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1 GOTO30 *** TFC-80 Copyright (c) 1984, Robert S. French .. All Rights Reserved
2 GOTO115 'Error handling *** Serial number 1.06/2.02/000 ***
3 GOTO95 'Strip trailing spaces
4 GOTO100 'Cnvt to upper case
5 GOTO105 'Cnvt to upper/lower
6 GOTO85 'Input a line
7 GOTO180 'Search for f1$,l1$ in password
8 GOTO200 'Display a file
9 GOTO70 'Return to startup
10 GOTO305 'Return to menu
11 GOTO210 'Extract group name
12 GOTO340 'Force a command
13 GOTO225 'Extract date/time
14 L1=34:OPEN"R",FD,"USERLOG/TFC",L1:FIELDFD,2ASNC$,25AS CR$,5ASTM$,2ASNM$:N1=LOF(FD):RETURN
15 L2=69:OPEN"R",FD,"DSC"+CHR$(PR+48)+RIGHT$("000"+MID$(STR$(DG),2),3)"/TFC",L2:FIELDFD,32ASDS$,2ASSZ$,25AS CR$,5ASTM$,2ASDN$,2ASTD$,1ASBI$:N2=LOF(FD):RETURN
16 L3=109:OPEN"R",FD,A$,L3:FIELDFD,40ASTT$,25AASSD$,5ASTM$,2ASMN$,4ASPS$,25ASWT$,2ASNR$,2ASPM$,1ASPT$,2ASNL$,1ASRC$:N3=LOF(FD):RETURN
17 OPEN"R",FD,"CONFIG/TFC":FIELDFD,40ASNM$,2ASNC$,1ASRB$,15ASVRF$,1ASE0$,1ASE1$,1ASE2$,1ASE3$,1ASE4$,1ASE5$,1ASE6$,1ASE7$,25ASFA$,25ASFB$,25ASFC$,25ASFD$,1ASSC$,1ASTK$,3ASP1$,1ASP3$,3ASP2$,1ASP4$,BASP5$,BASP6$,BASP7$,BASP8$,1ASLI$:GOSUB110:GETFD,1:RETURN
18 L4=64:OPEN"R",FD,"PASSWORD/TFC",L4:N4=LOF(FD):FIELDFD,12ASL$,12ASF$,BASPW$,2ASAC$,3ASPR$,5ASLL$,5ASL9$,2ASNZ$,2ASNP$,2ASND$,2ASNU$,1ASVW$,1ASNN$,1AS CN$,1ASEW$,1ASMW$,2ASLZ$,1ASTL$:RETURN '1 to spare
19 L5=64:OPEN"R",FD,"GROUPS"+CHR$(LV+48)"/TFC",L5:FIELDFD,30ASG$,24AS CR$,5ASTC$,2AS BN$,1ASAN$,2ASDU$:N5=LOF(FD):RETURN '2 to spare
20 '
26 GOTO545 'Make log entry
27 GOTO270 'Lookup a group name/number
28 L6=26:OPEN"R",FD,A$,26:FORX=0TO12:FIELDFD,(2*X)ASDU$,2ASV$(X):NEXT:FIELDFD,25AASSD$,1AS CA$:N6=LOF(FD):RETURN
29 GOTO540 'Check time remaining
30 CLEAR5000:DEFINTA-Z
35 DEFFNG$=FNI$(FNH$)
40 DEFFNH$=CHR$(PEEK(OU+18))+CHR$(PEEK(OU+17))+CHR$(PEEK(OU+16))+CHR$(PEEK(OU+15))+CHR$(PEEK(OU+14))
45 DEFFNI$(X$)=USR0(X$)
50 DEFFNP$(X$,X)=X$+STRING$(X-LEN(X$),32)
55 DEFFNE(X$,Y$)=ASC(MID$(Y$,4))*60+ASC(MID$(Y$,5))-ASC(MID$(X$,4))*60-ASC(MID$(X$,5))-1440*(ASC(MID$(X$,4))>ASC(MID$(Y$,4)))
60 DEFFNAT$(C,R)=CHR$(27)+"Y"+CHR$(R+32)+CHR$(C+32)
65 GOSUB1000:MERGE"MODEM/DVR"
70 IFOV=1THEN80ELSEOV=1:ONERRORGOTO2:CMD"F",DELETE1000-
75 ONERRORGOTO2:MERGE"LOGIN"
80 ONERRORGOTO2:GOTO1000
85 POKEOU,T5:POKEOU+4,ML:POKEOU+1,(TAOR(EC*4))AND223:NAME0A$:POKEOU+1,TA:IFA$=CHR$(255)THENA$="0":A3$="Lost carrier":GOTO12
90 RETURN
95 NAME3A$:RETURN
100 NAME1A$:RETURN
105 NAME2A$:RETURN
110 FORI=0TO9:FIELDFD,(25*I)ASDU$,25ASL1$(I):NEXT:RETURN
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115 ER=ERR/2+1: IFER=20RER=50RER=60RER=90RER=110RER=63THENRESUMENEXT
120 ONERRORGOTO155:POKEOU,TS: IFER<50THEN135ELSEPRINT:PRINT"=====> Disk error: ";
:CMD"E":PRINT"=====> Error ##"ER"occurred in line"ERL:PRINT"=====> Please notify t
he Sysop!!":PRINT:PRINT:QW$="*** Disk Error:"+STR$(ER)+" in line"+STR$(ERL)+" **"
*"
125 GOSUB26
130 ONERRORGOTO2:RESUMENEXT
135 RESUME140
140 PRINT:PRINT"=====> System Fatal Error!!!! <=====":PRINT:PRINT"Error code
="ER"in line"ERL
145 PRINT:PRINT"=====> Please notify the Sysop!! <=====":PRINT:PRINT
150 QW$="*** Fatal Error:"+STR$(ER)+" in line"+STR$(ERL)+" ***":GOSUB26
155 GOSUB20:ONERRORGOTO175
160 IFER=62THENCLOSE3:GOT0170
165 FORX=1TO4:ONERRORGOTO175:CLOSEX:NEXTX
170 GOT0170
175 RESUMENEXT
180 L1$=FNP$(L1$,12):F1$=FNP$(F1$,12):L=N4:R=1:F1=0
185 M=INT((R+L)/2):IFR>LTHENRETURNSEGTFD,M:IFL$=L1$ANDF$=F1$THENF1=-1:RETURN
190 IF(L$+F$)<(L1$+F1$)THENR=M+1ELSEL=M-1
195 GOT0185
200 OPEN"I",1,F9$:POKEOU,TSOR8:PRINTCL$;
205 LINEINPUT#1,A$:PRINTA$:IFEOF(1)THENCLOSE1:POKEOU,TS:RETURNELSEIFPEEK(OU)<>(T
SOR8)THENCLOSE1:POKEOU,TS:RETURNELSE205
210 GOSUB3:GOSUB4:G1=1
215 L1$=MID$(A$,G1,1):IFL1$="" "ORL1$="" THEN220ELSEG1=G1+1:IFG1<=LEN(A$)THEN215
220 A$=LEFT$(A$,G1-1):GOT05
225 S1$=STRING$(5,0):GOSUB3:GOSUB5:IFLEFT$(A$,1)="L"THENS1$=L0$:RETURNELSEIFLEFT
$(A$,1)="S"ANDLEFT$(A$,2)<>"S"THENS1$=L8$:RETURNELSEIFVAL(A$)<>0THEN240ELSEA4$=
LEFT$(A$,3):FORHX=1TO12:IFM$(HX)=A4$THENMID$(S1$,2)=CHR$(HX):CMD"F=POPN"ELSENEXT
HX:GOT0265
230 MID$(S1$,3,1)=CHR$(VAL(MID$(A$,4,3))):I=INSTR(A$," "):IFI=0THENMID$(S1$,1,1)
=CHR$(PEEK(OU+18))ELSEHX=VAL(MID$(A$,I+1,5)):IFHX<100THENMID$(S1$,1,1)=CHR$(HX)E
LSEMID$(S1$,1,1)=CHR$(HX-1900)
235 GOT0250
240 MID$(S1$,2,1)=CHR$(VAL(A$)):I=INSTR(A$,"/"):IFI=0THEN265ELSEMID$(S1$,3,1)=CH
R$(VAL(MID$(A$,I+1)))
245 I=INSTR(I+1,A$,"/"):IFI=0THENMID$(S1$,1,1)=CHR$(VAL(MID$(TIME$,7,2)))ELSEMID
$(S1$,1,1)=CHR$(VAL(MID$(A$,I+1,2)))
250 I=INSTR(A$," "):IFI=0THENMID$(S1$,4,2)=CHR$(0)+CHR$(0):RETURN
255 MID$(S1$,5,1)=CHR$(VAL(MID$(A$,I+1))):GOSUB4:HX=VAL(MID$(A$,I-2)):IFINSTR(MI
D$(A$,I-2),"P")THENIFHX<>12THENHX=HX+12:IFHX>23THENHX=HX-24ELSEELSEIFHX=12TH
ENHX=0
260 MID$(S1$,4,1)=CHR$(HX):RETURN
265 PRINT"illegal date/time string!":IFRETHENRE=0:RETURNELSE10
270 X=0:Y=0:AN=0:F1=-1:GOSUB19:IFN5=0THENCLOSE4:PRINT"There are no active groups
!":RETURNELSESEGOSUB11:IFA$="*"THENF1=0:CLOSE4:RETURN
275 IFA$=?:"THENA$=""":X=0:Y=0:F1=0:AN=0:RETURN
280 IFA$=""THENPRINT"Null group name illegal!":RETURN
285 IFVAL(A$)<>0THENY=VAL(A$):IFY>=1ANDY<=N5THENGET4,Y:GOT0295ELSEPRINT"Group nu
mber out of range!":CLOSE4:RETURN
290 A$=FNP$(A$,30):FORY=1TON5:GET4,Y:IFG$=A$THENCMD"F=POPN"ELSENEXTY:GOT0300
295 X=CVI(GN$):A$=B$:GOSUB3:AN=AN$="Y":CLOSE4:F1=0:RETURN
300 GOSUB3:FORY=1TON5:GET4,Y:IFLEFT$(B$,LEN(A$))=A$THENCMD"F=POPN":GOT0295ELSENE
XTY:PRINT"Group 'A$' does not exist!":CLOSE4:F1=-2:RETURN
305 FD=4:POKEOU+23,0:POKEOU+1,TA:ONERRORGOTO2:CMD"F=POPS":CLOSE1,2,4:POKEOU,TS:PR
INT:X=FRE(A$):IFPEEK(OU+5)AND1THENPOKEOU,TSAND252:PRINT"** PAGE ON **":POKEOU,T
S
310 IF(TSAND4)=0THEN325ELSEPRINT@131,UP:PRINT@139,DL:PRINT@147,MS:IFGR$="*"TH
ENPRINT@156,"* ";ELSEIFGR=0THENPRINT@156,"X ";ELSEPRINT@155,GR;

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315 PRINT@163,LV; : IF PEEK(OU+5) AND 1 THEN PRINT@190,"Y"; ELSE PRINT@190,"N";
320 PRINT@960,;
325 GOSUB29
330 PRINT "Command (or ? for Menu): "; : A3$=""
335 ML=40: EC=1: GOSUB6
340 GOSUB3: GOSUB4: IFFL THEN PRINT#3, TIME$" - "A$
345 IFA$<>"THEN365
350 BL=BL+1: IF BL<2 THEN N360
355 POKE OU+6,0: POKE OU+7,0: BL=0
360 PRINT: PRINT SA$(RND(5)): GOTO305
365 IF LEFT$(A$,1)="A" THEN IF RIGHT$(A$,1)="?" THEN PRINT "Last command: "ZA$: GOTO305E
LSE IF LEFT$(ZA$,2)="D" THEN ZA$=?": A$=?": ELSE A$=ZA$ ELSE ZA$=A$
370 IFA$="PRVSY$1" AND (PEEK(OU+10) AND 4) THEN 485
375 IFA$="PRVSY$2" AND (PEEK(OU+10) AND 4) THEN 490
380 IF VAL(A$) THEN A$="G"+A$
385 Q$=LEFT$(A$,1): Q1$=MID$(A$,2)
390 IFA$="*" AND (PEEK(OU+10) AND 64) THEN 475
395 IF PEEK(OU+10) AND 1 THEN ON INSTR ("?GLBIWPETROMNVQCQYDUFHKZSJX", Q$) GOTO415,455,455
,420,445,450,475,455,455,455,475,475,455,475,475,475,475,495,475,480,475,455,500
,475,535,475
400 IF (PEEK(OU+10) AND 1)=0 THEN ON INSTR ("?GLBIWPETROMNVQCQYDUFHKZSJX", Q$) GOTO415,410
,410,410,445,450,410,410,410,410,475,410,410,475,475,475,475,495,410,410,475,410
,405,475,535,410
405 PRINT: PRINT SA$(RND(4)+5): GOTO305
410 PRINT: PRINT "I'm sorry, but you must be validated to use that command.": PRINT
"To find out how to become validated, please read the": PRINT "<W>elcome message.":
GOTO10
415 F9$="MENU/TFC": GOSUB8: GOTO305
420 A4$="BBS"
425 F9$=A4$+"CAT/TFC": IF VAL(Q1$) THEN A$=Q1$: GOTO435 ELSE PRINT: GOSUB8
430 PRINT: PRINT "Which category would you like? "; : ML=2: GOSUB6: GOSUB3: IF VAL(A$)=0
THEN 10
435 OPEN "I", 1, F9$
440 LINEINPUT#1,A3$: IF VAL(A3$)=VAL(A$) THEN CLOSE1: PRINT: F9$=A4$+MID$(STR$(VAL(A$))
),2)+"TFC": GOSUB8: GOTO10 ELSE IF EOF(1) THEN CLOSE1: PRINT "That category does not exist!": GOTO430 ELSE 440
445 A4$="INFO": GOTO425
450 F9$="WELCOME/TFC": GOSUB8: GOTO305
455 X=2: A$="MSGBASE"
460 IF OV=X THEN 470 ELSE OV=X: ONERROR GOTO2: CMD "F", DELETE1000-
465 PRINT "<One moment>": MERGEA$
470 ONERROR GOTO2: GOTO1000
475 X=3: A$="MISC": GOTO460
480 X=4: A$="UPDOWN": GOTO460
485 X=5: A$="SYSOP1": GOTO460
490 X=6: A$="SYSOP2": GOTO460
495 PRINT: PRINT "The current date/time is: "DA$(PEEK(OU+19))", "FNG$: GOTO10
500 IF PEEK(OU+8)=0 THEN 405 ELSE IF Q1$<>" THEN 510
505 PRINT "Current access level: "LV"- "LV$(LV): GOTO305
510 X=VAL(Q1$): IF X<>INT(X) OR X<>0 OR X>9 THEN PRINT "Illegal access level!": GOTO305
515 IF X=9 AND (PEEK(OU+10) AND 4) THEN 525
520 IF X<>0 THEN IF PEEK(OU+8) AND (2L(X-1)+.5) THEN 525 ELSE PRINT "You don't have access
to that level!": GOTO305
525 IF LV$(X)="" THEN PRINT "That sublevel is nonexistant!": GOTO305
530 GR$="": GR=0: GN=0: LV=X: GOTO505
535 POKE OU+1, TAAND223: POKE OU, TSOR8: PRINT "Modem test": : PRINT: FOR Y=1 TO 4: FOR X=32 TO 1
27: PRINT CHR$(X); : NEXT X, Y: PRINT: PRINT: FOR X=0 TO 9: PRINT CHR$(X+48): NEXT X: GOTO10
540 IF PEEK(OU+11)=255 THEN PRINT "<Unlimited>": TR=255: RETURN LSET R=PEEK(OU+11)-FNE(
ST$, FNH$): IF TR<=0 THEN PRINT "*** Login time limit exceeded ***": A3$="Time li
mit exceeded": A$="0": GOTO12 ELSE PRINT "<MID$(STR$(TR),2)" Min Remaining>": RETURN

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545 PRINT#3,TIME$" - "QW$
550 IF LPTHENLPRINT TIME$" - "QW$
555 RETURN
1000 OU=&HFFE0:POKEOU,32:POKEOU+1,11:RANDOM:DEFUSR0=OU+20
1010 ONERRORGOTO2:OP=60:ZZ=-1:SG$="I'm sorry but the Sysop is not available at t
he moment."
1020 DIMM$(12),U$(8),D$(OP),SA$(9),LV$(9),L1$(9),DA$(7)
1030 FORX=1TO12:READM$(X):NEXTX:FORX=1TO9:READSA$(X):NEXTX:FORX=1TO7:READDA$(X):
NEXTX:CLS
1040 RE=-1:LINEINPUT"What is the current date/time? ";A$:GOSUB5:GOSUB3:GOSUB13:I
FRE=0THEN1040ELSERE=0
1050 POKEOU+18,ASC(S1$):POKEOU+17,ASC(MID$(S1$,2)):POKEOU+16,ASC(MID$(S1$,3)):PO
KEOU+15,ASC(MID$(S1$,4)):POKEOU+14,ASC(MID$(S1$,5))
1060 CLS:PRINT"Choose one of":PRINT:FORX=1TO7:PRINTX"- "DA$(X):NEXT:PRINT:PRINT
"What day is it?"
1070 Y$=INKEY$:IFY$<"1"ORY$>"7"THEN1070ELSEPOKEOU+19,ASC(Y$)-48:CLS
1080 PRINTDA$(PEEK(OU+19))", "FNG$:PRINT"Correct?"
1090 A$=INKEY$:IFA$=""THEN1090ELSEGOSUB4:IFA$="N"THEN1040ELSEIFA$<>"Y"THEN1090
1100 UT$=FNH$:RETURN
1110 DATA Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec
1120 DATA Speak UP!, Don't be so quiet!, Talk to me!, Trying the silent treatment o
n me?, Please type louder!
1130 DATA Run that by me again., I can't comprehend that., "Hey man, like I can't
handle that.", Say what??
1140 DATA Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday
1150 ****
1160 ***
1170 *** Words of Wisdom ***
1180 ***
1190 *** No force, however great, can stretch a cord, however fine, into ***
1200 *** a horizontal line, which shall be absolutely straight... and so ***
1210 *** is the way of a serpent upon a rock; and the way of a ship in ***
1220 *** the midst of the sea; and the way of a man with a maid... for ***
1230 *** however beautiful and free, still imperfect...
1240 ***
1250 ****
1260 ***
1270 *** Words of Hope ***
1280 ***
1290 *** If builders built buildings the way programmers write programs, ***
1300 *** then the first woodpecker to come along would destroy civiliza- ***
1310 *** tion.
1320 *** -- Gerald Weinberg ***
1330 ***
1340 ****

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*** *** *** *** *** *** *** *** *** ***
*** *** *** LOG IN *** *** *** *** ***

1000 CMD" F=KEEP", SA\$(0), MB(0), DA\$(0), DS(0), U\$(0), NT, NV, SA, DU, UT\$, TU, TP, OF, ZZ, SG\$, JY\$, JZ\$, TR, H3\$, LJ\$
1010 X=0: Y=0: Z=0: W=0: A\$="" : FORX=1 TOOP: D\$(X) = "" : NEXTX: OUT255, 16: DIMV\$(12)
1020 POKEOU, 32: POKEOU+1, 11: POKEOU+2, 132: POKEOU+3, 0: FD=4: CLOSE: GOSUB17: NC=CVI (NC\$): CB\$=RB\$: A\$=NM\$: GOSUB3: SN\$=A\$: A\$=VR\$: GOSUB3: VS\$=A\$: D0\$=E0\$: D1\$=E1\$: D2\$=E2\$: D3\$=E3\$: D4\$=E4\$: D5\$=E5\$: D6\$=E6\$: OPEN"E", 3, "CALRLOG/TFC: "+D4\$
1030 A\$=FA\$: GOSUB3: T1\$=A\$: A\$=FB\$: GOSUB3: T2\$=A\$: A\$=FD\$: GOSUB3: T3\$=A\$: A\$=FD\$: GOSUB3: T4\$=A\$: V1\$=P1\$: V2\$=P2\$: V1=ASC (P3\$): V2=ASC (P4\$): A\$=P5\$: GOSUB3: R1\$=A\$: A\$=P6\$: GOSUB3: R2\$=A\$: A\$=P7\$: GOSUB3: R3\$=A\$: A\$=P8\$: GOSUB3: R4\$=A\$
1032 SC=ASC (SC\$): POKEOU+12, ASC (TK\$)
1033 FL=ASC (LI\$) AND1: LP=ASC (LI\$) AND2
1035 GET4, 2: FORX=0 TO9: A\$=L1\$(X): GOSUB3: LV\$(X)=A\$: NEXTX
1040 TS=32
1045 CLOSE4
1050 OUT&HE9, &H55: GOSUB23
1060 POKEOU+23, 0: POKEOU+5, 0: ONERRORGOTO2: CLS: PRINTCHR\$(15) "This is...": SN\$: PRINT" A TFC-80 Bulletin Board System (Vers "VS\$")": PRINT"(c) 1984, Robert S. French": PRINT: PRINT"Total callers: "STR\$(NC)", since power-up: "STR\$(NT)", voice: "NV
1070 PRINT"Messages posted: "STR\$(TP)", Uploads: "STR\$(TU)
1080 PRINT: PRINT"Last callers: ": FORX=1 TO7STEP2: PRINTU\$(X): TAB(32): U\$(X+1): NEXTX
1090 PRINT: PRINT"Sysop "; IFSAPRINT"not ";
1100 PRINT"available for chat; System is "; CT=-1: IFZZTHENPRINT"up" ELSEPRINT"DOWN"
1110 POKEOU+6, 0: POKEOU+7, 0: Y\$=INKEY\$: TS=32: TA=11
1115 GOSUB21
1120 OL=0: IFCB\$="Y" THEN2730
1130 IF INP(&HE8) AND16 THEN1140 ELSEGOSUB22: FORX=1 TO7000*SC: IF INP(&HE8) AND32 THENNEXT: GOSUB20: GOTO1115ELSECMD" F=POPN": TS=87: GOTO1280
1140 A\$=INKEY\$: IFA\$="" THENGOSUB2910: GOTO1130
1150 GOSUB4: IFA\$="S" THEN1250
1160 IFA\$="G" THEN2930
1170 IFA\$="T" THENS=20: GOTO1280
1180 IFA\$="Q" THENCLS: CLOSE: PRINT"System shutdown": PRINT"===== =====": PRINT: P
OKEOU, 32: POKEOU+1, 11: POKEOU+2, 0: POKEOU+3, 0: POKEOU+23, &H78: ONERRORGOTO0: END
1190 IFA\$="C" THENSA=NOTSA: GOTO1060
1200 IFA\$="Z" THENNT=0: NV=0: TP=0: TU=0: FORX=1 TO10: U\$(X) = "" : NEXTX: GOTO1060
1210 IFA\$="V" THENNV=0: GOTO1060
1220 IFA\$="N" THENPRINT@896, "New time: "; LINEINPUTA\$: IFA\$="" THEN1060ELSEPOKEOU+1
3, 0: POKEOU+14, VAL(MID\$(A\$, INSTR(A\$, ":")+1)): POKEOU+15, VAL(A\$): GOTO1060
1230 IFA\$="D" THENZZ=NOTZZ: GOTO1060
1240 GOTO1120
1250 GOSUB18: F1\$="System": L1\$="Operator": GOSUB7: IFM=0 THENCLOSE4: PRINT"><< System
error - Cannot find 'System Operator' in file! >>": FORX=1 TO1000: NEXTX: GOTO1000
1260 TS=0: QW\$="Sysop Login from Main Console": GOSUB26
1270 UN=M: GET4, UN: CLS: PRINT@960, "<< Sysop Login >>": POKEOU, TS: POKEOU+1, TA: GOTO17
40
1280 CLS: POKEOU, 40R(TSAND64): PRINT@192, "<< STRING\$(62, "")>>": PRINT@960,
1290 IFTSAND1THENPRINT"><< Carrier Detected >>": QW\$="Modem connect": GOSUB26ELSEDW\$="Main
console connect": GOSUB26: PRINT"><< Console Login >>"
1300 FT=0: TA=TAAND254: POKEOU, TS: POKEOU+1, TA: IF(TSAND1)=0 THEN1380
1310 RESTORE
1320 FT=FT+1: IFFT>18 THENA\$="0": A3\$="No response at baud selection": GOTO12ELSEREA
DA\$, Y: IFY=0 THEN1310ELSEOUT&HE9, Y: PRINT: PRINT"><<A\$ BAUD - PRESS ENTER>>": POKEOU+6
, 0: POKEOU+7, 0
1330 FORX=1 TO500: Y\$=INKEY\$: IFA\$="" THENIFINP(&HE8) AND32 THEN1370ELSENEXTX: GOTO1320

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1340 IFY$=CHR$(13)THEN1380
1350 GOTO1320
1360 DATA 300,85,1200,119,110,34,DUMMY,0
1370 A$="0":A3$="Carrier lost at start":GOTO12
1380 VP$=CHR$(13):POKEOU,TS:PRINT:Y=TS:TS=TSAND254:POKEOU+4,70:POKEOU+1,(TAOR4)AND223:PRINTCHR$(27)::FORX=1TO60*SC:NEXTX:PRINT" I ";:POKEOU,TS:FORX=1TO100*SC:IFINKEY$="#"THENNAME0A$:CMD" F=POPN"ELSENEXTX:PRINT:TS=Y:POKEOU,TS:GOTO1480
1390 TA=TAOR1:POKEOU+1,TA
1400 TS=Y:VD$=A$::POKEOU,TS:PRINTCHR$(12)"You are using a ";:IFFLTHENPRINT#3,TIME$"- Vidtex: "A$
1410 A$=LEFT$(VD$,3):IFA$="RS5"THENWD=32:PL=16:PRINT"Color Computer":GOTO1460ELS
EIFA$="RSA"THENWD=80:PL=25:PRINT"Model 4":GOTO1460
1411 IFLEFT$(VD$,4)<>"CC3,"THEN1429
1412 PRINT"Commodore 64 with VIP Terminal":PL=17+VAL(MID$(VD$,7,1))
1413 IFMID$(VD$,8,1)="G"THENWD=40ELSEIFMID$(VD$,8,1)=CHR$(95)THENWD=64ELSEIFMID$(VD$,8,1)="O"THENWD=80ELSEWD=106
1414 GOTO1460
1429 IFA$="CC3"THENWD=40:PL=25:PRINT"Commodore 64":GOTO1460
1430 IFA$="RS2"THENPL=16:WD=64:PRINT"Model 1":GOTO1460
1440 IFA$="RS6"THENPL=16:WD=64:PRINT"Model III":GOTO1460
1450 WD=40:PL=25:PRINT"never before encountered computer"
1460 EC=1:PRINT:PRINT"Would you like to use the features of your VIDTEX? ";:ML=1:GOSUB6:GOSUB4:IFA$="Y"THEN1470ELSEIFA$<>"N"THEN1460ELSE1490
1470 VD=-1:VP$=""::VK$=CHR$(27)+"K":VJ$=CHR$(27)+"J":CL$=CHR$(12):GOTO1490
1480 PRINT:PRINT"CAN YOUR TERMINAL DISPLAY LOWER CASE? ";:ML=1:EC=1:GOSUB6:GOSUB4:IFA$="Y"THENTA=TAOR1:POKEOU+1,TAELSEIFA$<>"N"THEN1480
1490 PRINT:PRINT:IFZZTHEN1530
1500 PRINTCL$"I'm sorry, but the system is not up at the moment.":PRINT"Please try again later.":PRINT
1510 Y$=INKEY$:IFY$="D"ORY$="d"THENPRINT:PRINT"Pw: ";:ML=8:GOSUB6:GOSUB3:GOSUB4:IFA$=R4$THENZZ=NOTZZ:GOTO1530ELSEPRINT"Sorry!"
1520 GOTO9
1530 FT=0:GOSUB18:POKEOU,TS:IFVDTHENPRINTCL$FNAT$(WD/2-5,0)"Welcome to"::PRINTFNAT$(WD-LEN(SN$))/2,2)::SN$:PRINTELSEPRINT"Welcome to: "SN$:PRINT
1540 PRINT"Please enter your LAST NAME or <NEW>...":PRINT
1550 IFVDTHENPRINTFNAT$(0,6)"==>"VK$;ELSEPRINT")==>"::;
1560 EC=1:ML=12:GOSUB6
1570 GOSUB3:IFA$=""THEN1550ELSEGOSUB5:QW$="Ln: "+A$::GOSUB26:IFA$="New"THENPRINTCL$;VP$::GOTO2210ELSEL1$=A$:F1$=""
1580 IFVDTHENPRINTVJ$;
1590 PRINT"What is your password? ";:EC=0:ML=8:GOSUB6:GOSUB3:GOSUB4:IFA$=""THENIFVDTHENPRINTFNAT$(0,7)VJ$::GOT01540ELSE1540ELSEQW$="Pw: "+A$::;
1600 IFVDTHENPRINTFNAT$(WD/2-11,PL-1)....Checking password...";ELSEPRINT"-- Checking password --"
1610 A$=FNP$(A$,8):GOSUB7:IFNOTF1THENM=M+1
1620 IFM>N4ORN4=0THEN1640
1630 GET4,M:IFL$<>L1$THEN1640ELSEIFPW$=A$THEN1710ELSEM=M+1:IFM<=N4THEN1630
1640 QW$=QW$+" = BAD":GOSUB26:IFVDTHENPRINTFNAT$(WD/2-12,PL-1)">>> Illegal password <<<;ELSEPRINT">>> Illegal password <<<"::;
1650 PRINT@0,STRING$(40,32)::PRINT@960,::FT=FT+1:IFVDTHENIFFT<3THEN1550ELSEELSEPRINT:PRINT:IFFT<3THEN1540
1660 PRINTCL$"I'm sorry, but either you have forgotten"
1670 PRINT"your password or you have never logged-in"
1680 PRINT"on this system before. You will have to"
1690 PRINT"login again as a NEW user.":PRINT
1700 GOTO2210
1710 QW$=QW$+" = GOOD":GOSUB26:PRINT@0,"Correct access: CVI (AC$)::PRINT@960,::IFVDTHENPRINTFNAT$(0,8);ELSEPRINT
1720 PRINT"What is your access number? ";:ML=5:EC=0:GOSUB6:QW$="Acc#"+A$::IFVAL(A$)<>CVI(AC$)THENQW$=QW$+" = BAD":GOSUB26:IFVDTHENPRINTFNAT$(WD/2-14,PL-1)">>> Il

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legal access number <<<; :GOT01650ELSEPRINT"Wrong!!!!":PRINT:GOT01650
1730 QW$=QW$+" = GOOD":GOSUB26:PRINT@0,STRING$(40,32);:PRINT@960,CL$;
1740 A$=F$:GOSUB3:A1$=A$:A$=L$:GOSUB3:A2$=A$:PV$=PR$:UN=M:L8$=L9$:L0$=LL$:POKEOU
+10,ASC(PV$):POKEOU+9,ASC(MID$(PV$,2,1)):POKEOU+8,ASC(RIGHT$(PV$,1)):IFNOTVDTHEN
PRINT
1750 IF(PEEK(OU+10)AND16)=0THENPRINT"I'm sorry, but you have been denied access
at this time.":CLOSE4:A$="0":A3$="Access DENIED!":GOT012
1760 IF(PEEK(OU+10)AND4)=0THEN1800
1770 FORFT=1TO2:IFFT=1THENPRINT"What is your secondary password? ";ELSEPRINT"One
more try? ";
1771 ML=B:EC=0:GOSUB6:GOSUB3:GOSUB4:QW$="2nd": "+A$:GOSUB26:IFPEEK(OU+10)AND128TH
ENIFA$=R1$THENPRINT:GOT01790ELSEIF A$=R2$THENPRINT:GOT01790
1775 NEXTFT
1780 PRINT"I'm sorry but you aren't who you claim to be!":A$="0":A3$="Illegal Se
condary password":GOT012
1790 IFVDTHENPRINTCL$;
1800 EC=1:OL=1:GN=0:CH=0:GR$="":GR=0:TC=0:DL=0:MS=0:LV=0:TA=(TAAND1)OR(ASC(CN$)A
ND254):POKEOU+1,TA:POKEOU+3,ASC(NN$):IFVDTHENPOKEOU+2,WDELSWD=ASC(VW$):POKEOU+2
,WD
1810 ST$=FNH$:PRINTDA$(PEEK(OU+19))", "FNI$(ST$):PRINT"TFC-80 Version "VS$":PRINT
:PRINT"Good ";:IFMID$(ST$,4,1)<CHR$(12)THENPRINT"morning";ELSEIFMID$(ST$,4,1)<CH
R$(18)THENPRINT"afternoon";ELSEPRINT"evening";
1820 PRINT", "A1$" "A2$" "(caller #"STR$(NC+1))":PRINT
1825 IFPEEK(OU+10)AND4THENIFPEEK(OU+10)AND128THENPRINT"You have Sysop privs!":PR
INTELSEPRINT"Hey, you're a Remote Sysop!":PRINT
1830 QW$="Online": "+A1$+" "+A2$+" - #"+STR$(NC+1):GOSUB26
1840 LSETNZ$=MKI$(CVI(NZ$)+1)
1850 IFASC(L0$)=0THENPRINT"This is your first call.":PRINT:GOT01910
1860 PRINT"You have called"CVI(NZ$)"times.":PRINT"Your last login was at "FNI$(L
0$)"."
1870 X=NC-CVI(LZ$):IFA1$="System"ANDA2$="Operator"THENX=X+1
1880 IFJY$=A1$ANDJZ$=A2$THENPRINT"<You were the last caller>":GOT01900ELSEIFX<=0
THENPRINT"<No other calls since then>":GOT01900ELSEPRINT"<"MID$(STR$(X),2);:IFX=
1THENPRINT" person has";ELSEPRINT" people have";
1890 PRINT" called since then>"
1900 PRINT
1910 IFA1$=JY$ANDA2$=JZ$THENIFFNE(LJ$,FNH$)>0THENPOKEOU+11,ASC(TL$):TR=PEEK(OU+
11)ELSEPOKEOU+11,TRELSEPOKEOU+11,ASC(TL$):TR=PEEK(OU+11)
1920 EW=ASC(EW$):MW=ASC(MW$):LSETL9$=LL$:LSETLL$=ST$:LSETLZ$=MKI$(NC+1):PUT4,UN:
CLOSE4
1930 IFJY$<>A1$ORJZ$<>A2$THENJY$=A1$:JZ$=A2$ELSEIFTR<=0THENPRINT"I'm sorry, but
you have exceeded your time on the system.":A$="0":A3$="Time limit exceeded at l
ogin":GOT012
1940 IF(T$AND4)=0THEN1990
1950 PRINT@0,"Name: "A1$" "A2$":PRINT@34,"PW: "PW$" Acc: "CVI(AC$);
1960 PRINT@64,"Login: "FNI$(ST$):PRINT@96,"Priv: ";NAME4CHR$(PEEK(OU+8))+CHR$(
PEEK(OU+9))+CHR$(PEEK(OU+10)))
1970 PRINT@128,"Up: 0 Dn: 0 Mp: 0 Gr: X Lv: 0 Ch: "NC+1" Se: "NT+1":PRIN
T@187,"P: N";
1980 PRINT@960,;
1990 IF(PEEK(OU+10)AND1)=0THENF9$="WELCOME/TFC":GOSUB8:PRINT:PRINT
2000 IFPEEK(OU+10)AND4THENPRINT:PRINT"Mem ="STR$(MEM)", String ="STR$(FRE(A$))",
Session ="STR$(NT):PRINT"Messages sent ="STR$(TP)", Uploads ="TU:PRINT
2010 A3$=RIGHT$("0"+MID$(STR$(ASC(L0$)),2,2)+"/"+RIGHT$("0"+MID$(STR$(ASC(MID$(L0$,
2))),2,2)+"/"+RIGHT$("0"+MID$(STR$(ASC(MID$(L0$,3))),2,2)
2020 OPEN"I",4,"DAYMSG/TFC":LINEINPUT#4,A$:PRINT"(Sysmsg last updated "A$)":PRI
NT
2030 LINEINPUT#4,A$:IFLEFT$(A$,1)=">"THENIFMID$(A$,2,8)<A3$THEN2050ELSEPRINTMID$(A$,
2)ELSEPRINTA$;
2040 IFNOTEEOF(4)THEN2030

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2050 CLOSE4
2060 OPEN "I", 4, "QUOTES/TFC": A3\$=MID\$(TIME\$, 4, 5): X=-1
2070 LINEINPUT#4, A\$: IF LEFT\$(A\$, 1) = ">" THEN IF MID\$(A\$, 2, 5) <= A3\$ THEN X=LOC(4)!: GOTO20
70ELSE2080ELSEIF EOF(4) THEN2080ELSE2070
2080 IF X=-1 THEN2100ELSEGET4, !\$X: PRINT: PRINT "Quote for the day": PRINT
2090 LINEINPUT#4, A\$: IF LEFT\$(A\$, 1) = ">" THEN2100ELSEPRINT" "A\$: IF EOF(4) THEN2100EL
SE2090
2100 CLOSE4: PRINT: PRINT: ZA\$="Copyright (c) 1984, Robert S. French"
2110 IF (EWORMW)=0 THEN PRINT "Sorry, "A1\$", no mail waiting today.": GOTO2200
2120 PRINT A1\$", you have"; : X=EW: IF X=0 THEN X=MW: GOTO2140ELSEPRINT X"piece"; : IF X<>1T
HENPRINT"s";
2130 PRINT " of private"; : X=MW: IF X THEN PRINT " and"; ELSE2160
2140 IF X THEN PRINT X"piece"; : IF X<>1 THEN PRINT "s";
2150 PRINT " of public";
2160 PRINT " mail waiting."
2170 IF EW=0 THEN2200ELSEPRINT
2180 PRINT "Would you like to read your private mail now? "; : ML=1: GOSUB6: GOSUB4: I
FA\$="Y"THEN A\$="R -GEmail -M": GOTO012
2190 IF A\$<>"N"THEN2180
2200 GOTO10
2210 F9\$="NEWINTRO/TFC": GOSUB8
2220 PRINT "If you do not wish to login at this time, type the word 'BYE'": PRINT
instead of first name..."
2230 PRINT
2240 PRINT "What is your FIRST name? "; : EC=1: ML=12: GOSUB6: GOSUB3: IFA\$=""THEN2240
2250 GOSUB5: IFA\$="Bye"THEN PRINT "Bye, bye!": A\$="0": A3\$="BYE entered": GOTO012ELSEIF (A\$="System" OR A\$="Sysop") AND (TSAND1)<>0 THEN PRINT "Sorry!": GOTO2240
2260 F1\$=A\$
2270 PRINT "LAST name? "; : ML=12: GOSUB6: GOSUB3: IFA\$=""THEN2240
2280 GOSUB5: IF (A\$="Operator" OR A\$="Sysop") AND (TSAND1)<>0 THEN PRINT "Sorry!": GOTO224
0ELSEIF A\$="New" THEN PRINT "Can't use 'NEW' as a last name!": GOTO2270
2290 L1\$=A\$
2300 QW\$="New user name: "+F1\$+" "+L1\$: GOSUB26
2310 PRINT "What is your address? "; : ML=25: GOSUB6: GOSUB3: GOSUB5: A1\$=A\$: IFA\$=""THE
N2240
2320 PRINT "What city and state are you calling from? "; : ML=20: GOSUB6: GOSUB3: GOSU
B5: A2\$=A\$: IFA\$=""THEN2320
2330 PRINT "What is your zip code? "; : ML=5: GOSUB6: A3\$=A\$: IFA\$=""THEN2330
2340 PRINT "And your phone number (XXX-XXX-XXXX)? "; : ML=12: GOSUB6: A4\$=A\$: IF LEN(A\$)
<>12 THEN2340
2350 PRINT "What type of computer are you using? "; : ML=20: GOSUB6: A5\$=A\$: IFA\$=""TH
EN2350
2360 PRINT "How did you find out about this board (use names)? "; : ML=50: GOSUB6: A7
\$=A\$: IFA\$=""THEN2360
2370 PRINT
2380 PRINT "How many columns wide is your video? "; : ML=3: GOSUB6: GOSUB3: IFA\$=""THE
N2380ELSE VY=VAL(A\$)
2390 IF VY<150 OR VY>132 THEN2380
2400 PRINT: PRINT "Enter a 1-8 character password: "; : ML=8: GOSUB6: GOSUB3: GOSUB4: A6
\$=A\$: IFA\$=""THEN2400
2410 PRINT "And reenter it: "; : ML=8: GOSUB6: GOSUB3: GOSUB4: IFA\$<>A6\$THEN PRINT "They
don't match! Try again...": GOTO2400
2420 PRINT: PRINT "You entered: ": PRINT
2430 PRINT "Name: "F1\$" "L1\$: PRINT "Addr: "A1\$: PRINT "City, St: "A2\$" "A3\$: PRINT "P
hone: "A4\$: PRINT "Comp: "A5\$: PRINT "Recommendation: "A7\$: PRINT "Width: "VY: PRINT "Pw:
"A6\$: PRINT
2440 PRINT "Is this correct? "; : ML=1: GOSUB6: GOSUB4: IFA\$<>"Y"AND A\$<>"Y"THEN IFA\$="N
"OR A\$="n"THEN2230ELSE2440
2450 PRINT: PRINT "Please wait a moment...": IF N4=0 THEN2480ELSE F9\$=FNP\$(A6\$, 8)
2460 FORM=1TON4: GET4, M: IF PW\$=F9\$ THEN CMD "F=POPIN": GOTO2720ELSENEXTM

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2470 GOSUB7:IFF1THENPRINT"I'm sorry, but there is already someone on this system
":PRINT"by that name. Try again...":GOTO2230
2480 M=M+1: IFM<=N4THENFORX=N4TOMSTEP-1:GET4,X:PUT4,X+1:NEXTX
2490 A$=F1$:GOSUB3:IFA$="System"THENLSETPR$=STRING$(3,255):LSETTL$=CHR$(255)ELSE
LSETPR$=V1$:LSETTL$=CHR$(V1)
2500 LSETP$=F1$:LSETL$=L1$:LSETPW$=A6$:LSETNZ$=MKI$(0):LSETLL$=CHR$(0):PRINT:LSE
TAC$=MKI$(RND(32000)):PRINT"Your access code is:":CVI(AC$)
2510 LSETCN$=CHR$(TA):LSETVW$=CHR$(VY):LSETNN$=CHR$(0):LSETNP$=MKI$(0):LSETND$=M
KI$(0):LSETNU$=MKI$(0):LSETEW$=CHR$(0):LSETMW$=CHR$(0):LSETLZ$=MKI$(0)
2520 PUT4,M
2530 QW$="-> New user information <-":GOSUB26
2540 A$=F1$:GOSUB3
2550 QW$="Name: "+A$+":A$=L1$:GOSUB3:QW$=QW$+A$:GOSUB26
2560 QW$="Address: "+A1$:GOSUB26
2570 QW$="City, St: "+A2$+" "+A3$:GOSUB26
2580 QW$="Phone: "+A4$:GOSUB26
2590 QW$="Comp: "+A5$:GOSUB26
2600 QW$="Recommendation: "+A7$:GOSUB26
2610 QW$="-> PW: "+A6$+", Acc#"+STR$(CVI(AC$))+":<-":GOSUB26
2620 OPEN"E",1,"NEWUSER/TFC":+D4$
2630 PRINT#1,"New user logged-on "FNG$:PRINT#1,
2640 A$=F1$:GOSUB3:PRINT#1,"Name: A$":A$=L1$:GOSUB3:PRINT#1,A$:
2650 PRINT#1,"Address: A1$:PRINT#1,"City, St: A2$" "A3$"
2660 PRINT#1,"Phone: A4$:PRINT#1,"Computer: A5$:PRINT#1,"Told by: A7$"
2670 PRINT#1,"Password: A6$:PRINT#1,"Account: CVI(AC$)
2680 PRINT#1,STRING$(40,"-"):CLOSE1
2690 PRINT"Please remember this number as you will need it the next time":PRINT"
you login.":PRINT:PRINT"Press <RETURN> to enter "SN$
2700 ML=0:GOSUB6
2710 GOTO1740
2720 PRINT"I'm sorry, but somebody else has already used some":PRINT"of that inf
ormation...":PRINT"Please try again.":GOTO2230
2730 FORX=1TO400*SC:NEXTX
2740 FORX=1TO30:IFINP(&HEB)AND16THENNEXTX:A$=INKEY$:IFA$=""THENGOSUB2910:GOTO274
0ELSEIFA$="R"ORA$="r"THEN2880ELSE1150
2750 CMD"F=POPN"
2760 FORX=1TO30*SC:NEXTX:IFINP(&HEB)AND16THEN2740
2770 CT=-1:PRINT@896,"<Ring #1 Received>"CHR$(31)
2780 GOSUB2870:PRINT@896,"<Ring #1 Stopped>"CHR$(31)
2790 FORX=1TO700*SC:IFINP(&HEB)AND16THENNEXTX:GOTO2880
2800 CMD"F=POPN":PRINT@896,"<Ring #2 Received>"CHR$(31):GOSUB2870:PRINT@896,"<Ri
ng #2 Stopped>"CHR$(31)
2810 FORX=1TO700*SC:IFINP(&HEB)AND16THENNEXTX:GOTO2880
2820 CMD"F=POPN"
2830 PRINT@896,"<Too many rings for system connection>"CHR$(31):NV=NV+1
2840 QW$="Voice call received":GOSUB26
2850 GOSUB2870:FORX=1TO1000*SC:IFINP(&HEB)AND16THENNEXTX:GOTO1060
2860 CMD"F=POPN":GOTO2850
2870 IF(INP(&HEB)AND16)=0THEN2870ELSERETURN
2880 PRINT@896,"<Awaiting second call>"CHR$(31)
2890 FORX=1TO10000*SC:IFINP(&HEB)AND16THENNEXTX:GOTO1050ELSECMD"F=POPN"
2891 GOSUB22:FORX=1TO7000*SC:IFINP(&HEB)AND32THENNEXTX:GOSUB20:GOTO1050
2900 CMD"F=POPN":TS=87:GOTO1280
2910 IFPEEK(OU+14)=CTTHENRETURN
2920 CT=PEEK(OU+14):PRINT@912,DA$(PEEK(OU+19))", "FNG$"      ":RETURN
2930 CLS:PRINT"Current Sysop absentee message":PRINT:PRINTSG$#
2940 PRINT:PRINT:LINEINPUT"New message: ";A$:IFA$<>""THENSG$#=A$#
2950 GOTO1060

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..... [15GBASE]

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1000 ONINSTR ("TNRKGL", Q$) GOTO3060,3210,3260,3940,4550,4570
1010 IFMB=0THENMG$="" : H1$="" : H2$="" : U1$="" : U2$=""
1020 VW=PEEK (OU+2) : VY=VW: I=INSTR (Q1$, "-W") : IFI=0THEN1040
1030 VY=VAL (MID$(Q1$, I+2)) : IFVY<150ORVY>240THENPRINT "Illegal video width!" : GOTO10
1040 I=INSTR (Q1$, "-P") : IFITHENA$=MID$(Q1$, I+2) : GOSUB3: MG$=LEFT$(A$, 1) : IFMG$<>"N"
ANDMG$<>"K"ANDMG$<>"R"THENMG$=""
1050 I=INSTR (Q1$, "-C") : IFI=0OR(PEEK (OU+10) AND2)=0THEN1090
1060 A$=MID$(Q1$, I+2) : GOSUB11: IFA$=""THENPRINT "Can't create a null group!" : GOTO10
0ELSEIFA$=""*ORVAL (A$) THENPRINT "Illegal group name!" : GOTO10
1070 GOSUB19: A4$=FNP$ (A$, 30) : IFN5THENFORX=1TON5: GET4, X: IFA4$=B$THENCMD "F=POPN": P
RINT "Group ' "A$" ' already exists!" : CLOSE4: GOTO10ELSENEXTX
1080 GOTO1120
1090 I=INSTR (Q1$, "-G") : IFI=0THENG8=GN: G9$=GR$: G9=GR: IFGR$=""THENGOSUB4830: GOTO11
10ELSEIFGR$=""*THENPRINT "You can't send a message to ALL groups!" : GOTO10ELSE1200
1100 A$=MID$(Q1$, I+2) : GOSUB27: IFF1THEN10ELSEIFA$=""THENCLOSE4: GOSUB4830
1110 G8=X: G9=Y: G9$=A$: IFA$=""*THENPRINT "You can't send a message to ALL groups!" :
GOTO10ELSE1200
1120 I=INSTR (Q1$, "-A") : IFITHENIFFEEK (OU+10) AND4THENA5$="Y"ELSEPRINT "I'm sorry, b
ut only Sysops may create anonymous groups!" : CLOSE4: GOTO10ELSEA5$="N"
1130 G9$=A$: G9=N5+1: PRINT "About to create group: "A$; : IFA5$="Y"THENPRINT " (Anon
)"ELSEPRINT
1140 PRINT "Ok? "; : ML=1: GOSUB6: GOSUB4: IFA$="Y"THEN1150ELSEIFA$="N"THENCLOSE4: GOTO
10ELSE1140
1150 IFN5=0THENLSETGN$=MKI$(0)ELSEGET4, N5
1160 LSETGN$=MKI$(CVI (GN$)+1) : G8=CVI (GN$) : LSETG$=G9$: LSETCR$=A1$+" "+A2$: LSETTC$=FNH$:
LSETAN$=A5$: PUT4, G9: CLOSE4
1170 E0$=D0$: E1$=D1$: IFLVTHENE0$=D5$: E1$=D5$
1180 A$="G"+CHR$(LV+48)+MID$(STR$(B8), 2) : CMD "CREATE "+A$+"/TTL: "+E0$: CMD "CREATE "
+A$+"/GRP: "+E1$
1190 PRINT "Group "G9$" created!": PRINT
1200 IFMB=0THEN1270
1210 PRINT "There is a message already in the buffer!": PRINT
1220 PRINT "Subject: "; H2$: PRINT
1230 PRINT "Do you want to continue editing where you left off? "; : ML=1: GOSUB6: GO
SUB4
1240 IFA$="N"THEN1260ELSEIFG9$="Email"THENMG$="R"ELSEIFMG$="R"THENMG$="K"
1250 IFA$="Y"THEN1290ELSE1230
1260 FORX=1TOOP: D$(X)="" : NEXTX: H1$="" : H2$="" : MG$="" : B7=0: MB=0
1270 PRINT "Sending message to group "G9"- "G9$; : IFAN$="Y"THENPRINT " (Anon)"ELSEPR
INT
1280 PRINT: B7=0
1290 I=INSTR (Q1$, "-R") : IFITHENG7=VAL (MID$(Q1$, I+2))
1300 GOSUB1320: GOTO10
1310 X=B1: Y=B2: Z=B3: S1=B5: S2=B6: S2$=B1$: F5=B7: RETURN
1320 B1=X: B2=Y: B3=Z: B5=S1: B6=S2: B1$=S2$: B7=F5: IFG7=0THEN1380
1330 A$="G"+CHR$(LV+48)+MID$(STR$(B8), 2)+"/TTL": GOSUB16: Y=G7: IFN3=0THEN1350
1340 W=Y: GOSUB4850: IFF1THENIFCVI (NR$) THENY=CVI (NR$): GOTO1340ELSE1360
1350 CLOSE4: PRINT "There is no message # "Y: G7=0: GOTO1310
1360 G7=M: PRINT "Replies to message # "Y: CLOSE4: A$=TT$: GOSUB3: IFLEFT$(A$, 4)<>"Re:
"THENA$="Re: "+A$
1370 H2$=A$
1380 IFMBTHENPRINT "To: "H1$: PRINT "Subject: "H2$: IFG9$<>"Email"THENPRINT "Protecti
on: "MG$: GOTO1590ELSE1590
1390 IFH1$<>"THENPRINT "To: "H1$ELSEGOSUB2470: IFNOTF1THEN1310
1400 IFH1$="All"ANDG9$="Email"THENPRINT "Please do not send public messages in gr
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oup 'Email'.";H1=""":GOTO1390
1410 IFXRAND9$$="Email"THENPRINT"Messages in group 'Email' must have an existing
recipient.":H1=""":GOTO1390
1420 IFH2$<>""THENPRINT"Subject: "":ML=40:GOSUB6:GOSUB3:I
FA$$=""THEN10ELSEH2$$=A$:PRINT"--> Subject: "H2$" - Correct? "":ML=1:GOSUB6:GOSUB3:
GOSUB4:IFA$<>"Y"THENH2$$=""":GOTO1420
1430 IFG9$$="Email"THENMG$$="R":GOTO1470
1440 IFMG$$<>""THENPRINT"Protection: "MG$$:GOTO1470ELSEMG$$="K"
1450 PRINT"Default protection: "MG$$
1460 GOSUB2410
1470 MB=-1:PRINT"===== Enter message ====="
1480 PRINT"Type '*END*' at the beginning of a line to stop"
1490 PRINT"====="
1500 CL=0:HL=0
1510 CL=CL+1:IFCL>OPTHENCL=OP:GOTO1590
1520 IFD$(CL-4)=="ANDD$(CL-3)=="ANDD$(CL-2)=="ANDD$(CL-1)=="THENPRINT"Use '*END*'
to end the message."
1530 POKEOU+1,TAAND223:POKEOU+2,VY:IFD$(CL)<>""THENPRINT"Line"CL"currently reads
":PRINTUSING"##";CL;:PRINT">"D$(CL)
1540 PRINTUSING"##";CL;:PRINT">":ML=PEEK(OU+2)-5:GOSUB6
1550 A3$$=A$:GOSUB4:IFLEFT$(A$,4)="*END"THEN1590ELSEIFLEFT$(A$,5)<>"*SKIP"THEND$(CL)=A3$
1560 IFCL=OP-10THENPRINT"--> 10 lines left <--"ELSEIFCL=OP-5THENPRINT"--> 5 lines
left <--"ELSEIFCL=OP-2THENPRINT"--> 2 lines left <--"
1570 IFCL>HLTHENHL=CL
1580 GOTO1510
1590 POKEOU+2,VW:IFCL=0THENCL=1:IFHL=0THENHL=1
1600 PRINT:PRINT"Ptr: "STR$(CL)", high: "HL:PRINT"Enter <A,C,D,E,H,I,J,L,N,P,Q,R,S
,T,U,?>": "
1610 ML=18:GOSUB6:GOSUB4:IFA$$=""THEN1590ELSEV$$=LEFT$(A$,1):V1$$=MID$(A$,2):ONINST
R("2APLDICEQSNTHJUR",V$)GOTO1630,1710,1730,1750,1760,1830,1900,1910,1920,1930,21
40,2220,2280,2570,2750,2830
1620 GOTO1590
1630 PRINT"Choose one of:"PRINT:PRINT"<A> - Abort entry and erase text"
1640 PRINT"<C> - Continue entering at end of text":PRINT"<D> - Delete line(s)"
1650 PRINT"<E> - Edit starting at current line (ptr)":PRINT"<H> - Change header"
:PRINT"<I> - Insert line(s)"
1660 PRINT"<J> - Justify line(s)":PRINT"<L> - List line(s)":PRINT"<N> - Indent line(s)":PRINT"<P> - Position pointer"
1670 PRINT"<Q> - Quit - Return to Command prompt and leave text intact"
1680 PRINT"<R> - Replace text strings"
1690 PRINT"<S> - Send message":PRINT"<T> - Center line(s)":PRINT"<U> - Unjustify line(s)":PRINT"<?> - List this help"
1700 GOTO1600
1710 PRINT"** ABORT ** - This will erase any text you have entered":PRINT"Sure??
? "":ML=1:GOSUB6:GOSUB4:IFA$<>"Y"THEN1590
1720 FORX=1TOOP:D$(X)=""NEXTX:H1$$=""H2$$=""MB=0:PRINT"Aborted!":GOTO1310
1730 IFV1$$=""THENPRINT"Position pointer to line: "":ML=2:GOSUB6ELSEA$$=V1$-
1740 GOSUB2990:IFX<1ORX>HLORINT(X)<>XTHENPRINT"Illegal line number.":GOTO1590ELS
ECL=X:GOTO1590
1750 GOSUB2910:POKEOU,TSOR8:FORX=S1TOS2:PRINTUSING"##";X;:PRINT">"D$(X):NEXTX:PO
KEOU,TS:GOTO1590
1760 IFV1$$=""THENPRINT"Line(s) to delete: "":ML=6:GOSUB6:V1$$=A$-
1770 GOSUB2910:PRINT"Delete line":IFS1=S2THENPRINTS1"? "":ELSEPRINT"= S1"to" S2"? "
":ML=1:GOSUB6:GOSUB4:IFA$<>"Y"THEN1590
1790 FORX=S1TOHL-S2+S1-1:D$(X)=D$(X+S2-S1+1):NEXTX
1800 HL=HL-S2+S1-1:IFCL>HLTHENCL=HL
1810 FORX=HL+1TOHL+S2-S1+1:D$(X)=""NEXTX
1820 GOTO1590

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1830 IFV1$=="THENPRINT"Insert before line: "":ML=3:GOSUB6:GOSUB2990:S1=X:PRINT"Number of lines: "":ML=3:GOSUB6:GOSUB2990:S2=X:GOTO1850
1840 A$=V1$":GOSUB2990:S1=X:I=INSTR(V1$," "):IFI=0THEN S2=MID$(V1$,I+1):GOSUB2990:S2=X
1850 IFS1<1ORS1<>INT(S1)DRS2<1ORS2<>INT(S2)ORS1>HLTHENPRINT"Bad parameters":GOTO1590
1860 IFHL+S2>OPTHENPRINT"Message too long -- can't insert lines":GOTO1590
1870 PRINT"Insert "S2" line":IFS2<>1THENPRINT"s":
1880 PRINT" before line"S1"? "":ML=1:GOSUB6:GOSUB4:IFA$<>"Y"THEN1590
1890 FORX=HLTOS1STEP-1:D$(X+S2)=D$(X):NEXTX:FORX=S1TOS1+S2-1:D$(X)"":NEXTX:HL=H
L+S2:GOTO1590
1900 IFHL=OPTHENPRINT"Message too long!":GOTO1590ELSEPRINT"Continue at line"HL+1
" . . .":CL=HL:GOT01510
1910 PRINT"Edit starting at line"CL:PRINT"Enter '*SKIP*' to leave line the same"
:PRINT"Enter '*END*' to end edit mode":GOT01530
1920 PRINT"** Quit ** - This message has not been saved! You may recover":PRINT
"this same text by entering the 'E' command.":GOT01310
1930 A$="G"+CHR$(LV+48)+MID$(STR$(GB),2)"/TTL":PRINT"Checking group "G9$" . . .":G
OSUB16:PRINT"There "":IFN3=1THENPRINT"i s";ELSEPRINT"are";
1940 PRINT" currently"N3"message":IFN3<>1THENPRINT"s";
1950 PRINT". . .":I=0:IFN3THENGET4,N3:I=CVI(MN$)
1960 PRINT"This message is number:"I+1
1970 IFG7THENGET4,G7:LSETNR$=MKI$(I+1):PUT4,G7:LSETPM$=MN$ELSESETPM$=MKI$(0)
1980 LSETNR$=MKI$(0)
1990 LSETRC$="N":IFH1$<>"A11"ANDNOTXRTHENLSETRC$="P"
2000 LSETTT$=H2$:LSETSD$=A1$+" "+A2$:LSETTM$=FNH$:LSETMN$=MKI$(I+1):LSETWT$=H1$:
LSETPT$=MG$:LSETNL$=CHR$(HL)
2010 OPEN"E",2,"G"+CHR$(LV+48)+MID$(STR$(GB),2)"/GRP":LSETPS$=MKS$(LOC(2)%):PUT
4,N3+1:CLOSE4
2020 PRINT"Updating message file. . ."
2030 FORX=1TOHL:PRINT#2,D$(X):NEXTX:PRINT#2,CHR$(255)
2040 CLOSE2:MS=MS+1:TP=TP+1:GOSUB18:GET4,UN:LSETNP$=MKI$(CVI(NP$)+1):PUT4,UN
2050 IFH1$=="THEN2110ELSEI=0
2060 I=INSTR(I+1,H1$," "):IFI=0THEN2110ELSEF1$=LEFT$(H1$,I-1):L1$=MID$(H1$,I+1):
GOSUB7
2070 IFNOTF1THEN2060ELSEPRINT"Notifying "H1$" of this message."
2080 IFMG$="R"THENLSETEW$=CHR$(ASC(EW$)+1)ELSESETMW$=CHR$(ASC(MW$)+1)
2090 IFH1$=(A1$+" "+A2$)THENEW=ASC(EW$):MW=ASC(MW$)
2100 PUT4,M
2110 CLOSE4
2120 B4=B4+1:PRINT"Message sent."
2130 FORX=1TOOP:D$(X)"":NEXTX:H1$=""":H2$=""":MB=0:GOT01310
2140 IFV1$=="THENPRINT"Indent line(s): "":ML=6:GOSUB6:V1$=A$:
2150 GOSUB2910:IFINSTR(V1$," ")=0THENPRINT"Characters to indent? "":ML=3:GOSUB6:
V1$=A$ELSEV1$=MID$(V1$,INSTR(V1$," ")+1)
2160 Y=VAL(V1$):IFY<0ORY<>INT(Y)ORY>40THENPRINT"Illegal number of characters":GO
TO1590
2170 PRINT"Indent line":IFS1=S2THENPRINTS1;ELSEPRINT"s" S1"to" S2;
2180 PRINT"? "":ML=1:GOSUB6:GOSUB4:IFA$<>"Y"THEN1590
2190 FORX=S1TOS2:A$=D$(X):GOSUB3:IFLEN(A$)+Y>PEEK(OU+2)-5THENPRINT"Line"X"is too
long to be indented":CMD" F=POPN":GOT01590ELSENEXTX
2200 FORX=S1TOS2:A$=D$(X):GOSUB3:D$(X)=STRING$(Y,32)+A$:NEXTX
2210 GOT01590
2220 IFV1$=="THENPRINT"Center line(s): "":ML=6:GOSUB6:V1$=A$:
2230 GOSUB2910
2240 PRINT"Center line":IFS1=S2THENPRINTS1;ELSEPRINT"s" S1"to" S2;
2250 PRINT"? "":ML=1:GOSUB6:GOSUB4:IFA$<>"Y"THEN1590
2260 FORX=S1TOS2:A$=D$(X):GOSUB3:Y=(YY-5)/2-LEN(A$)/2:D$(X)=STRING$(Y,32)+A$:NEX
TX
2270 GOT01590

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2280 IFINSTR(V1$, "-S") THEN2340 ELSEIFINSTR(V1$, "-T") THEN2370
2290 PRINT"Header": PRINT:PRINT"To: "H1$:PRINT"Subject: "H2$:IFG9$<>"Email"THENP
RINT"Protection: "MG$
2300 PRINT:IFG9$<>"Email"THENPRINT"Enter <P,Q,S,T,?>: ";ELSEPRINT"Enter <Q,S,T,?>: ";
2310 ML=1:GOSUB6:GOSUB4
2320 ONINSTR("QST?P",A$)GOTO1590,2340,2370,2380,2400
2330 GOTO2300
2340 IFG7THENPRINT"Cannot change subject of a message reply!":GOTO2300
2350 PRINT"Subject: ";ML=40:GOSUB6:GOSUB3:IFA$=""THEN1590
2360 H2$=A$:GOTO1590
2370 GOSUB2470:GOT01590
2380 PRINT"Choose one of:"PRINT:IFG9$<>"Email"THENPRINT"<P> - Protection"
2390 PRINT"<Q> - Quit":PRINT"<S> - Subject":PRINT"<T> - To":PRINT"<?> - Display
this help":GOTO2300
2400 IFG9$="Email"THEN2300ELSEGOSUB2410:GOT02300
2410 PRINT"Protection <K,N,?>: ";ML=1:GOSUB6:GOSUB4:IFA$=""THENRETURNELSEIFA$<>
"?THEN2450
2420 PRINT"Choose one of:"PRINT:PRINT"<K> - Kill protected":PRINT"Everyone can read this msg but only sender and receiver":PRINT" can kill it"
2430 PRINT"<N> - Not protected":PRINT" Everyone can read and kill this mess
age"
2440 PRINT"<?> - Display this help":PRINT:GOT02410
2450 IFA$<>"K"ANDA$<>"N"THEN2410
2460 MG$=A$:RETURN
2470 F1=-1:PRINT"To (*' for ALL): ";ML=25:GOSUB6:GOSUB3:GOSUB5:IFA$=""THENF1=0
:RETURNELSEIFA$=""THENA$="A11"
2480 IFA$="Sysop"ORA$=T1$ORA$=T2$ORA$=T3$ORA$=T4$THENA$="System Operator":PRINT"
You mean...":PRINT"To: "A$:PRINT
2490 XR=0: I=0:H1$=A$:IFA$="A11"THENRETURNSEGOSUB18
2500 I=INSTR(I+1,H1$, " "):IFI=0THEN2540
2510 F1$=LEFT$(H1$, I-1):L1$=MID$(H1$, I+1)
2520 GOSUB7:IFF1THENCLOSE4:RETURN
2530 GOT02500
2540 CLOSE4:PRINT"** That person is not registered on this system **"
2550 PRINT"Accept the name anyway? ";ML=1:GOSUB6:GOSUB5
2560 IFA$="Y"THENF1=-1:XR=-1:RETURNELSE2470
2570 W=VY:IFV1$=""THENPRINT"Justify line(s): ";ML=6:GOSUB6:V1$=A$
2580 GOSUB2910:I=INSTR(V1$, ", "):IFITHENW=VAL(MID$(V1$, I+1))ELSEPRINT"Width of ju
stification? ";ML=3:GOSUB6:W=VAL(A$)
2590 IFW<1ORW>2000ORW<>INT(W)ORW>VYTHENPRINT"Illegal width for justification!":GO
TO1590
2600 PRINT"Justify line";IFS1=S2THENPRINTS1"? ";ELSEPRINT"s"S1"to"S2"? ";
2610 ML=1:GOSUB6:GOSUB4:IFA$<>"Y"THEN1590
2620 DIMS(W+10),T(W+10)
2630 FORX=S1TOS2:PRINT"Line"X:A$=D$(X):GOSUB3:D$(X)=A$:Y=LEN(D$(X)):IFY<2THENPRI
NT"(Not justified)":GOT02730ELSEIFY>=WTHENPRINT"(Too long)":GOT02730
2640 F2=0:FORF3=1TOY
2650 I=INSTR(F3,D$(X), " "):IFI=0THENF3=Y:GOT02670
2660 IFI>F3THENG(F2)=I:F2=F2+1:F3=I
2670 NEXTF3:IFF2=0THEN2730
2680 F4=RND(F2)-1:IFINT(F4/2)=F4/2ORF4=1THENF5=1ELSEF5=2
2690 FORF3=1TOW-Y:T(F4)=T(F4)+1:F4=F4+F5:IFF4>F2-1THENF4=F4-F2
2700 NEXTF3:FORF3=F2-1T00STEP-1
2710 D$(X)=LEFT$(D$(X), S(F3))+STRING$(T(F3), " ")+MID$(D$(X), S(F3)+1):T(F3)=0
2720 NEXTF3
2730 NEXTX:CMD"F=ERASE", S(0), T(0)
2740 GOT01590
2750 IFV1$=""THENPRINT"Unjustify line(s): ";ML=6:GOSUB6:V1$=A$
2760 GOSUB2910

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2770 PRINT"Unjustify line";:IFS1=S2THENPRINTS1;ELSEPRINT"=S1"to"S2;
2780 PRINT"? ";:ML=1:GOSUB6:GOSUB4:IFA$<>"Y"THEN1590
2790 FORX=S1TOS2:PRINT"Line"X
2800 I=INSTR(D$(X)," "):IFI=THENEND$(X)=LEFT$(D$(X),I)+MID$(D$(X),I+2):GOTO2800
2810 NEXTX
2820 GOTO1590
2830 IFV1$=""THENPRINT"Replace line(s)";:ML=6:GOSUB6:V1$=A$
2840 GOSUB2910:PRINT"Search for";:ML=40:GOSUB6:IFA$=""THEN1590ELSEA4$=A$
2850 PRINT"Replace with";:ML=40:GOSUB6:IFA$=""THEN2850ELSEA3$=A$
2860 Y=0:FORX=S1TOS2:I=1
2870 I=INSTR(I,D$(X),A4$):IFI=0THEN2900
2880 IFLEN(D$(X))+LEN(A3$)-LEN(A4$)>220THENPRINT"Overflow in line"X:GOTO2900
2890 Y=Y+1:D$(X)=LEFT$(D$(X),I-1)+A3$+MID$(D$(X),I+LEN(A4$)):I=I+LEN(A3$):GOTO28
70
2900 NEXTX:PRINT"Replaced"Y:GOTO1590
2910 IFV1$=""THENS1=1:S2=HL:RETURNELSEI=INSTR(V1$,"#"):IFI=0THENF1$=V1$:L1$=F1$:
GOTO2950
2920 IFI=1THENF1$="1":L1$=MID$(V1$,2):GOTO2950
2930 IFI=LEN(V1$)THENF1$=V1$:L1$=STR$(HL):GOTO2950
2940 F1$=LEFT$(V1$,I-1):L1$=MID$(V1$,I+1)
2950 A$=F1$:GOSUB2990:S1=X
2960 A$=L1$:GOSUB2990:S2=X
2970 IFS1<10RS1>S20RS1<>INT(S1)0RS2>HL0RS2<>INT(S2)THENPRINT"Illegal range":CMD"
F=POPR":GOTO1590
2980 RETURN
2990 GOSUB3040
3000 A$=MID$(A$,2):V$=LEFT$(A$,1):A$=MID$(A$,2)
3010 IFV$=+"+"THENY=X:GOSUB3040:X=X+Y:RETURN
3020 IFV$= "-"THENY=X:GOSUB3040:X=Y-X
3030 RETURN
3040 GOSUB3:V$=LEFT$(A$,1):IFV$=".+"THENX=CLELSEIFV$="##"THENX=1ELSEIFV$="*"THENX=
HLELSEX=VAL(A$):A$=MID$(A$,LEN(STR$(X))-1)
3050 RETURN
3060 F4=INSTR(Q1$,"-A"):F5=INSTR(Q1$,"-T")0RF4:FB=INSTR(Q1$,"-C")0RF4:F3=INSTR(Q
1$,"-W")0RF4:F6=INSTR(Q1$,"-L")0RF4:F7=INSTR(Q1$,"-N")0RF4:F9=INSTR(Q1$,"-R")0RF
4
3070 Z=1:GOTO4270
3080 POKEOU,TS0RS:PRINT"<MID$(STR$(CVI(MN$)),2);:IFF9THENPRINTPT$;
3090 PRINT"> - ";:A$=TT$:GOSUB3:PRINTA$;:IFRC$="P"THENPRINT" [Pnd"CHR$(93);ELSE
IFRC$="R"THENPRINT" [RCv"CHR$(93);
3100 IFF7THENPRINT" ("MID$(STR$(ASC(NL$)),2)" line";:IFASC(NL$)=1THENPRINT")"EL
SEPRINT"s)"ELSEPRINT
3110 IFF5=0ANDF8=0THEN3140
3120 PRINT" ";:IFF8THENA$=SD$:GOSUB3:PRINT"From: ";:IFNOTG60R(PEEK(OU+10)A
ND4)THENPRINTA$" ";ELSEPRINT"Anonymous ";
3130 IFF5THENPRINT"Time: ";:IFNOTG60R(PEEK(OU+10)AND4)THENPRINTFNI$(TM$)ELSEPRIN
T" <Not available>"ELSEPRINT
3140 IFF3THENA$=WT$:GOSUB3:PRINT" To: "A$
3150 IFF6THENIFCVI(NR$)=0ANDCVI(PM$)=0THEN3190ELSEPRINT" ";ELSE3190
3160 PRINT"(";:IFCVI(PM$)<>0THENPRINT"P-ref: "STR$(CVI(PM$));:IFCVI(NR$)<>0THENPR
INT", ";
3170 IFCVI(NR$)<>0THENPRINT"N-ref: "STR$(CVI(NR$));
3180 PRINT")"
3190 IFPEEK(OU)<>(TS0RS)THENPOKEOU,TS:PRINT:PRINT"<Aborted>":CLOSE2,4:GOTO10
3200 RETURN
3210 F3=INSTR(Q1$,"-R")0RINSTR(Q1$,"-A")
3220 Z=0:GOTO4270
3230 PRINTN3"Message";:IFN3<>1THENPRINT"s";
3240 IFF3THENIFN3=0THENGET4,1:PRINT" - Number"XELSEGET4,1:X=CVI(MN$):GET4,N3:PRI
NT" - "X"to"CVI(MN$)ELSEPRINT

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3250 RETURN
3260 F5=INSTR(Q1$, "-R") ORINSTR(Q1$, "-A") : Z=2: GOTO4270
3270 IFVDTHENPRINTCL$ "Group: " G9$ELSEPRINT
3280 PRINT:POKEOU,TSOR8:A$=TT$:GOSUB3:PRINT"<"MID$(STR$(CVI(MN$)),2) :: IFF5THENPR
INTFT$;
3290 PRINT"> - "A$:: IFRC$="P"THENPRINT" [Pend"CHR$(93); ELSE IFRC$="R"THENPRINT"
[Recv"CHR$(93);
3300 PRINT" ("MID$(STR$(ASC(NL$)),2) " line";:: IFASC(NL$)<>1THENPRINT":: "ELSEPRIN
T") "
3310 A$=SD$:GOSUB3:PRINT"From: ";:: IFNOTG60R(PEEK(OU+10)AND4)THENPRINTA$" ";
ELSE
PRINT"Anonymous ";
3320 A$=WT$:GOSUB3:PRINT"To: "A$
3330 PRINT"Time: ";:: IFNOTG60R(PEEK(OU+10)AND4)THENPRINTFNI$(TM$)ELSEPRINT"<Not a
available>"
3340 PRINT"-----"
3350 GET1,!$CVS(P$)
3360 LINEINPUT#1,A$::IFA$<>CHR$(255)THENIFPEEK(OU)<>(TSOR8)THEN3370ELSEPRINTA$:GO
TO3360
3370 POKEOU,TS:PRINT"-----"
3380 IFCVI(NR$)=0ANDCVI(PM$)=0THEN3420
3390 IFCVI(NR$)THENPRINT"N-Ref: "CVI(NR$)::IFCVI(PM$)THENPRINT" ";
3400 IFCVI(PM$)THENPRINT"P-Ref: "CVI(PM$);
3410 PRINT
3420 A$=WT$:GOSUB3:IFA$<>"A11"ANDPT$="R"THENPRINT"Please kill this message if yo
u don't need it anymore."
3430 IFA$<>(A1$+" "+A2$)ORRC$<>"P"THEN3490
3440 PRINT:PRINT"(Noting received message)": IFPT$="R"THEN3470ELSEI=0:CLOSE2:FD=2
:GOSUB18:A5$=WT$:GOSUB3
3450 I=INSTR(I+1,A5$, " "):IFI=0THEN3480ELSEF1$=LEFT$(A5$,I-1):L1$=MID$(A$,I+1):G
OSUB7
3460 IFNOTF1THEN3450ELSESETMW$=CHR$(ASC(MW$)-1):PUT2,M:IFA$=(A1$+" "+A2$)THENMW
=ASC(MW$)
3470 LSETRC$="R":PUT4,X
3480 CLOSE2:FD=4:IFWCTHENFD=2:GOSUB19:FD=4
3490 PRINT:PRINT#"MID$(STR$(CVI(MN$)),2)::IFX=N3THENPRINT"-L";
3500 PRINT") - Enter <#,A,B,F,K,L,N,P,Q,S,R,?>: ":";ML=5:GOSUB6:GOSUB3:GOSUB4:IFA
$=""THEN3800
3510 IFLEFT$(A$,1)!="!"ANDPEEK(OU+10)AND4THENONINSTR("RSWFNPMDT",MID$(A$,2,1))GOT
03680,3690,3700,3710,3720,3730,3740,3750,3770
3520 IFLEFT$(A$,1)="#THENA$=MID$(A$,2):IFA$=""THEN3490
3530 IFVAL(A$)<>0THENW=VAL(A$):GOTO3660
3540 A$=LEFT$(A$,1):ONINSTR("FNBRQ?KPLAS",A$)GOTO3640,3800,3820,3270,3860,3870,3
910,3840,3780,3560,3790
3550 GOTO3490
3560 IFMB=0THEN3580
3570 PRINT:PRINT"You already have a message in the buffer...if you proceed,:PRI
NT"any text previously entered will be lost.":PRINT"Ok to send message? ":"ML=1:G
OSUB6:GOSUB4:IFA$<>"Y"THEN3490
3580 IFMBTHENFORW=1TOOP:D$(W)="":NEXTW:MB=0
3590 VW=PEEK(OU+2):VY=VW:G7=CVI(MN$):A$=WT$:GOSUB3:IFA$="A11"THENH1$=A$::MG$="K"E
LSEIFA5$="Y"THENH1$="A11":MG$="K":ELSEA$=SD$:GOSUB3:H1$=A$::MG$=PT$:
3600 CLOSE1,2,4:PRINT:F2=0:GOSUB1320
3610 IFWCTHENFD=2:GOSUB19:FD=4
3620 A3$="G"+CHR$(LV+48)+MID$(STR$(G8),2):A$=A3$+"/TTL":GOSUB16
3630 OPEN"I",1,A3$+"/GRF":GET4,X:PRINT:GOTO3370
3640 IFCVI(NR$)=0THENPRINT"No N-Ref message!":GOTO3490
3650 W=CVI(NR$)
3660 F2=X:GOSUB4850:IFF1THENX=M-1:RETURN
3670 PRINT"Message #"MID$(STR$(W),2)" does not exist!":X=F2:GET4,X:GOTO3490
3680 PRINT"New protection? ":"ML=1:GOSUB6:GOSUB4:IFA$=""THEN3490ELSEIFA$<>"K"AND

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A$<>"P"ANDA$<>"R"THEN3680ELSESETPT$=A$:PUT4,X:GOTO3490
3690 PRINT"New subject? ";:ML=40:GOSUB6:GOSUB3:IFA$=""THEN3490ELSESETTT$=A$:PUT
4,X:GOTO3490
3700 PRINT"Who to? ";:ML=25:GOSUB6:GOSUB5:GOSUB3:IFA$=""THEN3490ELSESETWT$=A$:P
UT4,X:GOTO3490
3710 IF(PEEK(OU+10)AND128)=0THENPRINT"Illegal remote sysop function!":GOTO3490EL
SEPRINT"Who from? ";:ML=25:GOSUB6:GOSUB5:GOSUB3:IFA$=""THEN3490ELSESETSD$=A$:PU
T4,X:GOTO3490
3720 PRINT"New N-Ref? ";:ML=5:GOSUB6:GOSUB3:IFA$=""THEN3490ELSESETNR$=MKI$(VAL(
A$)):PUT4,X:GOTO3490
3730 PRINT"New P-Ref? ";:ML=5:GOSUB6:GOSUB3:IFA$=""THEN3490ELSESETPM$=MKI$(VAL(
A$)):PUT4,X:GOTO3490
3740 PRINT"New message number? ";:ML=5:GOSUB6:GOSUB3:IFA$=""THEN3490ELSESETMN$=
MKI$(VAL(A$)):PUT4,X:GOTO3490
3750 PRINT"Are you sure??? ";:ML=1:GOSUB6:GOSUB3:GOSUB4:IFA$<>"Y"THEN3490
3760 FORW=XTON3-1:GET4,W+1:PUT4,W:NEXTW:W=LOC(4)%-L3:PUT4,!#W:PUT4,&&:N3=N3-1:IF
N3=0THENCLOSE1,2,4:GOTO10ELSEGET4,X:GOTO3490
3770 PRINT"New time? ";:ML=21:GOSUB6:GOSUB5:IFA$=""THEN3490ELSEGO SUB13:LSETTM$=S
1$:PUT4,X:GOTO3490
3780 X=N3-1:RETURN
3790 X=N3:RETURN
3800 IFX=N3ANDNOTWCTHENPRINT:PRINT"--> End of messages <--"
3810 RETURN
3820 IFCVI(PM$)=0THENPRINT"No P-Ref message!":GOTO3490
3830 W=CVI(PM$):GOTO3660
3840 IFX=1THENPRINT"No previous message!":GOTO3490
3850 X=X-2:RETURN
3860 CLOSE1,2,4:GOTO10
3870 PRINT"Choose one of:":PRINT:PRINT"<#> - Jump to that msg #":PRINT"<A> - Ans
wer (reply to) this message":PRINT"<B> - Backward link (Follow P-Refs)":PRINT"<F
> - Forward link (Follow N-Refs)":PRINT"<K> - Kill message"
3880 PRINT"<L> - Last message in group":PRINT"<N> - Next message":PRINT"<P> - Pr
evious message"
3890 PRINT"<Q> - Quit":PRINT"<R> - Re-read current message":PRINT"<S> - Skip thi
s group":PRINT"<?> - Display this help"
3900 GOTO3490
3910 IF(PEEK(OU+10)AND4)ORWT$=FNP$(A1$+" "+A2$,25)THEN3980ELSEIF(PEEK(OU+10)AND3
2)AND(PT$="N")ORSD$=FNP$(A1$+" "+A2$,25)THEN3980
3920 IFPEEK(OU+10)AND32THENPRINT"You can't kill this message!"ELSEPRINT"You may
only kill E-Mail!"
3930 GOTO3490
3940 Z=3:GOTO4270
3950 IF(PEEK(OU+10)AND4)ORWT$=FNP$(A1$+" "+A2$,25)THEN3960ELSEIF(PEEK(OU+10)AND3
2)=0THENRETURNELSEIFPT$="N"ORSD$=FNP$(A1$+" "+A2$,25)THEN3960ELSERETURN
3960 A$=TT$:GOSUB3:PRINT"<MID$(STR$(CVI(MN$)),2)"> - "A$":PRINT
3970 PRINT"Kill this message? ";:ML=1:GOSUB6:GOSUB4:IFA$="Q"THENCLOSE1,2,4:GOTO1
0ELSEIFA$<>"Y"THENRETURN
3980 PRINT"Killing message...":A$=WT$:GOSUB3:U1$=A$:U2$=PT$
3990 I=CVI(NR$):F2=CVI(PM$)
4000 CLOSE2:A4$="G"+CHR$(LV+48)+MID$(STR$(68),2)+"/GRP":OPEN"E",2,"KILLLOG/TFC:
"+D4$
4010 PRINT#2,"Message killed on "FNG$" by "A1$" "A2$:PRINT#2,"Group: "G9$" -- 
Message #"CVI(MN$);:A$=TT$:GOSUB3:PRINT#2," Subj: "A$:A$=SD$:GOSUB3:PRINT#2,"Fr
om: "A$" To: ";:A$=WT$:GOSUB3:PRINT#2,A$" Prot: "PT$
4020 PRINT#2,"Time sent: "FNI$(TM$):PRINT#2,"Message:"
4030 A!=CVS(PS$):GET1,!$A!
4040 LINEINPUT#1,A$:IFA$<>CHR$(255)THENPRINT#2,A$:GOTO4040ELSEPRINT#2,"--- End o
f message ---":PRINT#2,:PRINT#2,:CLOSE2:OPEN"O",2,A4$:GET2,!$A!:PUT2,!#A!:A!=LOC
(1)!-A!
4050 IFEEOF(1)THEN4070

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4060 LINEINPUT#1,A$:PRINT#2,A$:IFA$<>CHR$(255)THEN4060ELSE4050
4070 PUT2,&&:CLOSE1,2:OPEN"1",1,A4$
4080 IFF2ORI1THENPRINT"Relinking... "
4090 IFF2THENW=F2:GOSUB4850:IFF1THENLSETNR==MKI$(I):PUT4,MELSEPRINT"Linking error!"
4100 IFITHENW=I:GOSUB4850:IFF1THENLSETPM==MKI$(F2):PUT4,MELSEPRINT"Linking error!"
4110 PRINT"Killing title...":IFX<>N3THENFORW=XTON3-1:GET4,W+1:LSETPS==MK$$(CVS(P$)-A!):PUT4,W:NEXTW
4120 W=LOC(4)%-L3:PUT4,!#W:PUT4,&&
4130 IFU1$=="A11"OR(RC$=="R"ANDPT$=="K")THEN4220
4140 FD=2:GOSUB18:I=0
4150 I=INSTR(I+1,U1$,":"):IFI=0THEN4210
4160 F1$=LEFT$(U1$,I-1):L1$=MID$(U1$,I+1):GOSUB7
4170 IFNOTE1THEN4150
4180 IFU2$=="R"THENLSETEW$=CHR$(ASC(EW$)-1)ELSESETMW$=CHR$(ASC(MW$)-1)
4190 IFU1$=(A1$+" "+A2$)THENEW=ASC(EW$):MW=ASC(MW$)
4200 PUT2,M
4210 CLOSE2:FD=4
4220 X=X-1
4230 IFWCTHENFD=2:GOSUB19:FD=4
4240 N3=N3-1
4250 PRINT"Message killed."
4260 RETURN
4270 I=INSTR(Q1$,"-G"):IFI=0THENGB=GN:G9$=GR$:G9=GR:G6=GA:IFBR$=""THENGOSUB4830:GOTO4290ELSE4300
4280 A$=MID$(Q1$,I+2):GOSUB27:IFF1THEN10ELSEIFA$=="THENCLOSE4:GOSUB4830
4290 G9=Y:G8=X:G9$=A$:G6=AN
4300 FA=INSTR(Q1$,"-M")
4310 GOSUB4780
4320 WC=0:IFG9$<>"*"THENPRINTCL$:GOSUB4370:GOTO010
4330 WC=-1:FD=2:GOSUB19:FD=4:FORY=1TON5:GET2,Y:A$=G$:GOSUB3:G9$=A$:G6=AN$="Y":IFVDTHENA$="Scanning:"+STR$(Y)+" - "+G9$:PRINTCL$FNAT$((WD-LEN(A$))/2,0)A$ELSEPRINT"Group Y" - "G9$">
4340 PRINT:G8=CVI(GN$):G9=Y:GOSUB4370
4350 NEXTY
4360 CLOSE2:GOTO010
4370 A$="G"+CHR$(LV+48)+MID$(STR$(G8),2)"/TTL":GOSUB16
4380 IFZ=20RZ=3THENA$="G"+CHR$(LV+48)+MID$(STR$(G8),2)"/GRP":OPEN"1",1,A$
4390 IFZ=0THENGOSUB3230:CLOSE4:RETURN
4400 IFN3=0THENCLOSE1,4:RETURN
4410 X=1:IFS1=32767THENX=N3:GOTO4470ELSEIFS1<>1THENW=S1:GOSUB4850:IFF1THENX=M:GOT04470ELSEX=M+1:GOT04470
4420 IFS2$=STRING$(5,0)THEN4480
4430 L=N3:R=1
4440 X=INT((R+L)/2):IFR>LTHENX=X+1:GOT04470ELSEGET4,X:IFTM$=S2$THEN4470
4450 IFTM$<S2$THENR=X+1ELSE=L-X-1
4460 GOT04440
4470 IFX<1THENX=1ELSEIFX>N3THEN4540
4480 GET4,X:IFCVI(MN$)>S2THEN4530
4490 IFFATHENIFWT$<>FNP$(A1$+" "+A2$,25)THEN4530
4500 IFPT$<>"R"THEN4520
4510 IF(PEEK(OU+10)AND4)OR(WT$=FNP$(A1$+" "+A2$,25))OR(SD$=FNP$(A1$+" "+A2$,25))THEN4520ELSE4530
4520 ONZGOSUB3080,3270,3950
4530 X=X+1:IFX<=N3THEN4480
4540 CLOSE1,4:RETURN
4550 IFQ1$=""THENIFGR$=""THENPRINT"Current group: Not defined":GOT010ELSEPRINT"Current group: ";IFGR$=""*THENPRINT" ** Search All **":GOT010ELSEPRINTGR"- "GR$;IFGATHENPRINT"(Anon)":GOT010ELSEPRINT:GOT010

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4560 A$=Q1$: GOSUB27: IFF1THEN10ELSEIFGR=YANDGR$<>"?"ANDA$<>"?"ANDGR$<>"*"ANDA$<>""
*"THENPRINT" Group '"GR$"' is already the current group!" : GOTO10ELSEGN=X: GR=Y: GR$=A$: GA=AN: Q1$="" : GOTO4550
4570 K=INSTR(Q1$, "-A") ORINSTR(Q1$, "-C") : J=INSTR(Q1$, "-A") ORINSTR(Q1$, "-T") : M=(INSTR(Q1$, "-N") ORINSTR(Q1$, "-A")) AND (PEEK(OU+10) AND4) <>0
4580 GOSUB4780: GOSUB4590: GOTO10
4590 Y=0: GOSUB19: IFN5=0 THENPRINT "There are no active groups!": CLOSE4: RETURN
4600 IFS1>N5THEN S1=N5ELSE IFS1<1 THEN S1=1
4610 IFS2>N5THEN S2=N5ELSE IFS2<1 THEN S2=1
4620 POKEOU, TSOR8
4630 FORX=S1 TO S2: GET4, X: IFTC$<S2$ THEN4690
4640 IFNOTYTHENPRINT "Active groups": Y=-1
4650 A$=B$: GOSUB3: PRINTX"- "A$: : IFAN$=="Y" THENPRINT" (Anon)" ELSEPRINT
4660 IFK=0 ANDJ=0 THEN4680 ELSEPRINT" Created "; : IFJPRINTFNI$(TC$)" "
4670 IFKTHENA$=CR$: GOSUB3: PRINT"by "A$ELSEPRINT
4680 IFMTHENPRINT"#" "CVI(GN$)
4690 IFPEEK(OU)<>(TSOR8) THENPOKEOU, TS: PRINT: PRINT"** Aborted **": X=N5
4700 NEXTX: CLOSE4: IFNOTYTHENPRINT "No groups with those specifications!": GOTO10ELSERETURN
4710 X=0: Y=0: F1=-1: GOSUB19: IFN5=0 THENCLOSE4: PRINT "There are no active groups!": RETURNELSEGOSUB11: IFA$=="": THENF1=0: CLOSE4: RETURN
4720 IFA$=="": X=0: Y=0: F1=0: RETURN
4730 IFA$==" THENPRINT "Null group name illegal!": RETURN
4740 IFVAL(A$)<>0 THENY=VAL(A$): IFY>=N5 THENGET4, Y: GOTO4760 ELSEPRINT "Group number out of range!": CLOSE4: RETURN
4750 A$=FNP$(A$, 30): FORY=1 TO N5: GET4, Y: IFG$=A$ THENCMD "F=POPN" ELSENEXTY: GOTO4770
4760 X=CVI(GN$): A$=B$: GOSUB3: CLOSE4: F1=0: RETURN
4770 GOSUB3: FORY=1 TO N5: GET4, Y: IFLEFT$(G$, LEN(A$))=A$ THENCMD "F=POPN": GOTO4760 ELSE
NEXTY: PRINT "Group '"A$"' does not exist!": CLOSE4: F1=-2: RETURN
4780 S2$=STRING$(5, 0): S1=1: S2=32767: I=INSTR(Q1$, "-E"): IFITHENS1=VAL(MID$(Q1$, I+2)): S2=S1: GOTO4820 ELSEI=INSTR(Q1$, "-F"): IFITHENS1=32767: S2=S1: GOTO4820
4790 I=INSTR(Q1$, "-B"): IFITHENS2=VAL(MID$(Q1$, I+2))
4800 I=INSTR(Q1$, "-P"): IFITHENS1=VAL(MID$(Q1$, I+2))
4810 I=INSTR(Q1$, "-S"): IFITHENIFS1<>1 THENPRINT "-S and -F cannot both be specified!": GOTO10ELSEA$=MID$(Q1$, I+2): GOSUB13: S2$=S1$
4820 IFS1<1 OR S2<1 OR S1>S2 THENPRINT "Illegal range!": GOTO10ELSERETURN
4830 PRINT "Group ('?' for list): "; : ML=30: GOSUB6: GOSUB3: IFA$==" THEN10ELSEIFLEFT$(A$, 1)="?": THENM=0: K=0: J=0: S1=1: S2=32767: S2$=STRING$(5, 0): GOSUB4590: GOTO4830
4840 GOSUB27: IFF1THEN4830 ELSERETURN
4850 L=N3: R=1: F1=0
4860 M=INT((R+L)/2): IFR>L THENRETURN ELSEGET4, M: IFCVI(MN$)=W THENF1=-1: RETURN
4870 IFCVI(MN$)<W THENR=M+1 ELSEL=M-1
4880 GOTO4860

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***** UPDOWN *****
1000 IFINSTR(Q1$, "-Z") AND (PEEK(OU+9) AND 16)=16 THEN PR=1 ELSE PR=0
1010 I=INSTR(Q1$, "-L") : IF I THEN V1$=MID$(Q1$, I+2) : GOTO 1140
1020 IFINSTR(Q1$, "-?") THEN 1120
1030 I=INSTR(Q1$, "-U") : IF I THEN Q1$=MID$(Q1$, I+2) : GOTO 1510
1040 I=INSTR(Q1$, "-D") : IF I THEN Q1$=MID$(Q1$, I+2) : GOTO 2030
1050 PRINT "File transfer...""
1060 PRINT: IF PEEK(OU+11)=255 THEN PRINT "<Unlimited>": TR=255 ELSE TR=PEEK(OU+11)-FNE(ST$, FNH$): IF TR<=0 THEN PRINT: PRINT "*** Login time limit exceeded ***": A3$="Time limit exceeded": A$="0": GOTO 12 ELSE PRINT "<"MID$(STR$(TR), 2)" Min Remaining>"
1070 PRINT "Enter <D, L, Q, U, ?>: "; ML=50: GOSUB 6: GOSUB 4: GOSUB 3
1080 IFFLTHENPRINT#3, TIME$"- Ft: "A$
1090 V$=LEFT$(A$, 1): Q1$=MID$(A$, 2): V1$=Q1$: IF V$="" THEN 1060
1100 ONINSTR("LQ?UD", V$) GOTO 1140, 10, 1120, 1510, 2030
1110 GOTO 1060
1120 PRINT "Choose one of:" : PRINT: PRINT "<D> - Download a file": PRINT "<L> - List download categories": PRINT "<Ln> - List downloads in category n": PRINT "<Q> - Quit"
1130 PRINT "<U> - Upload a file": PRINT "<?> - Display this help": GOTO 1060
1140 S1$=STRING$(5, 0): S1=1: S2=9999
1150 IFINSTR(Q1$, "-P")<>0 AND INSTR(Q1$, "-S")<>0 THEN PRINT "-S and -P cannot both be specified!": GOTO 1060
1160 I=INSTR(Q1$, "-P") : IF I THEN S1=VAL(MID$(Q1$, I+2))
1170 I=INSTR(Q1$, "-S") : IF I THEN A$=MID$(Q1$, I+2) : GOSUB 13
1180 I=INSTR(Q1$, "-B") : IF I THEN S2=VAL(MID$(Q1$, I+2))
1190 I=INSTR(Q1$, "-E") : IF I THEN S1=VAL(MID$(Q1$, I+2)): S2=S1
1200 IFS1<10RS1>S2RS1<>INT(S1) ORS2<>INT(S2) THEN PRINT "Illegal range!": CLOSE 1: GOTO 1060
1210 F6=INSTR(Q1$, "-A") : F2=INSTR(Q1$, "-T") OR F6: F3=INSTR(Q1$, "-C") OR F6: F4=INSTR(Q1$, "-N") OR F6: F5=INSTR(Q1$, "-M") OR F6
1220 A$=V1$: GOSUB 3: IF LEFT$(A$, 1)="*" THEN 1240 ELSE IF VAL(V1$) THEN 1290
1230 F9$="DWNCATS"+CHR$(PR+48)+"/TFC": GOSUB 8: GOTO 1060
1240 OPEN "I", 1, "DWNCATS"+CHR$(PR+48)+"/TFC"
1250 LINEINPUT#1, A$: IF EOF(1) THEN 1270
1260 IF VAL(A$)=0 THEN 1250 ELSE DG=VAL(A$): GOSUB 1330: GOTO 1250
1270 CLOSE 1: IF PEEK(OU+10) AND 4 THEN A$="999 - Uncategorized Uploads": DG=999: GOSUB 1330
1280 GOTO 1060
1290 DG=VAL(V1$): OPEN "I", 4, "DWNCATS"+CHR$(PR+48)+"/TFC"
1300 LINEINPUT#4, A$: IF VAL(A$)=DG THEN CLOSE 4: GOSUB 1330: GOTO 1060
1310 IF EOF(4) THEN IF DG=999 AND (PEEK(OU+10) AND 4) THEN A$="999 - Uncategorized Uploads": CLOSE 4: GOSUB 1330: GOTO 1060 ELSE PRINT "That category does not exist!": CLOSE 4: GOTO 1060
1320 GOTO 1300
1330 POKE OU, TSOR8: GOSUB 15: CLOSE 4: IF N2=0 THEN PRINT: PRINT A$ " is empty!": GOTO 1490
1340 PRINT: PRINT "Available downloads: "A$: PRINT
1350 PRINT "# Description"; : IFF5THENPRINT" Bytes/ Sec/ M
in"ELSEPRINT
1360 PRINT "----- -----"; : IFF5THENPRINT" -----
--"ELSEPRINT
1370 GOSUB 15: M=S1: J=S2: IF J>N2 THEN J=N2
1380 IFS1$=STRING$(5, 0) THEN 1410
1390 FORM=1 TO N2: GET 4, M: IF TM$<S1$ THEN NEXT M: PRINT "(No downloads since then)": CLOSE 4: GOTO 1490
1400 CMD" F=POPN"
1410 FOR X=M TO J: GET 4, X: Y=CVI(SZ$)
1420 IFF5THENPRINT USING "###! %" % ##### ! ##### ! ####. ####"

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; X; BI$; DS$; Y*256; "/" ; Y*256/30; "/" ; Y*256/1800ELSEA$=DS$: GOSUB3: PRINT USING "###! !";
X; BI$; :PRINTA$;
1430 IFF2=0ANDF3=0THEN1460
1440 PRINT" Created ";:IFF2THENPRINTFNI$(TM$)" ";
1450 IFF3THENA$=CR$: GOSUB3: PRINT"by "A$ELSEPRINT
1460 IFF4THENPRINT" Downloaded"CVI(TD$)"time(s)"
1470 IFPEEK(OU)<>(TSOR8)THENCMD" F=POPS":CLOSE1,4:POKEOU,TS:GOT01060
1480 NEXTX:CLOSE4
1490 IFPEEK(OU)<>(TSOR8)THENCMD" F=POPS":CLOSE1,4:POKEOU,TS:GOT01060
1500 RETURN
1510 DF=0: IFPEEK(OU+9) AND32THEN1520ELSEPRINT"I'm sorry, but you may not upload f
iles!":GOT01060
1520 IF(PEEK(OU+10)AND132)<>132THEN1560
1530 PRINT"Direct file upload? ";:ML=1:GOSUB6:GOSUB4:IFA$="Y"THEN1540ELSEIFA$<>"N"THEN1530ELSE1560
1540 PRINT"File name? ";:ML=21:GOSUB6:GOSUB3:GOSUB4:IFA$=""THEN1060
1550 DF=-1:A3$=A$:QW$="Ft: Direct upload of: "+A3$:GOT01640
1560 DG=999
1570 PRINT"Please enter a short one-line description of the file:"
1580 POKEOU+1,TAAND223:PRINT")==>";:ML=32:GOSUB6:GOSUB3:IFA$=""THEN1060
1590 A4$=A$
1600 QW$="Ft: Upload of: "+A$
1610 GOSUB15:IFN2=0THENX=1ELSEGET4,N2:X=CVI(DN$)+1
1620 CLOSE4
1630 A3$="D"+CHR$(PR+48)+RIGHT$("000"+MID$(STR$(DG),2),3)+RIGHT$("000"+MID$(STR$(X),2),3)+"/TFC":IFFRTHENA3$=A3$+D3$ELSEA3$=A3$+D2$
1640 PRINT:PRINT"Enter upload method <A,H,M,Q,X,?> ";:ML=1:GOSUB6:GOSUB4:IFA$=""THEN1640
1650 IFINSTR("AMXH",A$)THENQW$=QW$+" (using "+A$+)":GOSUB26
1660 ONINSTR("AMQX?H",A$)GOT01790,1710,1060,1690,1680,1780
1670 GOT01640
1680 PRINT"Choose one of:";PRINT:PRINT"<A> - ASCII";PRINT"<H> - Hex file in ASCI
I";PRINT"<M> - Modem 1.0/1.1";PRINT"<Q> - Quit";PRINT"<X> - XMODEM";PRINT"<?> - "
Display this help":GOT01640
1690 PRINT:PRINT:PRINT"Awaiting XMODEM upload...":PRINT
1700 POKEOU,TSAND228:CMD"XMODEM R "+A3$:GOT01730
1710 PRINT:PRINT:PRINT"Awaiting MODEM upload...":PRINT
1720 POKEOU,TSAND228:CMD"MODEM R.0 "+A3$
1730 IFDFTHENDF=0:GOT01060ELSEOPEN"R",4,A3$:Y=LOF(4):CLOSE4
1740 GOSUB15:LSETDS$=A4$:LSETSZ$=MKI$(Y):LSETDN$=MKI$(X):LSETTM$=FNH$:LSETCR$=A1
$+" "+A2$:LSETTD$=MKI$(0):LSETBI$=" "
1750 PUT4,N2+1:CLOSE4
1760 GOSUB18:GET4,UN:LSETNU$=MKI$(CVI(NU$)+1):PUT4,UN:CLOSE4
1770 TU=TU+1:UP=UP+1:POKEOU,TS:GOT01060
1780 F1=-1:GOT01800
1790 F1=0
1800 IFNOTVDTHEN1830
1810 PRINT:PRINT"Press RETURN when you are ready to start transmitting.":ML=0:GO
SUB6:F2=-1
1820 PRINTCHR$(27)CHR$(27)"D*END*":PRINTCHR$(27)CHR$(27)"C":GOT01860
1830 PRINT"Use a P)rompt character or X)on/Xoff? ";:ML=1:GOSUB6:GOSUB4:IFA$<>"P"
ANDA$<>"X"THEN1830
1840 F2=0:IFA$="P"THENF2=-1
1850 PRINT:PRINT:PRINT"Ready for upload...type '*END*' at the beginning of a lin
e to":PRINT"end the file, or '*ABORT*' to abort a garbled upload.":IFF2THENPRINT
"Please use a prompt character of '>'."
1860 POKEOU+4,255:POKEOU+1,(TAOR4)AND223:IFF2=0THENPOKEOU,TSAND254
1870 OPEN"O",4,A3$:IFF2THENJ=256:POKEOU,TS:PRINTCHR$(17):POKEOU,TSAND254
1880 IFVDTHENPRINTCHR$(27)CHR$(27)"Y>"
1890 IFF2THENPRINT">":
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1900 IFF1ANDNOTF2THENJ=256
1910 NAME0A\$: IFF2THEN1930ELSEIFNOTF1THENJ=J+LEN(A\$)+1
1920 IFJ>255THENPOKEOU,TS:PRINTCHR\$(19);:POKEOU,TSAND254:FORY=1TO40:NEXTY
1930 IFA\$=CHR\$(255)THEN1980ELSEIFA\$="*END*"ORAS="*End*"ORAS="*end*"THEN1970ELSEI
FA\$="*ABORT*"ORAS="*Abort*"ORAS="*abort*"THEN1980
1940 IFF1THEN1990ELSEPRINT#4,A\$
1950 IFJ>255THENPOKEOU,TS:PRINTCHR\$(17);:POKEOU,TSAND254:J=J-256
1960 GOTO1890
1970 CLOSE4:POKEOU,TS:IFF2THEN1730ELSEPOKEOU,TS:PRINTCHR\$(17);:POKEOU,TSAND254:G
OT01730
1980 CLOSE4:KILLA3\$:POKEOU,TS:PRINT"-- Upload ABORTED --":IFF2THEN10ELSEPRINTCHR
\$(17);:GOTO1060
1990 IFA\$=""THEN1950ELSEFORY=1TOLEN(A\$)STEP2:A5\$=MID\$(A\$,Y,1):Z=ASC(A5\$+CHR\$(0))
-48:IFZ>9THENZ=Z-7
2000 A5\$=MID\$(A\$,Y+1,1):F3=ASC(A5\$+CHR\$(0))-48:IFF3>9THENF3=F3-7
2010 Z=Z*16+F3:PRINT#4,CHR\$(Z);:NEXTY
2020 GOTO1950
2030 IF(PEEK(OU+9)AND15)=0THENPRINT"I'm sorry, but you may not receive downloads
.":GOTO1060
2040 IFDL=(PEEK(OU+9)AND15)THENPRINT"You have reached your quota of downloads fo
r this call.":GOTO1060
2050 IF(PEEK(OU+10)AND132)<>132THEN2090
2060 PRINT"Direct file download? ";:ML=1:GOSUB6:GOSUB3:GOSUB4:IFA\$="Y"THEN2070EL
SEIFA\$<>"N"THEN2060ELSE2090
2070 PRINT"File name? ";:ML=21:GOSUB6:GOSUB3:GOSUB4:IFA\$=""THEN1060
2080 A3\$=A\$:QW\$="Ft: Direct download of: "+A3\$:GOSUB26:DF=-1:GOTO2220
2090 DG=VAL(Q1\$):IFDG=0THENPRINT"Category to download from? ";:ML=3:GOSUB6:GOSUB
3:IFA\$=""THEN2090ELSEDG=VAL(A\$)
2100 OPEN"I",4,"DWNCATS"+CHR\$(PR+48)"/TFC"
2110 LINEINPUT#4,A\$:IFVAL(A\$)=DGTHENCLOSE4:GOTO2130
2120 IFEDF(4)THENIFDG=999AND(PEEK(OU+10)AND4)THENA\$="999 - Uncategorized Uploads
":CLOSE4:GOTO2130ELSEPRINT"That category does not exist!":CLOSE4:GOTO1060ELSE211
0
2130 GOSUB15:CLOSE4:IFN2=0THENPRINT"Empty category!":GOTO1060
2140 PRINT"Downloading from: "A\$
2150 PRINT"Which file would you like? ";:ML=3:GOSUB6
2160 IFVAL(A\$)<10RVAL(A\$)>N20RVAL(A\$)<>INT(VAL(A\$))THENPRINT"Illegal download nu
mber!":GOTO1060
2170 X=VAL(A\$)
2180 GOSUB15:GET4,X:A\$=DS\$:GOSUB3:PRINT"Downloading: "A\$:CLOSE4:A3\$="D"+CHR\$(PR+
48)+RIGHT\$("000"+MID\$(STR\$(DG),2),3)+RIGHT\$("000"+MID\$(STR\$(CVI(DN\$)),2),3)"/TF
C"
2190 Y=CVI(SZ\$):PRINT:PRINTUSING"This file will take ####.# minutes to download."
;Y*256/1800:IFY*256/1800+1>TRTHENPRINT:PRINT"I'm sorry, but you do not have time
to download this file.":GOTO1060
2200 QW\$="Ft: Download of: "+A\$+" from #"+STR\$(DG)+" (using "
2210 IFBI\$="B"THENPRINT>Note: This file is in binary format."
2220 PRINT:PRINT"Enter download method <A,H,M,Q,X,?>: ";:ML=1:GOSUB6:GOSUB4:IFA\$
=""THEN2220
2230 IFINSTR("AMXH",A\$)THENQW\$=QW\$+A\$+":":GOSUB26
2240 ONINSTR("AMQX?H",A\$)GOTO2280,2420,10,2390,2260,2450
2250 GOTO2220
2260 PRINT"Choose one of:":PRINT:PRINT"<A> - ASCII":PRINT"<H> - Hex conversion i
n ASCII":PRINT"<M> - Modem 1.0/1.1":PRINT"<Q> - Quit":PRINT"<X> - XMODEM":PRINT"
<?> - Display this help"
2270 GOTO2220
2280 IFBI\$="B"THENPRINT"I'm sorry, but you must use a binary protocol for this f
ile.":GOTO2220
2290 PRINT"Do you wish me to control your buffer for you? ";:ML=1:GOSUB6:GOSUB4:
IFA\$="Y"THENF2=-1ELSEF2=0

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2300 IFVDANDF2THEN2330
2310 PRINT:PRINT"Prepare to receive ASCII transfer":PRINT
2320 F0RY=1TO1000:NEXTY
2330 VY=PEEK(OU+2):POKEOU+2,255:POKEOU,TS0R8:POKEOU+1,TAAND223
2340 OPEN"I",4,A3$:IFF2THENIFVDTHENPRINTCHR$(27)CHR$(27)"Z"CHR$(27)CHR$(27)"0";EL
LSEPRINTCHR$(18);
2350 LINEINPUT#4,A$:PRINTA$:IFEEOF(4)ORPEEK(OU)<>(TS0R8)THENCLOSE4ELSE2350
2360 POKEOU,TS:POKEOU+2,VY:IFF2THENIFVDTHENPRINTCHR$(27)CHR$(27)"C";ELSEPRINTCHR
$(20);ELSEFORY=1TO1000:NEXTY
2370 POKEOU+1,TA:PRINT"-- Download complete --"
2380 IFDFTHENDF=0:GOTO1060ELSEGOSUB15:GET4,X:LSETTD$=MKI$(CVI(TD$)+1):PUT4,X:CL0
SE4:DL=DL+1:GOSUB18:GET4,UN:LSETND$=MKI$(CVI(ND$)+1):PUT4,UN:CLOSE4:GOTO1060
2390 PRINT:PRINT"Ready to transmit with XMODEM...":PRINT
2400 POKEOU,TSAND228:CMD"XMODEM S "+A3$
2410 GOTO2440
2420 PRINT:PRINT"Ready to transmit...":PRINT
2430 POKEOU,TSAND228:CMD"MODEM S.0 "+A3$
2440 POKEOU,TS:GOT02380
2450 PRINT"Do you wish me to control your buffer for you? ";ML=1:GOSUB6:GOSUB4:
IFA$="Y"THENF2=-1ELSEF2=0
2460 PRINT:PRINT"Prepare to receive ASCII transfer":PRINT
2470 F0RY=1TO1000:NEXTY:VY=PEEK(OU+2):POKEOU+2,255:POKEOU,TS0R8:POKEOU+1,TAAND22
3
2480 OPEN"R",4,A3$,1:FIELD4,1ASA$:IFF2THENPRINTCHR$(18);
2490 Z=0
2500 GET4:Y=INT(ASC(A$)/16):IFY>9THENY=Y+7
2510 PRINTCHR$(Y+48);:Y=ASC(A$)AND15:IFY>9THENY=Y+7
2520 PRINTCHR$(Y+48);:Z=Z+1:IFZ<>30THENEOF(4)THENCLOSE4:PRINTELSE2500ELSEPRINT
:IFEEOF(4)ORPEEK(OU)<>(TS0R8)THENCLOSE4ELSE2490
2530 GOTO2360
```

TOP SECRET

```
1000 IFPEEK(OU+10)AND128THENPRINT"Welcome almighty Sysop!"ELSEPRINT"Hello Remote Sysop!"
1010 PRINT:PRINT"<Lev: Main>":PRINT"Enter <D,G,M,Q,?>: ";:ML=1:GOSUB6:GOSUB4:IFA$=""THEN1010
1020 IFFLTHENPRINT#3,TIME$" - Pv: "A$
1030 ONINSTR("DGMQ?",A$)GOTO1070,2410,1580,10,1050
1040 GOTO1010
1050 PRINT"Choose one of:";PRINT:PRINT"<D> - Downloads":PRINT"<G> - Groups":PRINT"<M> - Members"
1060 PRINT"<D> - Quit":PRINT"<?> - Display this help":GOTO1010
1070 PRINT"Download level? ";:ML=1:GOSUB6:PR=VAL(A$)
1080 PRINT:PRINT"<Lev: Downloads>":PRINT"Enter <A,D,Q,U,?>: ";:ML=1:GOSUB6:GOSUB4:IFA$=""THEN1080
1090 IFFLTHENPRINT#3,TIME$" - Pv: D1: "A"
1100 ONINSTR("ACDQU?",A$)GOTO1290,1500,1400,1010,1140,1120
1110 GOTO1080
1120 PRINT"<A> - Add a download from a file":PRINT"<C> - Condition an upload":PRINT"<D> - Delete a download":PRINT"<Q> - Quit"
1130 PRINT"<U> - Add an upload":PRINT"<?> - Display this help":GOTO1080
1140 PRINT"Upload to add? ";:ML=3:GOSUB6:Z=VAL(A$):DG=999:GOSUB15:IFZ<10RZ>N2THE
NPRINT"Illegal download number!":CLOSE4:GOTO1080
1150 GET4,Z:A3$="D"+CHR$(PR+48)+"999"+RIGHT$("000"+MID$(STR$(CVI(DN$)),2),3)+"/TFC"
1160 A$=DS$:GOSUB3:PRINT"Moving: "A$:PRINT"New description? ";:ML=32:GOSUB6:GOSUB3:IFA$<>"THENA5$=A$ELSEA5$=DS$
1170 PRINT"Is this a binary file? ";:ML=1:GOSUB6:GOSUB4:IFA$<>"Y"ANDA$<>"N"THEN1170
1180 A4$=A$
1190 A6$=SZ$:A7$=CR$:A8$=TM$
1200 IFZ<>N2THENFOR=Y=TON2-1:GET4,Y+1:PUT4,Y:NEXTY
1210 Y=LOC(4)%-L2:PUT4,!#Y:CLOSE4
1220 PRINT"Place in which category? ";:ML=3:GOSUB6:DG=VAL(A$):GOSUB15
1230 PRINT"Working...""
1240 IFN2=0THENX=1ELSEGET4,N2:X=CVI(DN$)+1
1250 CMD"RENAME,"+A3$+"","+"D"+CHR$(PR+48)+RIGHT$("000"+MID$(STR$(DB),2),3)+RIGHT$("000"+MID$(STR$(X),2),3)+"/TFC"
1260 LSETDS$=A5$:LSETSZ$=A6$:LSETCR$=A7$:LSETTM$=A8$:LSETTD$=MKI$(0):LSETDN$=MKI$(X):LSETBI$="":IFA4$="Y"THENLSETBI$="B"
1270 PUT4,N2+1:CLOSE4
1280 PRINT"Upload categorized.":GOTO1080
1290 PRINT"Category? ";:ML=3:GOSUB6:GOSUB3:IFA$=""THEN1080ELSEDG=VAL(A$)
1300 PRINT"File name to add? ";:ML=23:GOSUB6:GOSUB4:A3$=A$
1310 PRINT"Description? ";:ML=32:GOSUB6:IFA$=""THEN1310ELSEA4$=A$
1320 PRINT"Is this a binary file? ";:ML=1:GOSUB6:GOSUB4:GOSUB3:IFA$<>"Y"ANDA$<>"N"THEN1320
1330 A5$=A$
1340 PRINT"Adding...""
1350 GOSUB15:IFN2=0THENX=1ELSEGET4,N2:X=CVI(DN$)+1
1360 LSETDS$=A4$:CMD"RENAME,"+A3$+"","+"D"+CHR$(PR+48)+RIGHT$("000"+MID$(STR$(DG),2),3)+RIGHT$("000"+MID$(STR$(X),2),3)+"/TFC"
1370 OPEN"R",2,A4$:LSETSZ$=MKI$(LOF(2)):CLOSE2:LSETCR$=A1$+" "+A2$:LSETTM$=FNH$:
LSETDN$=MKI$(X):LSETTD$=MKI$(0):LSETBI$="":IFA5$="Y"THENLSETBI$="B"
1380 PUT4,N2+1:CLOSE4
1390 PRINT"Download added.":GOTO1080
1400 PRINT"Category? ";:ML=3:GOSUB6:GOSUB3:IFA$=""THEN1400ELSEDG=VAL(A$)
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1410 GOSUB15
1420 PRINT"Delete which download? ";:ML=3:GOSUB6:IFVAL(A$)<10RVAL(A$)>N20RVAL(A$)
) <> INT(VAL(A$)) THENPRINT"Illegal download number!":CLOSE4:GOTO1080
1430 X=VAL(A$):GET4,X
1440 A$=DS$:GOSUB3:A4$=A$:PRINT"Deleting "A$" -- Sure?? ";:ML=1:GOSUB6:GOSUB4:I
FA$="Y"THEN1450ELSEIFA$="N"THENCLOSE4:GOTO1080ELSE1440
1450 Y=CVI(DN$):KILL"D"+CHR$(48+PR)+RIGHT$("000"+MID$(STR$(DG),2),3)+RIGHT$("000"
"+MID$(STR$(Y),2),3)+"/TFC"
1460 QW$="Pv: D1: Deleting download: "+A4$:GOSUB26
1470 IFX<>N2THENFORY=XTON2-1:GET4,Y+1:PUT4,Y:NEXTY
1480 Y=LOC(4)%-L2:PUT4,!#Y:CLOSE4
1490 PRINT"Download deleted.":GOTO1080
1500 PRINT"Category? ";:ML=3:GOSUB6:GOSUB3:IFA$=""THEN1400ELSEDG=VAL(A$)
1510 GOSUB15:PRINT"Condition which download? ";:ML=3:GOSUB6:IFVAL(A$)<10RVAL(A$)
>N2THENPRINT"Illegal download number!":CLOSE4:GOTO1080
1520 X=VAL(A$):GET4,X
1530 A$=DS$:GOSUB3:A4$=A$:PRINT"Conditioning "A$" -- Sure?? ";:ML=1:GOSUB6:GOSUB
4:IFA$="Y"THEN1540ELSEIFA$="N"THENCLOSE4:GOTO1080ELSE1530
1540 Y=CVI(DN$):CLOSE4:A3$="D"+CHR$(48+PR)+RIGHT$("000"+MID$(STR$(DG),2),3)+RIGH
T$("000"+MID$(STR$(Y),2),3)+"/TFC"
1550 QW$="Pv: D1: Conditioning download: "+A4$:GOSUB26:OPEN"I",2,A3$:OPEN"O",1,A
3$:
1560 IFEOP(2)THENLSETSZ$=MKI$(Y/256+1):PUT4,X:CLOSE1,2,4:GOTO1080ELSELINEINPUT#2
,A$:IFA$<>"THENFORZ=1TOLEN(A$):MID$(A$,Z,1)=CHR$(ASC(MID$(A$,Z,1))AND127):NEXTZ
1570 PRINT#1,A$CHR$(13)CHR$(10)::GOTO1560
1580 PRINT:PRINT<Lev: Members>:PRINT"Enter <A,C,D,M,O,Q,V,?>":ML=1:GOSUB6:G
OSUB4:IFA$=""THEN1580
1590 IFFLTHENPRINT#3,TIME$" - Pv: Mb: "A$
1600 ONINSTR("?DQA0VCM",A$)GOTO1620,1880,1010,2120,2160,2200,1960,1650
1610 GOTO1580
1620 PRINT"Choose one of:":PRINT:PRINT"<A> - Modify ALL members":PRINT"<C> - Com
plete info on a member":PRINT"<D> - Delete a member"
1630 PRINT"<M> - Completely modify ONE member":PRINT"<O> - Modify ONE member":PR
INT"<Q> - Quit":PRINT"<V> - Validate new members"
1640 PRINT"<?> - Display this help":GOTO1580
1650 PRINT"FIRST name? ";:ML=12:GOSUB6:GOSUB3:GOSUB5:F1$=A$:IFA$=""THEN1580
1660 PRINT" LAST name? ";:ML=12:GOSUB6:GOSUB3:GOSUB5:L1$=A$:IFA$=""THEN1580
1670 GOSUB18:GOSUB7:IFNOTF1THENPRINT"Name not found!":CLOSE4:GOTO1580
1680 GET4,M:A$=F$:GOSUB3:PRINT"Name: "A$" ";:QW$="Pv: Mb: Modifying: "+A$+" ":A$=
L$:GOSUB3:PRINTA$:QW$=QW$+A$:GOSUB26
1690 IF(FEEK(OU+10)AND132)=4AND(ASC(PR$)AND132)=132THENPRINT"(Supplemental infor
mation inaccessible)":GOTO1870
1700 A$=PW$:GOSUB3:PRINT"Password: "A$" ? ";:ML=8:GOSUB6:GOSUB3:GOSUB4:IFA$<>"T
HENLSETPW$=A$
1710 PRINT"Acc #:CVI(AC$)"? ";:ML=6:GOSUB6:GOSUB3:IFA$<>"THENLSETAC$=MKI$(VAL(
A$))
1720 PRINT>Last login: FNI$(LL$):PRINT"Second-to-last: ";:IFASC(L9$)THENPRINTFN
I$(L9$)ELSEPRINT"None"
1730 PRINT"Number of calls: CVI(NZ$)"? ";:ML=5:GOSUB6:GOSUB3:IFA$<>"THENLSETNZ$=
MKI$(VAL(A$))
1740 PRINT"Number of downloads: CVI(ND$)"? ";:ML=5:GOSUB6:GOSUB3:IFA$<>"THENLSE
TND$=MKI$(VAL(A$))
1750 PRINT"Number of uploads: CVI(NU$)"? ";:ML=5:GOSUB6:GOSUB3:IFA$<>"THENLSETN
U$=MKI$(VAL(A$))
1760 PRINT"Number of messages sent: CVI(NP$)"? ";:ML=5:GOSUB6:GOSUB3:IFA$<>"THE
NLSETNP$=MKI$(VAL(A$))
1770 PRINT"Personal mail: ASC(EW$)"? ";:ML=5:GOSUB6:GOSUB3:IFA$<>"THENLSETEW$=C
HR$(VAL(A$))
1780 PRINT"Public mail: ASC(MW$)"? ";:ML=5:GOSUB6:GOSUB3:IFA$<>"THENLSETMW$=CHR
$(VAL(A$))

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1790 PRINT"Time limit: "ASC(TL$)"? "; : ML=3: GOSUB6: GOSUB3: IFA$<>"" THENLSETTL$=CHR$(VAL(A$))
1800 PRINT"Video width: "ASC(VW$)"? "; : ML=3: GOSUB6: GOSUB3: IFA$<>"" THENLSETVW$=CHR$(VAL(A$))
1810 PRINT"Nulls: "ASC(NN$)"? "; : ML=3: GOSUB6: GOSUB3: IFA$<>"" THENLSETNN$=CHR$(VAL(A$))
1820 PRINT"LF after CR: "; : IFASC(CN$) AND2 THENPRINT"Yes" ELSEPRINT"No"
1830 PRINT"Destructive cursor: "; : IFASC(CN$) AND8 THENPRINT"Yes" ELSEPRINT"No"
1840 PRINT"CR at end of line: "; : IFASC(CN$) AND16 THENPRINT"Yes" ELSEPRINT"No"
1850 GOSUB3120
1860 PRINT"Save? "; : ML=1: GOSUB6: GOSUB4: IFA$="Y" THENPUT4, MELSE IFA$<>"N" THEN1860
1870 CLOSE4: GOTO1580
1880 PRINT"FIRST name? "; : ML=12: GOSUB6: GOSUB3: GOSUB5: F1$=A$: IFA$="" THEN1580
1890 PRINT" LAST name? "; : ML=12: GOSUB6: GOSUB3: GOSUB5: L1$=A$: IFA$="" THEN1580
1900 QW$="Pv: Mb: Deleting "+F1$+" "+L1$: GOSUB26
1910 GOSUB18: GOSUB7: IFNOTF1 THENPRINT"Name not found!": CLOSE4: GOTO1580
1920 IF(PEEK(OU+10)AND132)=4 AND(ASC(PR$)AND132)=132 THENPRINT"Privilege not granted!": CLOSE4: GOTO1580
1930 IFM<>N4 THENFORX=MTON4-1: GET4, X+1: PUT4, X: NEXTX
1940 Y=LOC(4)%-L4: PUT4, !#Y: CLOSE4
1950 PRINT"Member deleted!": GOTO1580
1960 PRINT"FIRST name? "; : ML=12: GOSUB6: GOSUB3: GOSUB5: F1$=A$: IFA$="" THEN1580
1970 PRINT" LAST name? "; : ML=12: GOSUB6: GOSUB3: GOSUB5: L1$=A$: IFA$="" THEN1580
1980 GOSUB18: GOSUB7: IFNOTF1 THENPRINT"Name not found!": CLOSE4: GOTO1580
1990 GET4, M: A$=F$: GOSUB3: PRINT"Name: "A$" "; : QW$="Pv: Mb: Examining "+A$+" "; : A$=L$: GOSUB3: PRINTA$: QW$=QW$+A$: GOSUB26
2000 IF(PEEK(OU+10)AND132)=4 AND(ASC(PR$)AND132)=132 THENPRINT"(Supplemental information inaccessible)": GOTO2110
2010 PRINT"Password: PW$ Acc #: CVI(AC$)
2020 PRINT>Last login: FNI$(LL$): PRINT"Second-to-last: "; : IFASC(L9$) THENPRINTFN I$(L9$) ELSEPRINT"None"
2030 PRINT"Number of calls: CVI(NZ$): PRINT"Number of downloads: CVI(ND$): PRINT"Number of uploads: CVI(NU$): PRINT"Number of messages sent: CVI(NP$)
2040 PRINT"Personal mail: ASC(EW$) Public: ASC(MW$)
2050 PRINT"Time limit: ASC(TL$)
2060 PRINT"Video width: ASC(VW$) Nulls: ASC(NN$)
2070 PRINT"LF after CR: "; : IFASC(CN$) AND2 THENPRINT"Yes" ELSEPRINT"No"
2080 PRINT"Destructive cursor: "; : IFASC(CN$) AND8 THENPRINT"Yes" ELSEPRINT"No"
2090 PRINT"CR at end of line: "; : IFASC(CN$) AND16 THENPRINT"Yes" ELSEPRINT"No"
2100 PRINT"Priv: "; : NAME4RIGHT$(PR$, 1)+MID$(PR$, 2, 1)+LEFT$(PR$, 1)
2110 CLOSE4: GOTO1580
2120 GOSUB18
2130 IFN4=0 THENCLOSE4: PRINT"No members!": GOTO1580
2140 FORX=1 TO N4: GET4, X: GOSUB2320: NEXTX
2150 PRINT"-- End of members --": CLOSE4: GOTO1580
2160 PRINT"FIRST name? "; : ML=12: GOSUB6: GOSUB5: F1$=A$: IFA$="" THEN1580
2170 PRINT" LAST name? "; : ML=12: GOSUB6: GOSUB5: L1$=A$: IFA$="" THEN1580
2180 GOSUB18: GOSUB7: IFNOTF1 THENPRINT"Name not found!": CLOSE4: GOTO1580
2190 X=M: GOSUB2320: CLOSE4: GOTO1580
2200 GOSUB18: IFN4=0 THEN2130
2210 X=1
2220 GET4, X: IFASC(PR$) AND1 THEN2310
2230 A$=F$: GOSUB3: PRINT"Name: "A$" "; : QW$="Pv: Mb: Vd: "+A$+" "; : A$=L$: GOSUB3: PRNTA$: QW$=QW$+A$+" "
2240 A$=PW$: GOSUB3: PRINT"Password: "A$: PRINT"Acc #: CVI(AC$)
2250 PRINT"Validate? "; : ML=1: GOSUB6: GOSUB4: QW$=QW$+A$+" ": GOSUB26: IFA$="Q" THENCLOSE4: GOTO1580
2260 IFA$="Y" THENLSETTL$=CHR$(V2): LSETPR$=V2$: PUT4, X: GOTO2310
2270 IFA$<>"D" THEN2300
2280 IFX<>N4 THENFORY=XTON4-1: GET4, Y+1: PUT4, Y: NEXTY

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2290 Y=LOC(4)%-L4:PUT4,!#Y:X=X-1:N4=N4-1:GOTO2310
2300 IFA\$<>"N"THEN2250
2310 X=X+1:IFX<=N4THEN2220ELSECLOSE4:GOTO1580
2320 A\$=F\$:GOSUB3:PRINT"Name: "A\$":QW\$="Pv: Mb: Modifying "+A\$+":A\$=L\$:GOSUB3:PRINTA\$:QW\$=QW\$+A\$:GOSUB26
2330 IF(PEEK(OU+10)AND132)=4AND(ASC(PR\$)AND132)=132THENPRINT"(Supplemental information inaccessible)":RETURN
2340 PRINT"Password: "PW\$"? ";ML=8:GOSUB6:GOSUB3:GOSUB4:IFA\$<>"THENLSETPW\$=A\$
2350 PRINT"Acc #:CVI(AC\$)"? ";ML=5:GOSUB6:GOSUB3:IFA\$<>"THENLSETAC#=MKI\$(VAL(A\$))
2360 PRINT"Time limit:ASC(TL\$)"? ";ML=3:GOSUB6:GOSUB3:IFA\$<>"THENLSETTL\$=CHR\$(VAL(A\$))
2370 GOSUB3120
2380 PRINT"Save? ";ML=1:GOSUB6:GOSUB4:IFA\$="Y"THENPUT4,X:RETURN
2390 IFA\$="Q"THENCLOSE4:CMD"F=POPS":GOTO1580
2400 IFA\$<>"N"THEN2380ELSERETURN
2410 PRINT:PRINT<Lev: Groups>:PRINT"Enter <A,C,D,M,N,Q,R,T,V,?>";ML=1:GOSUB6:GOSUB4:IFA\$=""THEN2410
2420 GR\$="":IFFLTHENPRINT#3,TIME\$"- Pv: Gr: "A\$
2430 ONINSTR("DNO?CTRAVM",A\$)GOTO2890,2510,1010,2450,2560,2610,3040,2660,2710,3320
2440 GOTO2410
2450 PRINT"Choose one of:":PRINT:PRINT"<A> - Change anonymous status":PRINT"<C> - Change group creator":PRINT"<D> - Delete group":PRINT"<M> - Mass message deletion":PRINT"<N> - Change group name"
2460 PRINT"<Q> - Quit":PRINT"<R> - Renumber msg #s":PRINT"<T> - Change time created":PRINT"<V> - Validate structure":PRINT"<?> - Display this help":GOTO2410
2470 PRINT"Sublevel? ";ML=1:GOSUB6:GOSUB3:IFA\$=""THEN2410ELSEIFLV\$(VAL(A\$))=""THENPRINT"That sublevel is nonexistent!":GOTO2410ELSELV\$=VAL(A\$)
2480 PRINT"Group? ";ML=30:GOSUB6:GOSUB11:IFA\$=""THEN2410
2490 GOSUB27:IFF1THEN2410ELSEIFA\$=="*THENPRINT"Not applicable to ALL groups!":GOTO2410ELSEIFA\$=="?"THENPRINT"Illegal group name!":GOTO2410
2500 RETURN
2510 GOSUB2470:A3\$=A\$
2520 PRINT"Change name of group "A3\$"? ";ML=1:GOSUB6:GOSUB4:IFA\$="Y"THEN2530ELS EIFA\$<>"N"THEN2520ELSE2410
2530 PRINT"Change name to what? ";ML=30:GOSUB6:GOSUB3:GOSUB5:IFA\$=""THEN2410
2540 FD=4:GOSUB19:GET4,Y:QW\$="Pv: Gr: Changing group "+A3\$+" to "+A\$:GOSUB26:LSETG\$=A\$:PUT4,Y:CLOSE4
2550 GOTO2410
2560 GOSUB2470:A3\$=A\$
2570 PRINT"Change creator of group "A3\$"? ";ML=1:GOSUB6:GOSUB4:IFA\$="Y"THEN2580 ELSEIFA\$<>"N"THEN2570ELSE2410
2580 PRINT"New creator's name? ";ML=25:GOSUB6:GOSUB3:GOSUB5:IFA\$=""THEN2410
2590 FD=4:GOSUB19:QW\$="Pv: Gr: Change creator of group "+A3\$+" to "+A\$:GOSUB26:GET4,Y:LSETCR\$=A\$:PUT4,Y:CLOSE4
2600 GOTO2410
2610 GOSUB2470:A3\$=A\$
2620 PRINT"Change creation time of group "A3\$"? ";ML=1:GOSUB6:GOSUB4:IFA\$="Y"THEN2630ELSEIFA\$<>"N"THEN2620ELSE2410
2630 PRINT"New time? ";ML=21:GOSUB6:GOSUB3:GOSUB5:IFA\$=""THEN2410ELSEGOSUB13
2640 FD=4:GOSUB19:QW\$="Pv: Gr: Change time of group "+A3\$+" to "+FNI\$(S1\$):GOSUB26:GET4,Y:LSETTC\$=S1\$:PUT4,Y:CLOSE4
2650 GOTO2410
2660 GOSUB2470:A3\$=A\$
2670 PRINT"Change anonymous status of group "A3\$"? ";ML=1:GOSUB6:GOSUB4:IFA\$="Y"THEN2680ELSEIFA\$<>"N"THEN2670ELSE2410
2680 PRINT"Make group anonymous? ";ML=1:GOSUB6:GOSUB4:GOSUB3:IFA\$=""THEN2410ELS EIFA\$<>"Y"ANDA\$<>"N"THEN2680
2690 FD=4:GOSUB19:QW\$="Pv: Gr: Change anonymous status of "+A3\$+" to "+A\$:GOSUB2

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6: GET4, Y:LSETAN$=A$: PUT4, Y:CLOSE4
2700 GOTO2410
2710 GOSUB2470:A3$=A$
2720 PRINT"Validate structure of group "A3$"? "; : ML=1: GOSUB6: GOSUB4: IFA$="Y" THEN
2730 ELSEIFA$<>"N"THEN2720ELSE2410
2730 QW$="Pv: Gr: Checking group "+A3$: GOSUB26: A4$="G"+CHR$(LV+48)+MID$(STR$(X), 2)+"("/: A$=A4$+"TTL": FD=4: GOSUB16: OPEN"I", 2, A4$+"GRP"
2740 IFN3THEN2760ELSEIFLOC(2)%THENPRINT"Empty titles/non-empty messages!"ELSEPRINT"Group is empty!"
2750 CLOSE2,4: GOTO2410
2760 IFN3=1THEN2790ELSEGET4, 1: Y=CVI(MN$): A5$=TM$: FORX=2TON3: GET4, X: IFCVI(MN$)=YT
HENPRINT"Duplicate message number: "YELSEIFCVI(MN$)<YTHENPRINT"Message numbers out of order: "Y->"CVI(MN$)
2770 IFTM$<A5$THENPRINT"Dates out of order: "CVI(MN$)"->"Y
2780 Y=CVI(MN$): A5$=TM$: NEXTX
2790 FORX=1TON3: A!=LOC(2) !
2800 LINEINPUT#2,A$: IFA$=CHR$(255) THEN2820ELSEIFEOF(2) THENPRINT"Group does not have proper termination - unable to continue": GOTO2880
2810 GOTO2800
2820 GET4, X: IFCVS(PS$)<>A!THENPRINT"Message pointer does not point to proper message: Msg ="CVI(MN$)"Title ptr ="CVS(PS$)"Msg pos ="A!: IFX<>N3THENGET4, X+1: GET2, !$CVS(PS$): GET4, X
2830 IFCVI(NR$)THENW=CVI(NR$): GOSUB3570: GET4, X: IFNOTF1THENPRINT"N-Ref field points to non-existant msg: Msg ="CVI(MN$)
2840 IFCVI(PM$)THENW=CVI(PM$): GOSUB3570: GET4, X: IFNOTF1THENPRINT"P-Ref field points to non-existant msg: Msg ="CVI(MN$)
2850 NEXTX
2860 IFNOTEEOF(2) THENPRINT"Message file has excess terminating data: Ptr ="LOC(2) !
2870 PRINT"Group check complete"
2880 CLOSE2,4: GOTO2410
2890 GOSUB2470:A3$=A$
2900 PRINT"Delete group "A3$"? "; : ML=1: GOSUB6: GOSUB4: IFA$="Y" THEN2910ELSEIFA$<>"N"THEN2900ELSE2410
2910 QW$="Pv: Gr: Deleting "+A3$: GOSUB26: FD=4: GOSUB19: Z=Y: GET4, Y
2920 A4$="G"+CHR$(LV+48)+MID$(STR$(X), 2)+"("/: A$=A4$+"TTL": FD=2: GOSUB16
2930 IFN3=0THENCLOSE2: GOTO3000ELSEPRINT"Resolving mail references": FD=1: GOSUB18
2940 FORX=1TON3: GET2, X: A$=WT$: GOSUB3: IFA$="A11"ORRC$="R"THEN2990ELSEI=0
2950 I=INSTR(I+1, A$, " "): IF I=0THEN2990
2960 F1$=LEFT$(A$, I-1): L1$=MID$(A$, I+1): GOSUB7: IFNOTF1THEN2950
2970 IFPT$="R"THENLSEEW$=CHR$(ASC(EW$)-1)ELSESETMW$=CHR$(ASC(MW$)-1)
2980 PUT1, M
2990 NEXTX: CLOSE1, 2: PRINT"References resolved"
3000 IFZ<>N5THENFORY=ZTON5-1: GET4, Y+1: PUT4, Y: NEXTY
3010 Y=LOC(4)%-L5: PUT4, !#Y: CLOSE4
3020 KILLA4$+"TTL": KILLA4$+"GRP"
3030 GR$="" : PRINT"Group killed!": FD=4: GOTO2410
3040 GOSUB2470:A3$=A$
3050 PRINT"Renumber messages in group "A3$"? "; : ML=1: GOSUB6: GOSUB3: GOSUB4: IFA$="Y" THEN3060ELSEIFA$<>"N"THEN3050ELSE2410
3060 A$="G"+CHR$(LV+48)+MID$(STR$(X), 2)+"/"TTL": FD=4: GOSUB16: IFN3=0THENCLOSE4: PRINT"That's an empty group!": GOTO2410
3070 FORX=1TON3: GET4, X: IF(CVI(NR$)ORCVI(PM$))=0THEN3100ELSEI=CVI(MN$): FORY=1TON3: GET4, Y: IFCVI(NR$)=1THENLSETNR$=MKI$(X): PUT4, Y
3080 IFCVI(PM$)=1THENLSETPM$=MKI$(X): PUT4, Y
3090 NEXTX: GET4, X
3100 LSETMN$=MKI$(X): PUT4, X: NEXTX
3110 CLOSE4: PRINT"Done!": GOTO2410
3120 A5$=PR$
3130 LSETPR$=A5$: PRINT"Priv: "; : NAME4RIGHT$(PR$, 1)+MID$(PR$, 2, 1)+LEFT$(PR$, 1)

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3140 IFPEEK(OU+10)AND128THEN3150ELSEA$=F$:GOSUB3:IFA$<>A1$THEN3150ELSEA$=L$:GOSU
B3:IFA$<>A2$THEN3150ELSEPRINT:PRINT"(You may not modify your own privs)":RETURN
3150 PRINT"? ";:ML=10:GOSUB6:GOSUB3:GOSUB4:IFA$=""THENRETURN
3160 IFLEFT$(A$,1)="D"THENMID$(A5$,2,1)=CHR$((ASC(MID$(A5$,2))AND240)ORVAL(MID$(A$,2))):GOTO3130
3170 Z=0:IFMID$(A$,2,1)>"1"THENY=3ELSEY=2
3180 FORF5=YTOLEN(A$):IFMID$(A$,F5,1)<"0"ORMID$(A$,F5,1)>"1"THENPRINT"Illegal bi
nary number!":GOTO3130
3190 Z=Z*2+ASC(MID$(A$,F5))-48:NEXTF5
3200 IFLEFT$(A$,1)="A"THENF5=ASC(RIGHT$(A5$,1)):GOSUB3260:MID$(A5$,3,1)=CHR$(F5)
:GOTO3130
3210 IFLEFT$(A$,1)<>"C"THEN3240ELSEF5=ASC(LEFT$(A5$,1)):F3=F5:GOSUB3260
3220 IFPEEK(OU+10)AND128THENMID$(A5$,1,1)=CHR$(F5):GOT03130
3230 IF(F5AND132)<>(F4AND132)THENPRINT"You may not change someone's Sysop status
!":GOT03130ELSEMID$(A5$,1,1)=CHR$(F5):GOT03130
3240 IFLEFT$(A$,1)<>"B"THEN3130
3250 Z=ZAND15:F5=ASC(MID$(A5$,2,1))/16:GOSUB3260:MID$(A5$,2,1)=CHR$((ASC(MID$(A5
$,2,1))AND15)+F5*16):GOTO3130
3260 IFY=2THENF5=Z:RETURN
3270 IFMID$(A$,2,1)="0"THENF5=F5ORZ:RETURN
3280 IFMID$(A$,2,1)="A"THENF5=F5ANDZ:RETURN
3290 IFMID$(A$,2,1)="N"THENF5=(NOTZ)AND255:RETURN
3300 IFMID$(A$,2,1)="M"THENF5=F5ANDNOTZ
3310 RETURN
3320 GOSUB2470:A3$=A$
3330 PRINT"Mass deletion of messages in group "A3$"? ";:ML=1:GOSUB6:GOSUB4:IFA$=
"Y"THEN3340ELSEIFA$<>"N"THEN3330ELSE2410
3340 PRINT"Starting message number? ";:ML=5:GOSUB6:GOSUB4:IFA$=""THEN2410ELSES1=
VAL(A$)
3350 PRINT"Ending message number? ";:ML=5:GOSUB6:GOSUB4:IFA$=""THEN2410ELSES2=VA
L(A$)
3360 IFS2<=S1THENPRINT"Illegal message number range!":GOT02410
3370 QW$="Deleting messages"+STR$(S1)+" to "+STR$(S2)+" in "+A3$:GOSUB26
3380 PRINT"Killing messages... "
3390 A4$="G"+CHR$(LV+48)+MID$(STR$(X),2)+"/":A$=A4$+"TTL":FD=4:GOSUB16:OPEN"I",1
,A4$+"GRP"
3400 W=S1:GOSUB3570:IFF1=0THENPRINT"Message #"+S1"does not exist!":CLOSE1,4:GOT02
410ELSEL1=M
3410 W=S2:GOSUB3570:IFF1=0THENPRINT"Message #"+S2"does not exist!":CLOSE1,4:GOT02
410ELSEL2=M
3420 GET4,L1:A!=CVS(PS$)
3430 GET4,L2:GET1,!$CVS(PS$)
3440 LINEINPUT#1,A$:IFA$<>CHR$(255)THEN3440
3450 OPEN"O",2,A4$+"GRP":GET2,!#A!:PUT2,!#A!:A!=LOC(1)!-A!
3460 IFNOTE OF(1) THENLINEINPUT#1,A$:PRINT#2,A$:GOT03460
3470 CLOSE1,2
3480 PRINT"Relinking... "
3490 FORX=L1TOL2:GET4,X:I=CVI(NR$):F2=CVI(PM$)
3500 IFF2THENW=F2:GOSUB3570:IFF1THENLSETNR$=MKI$(I):PUT4,MELSEPRINT"Linking erro
r!"
3510 IFITHENW=I:GOSUB3570:IFF1THENLSETPM$=MKI$(F2):PUT4,MELSEPRINT"Linking error
!"
3520 NEXTX
3530 PRINT"Killing titles... "
3540 IFL2<>N3THENFORX=L2+1TON3:GET4,X:LSETPS$=MKS$(CVS(PS$)-A!):PUT4,X-(L2-L1+1)
:NEXTX
3550 W=LOC(4)%-L3*(L2-L1+1):PUT4,!#W:PUT4,&
3560 CLOSE4:PRINT"Done!":GOT02410
3570 L=N3:R=1:F1=0
3580 M=INT((R+L)/2):IFR>LTHENRETURNELSEGET4,M:IFCVI(MN$)=WTHENF1=-1:RETURN

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*** *** *** *** *** *** *** *** *** ***
*** *** *** SYSGOP2 *** *** ***
*** *** *** *** *** *** *** *** *** ***

1000 IFPEEK(OU+10)AND128THENPRINT"Welcome almighty Sysop!"ELSEPRINT"Hello Remote Sysop!"
1010 PRINT:PRINT"<Lev: Main>":PRINT"Enter <C,L,N,O,S,T,U,V,Z,>: ";:ML=1:GOSUB6:
GOSUB4:IFA\$\$=""THEN1010
1020 IFFLTTHENPRINT#3,TIME\$"- Pv: "A\$
1030 ONINSTR("QC?TLNZUSV",A\$)GOTO10,1100,1050,1600,1650,1960,2030,1870,2250,2530
1040 GOTO1010
1050 PRINT"Choose one of:":PRINT:PRINT"<C> - Configuration":PRINT"<L> - Caller logs"
1060 PRINT"<N> - New date/time"
1070 PRINT"<Q> - Quit":PRINT"<S> - Sublevels":PRINT"<T> - TRS-80 mode":PRINT"<U>
- Delete part of User log"
1080 PRINT"<V> - Voting files":PRINT"<Z> - Take the system up/down"
1090 PRINT"<?> - Display this help":GOTO1010
1100 PRINT:PRINT"<Lev: Config>":PRINT"Enter <C,D,I,L,N,P,Q,R,S,T,V,W,>: ";:ML=1
:GOSUB6:GOSUB4:IFA\$\$=""THEN1100
1110 ONINSTR("NCRV?QDSIPWTL",A\$)GOTO1180,1200,1240,1280,1300,1010,1330,1130,1220
,1420,1470,1520,1540
1120 GOTO1100
1130 GOSUB17:A\$\$=FA\$\$:GOSUB3:PRINT"Sysop name 1: "A\$\$"? ";:ML=25:GOSUB6:GOSUB3:GOSU
B\$:IFA\$<>"THENLSETFA\$\$=A\$\$:T1\$\$=A\$
1140 A\$\$=FB\$\$:GOSUB3:PRINT"Sysop name 2: "A\$\$"? ";:ML=25:GOSUB6:GOSUB3:GOSUB5:IFA\$<
>"THENLSETFB\$\$=A\$\$:T2\$\$=A\$
1150 A\$\$=FC\$\$:GOSUB3:PRINT"Sysop name 3: "A\$\$"? ";:ML=25:GOSUB6:GOSUB3:GOSUB5:IFA\$<
>"THENLSETFC\$\$=A\$\$:T3\$\$=A\$
1160 A\$\$=FD\$\$:GOSUB3:PRINT"Sysop name 4: "A\$\$"? ";:ML=25:GOSUB6:GOSUB3:GOSUB5:IFA\$<
>"THENLSETFD\$\$=A\$\$:T4\$\$=A\$
1170 PUT4,1:CLOSE4:GOTO1100
1180 GOSUB17:A\$\$=NM\$\$:GOSUB3:PRINT"Current name: "A\$\$"? ";:ML=40:GOSUB6:GOSUB3:IFA\$<
>"THENLSETNM\$\$=A\$
1190 PUT4,1:CLOSE4:GOTO1100
1200 GOSUB17:PRINT"Total number of callers: "CVI(NC\$)"? ";:ML=5:GOSUB6:GOSUB3:IFA
\$<>"THENLSETNC\$\$=MKI\$(VAL(A\$))
1210 NC=CVI(NC\$):GOTO1190
1220 GOSUB17:PRINT"Clock speed scale: "ASC(SC\$)"? ";:ML=1:GOSUB6:GOSUB3:IFA\$<>"T
HENLSETSC\$\$=CHR\$(VAL(A\$))
1230 GOTO1190
1240 GOSUB17
1250 PRINT"Ring-back: ";:IFRB\$\$="Y"THENPRINT"Yes";ELSEPRINT"No";
1260 PRINT"? ";:ML=1:GOSUB6:GOSUB3:GOSUB4:IFA\$<>"THENIFA\$<>"Y"ANDA\$<>"N"THEN125
0ELSESETRB\$\$=A\$
1270 GOTO1190
1280 GOSUB17:A\$\$=VR\$\$:GOSUB3:PRINT"Current version: "A\$\$"? ";:ML=15:GOSUB6:GOSUB3:I
FA\$<>"THENLSETVR\$\$=A\$
1290 GOTO1190
1300 PRINT"Choose one of:":PRINT:PRINT"<C> - Callers":PRINT"<D> - Default drive
numbers":PRINT"<I> - Increased clock speed scale":PRINT"<L> - Log files":PRINT"
N> - Name":PRINT"<P> - Default privileges":PRINT"<Q> - Quit"
1310 PRINT"<R> - Ring-back mode":PRINT"<S> - Sysop names":PRINT"<T> - Ticks/sec"
:PRINT"<V> - Version":PRINT"<W> - Misc passwords":PRINT"<?> - Display this help"
:GOTO1100
1320 GOTO1190
1330 GOSUB17:PRINT"New group titles: "D0\$\$"? ";:ML=1:GOSUB6:GOSUB3:IFA\$<>"THENL
SETE0\$\$=A\$
1340 PRINT"New group bodies: "D1\$\$"? ";:ML=1:GOSUB6:GOSUB3:IFA\$<>"THENLSETE1\$\$=A\$

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1350 PRINT"New group titles (lev 1-8) & sublevels: "D5$"? "; :ML=1:GOSUB6:GOSUB3:
IFA$<>"THENLSETE5$=A$
1360 PRINT"New group bodies (lev 1-8): "D6$"? "; :ML=1:GOSUB6:GOSUB3:IFA$<>"THEN
LSETE6$=A$
1370 PRINT"Unprived downloads: "D2$"? "; :ML=1:GOSUB6:GOSUB3:IFA$<>"THENLSETE2$=
A$
1380 PRINT"Prived downloads: "D3$"? "; :ML=1:GOSUB6:GOSUB3:IFA$<>"THENLSETE3$=A$
1390 PRINT"Log files: "D4$"? "; :ML=1:GOSUB6:GOSUB3:IFA$<>"THENLSETE4$=A$
1400 D0$=E0$:D1$=E1$:D2$=E2$:D3$=E3$:D4$=E4$:D5$=E5$:D6$=E6$
1410 GOTO1190
1420 GOSUB17:PR$=P1$:PRINT"New User settings":F$="" :GOSUB2050:LSETP1$=PR$
1430 PRINT"Time limit: "ASC(P3$)"? "; :ML=3:GOSUB6:GOSUB3:IFA$<>"THENLSETP3$=CHR$(VAL(A$))
1440 PR$=P2$:PRINT:PRINT"Normal validation settings":GOSUB2050:LSETP2$=PR$:V2$=PR$
1450 PRINT"Time limit: "ASC(P4$)"? "; :ML=3:GOSUB6:GOSUB3:IFA$<>"THENLSETP4$=CHR$(VAL(A$)):V2=VAL(A$)
1460 GOTO1190
1470 IF(PEEK(OU+10)AND128)=0THENPRINT"Illegal Remote function!":GOT01100ELSEGOSU
B17:A$=P5$:GOSUB3:PRINT"Sysop password: "A$"? "; :ML=8:GOSUB6:GOSUB3:GOSUB4:IFA$<
>"THENLSETP5$=A$
1480 A$=P6$:GOSUB3:PRINT"Remote password: "A$"? "; :ML=8:GOSUB6:GOSUB3:GOSUB4:IFA
$<>"THENLSETP6$=A$
1490 A$=P7$:GOSUB3:PRINT"BASIC password: "A$"? "; :ML=8:GOSUB6:GOSUB3:GOSUB4:IFA$<
>"THENLSETP7$=A$
1500 A$=P8$:GOSUB3:PRINT"System-up password: "A$"? "; :ML=8:GOSUB6:GOSUB3:GOSUB4:
IFA$<>"THENLSETP8$=A$
1510 GOTO1190
1520 GOSUB17:PRINT"Ticks/second: "ASC(TK$)"? "; :ML=3:GOSUB6:GOSUB3:IFA$<>"THENL
SETK$=CHR$(VAL(A$)):POKEOU+12,VAL(A$)
1530 GOTO1190
1540 GOSUB17
1550 PRINT"Full disk log file: "; :IFASC(LI$)AND1THENPRINT"Yes"; ELSEPRINT"No";
1560 PRINT"? "; :ML=1:GOSUB6:GOSUB3:GOSUB4:IFA$<>"THENIFA$="Y"THENLSETLI$=CHR$(A
SC(LI$)OR1)ELSEIFA$="N"THENLSETLI$=CHR$(ASC(LI$)AND254)ELSE1550
1570 PRINT"Printer log: "; :IFASC(LI$)AND2THENPRINT"Yes"; ELSEPRINT"No";
1580 PRINT"? "; :ML=1:GOSUB6:GOSUB3:GOSUB4:IFA$<>"THENIFA$="Y"THENLSETLI$=CHR$(A
SC(LI$)OR2)ELSEIFA$="N"THENLSETLI$=CHR$(ASC(LI$)AND253)ELSE1560
1590 GOTO1190
1600 IF(T$AND1)=0THEN1630ELSEPRINT:PRINT"Entering command level...":PRINT:PRINT"
Break in 3000":PRINT"READY":PRINT">";
1610 ML=240:GOSUB6:GOSUB3:GOSUB4:IFA$<>R3$THENPRINT">CONT":QW$="Pv":Tr: SYSOP pa
ssword failed":GOSUB26:POKEOU+10,0:GOT010
1620 PRINT"Ok... "
1630 POKEOU+23,&H78:STOP
1640 POKEOU+23,0:GOT01010
1650 PRINT:PRINT"<Lev: Log>":PRINT"Enter <A,K,N,Q,?>: "; :ML=1:GOSUB6:GOSUB4:IFA$=
"THEN1650
1660 ONINSTR("ANOK?",A$)GOT01730,1800,1010,1680,1950
1670 GOTO1650
1680 OPEN"I",4,"KILLLOG/TFC":POKEOU,TSOR8
1690 LINEINPUT#4,A$:PRINTA$:IFPEEK(OU)<>(TSOR8)THEN1700ELSEIFNOTE OF(4)THEN1690
1700 CLOSE4:POKEOU,TS:PRINT:IF(PEEK(OU+10)AND128)=0THEN1650ELSEPRINT"Delete log
file? "; :ML=1:GOSUB6:GOSUB4:IFA$="Y"THEN1710ELSEIFA$<>"N"THEN1700ELSE1650
1710 KILL"KILLLOG/TFC":CMD"CREATE,KILLLOG/TFC:+D4$"
1720 GOTO1650
1730 CLOSE3:OPEN"E",3,"CALRLOG/TFC":OPEN"I",4,"CALRLOG/TFC":POKEOU,TSOR8
1740 LINEINPUT#4,A$:PRINTA$:IFPEEK(OU)<>(TSOR8)THEN1750ELSEIFNOTE OF(4)THEN1740
1750 CLOSE4
1760 POKEOU,TS:PRINT:IF(PEEK(OU+10)AND128)=0THEN1650ELSEPRINT"Delete log file? "

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; :ML=1:GOSUB6:GOSUB4:IFA$=="Y"THEN1770ELSEIFA$<>"N"THEN1760ELSE1650
1770 CLOSE3:KILL"CALRLOG/TFC"
1780 OPEN"E",3,"CALRLOG/TFC":"+D4$"
1790 GOTO1650
1800 OPEN"I",1,"NEWUSER/TFC":POKEOU,TSOR8
1810 LINEINPUT#1,A$:PRINTA$:IFPEEK(OU)<>(TSOR8)THEN1820ELSEIFNOTE OF(1)THEN1810
1820 CLOSE1
1830 POKEOU,TS:PRINT:IF(PEEK(OU+10)AND128)=0THEN1650ELSEPRINT"Delete log file? "
; :ML=1:GOSUB6:GOSUB4:IFA$=="Y"THEN1840ELSEIFA$<>"N"THEN1830ELSE1650
1840 KILL"NEWUSER/TFC"
1850 CMD"CREATE NEWUSER/TFC":"+D4$"
1860 GOTO1650
1870 GOSUB14:IFN1=0THENCLOSE4:PRINT"No entries!":GOTO1010
1880 GET4,1:W=CVI(NC$):GET4,N1:Z=CVI(NC$):PRINT"There are" N1 "user log entries from" W"to" Z
1890 PRINT"Delete up to? ";:ML=5:GOSUB6:GOSUB3:IFVAL(A$)=0THENCLOSE4:GOTO1010
1900 Y=VAL(A$):IFY<WORY>ZTHENPRINT"Illegal caller number!":CLOSE4:GOTO1010
1910 PRINT"DELETE user log entries" W"to" Y"???? ";:ML=1:GOSUB6:GOSUB3:GOSUB4:IFA$<>"Y"THENCLOSE4:GOTO1010
1920 FORX=Y-W+2TON1:GET4,X:PUT4,X-(Y-W+1):NEXTX
1930 Y=LOC(4)%-L1*(Y-W+1):PUT4,!#Y:CLOSE4
1940 GOTO1010
1950 PRINT"Choose one of:":PRINT:PRINT"<A> - All caller info":PRINT"<K> - Killed
messages log":PRINT"<N> - New user info":PRINT"<Q> - Quit":PRINT"<?> - Display
this help":GOTO1650
1960 PRINT"The current date/time is: "FNG$:PRINT
1970 RE=-1:PRINT"What is the current date/time? ";:ML=21:GOSUB6:GOSUB5:GOSUB3:IF
A$=""THEN1010
1980 GOSUB13:IFRE=0THEN1970ELSERE=0:POKEOU+18,ASC(S1$):POKEOU+17,ASC(MID$(S1$,2))
:POKEOU+16,ASC(MID$(S1$,3)):POKEOU+15,ASC(MID$(S1$,4)):POKEOU+14,ASC(MID$(S1$,5))
)
1990 PRINT"Choose the current day":PRINT:FORX=1TO7:PRINTX"- "DA$(X):NEXT:PRINT
2000 PRINT"What day is it? ";:ML=1:GOSUB6:GOSUB4:IFVAL(A$)<1ORVAL(A$)>7THEN2000
2010 POKEOU+19,ASC(Y$)-48
2020 GOTO1010
2030 ZZ=NOTZZ:IFZZTHENPRINTSN$" is now UP!":GOTO1010
2040 PRINTSN$" is now DOWN!":GOTO1010
2050 A5$=PR$
2060 LSETPR$=A5$:PRINT"Priv: ":"NAME4RIGHT$(PR$,1)+MID$(PR$,2,1)+LEFT$(PR$,1)
2070 IFPEEK(OU+10)AND128THEN2080ELSEA$=F$:GOSUB3:IFA$<>A1$THEN2080ELSEA$=L$:GOSU
B3:IFA$<>A2$THEN2080ELSEPRINT:PRINT"(You may not modify your own privs)":RETURN
2080 PRINT"? ";:ML=10:GOSUB6:GOSUB3:GOSUB4:IFA$=""THENRETURN
2090 IFLEFT$(A$,1)="D"THENMID$(A5$,2,1)=CHR$((ASC(MID$(A5$,2))AND240)ORVAL(MID$(A$,2))):GOTO2060
2100 Z=0:IFMID$(A$,2,1)>"1"THENY=3ELSEY=2
2110 FORF5=YTOLEN(A$):IFMID$(A$,F5,1)<"0"ORMID$(A$,F5,1)>"1"THENPRINT"Illegal bi
nary number!":GOTO2060
2120 Z=Z*2+ASC(MID$(A$,F5))-48:NEXTF5
2130 IFLEFT$(A$,1)="A"THENF5=ASC(RIGHT$(A5$,1)):GOSUB2190:MID$(A5$,3,1)=CHR$(F5)
:GOTO2060
2140 IFLEFT$(A$,1)<>"C"THEN2170ELSEF5=ASC(LEFT$(A5$,1)):F3=F5:GOSUB2190
2150 IFPEEK(OU+10)AND128THENMID$(A5$,1,1)=CHR$(F5):GOTO2060
2160 IF(F5AND132)<>(F4AND132)THENPRINT"You may not change someone's Sysop status
!":GOTO2060ELSEMID$(A5$,1,1)=CHR$(F5):GOTO2060
2170 IFLEFT$(A$,1)<>"B"THEN2060
2180 Z=ZAND15:F5=ASC(MID$(A5$,2,1))/16:GOSUB2190:MID$(A5$,2,1)=CHR$((ASC(MID$(A5
$,2,1))AND15)+F5*16):GOTO2060
2190 IFY=2THENF5=Z:RETURN
2200 IFMID$(A$,2,1)="0"THENF5=F5ORZ:RETURN
2210 IFMID$(A$,2,1)="A"THENF5=F5ANDZ:RETURN

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2220 IFMID$(A$,2,1)="N"THENF5=(NOTZ)AND255:RETURN
2230 IFMID$(A$,2,1)="M"THENF5=F5ANDNOTZ
2240 RETURN
2250 PRINT:PRINT"<Lev: Sublevels>":PRINT"Enter <C,D,L,N,Q,?,?>: ";:ML=1:GOSUB6:GOS
UB4:IFA$=""THEN2250
2260 IFFLTHENPRINT#3,TIME$" - Pv: S1: "A$
2270 ONINSTR("CDLNQ?",A$)GOTO2440,2380,2310,2330,1010,2290
2280 GOTO2250
2290 PRINT"Choose one of:";PRINT"<C> - Create a sublevel";PRINT"<D> - Delete a s
ublevel";PRINT"<L> - List sublevels";PRINT"<N> - Rename a sublevel"
2300 PRINT"<Q> - Quit";PRINT"<?> - Display this help":GOT02250
2310 PRINT"Sublevels":PRINT:FORX=0TO9:PRINTCHR$(X+48)". ";:IFLV$(X)=""THENPRINT
"<Nonexistant>"ELSEPRINTLV$(X)
2320 NEXTX:GOT02250
2330 PRINT"Sublevel to rename? ";:ML=1:GOSUB6:GOSUB3:IFA$=""THEN2250ELSEX=VAL(A$)
:IFLV$(X)=""THENPRINT"That sublevel is nonexistant!":GOT02250
2340 PRINT"Sublevel "CHR$(X+48)'s current name is: "LV$(X)
2350 PRINT"New name? ";:ML=25:GOSUB6:GOSUB3:IFA$=""THEN2250ELSELV$(X)=A$:
2360 GOSUB17:GET4,2:FORX=0TO9:LSETL1$(X)=LV$(X):NEXTX:PUT4,2:CLOSE4
2370 GOT02250
2380 PRINT"Sublevel to delete? ";:ML=1:GOSUB6:GOSUB3:IFA$=""THEN2250ELSEX=VAL(A$)
:IFLV$(X)=""THENPRINT"That sublevel doesn't exist anyway!":GOT02250
2390 LV=X:GOSUB19:CLOSE4:IFN5THENPRINT"I can't delete a non-empty sublevel!":GOT
02250
2400 PRINT"You have asked to DELETE sublevel"X"- "LV$(X)
2410 PRINT:PRINT"Are you SURE??? ";:ML=1:GOSUB6:GOSUB3:GOSUB4:IFA$=""THEN2410ELS
EIFA$<>"Y"THEN2250
2420 KILL"GROUPS"+CHR$(X+48)+"/TFC"
2430 LV$(X)="" :GOT02360
2440 PRINT"Create sublevel number? ";:ML=1:GOSUB6:GOSUB3:IFA$=""THEN2250ELSEX=VA
L(A$):IFLV$(X)<>""THENPRINT"That sublevel already exists!":GOT02250
2450 PRINT"Name? ";:ML=25:GOSUB6:GOSUB3:IFA$=""THEN2250ELSEA4$=A$:
2460 PRINT"About to create sublevel"X"- "A4$"...Ok? ";:ML=1:GOSUB6:GOSUB4:GOSUB3
:IFA$<>"Y"THEN2250
2470 LV$(X)=A4$:CMD"CREATE, GROUPS"+CHR$(X+48)+"/TFC":+D5$:PRINT"Sublevel created
!"
2480 GOT02360
2490 L=N3:R=1:F1=0
2500 M=INT((R+L)/2):IFR>LTHENRETURNELSEGET4,M:IFCVI(MN$)=WTHENF1=-1:RETURN
2510 IFCVI(MN$)<WTHENR=M+1ELSEL=M-1
2520 GOT02500
2530 IF(PEEK(OU+10)AND128)=0THENPRINT"Illegal Remote Sysop function!":GOT01010
2540 PRINT:PRINT"<Lev: Voting>":PRINT"Enter <C,D,L,Q,Z,?,?>: ";:ML=1:GOSUB6:GOSUB4
:IFA$=""THEN2540
2550 IFFLTHENPRINT#3,TIME$" - Pv: Vo: "A$
2560 ONINSTR("CDQZ?L",A$)GOTO2580,2720,1010,2670,2750,2760
2570 GOTO2540
2580 PRINT"Create voting category number? ";:ML=2:GOSUB6:GOSUB3:IFVAL(A$)<=0THEN
2540
2590 A$="VOTE"+MID$(STR$(VAL(A$)),2)+"/TFC":FD=4:GOSUB28
2600 FORX=0TO12:LSETV$(X)=MKI$(-1):NEXT:PUT4,1:PUT4,2
2610 PRINT"Enter active items, <ENTER> to end:"
2620 PRINT"Item? ";:ML=1:GOSUB6:GOSUB4:GOSUB3:IFA$=""THEN2660
2630 IFA$<"A"ORA$>"Z"THENPRINT"Illegal entry!":GOT02620
2640 Y=ASC(A$)-65:GET4,Y/13+1:Z=Y-INT(Y/13)*13:LSETV$(Z)=MKI$(0):PUT4,Y/13+1
2650 GOT02620
2660 CLOSE4:GOT02540
2670 PRINT"Zero which voting category? ";:ML=2:GOSUB6:GOSUB3:IFVAL(A$)<=0THEN254
0
2680 A$="VOTE"+MID$(STR$(VAL(A$)),2)+"/TFC":FD=4:GOSUB28

```

```
2690 FORY=1TO2:GET4,Y:FORX=0TO12:IFCVI(V$(X))<>-1THENLSETV$(X)=MKI$(0)
2700 NEXTX:PUT4,Y:NEXTY
2710 PUT4,!#(L6*2):CLOSE4:GOTO2540
2720 PRINT"Delete voting category number? ";:ML=2:GOSUB6:GOSUB3:IFVAL(A$)<=0THEN
2540
2730 KILL"VOTE"+MID$(STR$(VAL(A$)),2)"/TFC":KILL"VOTEQ"+MID$(STR$(VAL(A$)),2)"/TFC"
2740 GOTO2540
2750 PRINT"Choose one of:";PRINT:PRINT"<C> - Create a voting file";PRINT"<D> - D
elete a voting file";PRINT"<L> - List voting record";PRINT"<Q> - Quit";PRINT"<?>
- Display this help":GOTO2540
2760 PRINT>List record in category number? ";:ML=2:GOSUB6:GOSUB3:IFVAL(A$)<=0THE
N2540
2770 A$="VOTE"+MID$(STR$(VAL(A$)),2)"/TFC":FD=4:GOSUB28
2780 IFN6<3THENPRINT"Empty voting category!":CLOSE4:GOTO2540
2790 FORX=3TON6:GET4,X:PRINTSD$;CHR$(ASC(CA$)+65):NEXTX
2800 CLOSE4:GOTO2540
```