

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*see note in compilation listing*

*BEGIN 00202400  
GETTYPE: 00202430  
WHICH:=1; 00202400*

*\$: Simplified & corrected for use with patch 515,  
\$: by DR, UCSC JAN. 25, 1977*

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$# PATCH NUMBER 405 FOR CANDE.XVI.0 CONTAINS 11 CARDS. CHECK FOR WORKFILE     C 0405
      IF FILENAME=0 THEN GOERR ("NO FILE",1);                                    52002650 C 0405
      WORK[9]:=0&UNITNUMBER[6:42:6];                                           52025830 C 0405
      IF HAVEINPUTFILE                                                            52025860 C 0405
      THEN WORK[9]:=WORK[9]&FILNAM1[12:6:36]                                     52025900 C 0405
      ELSE                                                                           52025930 C 0405
      IF FILENAME=0                                                                52025960 C 0405
      THEN GOERR ("NO FILE",1)                                                    52026000 C 0405
      ELSE WORK[9]:=WORK[9]&FILENAME[12:6:36]                                     52026030 C 0405
      LABEL EXIT;                                                                  75000350 C 0405
      IF FILENAME=0 THEN GOERR ("NO FILE",1) ELSE % CASE 0                     75000550 C 0405

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EXIT;
S: THIS PATCH CORRECTS DELETE, PUNCH AND UPDATE VERBS. 75002550 C 0405
S: PRIOR TO THIS PATCH, NONE OF THE VERBS CHECKED TO SEE IF THERE WAS A C 0405
S: VALID WORKFILE. C 0405
S: THIS CAUSED "DELETE" TO GENERATE A SOURCE FILE ON DISK, C 0405
S: "PUNCH" TO FIRE UP PUNCH/CANDE WHICH WOULD GET DS=ED ON C 0405
S: A NO FILE ERROR, C 0405
S: "UPDATE" TO RESPOND WITH "#" EVEN THOUGH THERE WAS NO WORKFILE, C 0405
S: C 0405
S: D.G.WILLMS,13AUG76, BROCK U, PATCH 405 C 0405
S: MODIFIED BY DR, UCSG, 1/13/77 C 0405

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$# PATCH NUMBER 406 FOR CANDE.XVI.0 CONTAINS 3 CARDS, FIX MISTAKE IN LUADIT D 0406

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GO EXIT; 58060000 D 0406
X VOID A CARD 58063000 D 0406
S VOIDT 58067000 58065000 D 0406
S: THIS PATCH CORRECTS LOADIT. D 0406
S: PRIOR TO THIS PATCH, IF LOADIT FOUND THE FILES NOT OK (IE, FILESOK = D 0406
S: FALSE) IT WOULD SET WANT=VSETUPFILES, UNFORTUNATELY IT DID NOT EXIT D 0406
S: IN ORDER TO SET UP THE FILES, INSTEAD IT FELL DIRECTLY INTO THE D 0406
S: DISPATCH OF LOAD/CANDE. AFTER LOAD/CANDE EOJ, LOADIT WOULD ISSUE D 0406
S: A CANCELCKPT WHICH WOULD PRODUCE SERIOUS ERRORS (SEGMENT ZERO OVERWRITE,ETC), D 0406
S: D 0406
S: D.G.WILLMS,16AUG76, BROCK U, PATCH 406 D 0406

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$# PATCH NUMBER 407 FOR CANDE.XVI.0 CONTAINS 3 CARDS, FIX MISTAKE IN COPYIT D 0407

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LABEL SUFFIX; 52007012 D 0407
IF LIBTOG THEN GO SUFFIX ELSE %"RESEQ" IS FILE=NAME 52009850 D 0407
SUFFIX: 52012650 D 0407
S: THIS PATCH UPDATES "COPYIT". D 0407
S: PRIOR TO THIS PATCH, "RESEQ" COULD NOT BE USED AS A FILE=NAME, D 0407
S: (IE, COPY SYMBOL/RESEQ WOULD RESULT IN COPYING SYMBOL/"USERCODE" WITH D 0407
S: RESEQUENCING). D 0407
S: D 0407
S: D.G.WILLMS,18AUG76, BROCK U, PATCH 407 D 0407

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$# PATCH NUMBER 501 FOR CANDE.XVI.0 CONTAINS 63 CARDS, USERCODES START DIGITS D 0501

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*****00054702 D 0501
PROCEDURE FIXUSER (CNTR,A,EXIT,BUMPCNTR); VALUE BUMPCNTR; 00054704 D 0501
INTEGER CNTR; ARRAY A [0]; 00054706 D 0501
LABEL EXIT; BOOLEAN BUMPCNTR; 00054708 D 0501
BEGIN 00054710 D 0501
REAL WORD; 00054712 D 0501
INTEGER I,IBY6,LENGTH; 00054714 D 0501
INTEGER STREAM PROCEDURE COUNTZERO (A); VALUE A; 00054716 D 0501

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BEGIN
SI:=LOC A; TALLY:=0;
8 (IF SC EQL "0" THEN BEGIN UPS; UPT END ELSE JUMP OUT);
COUNTZERO:=TALLY;
END OF COUNTZERO;
IF (WORD:=A [INC (SREG)]),[1:5] EQL 0 THEN
BEGIN
WORD:=DECCONV (WORD);
IF LENGTH:=A [INC (SREG)],[3:3] EQL 0 THEN
GOERR (WORD,8);
IF I:=8-COUNTZERO (WORD) > 6 THEN
GOERR (WORD,8);
IF I EQL 0 THEN I:=1;
IF LENGTH:=I+LENGTH > 7 THEN
GOERR (WORD,8);
IBY6:=I * 6;
A [SREG]:=0 & WORD [6:48-IBY6:IBY6] &
A [SREG] [6+IBY6:6:(7-I)*6] & LENGTH [3:45:3];
DECR (SREG);
IF BUMPCNTR THEN
INC (CNTR);
END
ELSE
DECR (SREG);
END OF FIXUSER;
ELSE IF WORD EQL "/" THEN
IF SREG + 2 LEQ MAXSREG THEN FIXUSER(I,A,EXIT,FALSE) ELSE
ELSE
GOERR (WORD,8);
LABEL NUMUSER;
NUMUSER:
IF INPCOUNT + 2 LEQ NPARAMS THEN
FIXUSER (INPCOUNT,A,EXIT,TRUE);
GO TO NUMUSER;
LABEL NUMUSER;
NUMUSER:
IF LIB := (CHAR := WORD.CF) = "/" THEN
IF I + 2 LEQ PC THEN FIXUSER (I,A,EXIT,TRUE) ELSE
ELSE
MATCH(WORD,"LIBRARY") BEGIN LIB:=TRUE;GO NUMUSER END ELSE
LABEL LIBNAME;
LIBNAME:
IF SREG + 2 LEQ MAXSREG THEN FIXUSER (I,A,EXIT,FALSE);
GO TO LIBNAME
$ VOIDT 57117000
IF LIB := WORD.CF = "/" THEN
IF TOIT THEN GOERR ("NO USER",39) ELSE
IF I + 2 LEQ PC THEN FIXUSER (I,A,EXIT,TRUE) ELSE
ELSE
GOERR (WORD,8);
IF HAVEUSER THEN GO ERR ELSE
BEGIN
FROM:=TRUE;
IF I + 2 LEQ PC THEN FIXUSER (I,A,EXIT,TRUE);
END
$: THIS PATCH ALLOWS USERCODES STARTING WITH DIGITS IN ALL THE
$: CANDE VERBS WHICH ALLOW USERCODES.

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00054718 D 0501
00054720 D 0501
00054722 D 0501
00054724 D 0501
00054726 D 0501
00054728 D 0501
00054730 D 0501
00054732 D 0501
00054734 D 0501
00054736 D 0501
00054738 D 0501
00054740 D 0501
00054741 D 0501
00054742 D 0501
00054744 D 0501
00054746 D 0501
00054748 D 0501
00054750 D 0501
00054752 D 0501
00054754 D 0501
00054756 D 0501
00054758 D 0501
00054760 D 0501
00054762 D 0501
00054764 D 0501
42002700 D 0501
42002710 D 0501
42002780 U 0501
42002785 D 0501
52007015 D 0501
52012305 D 0501
52012310 D 0501
52012320 D 0501
52015950 D 0501
56000450 D 0501
56004700 D 0501
56004705 D 0501
56004710 D 0501
56004790 D 0501
56007650 D 0501
57041500 D 0501
57089500 D 0501
57091100 D 0501
57113000 D 0501
57114000 D 0501
72003805 D 0501
72003810 D 0501
72003820 D 0501
72003900 D 0501
72003905 D 0501
74009000 D 0501
74009005 D 0501
74009010 D 0501
74009020 D 0501
74009095 D 0501
D 0501
D 0501

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\$: D.G. WILLMS, 26FEB76, BROCK U. PATCH 501 D 0501  
 \$: PATCH REWRITTEN 26MAY76 - D.G. WILLMS. D 0501

\$# PATCH NUMBER 502 FOR CANDE.XVI.0 CONTAINS 16 CARDS. "EXECUTE OBJECT" D 0502

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SPECNAME          = A[BASE+9],[17:01]#, % NO "0" IN MFID      57019500 D 0502
BOOLEAN OBJECTTOGGLE;                                         57043500 D 0502
  ELSE MATCH (WORD,"OBJECT ")                                  57092100 D 0502
  BEGIN                                                       57092200 D 0502
    MATCH (VERBWORD,"EXECUTE")                                 57092300 D 0502
    IF NAMEWORD [0] ≠ 0 THEN ERROR (8) %MFID ALREADY GIVEN 57092400 D 0502
    ELSE OBJECTTOGGLE := TRUE                                  57092500 D 0502
    ELSE ERROR (8)                                             57092600 D 0502
  END                                                           57092700 D 0502
  IF NOT OBJECTTOGGLE THEN                                    57106500 D 0502
IF OBJECTTOGGLE THEN                                         57126100 D 0502
  IF NAMEWORD [0] = 0 THEN GOERR ("INCOMPL",6)                57126200 D 0502
  ELSE SPECNAME := 1;                                         57126300 D 0502
  FIND (LL&IAM [33:41:7],0,IF SPECNAME = 1 THEN NAMEWORD [0] ELSE 57202000 D 0502
    NAMEWORD [0],[6:36],NAMEWORD [1],USERCODE);              57202500 D 0502
  RUN1 := IF SPECNAME = 1 THEN NAMEWORD [0] ELSE NAMEWORD [0],[6:36]; 57228000 D 0502
$: THIS PATCH EXTENDS THE EXECUTE VERB SYNTAX. IF THE WORD "OBJECT" D 0502
$: APPEARS BETWEEN EXECUTE AND MFID, THEN THE MFID WILL NOT BE FUDGED D 0502
$: (IE, EXECUTED AS IS, NO "0" INSERTED IN MFID). THUS MFID CAN BE 7 D 0502
$: CHARACTERS IN LENGTH D 0502
$: D.G. WILLMS, 26FEB76, BROCK U. PATCH 502 D 0502
  
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\$# PATCH NUMBER 506 FOR CANDE.XVI.0 CONTAINS 11 CARDS, CORRECT FILETYPE D 0506

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*.....74007010 D 0506
ALPHA PROCEDURE GETTYPE (FILETYPE); VALUE FILETYPE; INTEGER FILETYPE; 74007020 D 0506
  BEGIN                                                       74007030 D 0506
    IF FILETYPE GTR NUMOFTYPES THEN FILETYPE:=0;              74007040 D 0506
    GETTYPE:=IF BOOLEAN (WORK [4],[10:1]) THEN "OBJ( ) " &    74007050 D 0506
      TYPETABLE [FILETYPE] [30:6:6] ELSE TYPETABLE [FILETYPE]; 74007060 D 0506
  END OF GETTYPE;                                             74007070 D 0506
$ VOIDT                                                       74019200 D 0506
  PRINTIT (A [BASE + 1],GETTYPE (WORK [4],[36:6]));           74019300 D 0506
$ VOIDT 74020800                                             74020600 D 0506
  PRINTIT (A [BASE + 1],GETTYPE (WORK [4],[36:6]));           74020800 D 0506
$: THIS PATCH WILL CAUSE CANDE TO GET THE FILETYPE FROM THE DIRECTORY WHEN D 0506
$: IT HANDLES THE "LIST FILES FILE=NAME" REQUEST. PRIOR TO THIS PATCH CANDE D 0506
$: WOULD DETERMINE THE FILE TYPE (IE, SOURCE OR OBJECT) FROM THE NAME. D 0506
$: A ZERO INDICATED OBJECT WHILE A NON-ZERO MEANT SOURCE,THIS CAUSED THE TYPE D 0506
$: TO BE INCORRECT FOR FUNNY FILES (IE, NON-TSS), D 0506
$: NOTE - CANDE HANDLES A LIST FILES REQUEST IF ONE FILE=NAME IS REQUESTED D 0506
$: INSTEAD OF FIRING UP LFILES/CANDE. D 0506
$: D.G. WILLMS, 31MAR76, BROCK U. PATCH 506 D 0506
  
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A [BASE+1]:=SOURCEFILE;           % DEFAULT FILE NAME	68001400 D 0516
IF A [I],[3:3] = 0 THEN % NOT A LETTER STRING	68002600 D 0516
IF A [I] = "/" THEN	68002610 D 0516
IF SLASH THEN GO ERR1	68002620 D 0516
ELSE IF WTH THEN IF NAM2 THEN	68002621 D 0516
BEGIN	68002623 D 0516
SLASH:=TRUE;	68002625 D 0516
IF I + 2 LEQ IMAX THEN	68002627 D 0516
BEGIN SREG:=1;	68002628 D 0516
FIXUSER(I,A,EXIT,TRUE) END;	68002629 D 0516
END	68002630 D 0516
ELSE GO ERR1	68002635 D 0516
ELSE IF NAM1 THEN GO CHECKUSER	68002640 D 0516
ELSE GO ERR1	68002650 D 0516
ELSE	68002660 D 0516
GO ERR1	68002670 D 0516
ELSE	68002680 D 0516
BEGIN	68002685 D 0516
IF SRC THEN GO TO ERR1;	68002690 D 0516
IF WTH	68003000 D 0516
OR OBJ THEN BEGIN FORGETSET:=2; GO SELECTIT END;	68003050 D 0516
SRC:=TRUE;	68003100 D 0516
IF OBJ THEN GO TO ERR1;	68003150 D 0516
IF WTH	68003500 D 0516
OR SRC THEN BEGIN FORGETSET:=1; GO SELECTIT END;	68003550 D 0516
OBJ:=TRUE;	68003600 D 0516
IF SLASH THEN IF NAM4 THEN GO SELECTIT	68003650 D 0516
ELSE BEGIN A [BASE+7]:=WORD;	68004510 D 0516
SLASH:=FALSE;	68004520 D 0516
NAM4:=TRUE END	68004525 D 0516
ELSE	68004530 D 0516
IF NAM2 THEN GO SELECTIT ELSE BEGIN	68004540 D 0516
END	68004600 D 0516
IF OBJ THEN	68004850 D 0516
IF WORD.[42:6] NEQ " " THEN	68005110 D 0516
GOERR (WORD,42);	68005120 D 0516
IF SLASH THEN IF NAM3 THEN GO SELECTIT	68005130 D 0516
ELSE BEGIN A [BASE+6]:=WORD;	68005511 D 0516
SLASH:=FALSE;	68005513 D 0516
NAM3:=TRUE END	68005514 D 0516
ELSE BEGIN	68005515 D 0516
SELECTIT:	68005517 D 0516
END;	68005518 D 0516
END;	68005535 D 0516
IF SLASH OR (NOT NAM1) OR (WTH AND NOT NAM2) THEN	68005540 D 0516
GOERR ("INCMPLT",6);	68005800 D 0516
A [BASE+5]:=REAL (SRC) & REAL (OBJ)[46:47:1] & FORGETSET[44:46:2];	68005850 D 0516
IF NOT NAM3 THEN A [BASE+6]:=USERCODE;	68005950 D 0516
\$ VOIDT	68005960 D 0516
A [BASE+3]:= - A [BASE+2];	68006200 D 0516
A [BASE+4]:=IF NAM4 THEN A [BASE+7] ELSE USERCODE;	68006210 D 0516
FIND (LL&IAM [33:7],0,A [BASE+2],A [BASE+4],USERCODE);	68006220 D 0516
TEMP:=7;	68006300 D 0516
IF NOT OBJ THEN SECURE (A [BASE+1],A [BASE+6],A [BASE+3],A [BASE+4]);	68006400 D 0516
IF A [BASE+1].[42:6] EQL " " THEN	68007000 D 0516
IF NOT SRC THEN SECURE (A [BASE+1].[6:36],A [BASE+6],A [BASE+3],	68007050 D 0516
	68007100 D 0516

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                A [BASE+4]); % OBJECT                                68007150 D 0516
TEMP:=6;                                                    68007200 D 0516
PARAM:=IF SRC OR OBJ OR A [BASE+1],[42:6] NEQ " " THEN 1 ELSE 2; 68007300 D 0516
A [BASE+5],[42:2]:=PARAM;                                    68007350 D 0516
IF EVENTS [1] LSS 0 THEN % NO GUARD FILE                    68008200 D 0516
    WORD:=A [BASE+2];                                        68008400 D 0516
    WORD:=A [BASE+2];                                        68009000 D 0516
$ VOIDT 68009800                                           68009600 D 0516
WORD:=A [BASE+5],[42:2] + 5;                                68010110 D 0516
FOR I:=6 STEP 1 UNTIL WORD DO                               68010120 D 0516
IF A [BASE+1] NEQ 7 THEN % SECURITY MAINTENANCE IGNORED    68010200 D 0516
LITOUT ("ERR: ",NOCRLF);                                    68010400 D 0516
IF A [BASE+1],[6:6] EQL 0 THEN                              68010510 D 0516
    BEGIN                                                  68010520 D 0516
        A [BASE+1],[6:6]:="+";                             68010530 D 0516
        IF A [BASE+1],[12:6] LEQ 9 THEN % IE "01S010"     68010540 D 0516
            A [BASE+1],[12:36]:=FILENAME,[6:36];          68010550 D 0516
        END;                                               68010560 D 0516
LITOUT (= A [BASE+1],CRLF);                                  68010600 D 0516
IF B (FORGETSET:=A [BASE+5],[44:2]) THEN SRC:=FALSE        68010842 D 0516
ELSE SRC:=B (A [BASE+5]);                                    68010844 D 0516
IF FORGETSET = 2 THEN OBJ:=FALSE                            68010846 D 0516
ELSE OBJ:=B (A [BASE+5],[46:1]);                             68010848 D 0516
$: THIS PATCH UPDATES THE SECURITY COMMANDS "LOCK", "PUBLIC", AND "UNLOCK". D 0516
$:                                                                 D 0516
$: 1. <SECURITY COMMAND> NOT FOLLOWED BY A FILE NAME WILL NOW CORRECTLY D 0516
$: ACCESS THE WORK FILE. PRIOR TO THIS PATCH, CANDE WOULD TRY TO D 0516
$: ACCESS THE WORK FILE USING THE USER'S NAME (IE, FILENM) INSTEAD OF D 0516
$: THE SYSTEM NAME (IE, 1S###). THE RESULT WAS EITHER AN ERROR IF THE D 0516
$: FILE WAS NOT IN THE USER'S LIBRARY, OR CANDE WOULD UPDATE A LIBRARY FILE D 0516
$: OF THAT NAME INSTEAD OF THE WORK FILE.                  D 0516
$:                                                                 D 0516
$: 2. THE "+" HAS BEEN REMOVED FROM THE FILE NAME IN THE ERROR MESSAGES. D 0516
$:                                                                 D 0516
$: 3. ERROR MESSAGES FOR OBJECT FILES HAVE THE FIRST "O" REPLACED WITH AN "*" D 0516
$:                                                                 D 0516
$: 4. CANDE WILL NOW REPORT AN ERROR IF THE OBJECT FILE IS NOT IN THE DIRECTORY D 0516
$: ON A <SECURITY COMMAND> <FILE NAME> INPUT. PRIOR TO THIS CHANGE, CANDE D 0516
$: WOULD ONLY REPORT ERRORS FOR SOURCE FILES (UNLESS <SECURITY COMMAND> D 0516
$: "OBJECT" WAS INPUT).                                     D 0516
$:                                                                 D 0516
$: 5. USERS ARE NOW ALLOWED TO SPECIFY A SUFFIX ON BOTH THE FILE NAME AND D 0516
$: GUARD FILE NAME, IF IT FOLLOWS A "/".                  D 0516
$: EG. LOCK A WITH C/D                                     D 0516
$:     LOCK A/B                                           D 0516
$:     LOCK A/B WITH C                                     D 0516
$:     LOCK A/B WITH C/D                                   D 0516
$:     PUBLIC A/B                                         D 0516
$:     UNLOCK A/B                                         D 0516
$:                                                                 D 0516
$: **WARNING** - REQUIRES PATCH # 501 FOR "FIXUSER"       D 0516
$: **NOTE** - MCP DOES NOT CHECK SECURITY - NEEDS MCP PATCH # 563. D 0516
$:                                                                 D 0516
$: D.G.WILLMS - 25MAY76, BROCK U. PATCH 516              D 0516

```

S# PATCH NUMBER 517 FOR CANDE.XVI.0 CONTAINS 76 CARDS. WHATS A/B

BOOLEAN OBJ,SLASH; INTEGER I,PC; REAL WORD;

```
  A [BASE+2]:=USERCODE;
ELSE
BEGIN
SLASH:=OBJ:=BOOLEAN (A [BASE+2]:=A [BASE+1]:=I:=0);
PC:=A [BASE];
WHILE I LSS PC DO
BEGIN
INC (I);
WORD:=A [INC (SREG)];
IF WORD.[3:3] GTR 0 THEN % LETTER STRING
BEGIN
WORD:=WORD.[6:42];
MATCH (WORD,"OBJECT ")
OBJ:=TRUE
ELSE
IF A [BASE+1] EQL 0 THEN
A [BASE+1]:=WORD
ELSE
IF A [BASE+2] EQL 0 THEN
IF SLASH THEN
BEGIN
A [BASE+2]:=WORD;
SLASH:=FALSE;
END
ELSE
GOERR (WORD,8)
ELSE
GOERR (WORD,8)
END
ELSE
IF WORD.[1:2] EQL 1 THEN % SPECIAL CHARACTER
IF WORD EQL "/" THEN
IF SLASH THEN
GOERR (WORD,8)
ELSE
BEGIN
SLASH:=TRUE;
IF I + 2 LEQ PC THEN
FIXUSER (I,A,EXIT,TRUE);
END
ELSE
GOERR (WORD,8)
ELSE
BEGIN
WORD:=DECCONV (WORD);
GOERR (WORD,8);
END;
END;
IF SLASH THEN GOERR ("INCMPLT",8);
IF OBJ THEN
IF A [BASE+1] EQL 0 THEN
IF GOODOBJ THEN
BEGIN
A [BASE+1]:=SOURCEFILE.[6:36];
```

```
D 0517
64000550 D 0517
64005950 D 0517
64006010 D 0517
64006020 D 0517
64006030 D 0517
64006040 D 0517
64006050 D 0517
64006060 D 0517
64006070 D 0517
64006080 D 0517
64006090 D 0517
64006100 D 0517
64006110 D 0517
64006120 D 0517
64006130 D 0517
64006140 D 0517
64006150 D 0517
64006160 D 0517
64006170 D 0517
64006180 D 0517
64006190 D 0517
64006200 D 0517
64006210 D 0517
64006220 D 0517
64006230 D 0517
64006240 D 0517
64006250 D 0517
64006260 D 0517
64006270 D 0517
64006280 D 0517
64006290 D 0517
64006300 D 0517
64006310 D 0517
64006320 D 0517
64006330 D 0517
64006340 D 0517
64006350 D 0517
64006360 D 0517
64006370 D 0517
64006380 D 0517
64006390 D 0517
64006400 D 0517
64006410 D 0517
64006420 D 0517
64006430 D 0517
64006440 D 0517
64006450 D 0517
64006460 D 0517
64006470 D 0517
64006480 D 0517
64006490 D 0517
64006500 D 0517
64006510 D 0517
64006520 D 0517
64006530 D 0517
```

```

    A [BASE]:=0;
    END
    ELSE
    GOERR ("NO FILE",1)
    ELSE
    A [BASE+1]:=A [BASE+1],[6:36];
    IF A [BASE+2] EQL 0 THEN
    A [BASE+2]:=USERCODE;
    END;
    GO TO CASE1;
    END; % CASE 0
    A [BASE+2]:=USERCODE;
    FIND (LL&IAM [33:41:7],0,A [BASE+1],A [BASE+2],USERCODE);
    IF A [BASE+1],[6:6] EQL 0 THEN A [BASE+1],[6:6]:="*";
    IF EVENTS [1] LEQ 0 THEN
    BEGIN
    GOERR (A [BASE+1],2);
    END;
    MSG (L,IF A [BASE+1],[6:6] EQL "*" THEN 0 & "*" [6:42:6] &
    FILENAME [12:6:36] ELSE FILENAME,TRUE,TYPETABLE [FILETYPE],
    WORK [7]+1,DATE,TM,WORK [3],[2:10])
$# THIS PATCH UPDATES THE WHATS COMMAND.
$#
$# A USER CAN NOW SPECIFY A FID IN THE WHATS COMMAND.
$# EG. WHATS A/B.
$#
$# A USER CAN ALSO NOW ACCESS HIS OBJECT WORK FILE VIA WHATS OBJECT.
$#
$# **WARNING** - REQUIRES PATCH # 501 FOR FIXUSER.
$# D.G. WILLMS, 31MAY76, BROCK U. PATCH 517

```

```

64006540 D 0517
64006550 D 0517
64006560 D 0517
64006570 D 0517
64006580 D 0517
64006590 D 0517
64006600 D 0517
64006610 D 0517
64006620 D 0517
64006630 D 0517
64006640 D 0517
64006950 D 0517
64007100 D 0517
64007650 D 0517
64007700 D 0517
64007710 D 0517
64007730 D 0517
64007740 D 0517
64008900 D 0517
64008950 D 0517
64009000 D 0517
D 0517
D 0517
D 0517
D 0517
D 0517
D 0517
D 0517
D 0517
D 0517
D 0517

```

\$# PATCH NUMBER 518 FOR CANDE,XVI.0 CONTAINS 92 CARDS. "CHANGE" COMMAND

D 0518

```

CHANGEFILE4,CHANGEFILE5)=CC15 (CHANGEFILE1,5,CHANGEFILE2,
CHANGEFILE3,CHANGEFILE4,CHANGEFILE5,USERCODE) #;
INTEGER L;
IF A [INC(SREG)] EQL "/" THEN
    BEGIN
    IF L:=T=(SREG=S) EQL 0 THEN GO TO BADPARAM;
    IF L GEQ 2 THEN FIXUSER (S,A,EXIT,FALSE);
    IF A [INC(SREG)],[3:3] GTR 0 THEN
        A [BASE+5]:=A [SREG],[6:42]
    ELSE GO TO BADPARAM;
    INC (SREG);
    END
ELSE
    A [BASE+5]:=USERCODE;
    MATCH (A [SREG],[6:42],"TYPE ") GO GETYPE;
    A [BASE+1]:=A [SREG],[6:42];
    IF A [INC(SREG)] EQL "/" THEN
        BEGIN
        IF L:=T=(SREG=S) EQL 0 THEN GO TO BADPARAM;
        IF L GEQ 2 THEN FIXUSER (S,A,EXIT,FALSE);
        IF A [INC(SREG)],[3:3] GTR 0 THEN

```

```

00041200 D 0518
00041300 D 0518
00200420 D 0518
00205400 D 0518
00205405 D 0518
00205410 D 0518
00205415 D 0518
00205420 D 0518
00205425 D 0518
00205430 D 0518
00205435 D 0518
00205440 D 0518
00205445 D 0518
00205450 D 0518
00205455 D 0518
00206300 D 0518
00206305 D 0518
00206310 D 0518
00206315 D 0518
00206320 D 0518
00206325 D 0518

```

*see note in compilation listing*

```

    A [BASE+6]:=A [SREG].[6:42]
    ELSE GO TO BADPARAM;
    END
    ELSE
    BEGIN DECR (SREG);
    A [BASE+6]:=USERCODE; END;
    TEMP:=6;
% VOID A CARD
    FIND (LL&IAM [33:41:7],0,MAKEFN ("1S",LL),USERCODE,USERCODE);
    FIND (LL&IAM [33:41:7],0,A [BASE],A [BASE+5],USERCODE);
    FIND (LL&IAM [33:41:7],0,A [BASE+1],A [BASE+6],USERCODE);
    IF A [BASE+1] = 2 THEN IF A [BASE].[42:6] EQL " " THEN
        A [BASE]:=A [BASE].[6:36] ELSE
        GOERR (A [BASE],42);
    FIND (LL&IAM [33:41:7],0,A [BASE],A [BASE+5],USERCODE);
    TI=IF SCHEDULELINE AND BOOLEAN (SCHEDNAME.[1:1]) THEN 0 ELSE 3;
    DOING:=2;
    IF A [BASE+5] EQL USERCODE THEN
    TI=LL & VMCPMSG [33:41:7];
    CHANGEFILE (T,A [BASE+1],A [BASE+5],A [BASE+2],A [BASE+6]);
    IF A [BASE].[42:6] EQL " " THEN
    BEGIN
    PARAM:=LIBMSGCTR:=2;
    CHANGEFILE (T,A [BASE+3],A [BASE+5],A [BASE+4],A [BASE+6]);
    END
    ELSE
    PARAM:=LIBMSGCTR:=1;
% VOID A CARD
$ VOIDT
    IF A [BASE+6] NEQ 7 THEN GOERR (- A [BASE+6],2);
    IF A [BASE+5] EQL USERCODE THEN
% VOID A CARD
    MAKEFILE (LL&13[33:41:7],1,MAKEFN ("1S",LL),USERCODE,FILETYPE,0);
    DOING:=6;
    LLDISKREAD:=TPDKADR;      % GET EOF POINTER RECORD IN "1P" FILE
    WANT:=VDISKREAD;
    DOING:=11;
    IF A [BASE+1] GTR 0 OR A [BASE].[42:6] NEQ " " THEN
    FIND (LL&IAM [33:41:7],0,A [BASE].[6:36],A [BASE+5],USERCODE);
$ VOIDT
    BEGIN LITOUT ("ERR: ",NOCRLF);
    LITOUT (0 & "*" [6:42:6] & A [BASE] [12:6:36],CRLF);
    IAM:=0; GO TO EXIT;
    END;
    BEGIN % CASE 11 = "1P" EOF POINTER IN CORE
    IF WORK [0]=TEN8 THEN      % EOF POINTER
    BEGIN
    WORK [20]:=FILETYPE;      % NEW FILE TYPE
    DISKWRITE (TPDKADR);      % REPLACE EOF POINTER
    IAM:=0;
    END
    ELSE
    BEGIN % RATS = FILE TYPE IN NEXT SEGMENT
    IF WORK [10]=TEN8 THEN
    A [BASE]:=0
    ELSE
    IF WORK [20]=TEN8 THEN

```

```

00206330 D 0518
00206335 D 0518
00206340 D 0518
00206345 D 0518
00206347 D 0518
00206350 D 0518
62000500 D 0518
62001800 D 0518
62001900 D 0518
62002500 D 0518
62003000 D 0518
62004563 D 0518
62004564 D 0518
62004565 D 0518
62004566 D 0518
62004900 D 0518
62005200 D 0518
62005680 D 0518
62007100 D 0518
62007200 D 0518
62007210 D 0518
62007220 D 0518
62007230 D 0518
62007300 D 0518
62007400 D 0518
62007410 D 0518
62007420 D 0518
62007500 D 0518
62007800 D 0518
62008200 D 0518
62008250 D 0518
62008800 D 0518
62008900 D 0518
62009900 D 0518
62010375 D 0518
62010400 D 0518
62010450 D 0518
62011500 D 0518
62011800 D 0518
62011900 D 0518
62012500 D 0518
62012550 D 0518
62012600 D 0518
62012650 D 0518
62013502 D 0518
62013504 D 0518
62013506 D 0518
62013508 D 0518
62013510 D 0518
62013512 D 0518
62013514 D 0518
62013516 D 0518
62013518 D 0518
62013520 D 0518
62013522 D 0518
62013524 D 0518
62013526 D 0518

```



```

$! A USER CAN NOW REMOVE A FILE IF IT HAS A NAME THAT IS A VERB (IE, BYE), D 0520
$! PRIOR TO THIS PATCH, A USER COULD CREATE THE FILE OR CHANGE ITS NAME D 0520
$! BUT HE COULD NOT REMOVE IT. D 0520
$! D 0520
$! D.G. WILLMS, 11JUN76, BROCK U. PATCH 520 D 0520

```

```

$# PATCH NUMBER 521 FOR CANDE.XVI.0 CONTAINS 18 CARDS, 1-ROW USERS/CANDE D 0521

```

```

USERBASE, % BASE ADDR OF USERS/CANDE 00012510 D 0521
$ VOIDT 00015200 00015110 D 0521
LLDISKREAD:=USERBASE+I; 01011800 D 0521
USERLOC:=USERBASE+USR; 01012710 D 0521
STREAM PROCEDURE ERR (W); 05000332 D 0521
BEGIN 05000334 D 0521
DI:=W; DS:=31LIT"USERS/CANDE HAS MORE THAN 1 ROW"; DS:=LIT"+"; 05000336 D 0521
END OF ERR; 05000338 D 0521
INTEGER I; 05000340 D 0521
FOR I:=1; STEP 1 UNTIL 29 DO 05001025 D 0521
IF WORK [I] GTR 0 THEN 05001030 D 0521
BEGIN 05001035 D 0521
ERR (L); TWXOUT (0,L [0],32,1); 05001040 D 0521
I:=0/0; % KILL CANDE 05001045 D 0521
END; 05001050 D 0521
USERBASE:=WORK [10]; 05001055 D 0521
LLDISKREAD:=USERBASE; % USERS/CANDE RECORD ZERO 36005200 D 0521
DISKWRITE (USERBASE); 36005900 D 0521
$! THIS PATCH UPDATES THE LOGGING PROCEDURE. D 0521
$! USERS/CANDE MUST NOW BE A 1 ROW FILE. THIS WILL SPEED UP THE D 0521
$! LOGGING PROCEDURE AND CUT DOWN ON CANDES CORE REQUIREMENTS. D 0521
$! D 0521
$! D.G. WILLMS, 23JUN76, BROCK U. PATCH 521 D 0521

```

```

$# PATCH NUMBER 523 FOR CANDE.XVI.0 CONTAINS 18 CARDS, ALL THE NEWS D 0523

```

```

% TO VOID A CARD 00011600 D 0523
TEMP:=8; % MUST NOT BE 4 - SSFILE USES AS FLAG 01012100 D 0523
IF EVENTS [3] LSS 0 THEN GO TO WINDUP; % NO RECORDS 01019350 D 0523
LLDISKREAD:=EVENTS [2],[18:15]; 01019400 D 0523
DOING:=2; % TRANSFER TO 01019550 D 0523
IAM:=VSSFILE; % SSFILE 01019600 D 0523
A [BASE+3]:=LL; 01019650 D 0523
$ VOIDT 01019900 D 0523
DEFINE SPOCNTRL = A [BASE+2] #; 42000450 D 0523
BEGIN 42007000 D 0523
IF TEMP NEQ 4 THEN % RETURN TO "HITHERE" 42007010 D 0523
BEGIN 42007020 D 0523
IAM:=VHELLO; DOING:=7; 42007030 D 0523
END 42007040 D 0523
ELSE 42007050 D 0523
IAM:=0; 42007060 D 0523
GO TO EXIT; 42007070 D 0523

```

```

END;
$# THIS PATCH UPDATES LOGGING IN. 42007080 D 0523
$# IF THE NEWS/CANDE FILE IS PRESENT DURING LOGIN, PROCEDURE SSFILE WILL D 0523
$# BE CALLED TO LIST THE ENTIRE FILE. CONTROL WILL THEN GO BACK TO D 0523
$# HITHERE, D 0523
$# ALSO CANDE WILL NOT LIST SEGMENT ZERO ON THE TERMINAL IF THE D 0523
$# NEWS/CANDE FILE CONTAINS NO RECORDS (IE, ROW 1 AT SEGMENT 0), D 0523
$# D 0523
$# D.G. WILLMS, 24JUN76, BROCK U. PATCH 523 D 0523

```

```

$# PATCH NUMBER 524 FOR CANDE.XVI.0 CONTAINS 9 CARDS, BYEBYE D 0524

```

```

IF A [BASE] LSS 50 THEN % CHECK FOLLOWING IF NOT "HELLO" 54000601 D 0524
BEGIN 54000602 D 0524
IF T1=((A [SREG]=BASE-A [BASE])).FF) > 1 THEN 54000603 D 0524
GOERR ("TOOMANY",16); % TOO MANY PARAMETERS 54000604 D 0524
IF T = 1 THEN 54000605 D 0524
IF T1=(A [INC (SREG)].[6:42])="BYE " THEN%FORCED BYE54000606 D 0524
ELSE GOERR (T,8) % ILLEGAL PARAMETER 54000607 D 0524
ELSE 54000608 D 0524
54000665 D 0524
END;
$# THIS PATCH UPDATES BYE, D 0524
$# IF A USER TRANSMITS BYE BYE, CANDE WILL NOT CHECK TO SEE IF HIS WORK D 0524
$# FILE HAS UNSAVED RECORDS IN IT, IT WILL GO DIRECTLY TO LOGGING HIM OFF. D 0524
$# IF A USER EXCEEDS HIS IDLE PERIOD, THE MCP WILL ALSO SEND A BYE BYE D 0524
$# COMMAND TO DISCONNECT HIM IMMEDIATELY, IF MCP PATCH 557 (BROCK) IS IN. D 0524
$# D 0524
$# D.G.WILLMS,11AUG76, BROCK U. PATCH 524 D 0524
$#***** D 0524

```

```

$# PATCH NUMBER 525 FOR CANDE.XVI.0 CONTAINS 1 CARD, COMPILE DEFAULT PRIOR D 0525

```

```

WORK [18]=5; % PRIORITY 32001800 D 0525
$# THIS PATCH ALTERS THE DEFAULT PRIORITY OF JOBS COMPILED UNDER CANDE. D 0525
$# THIS PRIORITY IS 5. THIS WILL ONLY BE USED WHEN A PROGRAM COMPILED D 0525
$# UNDER CANDE IS EXECUTED UNDER BATCH. D 0525
$# D 0525
$# D.G.WILLMS,13APR76, BROCK U. PATCH 525 D 0525

```

```

$# PATCH NUMBER 526 FOR CANDE.XVI.0 CONTAINS 3 CARDS, UNNECESSARY WORKFILE D 0526

```

```

IAMI=0; 01021000 D 0526
IAMI=0; 09002900 D 0526
IAMI=0; 09004400 D 0526
$# THIS PATCH CAUSES CANDE TO SET UP THE "1P" AND "1T" FILES ONLY IF THE D 0526
$# USER IS GOING TO USE A WORK FILE (IE, "MAKE" OR "LOAD"), PRIOR TO D 0526
$# THIS PATCH CANDE WOULD SET THESE FILES UP WHENEVER A USER LOGGED IN. D 0526
$# SOME USERS NEVER USE A WORK FILE AND THUS DON'T NEED THESE FILES. D 0526

```



```

$: THIS WILL ALSO HELP TO REDUCE CLUTTER ON THE DISK.          D 0526
$:                                                                D 0526
$: D.G.WILLMS,16AUG76, BROCK U. PATCH 526                    D 0526

$# PATCH NUMBER 527 FOR CANDE.XVI.0 CONTAINS 37 CARDS. REMOVE ALL WORKFILES          D 0527

*****00066150 D 0527
PROCEDURE FILESAWAY (OBJT00,USERCODE); VALUE OBJT00,USERCODE; 00066200 D 0527
  BOOLEAN OBJT00; REAL USERCODE;                                00066225 D 0527
*****00066250 D 0527
  BEGIN                                                         00066300 D 0527
    REAL T1,T2;                                                 00066350 D 0527
    T1:=LL & 13 [33:41:7];                                       00066400 D 0527
    REMOVEFILE (T1,T2:=MAKEFN ("1S",LL),USERCODE);              00066450 D 0527
    IF OBJT00 THEN REMOVEFILE (T1,T2,[6:36],USERCODE);         00066500 D 0527
    REMOVEFILE (T1,T2 & "P" [12:42:6],USERCODE);               00066550 D 0527
    REMOVEFILE (T1,T2 & "T" [12:42:6],USERCODE);               00066600 D 0527
    REMOVEFILE (T1,T2 & "Q" [12:42:6],USERCODE);               00066650 D 0527
    T2,[36:12]:=1;                                              00066700 D 0527
    REMOVEFILE (T1,T2 & "P" [12:42:6],USERCODE);               00066750 D 0527
    END OF FILESAWAY;                                           00066800 D 0527
    FILESAWAY (TRUE,USERCODE);                                  54002200 D 0527
$ VOIDT 54002950                                               54002300 D 0527
WRKFILE:                                                       61001000 D 0527
  IF FILENAME = 0 THEN GOERR ("NO FILE",1);                    61001050 D 0527
  TPCOUNT:=FILENAME:=SOURCEFILE:=IAM:=0;                       61001100 D 0527
  FILESAWAY (NOT S,USERCODE);                                  61001110 D 0527
  FILESOK:=FALSE;                                             61001120 D 0527
  IF NOT S THEN GOODOBJ:=8 (OBJECTFILE:=0);                    61001130 D 0527
  IF 0 THEN                                                    61003213 D 0527
    IF GOODOBJ THEN                                           61003216 D 0527
      BEGIN                                                  61003220 D 0527
        OBJECTFILE:=0;                                        61003223 D 0527
        GOODOBJ:=FALSE;                                     61003226 D 0527
        X:=MAKEFN ("1S",LL);                                61003230 D 0527
        REMOVEFILE (LL & 13 [33:41:7],X,[6:36],USERCODE); 61003233 D 0527
        IAM:=0;                                             61003236 D 0527
        GO EXIT;                                           61003240 D 0527
      END                                                    61003243 D 0527
    ELSE                                                      61003246 D 0527
      GOERR ("NO FILE",26)                                  61003250 D 0527
    ELSE                                                      61003253 D 0527
      GO TO WRKFILE;                                        61003260 D 0527
$: THIS PATCH UPDATES "REMOVE".                                D 0527
$: IF A USER REMOVES HIS WORKFILE, CANDE WILL NOW REMOVE ALL ASSOCIATED D 0527
$: FILES (IE, "1S", "1P", "1T", ETC).                          D 0527
$: IF A USER ATTEMPTS TO REMOVE HIS WORKFILE (OR HIS OBJECT WORKFILE) D 0527
$: CANDE WILL NOW CHECK TO SEE IF HE HAS ONE RATHER THAN JUST RESPONDING D 0527
$: WITH A "#".                                                D 0527
$:                                                                D 0527
$: D.G.WILLMS,17AUG76, BROCK U. PATCH 527                    D 0527

```

```

$#PATCH NUMBER 901 FOR CANDE CONTAINS 5 CARDS COPY TO LPA,LPB          D 0901
ELSE MATCH(WORD,[6:30],"PRINT") UNIT := 17                            43011800 D 0901
ELSE MATCH(WORD,"SPECIAL") UNIT := 3                                  43011810 D 0901
IF UNIT=17 OR UNIT=12 THEN UNIT:=15; % PRINT TO PBD                    43013030 D 0901
MATCH(WORD,"LPA ") UNIT := 5 ELSE                                     52008610 D 0901
MATCH(WORD,"LPB ") UNIT := 6 ELSE                                     52008620 D 0901
$: BY TOM PENNELLO, UCSC ALLOWS COPY TO LPA, LPB                      D 0901
$: REQUIRES A PATCH TO COPY/CANDE                                     D 0901

```

```

$#PATCH NUMBER 903 FOR CANDE CONTAINS 1 CARD MINIMIZE MAXLINES        00001000 D 0903
DEFINE MAXLINES = 12; % # OF LOGICAL LINES TO BE HANDLED.            00007900 D 0903
$: BY JH, UCSC, CUTS DOWN ON SOME ARRAY SPACE IN CANDE BY ALLOWING    00008000 D 0903
$: A MAXIMUM OF 12 TERMINALS TO BE LOGGED ON AT UNCE.                 00008010 D 0903

```

```

$#PATCH NUMBER 904 FOR CANDE CONTAINS 114 CARD ABBREVIATED VERBS     00010000 D 0904

```

```

FILL WORK[*] WITH                                                    90367780 D 0904
"1SEQ " "SHELLO " "1BYE " "2TAPE " ,                                90367790 D 0904
"2PUNCH " "6CHARGE " "3SCHEDUL" "3STATUS " ,                       90367800 D 0904
"3STOP " "2CC " "3SET " "5RESET " ,                                  90367810 D 0904
"2TIME " "2MONITOR";                                                 90367820 D 0904
FOR VRB := 0 STEP 1 UNTIL 13 DO                                       90367830 D 0904
BEGIN                                                                    90367840 D 0904
N := WORK[VRB];                                                         90367850 D 0904
IF YOUFINDAVERB(N, VERBTABLE[0], NUMOFVERBS) THEN                     90367860 D 0904
BEGIN                                                                    90367870 D 0904
N := (N,[9:9]) DIV 2;                                                  90367880 D 0904
SETBIT(N+1, RESTRICTEDVERBS);                                         90367890 D 0904
END;                                                                    90367900 D 0904
END;                                                                    90367910 D 0904
END PROCEDURE SPOLOGON;                                               90367920 D 0904
MAKEDATE;                                                              90368000 D 0904
COMMENT VERBTABLE[WORD],[6:3] IS USED AS A FLAG FOR                   90368010 D 0904
SCANNER ( FOR "SPECIAL" VERB );                                       90368020 D 0904
FILL VERBTABLE[*] WITH                                               90369000 D 0904
"1LIST " "3"30000000000000070", % #56                               90370000 D 0904
"1RUN " "3"30000200000000071", % #57                               90371000 D 0904
"2SAVE " "3"30000400000000073", % #59                               90372000 D 0904
"1SEQ " "3"30000600000000065", % #53                               90373000 D 0904
"1EXECUTE" "3"30001000000000071", % #57                             90374000 D 0904
"2DO " "3"30001000000000071", % #57 = EXECUTE                       90375000 D 0904
"1MAKE " "3"30001400000000067", % #55                               90376000 D 0904
"2LOAD " "3"30001600000000072", % #58                               90377000 D 0904
"1COMPILE" "3"30002000000000071", % #57                             90378000 D 0904
"3REMOVE " "3"30002200000000075", % #61                             90379000 D 0904
"2CHANGE " "3"30002400000000076", % #62                             90380000 D 0904
"3RENAME " "3"30002600000000077", % #63                             90381000 D 0904
"1FILES " "3"30003000000000063", % #51                             90382000 D 0904
"1WMATS " "3"30003200000000100", % #64 ALSO                         90383000 D 0904

```

"2CREATE "	3"30003400000000067"	% #55 ALSO	90384000 D 0904
"5HELLO "	3"30103600000000001"	% 01	90385000 D 0904
"2TYPE "	3"30004000000000101"	% #65	90386000 D 0904
"1BYE "	3"30004200000000066"	% #54,	90387000 D 0904
"3COPY "	3"30004400000000064"	% #52	90388000 D 0904
"2MERGE "	3"30004600000000064"	% #52, ALSO	90389000 D 0904
"3RESEQ "	3"30005000000000064"	% #52, ALSO	90390000 D 0904
"2DELETE "	3"30005200000000064"	% #52, ALSO	90391000 D 0904
"1APPEND "	3"30005400000000064"	% #52, ALSO	90392000 D 0904
"1ADD "	3"30005400000000064"	% 52, ALSO	90393000 D 0904
"2TO "	3"30006000000000062"	% 50	90394000 D 0904
"2SS "	3"30006200000000062"	% 50, ALSU	90395000 D 0904
"1GUARD "	3"3000640000000103"	% 67	90396000 D 0904
"3LOCK "	3"3000660000000104"	% 68	90397000 D 0904
"1UNLOCK "	3"3000700000000104"	% 68, ALSU	90398000 D 0904
"2TAPE "	3"3000720000000105"	% 69	90399000 D 0904
"1PRINT "	3"3000740000000106"	% 70	90400000 D 0904
"2PUNCH "	3"30007600000000064"	% 52, ALSO	90401000 D 0904
"6CHARGE "	3"3001000000000107"	% 71	90402000 D 0904
"3SCHEDUL "	3"3001020000000110"	%72	90402100 D 0904
"3STATUS "	3"3001040000000111"	%73	90402200 D 0904
"3STOP "	3"3001060000000111"	%73, ALSO	90402300 D 0904
"2TIME "	3"3001100000000045"	%37	90402400 D 0904
"1UPDATE "	3"3001120000000113"	% 75	90402860 D 0904
"3REPLACE "	3"3011140000000114"	% 76	90402870 D 0904
"4FIND "	3"3011160000000114"	% 76 ALSO	90402880 D 0904
"2CC "	3"3001200000000046"	% 38	90402890 D 0904
"2RMERGE "	3"30012200000000064"	% 52 ALSU	90403000 D 0904
"1DISPLAY "	3"30012400000000070"	% 56	90403100 D 0904
"3SET "	3"30112600000000051"	% 41	90403200 D 0904
"5RESET "	3"30113000000000051"	% 41 ALSO	90403300 D 0904
"2MONITOR "	3"30013200000000050"	% 40	90403400 D 0904
"3SSFILE "	3"30013400000000052"	% 42	90403410 D 0904
"2EQUATE "	3"30013600000000053"	% 43	90403420 D 0904
"3PUBLIC "	3"3001400000000104"	% 68 ALSO	90403430 D 0904
"7*****"	0; % LAST ENTRY		90403900 D 0904
LOCK(VERBTABLE[*]);	% MAKE READ ONLY ARRAY		90403950 D 0904
FILL TYPETABLE[*] WITH "7UNKNOWN",			90404000 D 0904
"EBASIC "			90405000 D 0904
"EALGOL "			90406000 D 0904
"ECOBOL "			90407000 D 0904
"GFORTRAN"			90408000 D 0904
"ETSPOL "			90409000 D 0904
"FXALGOL "			90410000 D 0904
"3SEQ "			90411000 D 0904
"4DATA "			90412000 D 0904
"3LOCK "			90413000 D 0904
"4INFO "			90413100 D 0904
"GCOBOL68"			90413900 D 0904
LOCK(TYPETABLE[*]);	% MAKE READ ONLY ARRAY		90413950 D 0904
FILL RESWRDTABLE[*] WITH "7UNKNOWN",			90414000 D 0904
"5BASIC "	% 1		90415000 D 0904
"5ALGOL "	% 2		90416000 D 0904
"5COBOL "	% 3		90417000 D 0904
"7FORTRAN"	% 4		90418000 D 0904
"5TSPOL "	% 5		90419000 D 0904
"6XALGOL "	% 6		90420000 D 0904

"3SEQ " % 7  
 "4DATA " % 8  
 "4LOCK " % 9  
 "4INFO " % 10  
 "7COBOL68" % 11  
 "6PUBLIC " % 12  
 "7SOLEUSE" % 13  
 "7UNLOCKE" % 14  
 "6LOCKED " % 15  
 "6OBJECT " % 16  
 "6SOURCE " % 17 % 1 - 17 ARE POSITION DEPENDENT  
 "4CARDS " % 18  
 "4DISK " % 19  
 "3END " % 20  
 "5ERRORS " % 21  
 "4FILES " % 22  
 "4FROM " % 23  
 "7LIBRARY" % 24  
 "7PRINTER" % 25  
 "5PUNCH " % 26  
 "5RESEQ " % 27  
 "4TAPE " % 28  
 "4TYPE " % 29  
 "4WITH " % 30  
 "7\*\*\*\*\*" % 31

\$: BY TJP, UCSC CENTRAL.  
 \$: CHANGES THE MINIMUM LENGTH OF MOST CANDE VERBS.  
 \$: SHORTENS MOST OF THEM, WHILE KEEPING CONSISTENT WITH THE  
 \$: CURRENT CANDE ABBREVIATIONS.  
 \$: E.G., "MAKE" CAN BE ABBREVIATED "M".

90421000 D 0904  
 90422000 D 0904  
 90423000 D 0904  
 90424000 D 0904  
 90425000 D 0904  
 90426000 D 0904  
 90427000 D 0904  
 90428000 D 0904  
 90429000 D 0904  
 90430000 D 0904  
 90431000 D 0904  
 90432000 D 0904  
 90433000 D 0904  
 90434000 D 0904  
 90435000 D 0904  
 90436000 D 0904  
 90437000 D 0904  
 90438000 D 0904  
 90438100 D 0904  
 90438200 D 0904  
 90438300 D 0904  
 90438400 D 0904  
 90438500 D 0904  
 90438600 D 0904  
 90439000 D 0904  
 90439010 D 0904  
 90439020 D 0904  
 90439030 D 0904  
 90439040 D 0904  
 90439050 D 0904

\*\*\*\*\*

CONFLICTS

\*\*\*\*\*

MATCH(WORD,"LIBRARY") BEGIN LIB:=TRUE;GO NUMUSER END ELSE56007650 D 0501 CONFLICTED WITH:  
MATCH (WORD,"LIBRARY") LIB := TRUE ELSE 56007650 D 0400 DISCARDED

NUMBER OF ERRORS DETECTED = 0.  
PROCESSOR TIME = 29 SECONDS.  
I/O TIME = 25 SECONDS.

LABEL 000000000LINE 00177013? EXECUTE PATCH/MERGE

PATCH /MERGE

LABEL OFULLPGEOLINE 00176317?EX 0/R;FILE S=CPATCH/SPO;END+

0 /R

FILE: CPATCH/SPO FRIDAY 11/12/76 03:20 PM

```

IS@CARD CONFLICTS LIST NUNO MERGE ZIP
IS, 7 PATCHES FOR CANDE
IS* COMPILE NUCANDE/TSHARER WITH TSPOL LIBRARY
IS* TSPOL STACK = 1024 . COMMENT TSPOL STACK AINOT BIG ENOUGH
IS* TSPOL FILE TAPE = SYMBOL/CANDE DISK SERIAL
IS* CORE = 4000. COMMENT SETS CORE EST FOR CANDE TO 4000 WORDS
IS* STACK = 256. CANDE STACK NEEDS NO MORE THAN 256 WDS
IS* DATA CARD
IS=
ISRESET LIST SINGLE
ISSET TAPE
IS#PATCH NUMBER 105 FOR CANDE CONTAINS 4 CARDS
: IF T = 0 THEN A[BASE] + "1 ELSE
: (F + IF A[BASE] < 0 THEN 0 ELSE A[BASE]) &
: FILETYPE[32;42;6] & UNLOCKTOGGLE [31;47;1]);
: IF A[BASE] > 0 THEN WORK[3],[2;10] + A[BASE];
IS: BY JTC = MSA CENTRAL
IS#PATCH NUMBER 901 FOR CANDE CONTAINS 5 CARDS
: ELSE MATCH(WORD,[6;30],"PRINT") UNIT I= 17
: ELSE MATCH(WORD,"SPECIAL") UNIT I= 3
: IF UNIT=17 OR UNIT=12 THEN UNIT:=15; % PRINT TO PBD
: MATCH(WORD,"LPA ") UNIT I= 5 ELSE
: MATCH(WORD,"LPB ") UNIT I= 6 ELSE
IS: BY TOM PENNELLO, UCSC ALLOWS COPY TO LPA, LPB
IS#PATCH NUMBER 902 FOR CANDE CONTAINS 2 CARDS
:IF WORK[10],[6;42] NEQ " " THEN TWXOUT(LL,WORK[10],72,CRLF);
:IF WORK[20],[6;42] NEQ " " THEN TWXOUT(LL,WORK[20],72,CRLF);
IS: BY TOM PENNELLO, UCSC CENTRAL, ALLOWS UP TO 3 LINES OF LOGIN MSG

```

59001800  
59004400  
59004450  
59010700

43011800  
43011810  
43013030  
52008610  
52008620

1019902  
1019904

LABEL OFULLPGEOLINE 00176317?EX 0/R;FILE S=CPATCH/SPO;END+

0 /R

*put em back in.  
These are back in the patch deck. JT*

CANDE patches - potential villains

403

404

→ 506

518

00