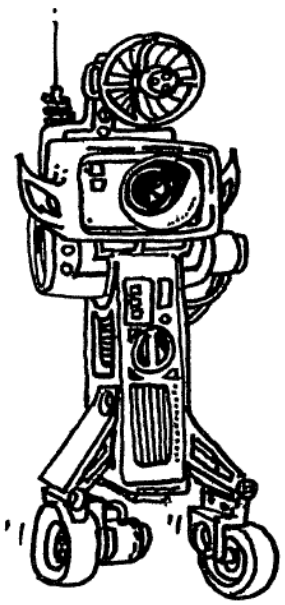
Super Star Trek®

Brief History

Many versions of Star Trek have been kicking around various college campuses since the late sixties. I recall playing one at Carnegie-Mellon Univ. in 1967 or 68, and a very different one at Berkeley. However, these were a far cry from the one written by Mike Mayfield of Centerline Engineering and/or Custom Data. This was written for an HP2000C and completed in October 1972. It became the "standard" Star Trek in February 1973 when it was put in the HP contributed program library and onto a number of HP Data Center machines.

In the summer of 1973, I converted the HP version to BASIC-PLUS for DEC's RSTS-11 compiler and added a few bits and pieces while I was at it. Mary Cole at DEC contributed enormously to this task too. Later that year I published it under the name SPACWR (Space War — in retrospect, an incorrect name) in my book *101 Basic Computer Games.* It is difficult today to find an interactive computer installation that does not have one of these versions of Star Trek available.



Quadrant Nomenclature

Recently, certain critics have professed confusion as to the origin of the "quadrant" nomenclature used on all standard CG (Cartesian Galactic) maps. Naturally, for anyone with the remotest knowledge of history, no explanation is necessary; however, the following synopsis should suffice for the critics:

As every schoolboy knows, most of the intelligent civilizations in the Milky Way had originated galactic designations of their own choosing well before the Third Magellanic Conference, at which the so-called "2^6 Agreement" was reached. In that historic document, the participant cultures agreed, in all two-dimensional representations of the galaxy, to specify 64 major subdivisions, ordered as an 8 x 8 matrix. This was partially in deference to the Earth culture (which had done much in the initial organization of the Federation), whose century-old galactic maps had always shown 16 major regions named after celestial landmarks of the Earth sky. Each of these regions was divided into four "quadrants," designated by ancient "Roman Numerals" (the origin of which has been lost).

To this day, the official logs of starships originating on near-Earth starbases still refer to the major galactic areas as "quadrants."

The relation between the Historical and Standard nomenclatures is shown in the simplified CG map below.

	1	2	3	4	5	6	7	8
1	ANTARES				SIRIUS			
	I	II	III	IV	I	II	III	IV
2	RIGEL				DENEB			
	I	II	III	IV	I	II	III	IV
3	PROCYON				CAPELLA			
	I	II	III	IV	I	II	III	IV
4	VEGA				BETELGEUSE			
	I	II	III	IV	I	II	III	IV
5	CANOPUS				ALDEBARAN			
	I	II	III	IV	I	II	III	IV
6	ALTAIR				REGULUS			
	I	II	III	IV	I	II	III	I
7	SAGITTARIUS				ARCTURUS			
	I	II	III	IV	I	II	III	IV
8	POLLUX				SPICA			
	I	II	III	IV	I	II	III	IV

Super Star Trek† Rules and Notes

by Robert Leedom and David Ahl

1. OBJECTIVE: You are Captain of the starship "Enterprise"† with a mission to seek and destroy a fleet of Klingon† warships (usually about 17) which are menacing the United Federation of Planets.† You have a specified number of stardates in which to complete your mission. You also have two or three Federation Starbases† for resupplying your ship.

2. You will be assigned a starting position somewhere in the galaxy. The galaxy is divided into an 8 x 8 quadrant grid. The astronomical name of a quadrant is called out upon entry into a new region. (See "Quadrant Nomenclature.") Each quadrant is further divided into an 8 x 8 section grid.

3. On a section diagram, the following symbols are used:

<*>	Enterprise	>!<	Starbase
+++	Klingon	*	Star

4. You have eight commands available to you. (A detailed description of each command is given in the program instructions.)

NAV	Navigate the Starship by setting course and warp engine speed.
SRS	Short-range sensor scan (one quadrant)
LRS	Long-range sensor scan (9 quadrants)
PHA	Phaser† control (energy gun)
TOR	Photon torpedo control
SHE	Shield control (protects against phaser fire)
DAM	Damage and state-of-repair report
COM	Call library computer

5. Library computer options are as follows (more complete descriptions are in program instructions):

0	Cumulative galactic record
1	Status report
2	Photon torpedo course data
3	Starbase navigation data
4	Direction/distance calculator
5	Quadrant nomenclature map

6. Certain reports on the ship's status are made by officers of the Enterprise who appeared on the original TV Show —Spock,† Scott,† Uhura,† Chekov,† etc.

7. Klingons are non-stationary within their quadrants. If you try to maneuver on them, they will move and fire on you.

8. Firing and damage notes:

A. Phaser fire diminishes with increased distance between combatants.
B. If a Klingon zaps you hard enough (relative to your shield strength) he will generally cause damage to some part of your ship with an appropriate "Damage Control" report resulting.
C. If you don't zap a Klingon hard enough (relative to his shield strength) you won't damage him at all. Your sensors will tell the story.
D. Damage control will let you know when out-of-commission devices have been completely repaired.

9. Your engines will automatically shut down if you should attempt to leave the galaxy, or if you should try to maneuver through a star, a Starbase, or — heaven help you — a Klingon warship.

10. In a pinch, or if you should miscalculate slightly, some shield control energy will be automatically diverted to warp engine control (if your shields are operational!).

11. While you're docked at a Starbase, a team of technicians can repair your ship (if you're willing for them to spend the time required — and the repairmen *always* underestimate...).

12. If, to save maneuvering time toward the end of the game, you should cold-bloodedly destroy a Starbase, you get a nasty note from Starfleet Command. If you destroy your *last* Starbase, you lose the game! (For those who think this is too harsh a penalty, delete lines 5360-5390, and you'll just get a "you dumdum!"-type message on all future status reports.)

13. End game logic has been "cleaned up" in several spots, and it is possible to get a new command after successfully completing your mission (or, after resigning your old one).

14. For those of you with certain types of CRT/keyboards setups (e.g. Westinghouse 1600), a "bell" character is inserted at appropriate spots to cause the following items to flash on and off on the screen:

- The Phrase "*RED*" (as in Condition: Red)
- The character representing your present quadrant in the cumulative galactic record printout.

15. This version of Star Trek was created for a Data General Nova 800 system with 32K or core. So that it would fit, the instructions are separated from the main program via a CHAIN. For conversion to DEC BASIC-PLUS, Statement 160 (Randomize) should be moved after the return from the chained instructions, say to Statement 245. For Altair BASIC, Randomize and the chain instructions should be eliminated.

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Program Listing - Instructions

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10 REM INSTRUCTIONS FOR "SUPER STARTREK"  MAR 5, 1978
20 FOR I=1 TO 12:PRINT:NEXT I
21 PRINT TAB(10);"****************************************"
22 PRINT TAB(10);"*                                      *"
23 PRINT TAB(10);"*                                      *"
30 PRINT TAB(10);"*       * * SUPER STAR TREK * *        *"
31 PRINT TAB(10);"*                                      *"
32 PRINT TAB(10);"*                                      *"
35 PRINT TAB(10);"****************************************"
36 FOR I=1 TO 8:PRINT:NEXT I
40 INPUT "DO YOU NEED INSTRUCTIONS (Y/N)";K$:IF K$="N" THEN 2000
44 PRINT
45 PRINT "TURN THE TTY ON-LINE AND HIT ANY KEY EXCEPT RETURN"
46 IF INP(1)=13 THEN 46
50 POKE 1229,2:POKE 1237,3:NULL 1
90 PRINT"     INSTRUCTIONS FOR 'SUPER STAR TREK'"
100 PRINT
110 PRINT"1. WHEN YOU SEE \COMMAND ?\ PRINTED, ENTER ONE OF THE LEGAL"
120 PRINT"     COMMANDS (NAV,SRS,LRS,PHA,TOR,SHE,DAM,COM, OR XXX)."
130 PRINT"2. IF YOU SHOULD TYPE IN AN ILLEGAL COMMAND, YOU'LL GET A SHOR
T"
140 PRINT"     LIST OF THE LEGAL COMMANDS PRINTED OUT."
150 PRINT"3. SOME COMMANDS REQUIRE YOU TO ENTER DATA (FOR EXAMPLE, THE"
160 PRINT"     'NAV' COMMAND COMES BACK WITH 'COURSE (1-9) ?'.)  IF YOU"
170 PRINT"     TYPE IN ILLEGAL DATA (LIKE NEGATIVE NUMBERS), THAT COMMAN
D"
180 PRINT"     WILL BE ABORTED"
190 PRINT
270 PRINT"     THE GALAXY IS DIVIDED INTO AN 8 X 8 QUADRANT GRID."
280 PRINT"AND EACH QUADRANT IS FURTHER DIVIDED INTO AN 8 X 8 SECTOR GRID
."
290 PRINT
300 PRINT"     YOU WILL BE ASSIGNED A STARTING POINT SOMEWHERE IN THE"
310 PRINT"GALAXY TO BEGIN A TOUR OF DUTY AS COMMANDER OF THE STARSHIP"
320 PRINT"\ENTERPRISE\; YOUR MISSION: TO SEEK AND DESTROY THE FLEET OF"
330 PRINT"KLINGON WARSHIPS WHICH ARE MENACING THE UNITED FEDERATION OF"
340 PRINT"PLANETS."
360 PRINT
370 PRINT"     YOU HAVE THE FOLLOWING COMMANDS AVAILABLE TO YOU AS CAPTA
IN"
380 PRINT"OF THE STARSHIP ENTERPRISE:"
385 PRINT
390 PRINT"\NAV\ COMMAND = WARP ENGINE CONTROL --"
400 PRINT"     COURSE IS IN A CIRCULAR NUMERICAL       4  3  2"
410 PRINT"     VECTOR ARRANGEMENT AS SHOWN              . . ."
420 PRINT"     INTEGER AND REAL VALUES MAY BE          ..."
430 PRINT"     USED.  (THUS COURSE 1.5 IS HALF-      5 ---*--- 1"
440 PRINT"     WAY BETWEEN 1 AND 2                     ..."
450 PRINT"                                             . . ."
460 PRINT"     VALUES MAY APPROACH 9.0, WHICH          6  7  8"
470 PRINT"     ITSELF IS EQUIVALENT TO 1.0"
480 PRINT"                                            COURSE"
490 PRINT"     ONE WARP FACTOR IS THE SIZE OF "
500 PRINT"     ONE QUADTANT.  THEREFORE, TO GET"
510 PRINT"     FROM QUADRANT 6,5 TO 5,5, YOU WOULD"
520 PRINT"     USE COURSE 3, WARP FACTOR 1."
530 PRINT
540 PRINT"\SRS\ COMMAND = SHORT RANGE SENSOR SCAN"
550 PRINT"     SHOWS YOU A SCAN OF YOUR PRESENT QUADRANT."
555 PRINT
560 PRINT"     SYMBOLOGY ON YOUR SENSOR SCREEN IS AS FOLLOWS:"
570 PRINT"        <*> = YOUR STARSHIP'S POSITION"
580 PRINT"        +K+ = KLINGON BATTLE CRUISER"
590 PRINT"        >!< = FEDERATION STARBASE (REFUEL/REPAIR/RE-ARM HERE!)
"
600 PRINT"         *  = STAR"
605 PRINT
610 PRINT"     A CONDENSED 'STATUS REPORT' WILL ALSO BE PRESENTED."
622 PRINT
640 PRINT"\LRS\ COMMAND = LONG RANGE SENSOR SCAN"
650 PRINT"     SHOWS CONDITIONS IN SPACE FOR ONE QUADRANT ON EACH SIDE"
660 PRINT"     OF THE ENTERPRISE (WHICH IS IN THE MIDDLE OF THE SCAN)"
670 PRINT"     THE SCAN IS CODED IN THE FORM \###\, WHERE TH UNITS DIGIT
"
680 PRINT"     IS THE NUMBER OF STARS, THE TENS DIGIT IS THE NUMBER OF"
690 PRINT"     STARBASES, AND THE HUNDRESDS DIGIT IS THE NUMBER OF"
700 PRINT"     KLINGONS."
705 PRINT
706 PRINT"     EXAMPLE - 207 = 2 KLINGONS, NO STARBASES, & 7 STARS."
710 PRINT
720 PRINT"\PHA\ COMMAND = PHASER CONTROL."
730 PRINT"     ALLOWS YOU TO DESTROY THE KLINGON BATTLE CRUISERS BY "
740 PRINT"     ZAPPING THEM WITH SUITABLY LARGE UNITS OF ENERGY TO"
750 PRINT"     DEPLETE THEIR SHIELD POWER.  (REMBER, KLINGONS HAVE"
760 PRINT"     PHASERS TOO!)"
770 PRINT
780 PRINT"\TOR\ COMMAND = PHOTON TORPEDO CONTROL"
790 PRINT"     TORPEDO COURSE IS THE SAME AS USED IN WARP ENGINE CONTROL
"
800 PRINT"     IF YOU HIT THE KLINGON VESSEL, HE IS DESTROYED AND"
810 PRINT"     CANNOT FIRE BACK AT YOU.  IF YOU MISS, YOU ARE SUBJECT TO
"
820 PRINT"     HIS PHASER FIRE.  IN EITHER CASE, YOU ARE ALSO SUBJECT TO
 "
825 PRINT"     THE PHASER FIRE OF ALL OTHER KLINGONS IN THE QUADRANT."
830 PRINT
835 PRINT"     THE LIBRARY-COMPUTER (\COM\ COMMAND) HAS AN OPTION TO "
840 PRINT"     COMPUTE TORPEDO TRAJECTORY FOR YOU (OPTION 2)"
850 PRINT
860 PRINT"\SHE\ COMMAND = SHIELD CONTROL"
870 PRINT"     DEFINES THE NUMBER OF ENERGY UNITS TO BE ASSIGNED TO THE"
880 PRINT"     SHIELDS.  ENERGY IS TAKEN FROM TOTAL SHIP'S ENERGY.  NOTE
"
890 PRINT"     THAT THE STATUS DISPLAY TOTAL ENERGY INCLUDES SHIELD ENER
GY"
900 PRINT
910 PRINT"\DAM\ COMMAND = DAMMAGE CONTROL REPORT"
920 PRINT"     GIVES THE STATE OF REPAIR OF ALL DEVICES.  WHERE A NEGATI
VE"
930 PRINT"     'STATE OF REPAIR' SHOWS THAT THE DEVICE IS TEMPORARILY"
940 PRINT"     DAMAGED."
950 PRINT
960 PRINT"\COM\ COMMAND = LIBRARY-COMPUTER"
970 PRINT"     THE LIBRARY-COMPUTER CONTAINS SIX OPTIONS:"
980 PRINT"     OPTION 0 = CUMULATIVE GALACTIC RECORD"
990 PRINT"        THIS OPTION SHOWES COMPUTER MEMORY OF THE RESULTS OF A
LL"
1000 PRINT"        PREVIOUS SHORT AND LONG RANGE SENSOR SCANS"
1010 PRINT"     OPTION 1 = STATUS REPORT"
1020 PRINT"        THIS OPTION SHOWS THE NUMBER OF KLINGONS, STARDATES,"
1030 PRINT"        AND STARBASES REMAINING IN THE GAME."
1040 PRINT"     OPTION 2 = PHOTON TORPEDO DATA"
1050 PRINT"        WHICH GIVES DIRECTIONS AND DISTANCE FROM THE ENTERPRI
SE"
1060 PRINT"        TO ALL KLINGONS IN YOUR QUADRANT"
1070 PRINT"     OPTION 3 = STARBASE NAV DATA"
1080 PRINT"        THIS OPTION GIVES DIRECTION AND DISTANCE TO ANY "
1090 PRINT"        STARBASE WITHIN YOUR QUADRANT"
1100 PRINT"     OPTION 4 = DIRECTION/DISTANCE CALCULATOR"
1110 PRINT"        THIS OPTION ALLOWS YOU TO ENTER COORDINATES FOR"
1120 PRINT"        DIRECTION/DISTANCE CALCULATIONS"
1130 PRINT"     OPTION 5 = CALACTIC /REGION NAME/ MAP"
1140 PRINT"        THIS OPTION PRINTS THE NAMES OF THE SIXTEEN MAJOR "
1150 PRINT"        GALACTIC REGIONS REFERRED TO IN THE GAME."
1990 POKE 1229,0:POKE 1237,1:NULL 0
2000 PRINT:PRINT:PRINT
2010 PRINT "TURN CASSETTE PLAYER ON AND HIT ANY KEY EXCEPT RETURN"
2020 IF INP(1)=13 THEN 2020
2030 PRINT
2040 PRINT "TURN CASSETTE PLAYER OFF AND "
2050 PRINT "TYPE 'RUN' WHEN COMPUTER PRINTS 'OK'"
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Program Listing - The Game

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10 REM SUPER STARTREK - MAY 16,1978 - REQUIRES 24K MEMORY
30 REM
40 REM ****         **** STAR TREK ****          ****
50 REM **** SIMULATION OF A MISSION OF THE STARSHIP ENTERPRISE,
60 REM **** AS SEEN ON THE STAR TREK TV SHOW.
70 REM **** ORIGIONAL PROGRAM BY MIKE MAYFIELD, MODIFIED VERSION
80 REM **** PUBLISHED IN DEC'S "101 BASIC GAMES", BY DAVE AHL.
90 REM **** MODIFICATIONS TO THE LATTER (PLUS DEBUGGING) BY BOB
100 REM *** LEEDOM - APRIL & DECEMBER 1974,
110 REM *** WITH A LITTLE HELP FROM HIS FRIENDS . . .
120 REM *** COMMENTS, EPITHETS, AND SUGGESTIONS SOLICITED --
130 REM *** SEND TO:  R. C. LEEDOM
140 REM ***           WESTINGHOUSE DEFENSE & ELECTRONICS SYSTEMS CNTR.
150 REM ***           BOX 746, M.S. 338
160 REM ***           BALTIMORE, MD  21203
170 REM ***
180 REM *** CONVERTED TO MICROSOFT 8 K BASIC 3/16/78 BY JOHN BORDERS
190 REM *** LINE NUMBERS FROM VERSION STREK7 OF 1/12/75 PRESERVED AS
200 REM *** MUCH AS POSSIBLE WHILE USING MULTIPLE STATEMENTS PER LINE
205 REM *** SOME LINES ARE LONGER THAN 72 CHARACTERS; THIS WAS DONE
210 REM *** BY USING "?" INSTEAD OF "PRINT" WHEN ENTERING LINES
215 REM ***
220 PRINT:PRINT:PRINT:PRINT:PRINT:PRINT:PRINT:PRINT:PRINT:PRINT:PRINT
221 PRINT"                                        ,------*------,"
222 PRINT"                    ,-------------   '---  ------'"
223 PRINT"                     '-------- --'      / /"
224 PRINT"                         ,---' '-------/ /--,"
225 PRINT"                          '----------------'":PRINT
226 PRINT"                    THE USS ENTERPRISE --- NCC-1701"
227 PRINT:PRINT:PRINT:PRINT:PRINT
260 CLEAR 600
270 Z$="                              "
330 DIM G(8,8),C(9,2),K(3,3),N(3),Z(8,8),D(8)
370 T=INT(RND(1)*20+20)*100:T0=T:T9=25+INT(RND(1)*10):D0=0:E=3000:E0=E
440 P=10:P0=P:S9=200:S=0:B9=0:K9=0:X$="":X0$=" IS "
470 DEF FND(D)=SQR((K(I,1)-S1)↑2+(K(I,2)-S2)↑2)
475 DEF FNR(R)=INT(RND(R)*7.98+1.01)
480 REM INITIALIZE ENTERPRIZE'S POSITION
490 Q1=FNR(1):Q2=FNR(1):S1=FNR(1):S2=FNR(1)
530 FOR I=1TO9:C(I,1)=0:C(I,2)=0:NEXTI
540 C(3,1)=-1:C(2,1)=-1:C(4,1)=-1:C(4,2)=-1:C(5,2)=-1:C(6,2)=-1
600 C(1,2)=1:C(2,2)=1:C(6,1)=1:C(7,1)=1:C(8,1)=1:C(8,2)=1:C(9,2)=1
670 FOR I=1TO8:D(I)=0:NEXTI
710 A1$="NAVSRSLRSPHATORSHEDAMCOMXXX"
810 REM SETUP WHAT EXHISTS IN GALAXY . . .
815 REM K3= # KLINGONS  B3= # STARBASES  S3= # STARS
820 FOR I=1TO3:FOR J=1TO8:K3=0:Z(I,J)=0:R1=RND(1)
850 IF R1>.98 THEN K3=3:K9=K9+3:GOTO980
860 IF R1>.95 THEN K3=2:K9=K9+2:GOTO980
870 IF R1>.80 THEN K3=1:K9=K9+1
880 B3=0:IF RND(1)>.96 THEN B3=1:B9=B9+1
1040 G(I,J)=K3*100+B3*10+FNR(1):NEXTJ:NEXTI:IF K9>T9 THEN T9=K9+1
1100 IF B9<>0 THEN 1200
1150 IF G(Q1,Q2)<200 THEN G(Q1,Q2)=G(Q1,Q2)+120:K9=K9+1
1160 B9=1:G(Q1,Q2)=G(Q1,Q2)+10:Q1=FNR(1):Q2=FNR(1)
1200 K7=K9:IF B9<>1 THEN K$="S":X0$=" ARE "
1230 PRINT"YOUR ORDERS ARE AS FOLLOWS:"
1240 PRINT"     DESTROY THE";K9;"KLINGON WARSHIPS WHICH HAVE INVADED"
1250 PRINT"   THE GALAXY BEFORE THEY CAN ATTACK FEDERATION HEADQUARTERS"
1260 PRINT"   ON STARDATE";T0+T9;"  THIS GIVES YOU";T9;"DAYS.  THERE";X0
$
1270 PRINT"  ";B9;"STARBASE";X$;" IN THE GALAXY FOR RESUPPLYING YOUR SHI
P"
1280 PRINT:PRINT"HIT ANY KEY EXCEPT RETURN WHEN READY TO ACCEPT COMMAND"
1300 I=RND(1):IF INP(1)=13 THEN 1300
1310 REM HERE ANY TIME NEW QUADRANT ENTERED
1320 Z4=Q1:Z5=Q2:K3=0:B3=0:S3=0:G5=0:D4=.5*RND(1):Z(Q1,Q2)=G(Q1,Q2)
1390 IF Q1<1 OR Q1>8 OR Q2<1 OR Q2>8 THEN 1680
1430 GOSUB 9030:PRINT:IF T0<>T THEN 1490
1460 PRINT"YOUR MISSION BEGINS WITH YOUR STARSHIP LOCATED"
1470 PRINT"IN THE GALACTIC QUADRANT, '";G2$;"'.":GOTO 1500
1490 PRINT"NOW ENTERING ";G2$;" QUADRANT . . ."
1500 PRINT:K3=INT(G(Q1,Q2)*.01):B3=INT(G(Q1,Q2)*.1)-10*K3
1540 S3=G(Q1,Q2)-100*K3-10*B3:IF K3=0 THEN 1590
1560 PRINT"COMBAT AREA      CONDITION RED":IF S>200 THEN 1590
1580 PRINT"   SHIELDS DANGEROUSLY LOW"
1590 FOR I=1TO3:K(I,1)=0:K(I,2)=0:NEXTI
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1600 FORI=1TO3:K(I,3)=0:NEXTI:Q$=Z$+Z$+Z$+Z$+Z$+Z$+Z$+Z$+LEFT$(Z$,17)
1660 REM POSITION ENTERPRISE IN QUADRANT, THEN PLACE "K3" KLINGONS, &
1670 REM "B3" STARBASES, & "S3" STARS ELSEWHERE.
1680 A$="<*>":Z1=S1:Z2=S2:GOSUB8670:IFK3<1THEN1820
1720 FORI=1TOK3:GOSUB8590:A$="+K+":Z1=R1:Z2=R2
1780 GOSUB8670:K(I,1)=R1:K(I,2)=R2:K(I,3)=S9*(0.5+RND(1)):NEXTI
1820 IFB3<1THEN1910
1880 GOSUB8590:A$=">!<":Z1=R1:B4=R1:Z2=R2:B5=R2:GOSUB8670
1910 FORI=1TOS3:GOSUB8590:A$=" * ":Z1=R1:Z2=R2:GOSUB8670:NEXTI
1980 GOSUB6430
1990 IFS+E>10THENIFE>10ORD(7)=0THEN2060
2020 PRINT:PRINT"** FATAL ERROR **   YOU'VE JUST STRANDED YOUR SHIP IN "
2030 PRINT"SPACE":PRINT"YOU HAVE INSUFFICIENT MANEUVERING ENERGY,";
2040 PRINT" AND SHIELD CONTROL":PRINT"IS PRESENTLY INCAPABLE OF CROSS";
2050 PRINT"-CIRCUITING TO ENGINE ROOM!!":GOTO6220
2060 INPUT"COMMAND";A$
2080 FORI=1TO9:IFLEFT$(A$,3)<>MID$(A1$,3*I-2,3)THEN2160
2140 ONIGOTO2300,1980,4000,4260,4700,5530,5690,7290,6270
2160 NEXTI:PRINT"ENTER ONE OF THE FOLLOWING:"
2180 PRINT"  NAV  (TO SET COURSE)"
2190 PRINT"  SRS  (FOR SHORT RANGE SENSOR SCAN)"
2200 PRINT"  LRS  (FOR LONG RANGE SENSOR SCAN)"
2210 PRINT"  PHA  (TO FIRE PHASERS)"
2220 PRINT"  TOR  (TO FIRE PHOTON TORPEDOES)"
2230 PRINT"  SHE  (TO RAISE OR LOWER SHIELDS)"
2240 PRINT"  DAM  (FOR DAMAGE CONTROL REPORTS)"
2250 PRINT"  COM  (TO CALL ON LIBRARY-COMPUTER)"
2260 PRINT"  XXX  (TO RESIGN YOUR COMMAND)":PRINT:GOTO1990
2290 REM COURSE CONTROL BEGINS HERE
2300 INPUT"COURSE (0-9)";C1:IFC1=9THENC1=1
2310 IFC1>=1ANDC1<9THEN2350
2330 PRINT"   LT. SULU REPORTS, 'INCORRECT COURSE DATA, SIR!'":GOTO1990
2350 X$="8":IFD(1)<0THENX$="0.2"
2360 PRINT"WARP FACTOR (0-"X$;")";:INPUTW1:IFD(1)<0ANDW1>.2THEN2470
2380 IFW1>0ANDW1<=8THEN2490
2390 IFW1=0THEN1990
2420 PRINT"   CHIEF ENGINEER SCOTT REPORTS 'THE ENGINES WON'T TAKE";
2430 PRINT" WARP ";W1;"!'":GOTO1990
2470 PRINT"WARP ENGINES ARE DAMAGED.  MAXIUM SPEED = WARP 0.2":GOTO1990
2490 N=INT(W1*8+.5):IFE-N>=0THEN2590
2500 PRINT"ENGINEERING REPORTS   'INSUFFICIENT ENERGY AVAILABLE"
2510 PRINT"                      FOR MANEUVERING AT WARP";W1;"!'"
2530 IFS<N-EORD(7)<0THEN1990
2550 PRINT"DEFLECTOR CONTROL ROOM ACKNOWLEGES";S;"UNITS OF ENERGY"
2560 PRINT"                         PRESENTLY DEPLOYED TO SHIELDS."
2570 GOTO1990
2580 REM KLINGONS MOVE/FIRE ON MOVING STARSHIP . . .
2590 FOPI=1TOK3:IFK(I,3)=0THEN2700
2610 A$="   ":Z1=K(I,1):Z2=K(I,2):GOSUB8670:GOSUB8590
2660 K(I,1)=Z1:K(I,2)=Z2:A$="+K+":GOSUB8670
2700 NEXTI:GOSUB6000:D1=0:D6=W1:IFW1>=1THEND6=1
2770 FORI=1TO8:IFD(I)>=0THEN2880
2790 D(I)=D(I)+D6:IFD(I)>=-.1ANDD(I)<0THEND(I)=-.1:GOTO2880
2800 IFD(I)<0THEN2880
2810 IFD1<>1THEND1=1:PRINT"DAMAGE CONTROL REPORT:  ";
2840 PRINTTAB(8);:R1=1:GOSUB8790:PRINTG2$;" REPAIR COMPLETED."
2860 NEXTI:IFRND(1)>.2THEN3070
2910 R1=FNR(1):IFRND(1)>=.6THEN3000
2930 D(R1)=D(R1)-(RND(1)*5+1):PRINT"DAMAGE CONTROL REPORT:  ";
2960 GOSUB8790:PRINTG2$;" DAMAGED":PRINT:GOTO3070
3000 D(R1)=D(R1)+RND(1)*3+1:PRINT"DAMAGE CONTROL REPORT:  ";
3030 GOSUB8790:PRINTG2$;" STATE OF REPAIR IMPROVED":PRINT
3060 REM BEGIN MOVING STARSHIP
3070 A$="   ":Z1=INT(S1):Z2=INT(S2):GOSUB8670
3110 X1=C(C1,1)+(C(C1+1,1)-C(C1,1))*(C1-INT(C1)):X=S1:Y=S2
3140 X2=C(C1,2)+(C(C1+1,2)-C(C1,2))*(C1-INT(C1)):Q4=Q1:C5=Q2
3170 FORI=1TON:S1=S1+X1:S2=S2+X2:IFS1<1ORS1>=9ORS2<1ORS2>=9THEN3500
3240 S8=INT(S1)*24+INT(S2)*3-26:IFMID$(C$,S8,2)="  "THEN3360
3320 S1=INT(S1-X1):S2=INT(S2-X2):PRINT"WARP ENGINES SHUT DOWN AT ";
3350 PRINT"SECTOR";S1;",";S2;"DUE TO BAD NAVAGATION":GOTO3370
3360 NEXTI:S1=INT(S1):S2=INT(S2)
3370 A$="<*>":Z1=INT(S1):Z2=INT(S2):GOSUB8670:GOSUB3910:T8=1
3430 IFW1<1THENT8=.1*INT(10*W1)
3450 T=T+T8:IFT>T0+T9THEN6220
3470 REM SEE IF DOCKED, THEN GET COMMAND
3480 GOTO1980
3490 REM EXCEEDED QUADRANT LIMITS
3500 X=8*Q1+X+N*X1:Y=8*Q2+Y+N*X2:Q1=INT(X/8):Q2=INT(Y/8):S1=INT(X-Q1*8)
3550 S2=INT(Y-Q2*8):IFS1=0THENQ1=Q1-1:S1=8
3590 IFS2=0THENQ2=Q2-1:S2=8
3620 X5=8:IFQ1<1THENX5=1:Q1=1:S1=1
3670 IFQ1>8THENX5=1:Q1=8:S1=8
3710 IFQ2<1THENX5=1:Q2=1:S2=1
3750 IFQ2>8THENX5=1:Q2=8:S2=8
3790 IFX5=0THEN3860
3800 PRINT"LT. UHURA REPORTS MESSAGE FROM STARFLEET COMMAND:"
3810 PRINT"  'PERMISSION TO ATTEMPT CROSSING OF GALACTIC PERIMETER"
3820 PRINT"  IS HEREBY *DENIED*.  SHUT DOWN YOUR ENGINES.'"
3830 PRINT"CHIEF ENGINEER SCOTT REPORTS  'WARP ENGINES SHUT DOWN"
3840 PRINT"  AT SECTOR";S1;",";S2;"OF QUADRANT";Q1;",";Q2;"-'"
3850 IFT>T0+T9THEN6220
3860 IFB*Q1+Q2=8*Q4+Q5THEN3370
3870 T=T+1:GOSUB3910:GOTO1320
3900 REM MANEUVER ENERGY S/R **
3910 E=E-N-10:IFE>=0THENRETURN
3930 PRINT"SHIELD CONTROL SUPPLIES ENERGY TO COMPLETE THE MANEUVER."
3940 S=S+E:E=0:IFS<=0THENS=0
3980 RETURN
3990 REM LONG RANGE SENSOR SCAN CODE
4000 IFD(3)<0THENPRINT"LONG RANGE SENSORS ARE INOPERABLE":GOTO1990
4030 PRINT"LONG RANGE SCAN FOR QUADRANT";Q1;",";Q2
4040 O1$="-------------------":PRINTO1$
4060 FORI=Q1-1TOQ1+1:N(1)=-1:N(2)=-2:N(3)=-3:FORJ=Q2-1TOQ2+1
4120 IFJ>0ANDI<9ANDJ>0ANDJ<9THENN(J-Q2+2)=G(I,J):Z(I,J)=G(I,J)
4180 NEXTJ:FORL=1TO3:PRINT":  ";:IFN(L)<0THENPRINT"*** ";:GOTO4230
4210 PRINTRIGHT$(STR$(N(L)+1000),3);" ";
4230 NEXTL:PRINT":":PRINTO1$:NEXTI:GOTO1990
4250 REM PHASER CONTROL CODE BEGINS HERE
4260 IFD(4)<0THENPRINT"PHASERS INOPERATIVE":GOTO1990
4265 IFK3>0THEN4330
4270 PRINT"SCIENCE OFFICER SPOCK REPORTS  'SENSORS SHOW NO ENEMY SHIPS"
4280 PRINT"                              IN THIS QUADRANT'":GOTO1990
4330 IFD(8)<0THENPRINT"COMPUTER FAILURE HAMPERS ACCURACY"
4350 PRINT"PHASERS LOCKED ON TARGET;  ";
4360 PRINT"ENERGY AVAILABLE =";E;"UNITS"
4370 INPUT"NUMBER OF UNITS TO FIRE";X:IFX<=0THEN1990
4400 IFE-X<0THEN4360
4410 E=E-X:IFD(7)<0THENX=X*RND(1)
4450 H1=INT(X/K3):FORI=1TO3:IFK(I,3)<=0THEN4670
4480 H=INT((H1/FND(0))*(RND(1)+2)):IFH>.15*K(I,3)THEN4530
4500 PRINT"SENSORS SHOW NO DAMAGE TO ENEMY AT ";K(I,1);",";K(I,2):GOTO4670
4530 K(I,3)=K(I,3)-H:PRINTH;"UNIT HIT ON KLINGON AT SECTOR";K(I,1);",";
4550 PRINTK(I,2):IFK(I,3)<=0THENPRINT"*** KLINGON DESTROYED ***":GOTO4580
4560 PRINT"   (SENSORS SHOW";K(I,3);"UNITS REMAINING)":GOTO4670
4580 K3=K3-1:K9=K9-1:Z1=K(I,1):Z2=K(I,2):A$="    ":GOSUB8670
4650 K(I,3)=0:G(Q1,Q2)=G(Q1,Q2)-100:Z(Q1,Q2)=G(Q1,Q2):IFK9<=0THEN6370
4670 NEXTI:GOSUB6000:GOTO1990
4690 REM PHOTON TORPEDO CODE BEGINS HERE
4700 IFP<=0THENPRINT"ALL PHOTON TORPEDOES EXPENDED":GOTO 1990
4730 IFD(5)<0THENPRINT"PHOTON TUBES ARE NOT OPERATIONAL":GOTO1990
4760 INPUT"PHOTON TORPEDO COURSE (1-9)";C1:IFC1=9THENC1=1
4780 IFC1>=1ANDC1<9THEN4850
4790 PRINT"ENSIGN CHEKOV REPORTS,  'INCORRECT COURSE DATA, SIR!'"
4800 GOTO1990
4850 X1=C(C1,1)+(C(C1+1,1)-C(C1,1))*(C1-INT(C1)):E=E-2:P=P-1
4860 X2=C(C1,2)+(C(C1+1,2)-C(C1,2))*(C1-INT(C1)):X=S1:Y=S2
4910 PRINT"TORPEDO TRACK:"
4920 X=X+X1:Y=Y+X2:X3=INT(X+.5):Y3=INT(Y+.5)
4960 IFX3<1ORX3>8ORY3<1ORY3>8THEN5490
5000 PRINT"                ";X3;",";Y3:A$="   ":Z1=X:Z2=Y:GOSUB8830
5050 IFZ3<>0THEN4920
5060 A$="+K+":Z1=X:Z2=Y:GOSUB8830:IFZ3=0THEN5210
5110 PRINT"*** KLINGON DESTROYED ***":K3=K3-1:K9=K9-1:IFK9<=0THEN6370
5150 FORI=1TO3:IFX3=K(I,1)ANDY3=K(I,2)THEN5190
5180 NEXTI:I=3
5190 K(I,3)=0:GOTO5430
5210 A$=" * ":Z1=X:Z2=Y:GOSUB8830:IFZ3=0THEN5280
5260 PRINT"STAR AT";X3;",";Y3;"ABSORBED TORPEDO ENERGY.":GOSUB6000:GOTO1990
5280 A$=">!<":Z1=X:Z2=Y:GOSUB8830:IFZ3=0THEN4760
5330 PRINT"*** STARBASE DESTROYED ***":B3=B3-1:B9=B9-1
5360 IFB9>0ORK9>T-T0-T9THEN5480
5370 PRINT"THAT DOES IT, CAPTAIN!!  YOU ARE HEREBY RELIEVED OF COMMAND"
5380 PRINT"AND SENTENCED TO 99 STARDATES AT HARD LABOR ON CYGNUS 12!!"
5390 GOTO 6270
5480 PRINT"STARFLEET COMMAND REVIEWING YOUR RECORD TO CONSIDER"
5410 PRINT"COURT MARTIAL!":D0=0
5430 Z1=X:Z2=Y:A$="   ":GOSUB8670
5470 G(Q1,Q2)=K3*100+B3*10+S3:Z(Q1,Q2)=G(Q1,Q2):GOSUB6000:GOTO1990
5490 PRINT"TORPEDO MISSED":GOSUB6000:GOTO1990
5520 REM SHIELD CONTROL
5530 IFD(7)<0THENPRINT"SHIELD CONTROL INOPERABLE":GOTO1990
5560 PRINT"ENERGY AVAILABLE =";E+S:INPUT"NUMBER OF UNITS TO SHIELDS";X
5580 IFX<0ORS=XTHENPRINT"<SHIELDS UNCHANGED>":GOTO1990
5590 IFX<=E+STHEN5630
5600 PRINT"SHIELD CONTROL REPORTS  'THIS IS NOT THE FEDERATION TREASURY.
'"
5610 PRINT"<SHIELDS UNCHANGED>":GOTO1990
5630 E=E+S-X:S=X:PRINT"DEFLECTOR CONTROL ROOM REPORT:"
5660 PRINT"  'SHIELDS NOW AT";INT(S);"UNITS PER YOUR COMMAND.'":GOTO1990
5680 REM DAMAGE CONTROL
5690 IFD(6)>=0THEN5910
5700 PRINT"DAMAGE CONTROL REPORT NOT AVAILABLE":IFD0=0THEN1990
5720 D3=0:FORI=1TO8:IFD(I)<0THEND3=D3+.1
5760 NEXTI:IFD3=0THEN1990
5780 PRINT:D3=D3+D4:IFD3>=1THEND3=.9
5810 PRINT"TECHNICIANS STANDING BY TO EFFECT REPAIRS TO YOUR SHIP;"
5820 PRINT"ESTIMATED TIME TO REPAIR:";.01*INT(100*D3);"STARDATES"
5840 INPUT"WILL YOU AUTHORIZE THE REPAIR ORDER (Y/N)";A$
5860 IFA$<>"Y"THEN 1990
5870 FORI=1TO8:IFD(I)<0THEND(I)=0
5890 NEXTI:T=T+D3+.1
5910 PRINT:PRINT"DEVICE              STATE OF REPAIR":FORR1=1TO8
5920 GOSUB8790:PRINTG2$;LEFT$(Z$,25-LEN(G2$));INT(D(R1)*100)*.01
5950 NEXTR1:PRINT:IFD0<>0THEN5720
5980 GOTO 1990
5990 REM KLINGONS SHOOTING
6000 IFK3<=0THENRETURN
6010 IFD0<>0THENPRINT"STARBASE SHIELDS PROTECT THE ENTERPRISE":RETURN
6040 FORI=1TO3:IFK(I,3)<=0THEN6200
6060 H=INT((K(I,3)/FND(1)))*(2+RND(1))):S=S-H:K(I,3)=K(I,3)/(3+RND(0))
6080 PRINTH;"UNIT HIT ON ENTERPRISE FROM SECTOR";K(I,1);",";K(I,2)
6090 IFS<=0THEN6240
6100 PRINT"      <SHIELDS DOWN TO";S;"UNITS>":IFH<20THEN6200
6120 IFRND(1)>.6ORH/S<=.02THEN6200
6140 R1=FNR(1):D(R1)=D(R1)-H/S-.5*RND(1):GOSUB8790
6170 PRINT"DAMAGE CONTROL REPORTS '";G2$;" DAMAGED BY THE HIT'"
6200 NEXTI:RETURN
6210 REM END OF GAME
6220 PRINT"IT IS STARDATE";T:GOTO 6270
6240 PRINT:PRINT"THE ENTERPRISE HAS BEEN DESTROYED.  THE FEDERATION ";
6250 PRINT"WILL BE CONQUERED":GOTO 6220
6270 PRINT"THERE WERE";K9;"KLINGON BATTLE CRUISERS LEFT AT"
6280 PRINT"THE END OF YOUR MISSION."
6290 PRINT:PRINT:IFB9=0THEN6360
6310 PRINT"THE FEDERATION IS IN NEED OF A NEW STARSHIP COMMANDER"
6320 PRINT"FOR A SIMILAR MISSION -- IF THERE IS A VOLUNTEER,"
6330 INPUT"LET HIM STEP FORWARD AND ENTER 'AYE'";A$:IFA$="AYE"THEN10
6360 END
6370 PRINT"CONGRULATION, CAPTAIN!  THE LAST KLINGON BATTLE CRUISER"
6380 PRINT"MENACING THE FEDERATION HAS BEEN DESTROYED.":PRINT
6400 PRINT"YOUR EFFICIENCY RATING IS";1000*(K7/(T-T0))↑2:GOTO6290
6420 REM SHORT RANGE SENSOR SCAN & STARTUP SUBROUTINE
6430 FORI=S1-1TOS1+1:FORJ=S2-1TOS2+1
6450 IFINT(I+.5)<1ORINT(I+.5)>8ORINT(J+.5)<1ORINT(J+.5)>8THEN6540
6490 A$=">!<":Z1=I:Z2=J:GOSUB8830:IFZ3=1THEN6580
6540 NEXTJ:NEXTI:D0=0:GOTO6650
6580 D0=1:C$="DOCKED":E=E0:P=P0
6620 PRINT"SHIELDS DROPPED FOR DOCKING PURPOSES":S=0:GOTO6720
6650 IFK3>0THENC$="*RED*":GOTO6720
6660 C$="GREEN":IFE<E0*.1THENC$="YELLOW"
6720 IFD(2)>=0THEN6770
6730 PRINT:PRINT"*** SHORT RANGE SENSORS ARE OUT ***":PRINT:RETURN
6770 O1$="---------------------------------":PRINTO1$:FORI=1TO8
6820 FORJ=(I-1)*24+1TO(I-1)*24+22STEP3:PRINT" "MID$(C$,J,3);:NEXTJ
6830 ONIGOTO6650,6900,6960,7020,7070,7120,7180,7240
6850 PRINT"          STARDATE           ";INT(T*10)*.1:GOTO7260
6900 PRINT"          CONDITION           ";C$:GOTO7260
6960 PRINT"          QUADRANT           ";Q1;",";Q2:GOTO7260
7020 PRINT"          SECTOR             ";S1;",";S2:GOTO7260
7070 PRINT"          PHOTON TORPEDOES   ";INT(P):GOTO7260
7120 PRINT"          TOTAL ENERGY       ";INT(E+S):GOTO7260
7180 PRINT"          SHIELDS            ";INT(S):GOTO7260
7240 PRINT"          KLINGONS REMAINING";INT(K9)
7260 NEXTI:PRINTO1$:RETURN
7280 REM LIBRARY COMPUTER CODE
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7290 IFD(8)<0THENPRINT"COMPUTER DISABLED":GOTO1990
7320 INPUT"COMPUTER ACTIVE AND AWAITING COMMAND";A:IFA<0THEN1990
7350 PRINT:H8=1:ONA+1GOTO7540,7900,8070,8500,8150,7400
7360 PRINT"FUNCTIONS AVAILABLE FROM LIBRARY-COMPUTER:"
7370 PRINT"   0 = CUMULATIVE GALACTIC RECORD"
7372 PRINT"   1 = STATUS REPORT"
7374 PRINT"   2 = PHOTON TORPEDO DATA"
7376 PRINT"   3 = STARBASE NAV DATA"
7378 PRINT"   4 = DIRECTION/DISTANCE CALCULATOR"
7380 PRINT"   5 = GALAXY 'REGION NAME' MAP":PRINT:GOTO7320
7390 REM SETUP TO CHANGE CUM GAL RECORD TO GALAXY MAP
7400 H8=0:G5=1:PRINT                                THE GALAXY":GOTO7550
7530 REM CUM GALACTIC RECORD
7540 INPUT"DO YOU WANT A HARDCOPY? IS THE TTY ON (Y/N)";A$
7542 IFA$="Y"THENPOKE1229,2:POKE1237,3:NULL1
7543 PRINT:PRINT"          ";
7544 PRINT"COMPUTER RECORD OF GALAXY FOR QUADRANT";Q1;",";Q2
7546 PRINT
7550 PRINT"       1     2     3     4     5     6     7     8"
7560 O1$="     ----- ----- ----- ----- ----- ----- ----- -----"
7570 PRINTO1$:FORI=1TO8:PRINTI;:IFH8=0THEN7740
7630 FORJ=1TO8:PRINT"   ";:IFZ(I,J)=0THENPRINT"***";:GOTO7720
7700 PRINTRIGHT$(STR$(Z(I,J)+1000),3);
7720 NEXTJ:GOTO7850
7740 Z4=I:Z5=1:GOSUB9030:J0=INT(15-.5*LEN(G2$)):PRINTTAB(J0);G2$:
7800 Z5=5:GOSUB 9030:J0=INT(39-.5*LEN(G2$)):PRINTTAB(J0);G2$;
7850 PRINT:PRINTO1$:NEXTI:PRINT:POKE1229,0:POKE1237,1:NULL0:GOTO1990
7890 REM STATUS REPORT
7900 PRINT "   STATUS REPORT:":X$="":IFK9>1THENX$="S"
7940 PRINT"KLINGON";X$;" LEFT: ";K9
7960 PRINT"MISSION MUST BE COMPLETED IN";.1*INT((T0+T9-T)*10);"STARDATES
"
7970 X$="S":IFB9<2THENX$="":IFB9<1THEN8010
7980 PRINT"THE FEDERATION IS MAINTAINING";B9;"STARBASE";X$;" IN THE GALA
XY"
7990 GOTO5690
8010 PRINT"YOUR STUPIDITY HAS LEFT YOU ON YOUR ON IN"
8020 PRINT"  THE GALAXY -- YOU HAVE NO STARBASES LEFT!":GOTO5690
8060 REM TORPEDO, BASE NAV, D/D CALCULATOR
8070 IFK3<=0THEN4270
8080 X$="":IFK3>1THENX$="S"
8090 PRINT"FROM ENTERPRISE TO KLINGON BATTLE CRUSER";X$
8100 H8=0:FORI=1TO3:IFK(I,3)<=0THEN8480
8110 W1=K(I,1):X=K(I,2)
8120 C1=S1:A=S2:GOTO8220
8150 PRINT"DIRECTION/DISTANCE CALCULATOR:"
8160 PRINT"YOU ARE AT QUADRANT ";Q1;",";Q2;" SECTOR ";S1;",";S2
8170 PRINT"PLEASE ENTER":INPUT"  INITIAL COORDINATES (X,Y)";C1,A
8200 INPUT"  FINAL COORDINATES (X,Y)";W1,X
8220 X=X-A:A=C1-W1:IFX<0THEN8350
8250 IFA<0THEN8410
8260 IFX>0THEN8280
8270 IFA=0THENC1=5:GOTO8290
8280 C1=1
8290 IFABS(A)<=ABS(X)THEN8330
8310 PRINT"DIRECTION =";C1+(((ABS(A)-ABS(X))+ABS(A))/ABS(A)):GOTO8460
8330 PRINT"DIRECTION =";C1+(ABS(A)/ABS(X)):GOTO8460
8350 IFA>0THENC1=3:GOTO8420
8360 IFX<>0THENC1=5:GOTO8290
8410 C1=7
8420 IFABS(A)>=ABS(X)THEN8450
8430 PRINT"DIRECTION =";C1+(((ABS(X)-ABS(A))+ABS(X))/ABS(X)):GOTO8460
8450 PRINT"DIRECTION =";C1+(ABS(X)/ABS(A))
8460 PRINT"DISTANCE =";SQR(X↑2+A↑2):IFH8=1THEN1990
8480 NEXTI:GOTO1990
8500 IFB3<>0THENPRINT"FROM ENTERPRISE TO STARBASE:";W1=B4:X=B5:GOTO8120
8510 PRINT"MR. SPOCK REPORTS,  'SENSORS SHOW NO STARBASES IN THIS";
8520 PRINT" QUADRANT.'":GOTO1990
8580 REM FIND EMPTY PLACE IN QUADRANT (FOR THINGS)
8590 R1=FNR(1):R2=FNR(1):A$="    ":Z1=R1:Z2=R2:GOSUB8630:IFZ3=0THEN8590
8600 RETURN
8660 REM INSERT IN STRING ARRAY FOR QUADRANT
8670 S8=INT(Z2-.5)*3+INT(Z1-.5)*24+1
8675 IF LEN(A$)<>3THEN PRINT"ERROR":STOP
8680 IFS8=1THENQ$=A$+RIGHT$(Q$,189):RETURN
8690 IFS8=190THENQ$=LEFT$(Q$,189)+A$:RETURN
8700 Q$=LEFT$(Q$,S8-1)+A$+RIGHT$(Q$,190-S8):RETURN
8780 REM PRINTS DEVICE NAME
8790 ONRIGOTO8792,8794,8796,8798,8800,8802,8804,8806
8792 G2$="WARP ENGINES":RETURN
8794 G2$="SHORT RANGE SENSORS":RETURN
8796 G2$="LONG RANGE SENSORS":RETURN
8798 G2$="PHASER CONTROL":RETURN
8800 G2$="PHOTON TUBES":RETURN
8802 G2$="DAMAGE CONTROL":RETURN
8804 G2$="SHIELD CONTROL":RETURN
8806 G2$="LIBRARY-COMPUTER":RETURN
8820 REM STRING COMPARISON IN QUADRANT ARRAY
8830 Z1=INT(Z1+.5):Z2=INT(Z2+.5):S8=(Z2-1)*3+(Z1-1)*24+1:?3=0
8890 IFMID$(Q$,S8,3)<>A$THENRETURN
8900 Z3=1:RETURN
9010 REM QUADRANT NAME IN G2$ FROM Z4,Z5 (=Q1,Q2)
9020 REM CALL WITH G5=1 TO GET REGION NAME ONLY
9030 IFZ5<=4THENONZ4GOTO9040,9050,9060,9070,9080,9090,9100,9110
9035 GOTO9120
9040 G2$="ANTARES":GOTO9210
9050 G2$="RIGEL":GOTO9210
9060 G2$="PROCYON":GOTO9210
9070 G2$="VEGA":GOTO9210
9080 G2$="CANOPUS":GOTO9210
9090 G2$="ALTAIR":GOTO9210
9100 G2$="SAGITTARIUS":GOTO9210
9110 G2$="POLLUX":GOTO9210
9120 ONZ4GOTO9130,9140,9150,9160              190,9200
9130 G2$="SIRIUS":GOTO9210
9140 G2$="DENEB":GOTO9210
9150 G2$="CAPELLA":GOTO9210
9160 G2$="BETELGEUSE":GOTO9210
9170 G2$="ALDEBARAN":GOTO9210
9180 G2$="REGULUS":GOTO9210
9190 G2$="ARCTURUS":GOTO9210
9200 G2$="SPICA"
9210 IFG5<>1THENONZ5GOTO9230,9240,9250,9260,9230,9240,9250,9260
9220 RETURN
9230 G2$=G2$+" I":RETURN
9240 G2$=G2$+" II":RETURN
9250 G2$=G2$+" III":RETURN
9260 G2$=G2$+" IV":RETURN
OK
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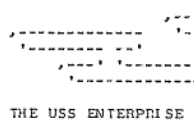
Sample Run - Instructions

```
          ************************************
          *                                  *
          *                                  *
          *      * * SUPER STAR TREK * *     *
          *                                  *
          *                                  *
          ************************************


DO YOU NEED INSTRUCTIONS (Y/N)? Y

TURN THE TTY ON-LINE AND HIT ANY KEY EXCEPT RETURN
     INSTRUCTIONS FOR 'SUPER STAR TREK'

1. WHEN YOU SEE \COMMAND ?\ PRINTED, ENTER ONE OF THE LEGAL
     COMMANDS (NAV,SRS,LRS,PHA,TOR,SHE,DAM,COM, OR XXX).
2. IF YOU SHOULD TYPE IN AN ILLEGAL COMMAND, YOU'LL GET A SHORT
     LIST OF THE LEGAL COMMANDS PRINTED OUT.
3. SOME COMMANDS REQUIRE YOU TO ENTER DATA (FOR EXAMPLE, THE
     'NAV' COMMAND COMES BACK WITH 'COURSE (1-9) ?'.)  IF YOU
     TYPE IN ILLEGAL DATA (LIKE NEGATIVE NUMBERS), THAT COMMAND
     WILL BE ABORTED

     THE GALAXY IS DIVIDED INTO AN 8 X 8 QUADRANT GRID,
AND EACH QUADRANT IS FURTHER DIVIDED INTO AN 8 X 8 SECTOR GRID.

     YOU WILL BE ASSIGNED A STARTING POINT SOMEWHERE IN THE
GALAXY TO BEGIN A TOUR OF DUTY AS COMMANDER OF THE STARSHIP
\ENTERPRISE\; YOUR MISSION: TO SEEK AND DESTROY THE FLEET OF
KLINGON WARWHIPS WHICH ARE MENACING THE UNITED FEDERATION OF
PLANETS.

     YOU HAVE THE FOLLOWING COMMANDS AVAILABLE TO YOU AS CAPTAIN
OF THE STARSHIP ENTERPRISE:

\NAV\ COMMAND = WARP ENGINE CONTROL --
     COURSE IS IN A CIRCULAR NUMERICAL       4  3  2
     VECTOR ARRANGEMENT AS SHOWN              . . .
     INTEGER AND REAL VALUES MAY BE            ...
     USED.  (THUS COURSE 1.5 IS HALF-      5 ---*--- 1
     WAY BETWEEN 1 AND 2                       ...
                                              . . .
     VALUES MAY APPROACH 9.0, WHICH          6  7  8
     ITSELF IS EQUIVALENT TO 1.0
                                              COURSE
     ONE WARP FACTOR IS THE SIZE OF
     ONE QUADTANT.  THEREFORE, TO GET
     FROM QUADRANT 6,5 TO 5,5, YOU WOULD
     USE COURSE 3, WARP FACTOR 1.

\SRS\ COMMAND = SHORT RANGE SENSOR SCAN
     SHOWS YOU A SCAN OF YOUR PRESENT QUADRANT.

     SYMBOLOGY ON YOUR SENSOR SCREEN IS AS FOLLOWS:
        <*> = YOUR STARSHIP'S POSITION
        +K+ = KLINGON BATTLE CRUISER
        >!< = FEDERATION STARBASE (REFUEL/REPAIR/RE-ARM HERE!)
         *  = STAR

     A CONDENSED 'STATUS REPORT' WILL ALSO BE PRESENTED.

\LRS\ COMMAND = LONG RANGE SENSOR SCAN
     SHOWS CONDITIONS IN SPACE FOR ONE QUADRANT ON EACH SIDE
     OF THE ENTERPRISE (WHICH IS IN THE MIDDLE OF THE SCAN)
     THE SCAN IS CODED IN THE FORM \###\, WHERE TH UNITS DIGIT
     IS THE NUMBER OF STARS, THE TENS DIGIT IS THE NUMBER OF
     STARBASES, AND THE HUNDRESDS DIGIT IS THE NUMBER OF
     KLINGONS.

     EXAMPLE - 207 = 2 KLINGONS, NO STARBASES, & 7 STARS.

\PHA\ COMMAND = PHASER CONTROL.
     ALLOWS YOU TO DESTROY THE KLINGON BATTLE CRUISERS BY
     ZAPPING THEM WITH SUITABLY LARGE UNITS OF ENERGY TO
     DEPLETE THEIR SHIELD POWER.  (REIBER, KLINGONS HAVE
     PHASERS TOO!)

\TOR\ COMMAND = PHOTON TORPEDO CONTROL
     TORPEDO COURSE IS THE SAME AS USED IN WARP ENGINE CONTROL
     IF YOU HIT THE KLINGON VESSEL, HE IS DESTROYED AND
     CANNOT FIRE BACK AT YOU.  IF YOU MISS, YOU ARE SUBJECT TO
     HIS PHASER FIRE.  IN EITHER CASE, YOU ARE ALSO SUBJECT TO
     THE PHASER FIRE OF ALL OTHER KLINGONS IN THE QUADRANT.

     THE LIBRARY-COMPUTER (\COM\ COMMAND) HAS AN OPTION TO
     COMPUTE TORPEDO TRAJECTORY FOR YOU (OPTION 2)

\SHE\ COMMAND = SHIELD CONTROL
     DEFINES THE NUMBER OF ENERGY UNITS TO BE ASSIGNED TO THE
     SHIELDS.  ENERGY IS TAKEN FROM TOTAL SHIP'S ENERGY.  NOTE
     THAT THE STATUS DISPLAY TOTAL ENERGY INCLUDES SHIELD ENERGY

\DAM\ COMMAND = DAMAGE CONTROL REPORT
     GIVES THE STATE OF REPAIR OF ALL DEVICES.  WHERE A NEGATIVE
     'STATE OF REPAIR' SHOWS THAT THE DEVICE IS TEMPORARILY
     DAMAGED.

\COM\ COMMAND = LIBRARY-COMPUTER
     THE LIBRARY-COMPUTER CONTAINS SIX OPTIONS:
     OPTION 0 = CUMULATIVE GALACTIC RECORD
        THIS OPTION SHOWES COMPUTER MEMORY OF THE RESULTS OF ALL
        PREVIOUS SHORT AND LONG RANGE SENSOR SCANS
     OPTION 1 = STATUS REPORT
        THIS OPTION SHOWS THE NUMBER OF KLINGONS, STARDATES,
        AND STARBASES REMAINING IN THE GAME.
     OPTION 2 = PHOTON TORPEDO DATA
        WHICH GIVES DIRECTIONS AND DISTANCE FROM THE ENTERPRISE
        TO ALL KLINGONS IN YOUR QUADRANT
     OPTION 3 = STARBASE NAV DATA
        THIS OPTION GIVES DIRECTION AND DISTANCE TO ANY
        STARBASE WITHIN YOUR QUADRANT
     OPTION 4 = DIRECTION/DISTANCE CALCULATOR
        THIS OPTION ALLOWS YOU TO ENTER COORDINATES FOR
        DIRECTION/DISTANCE CALCULATIONS
     OPTION 5 = CALACTIC /REGION NAME/ MAP
        THIS OPTION PRINTS THE NAMES OF THE SIXTEEN MAJOR
        GALACTIC REGIONS REFERRED TO IN THE GAME.
```

Sample Run - Game



THE USS ENTERPRISE --- NCC-1701

```
YOUR ORDERS ARE AS FOLLOWS:
     DESTROY THE 8 KLINGON WARSHIPS WHICH HAVE INVADED
   THE GALAXY BEFORE THEY CAN ATTACK FEDERATION HEADQUARTERS
   ON STARDATE 3025   THIS GIVES YOU 25 DAYS.  THERE ARE
   3 STARBASES IN THE GALAXY FOR RESUPPLYING YOUR SHIP

HIT ANY KEY EXCEPT RETURN WHEN READY TO ACCEPT COMMAND

YOUR MISSION BEGINS WITH YOUR STARSHIP LOCATED
IN THE GALACTIC QUADRANT, 'BETELGEUSE I'.

---------------------------------
      *                                 STARDATE           3000
                                        CONDITION          GREEN
          *                             QUADRANT           4 , 5
                                        SECTOR             6 , 2
                                        PHOTON TORPEDOES   10
     <*>                        *       TOTAL ENERGY       3000
                                        SHIELDS            0
                                        KLINGONS REMAINING 8
---------------------------------
COMMAND? LRS
LONG RANGE SCAN FOR QUADRANT 4 , 5
-------------------
: 004 : 005 : 006 :
-------------------
: 003 : 003 : 108 :
-------------------
: 001 : 004 : 002 :
-------------------
COMMAND? NAV***SHE
ENERGY AVAILABLE = 3000 NUMBER OF UNITS TO SHIELDS? 2000
DEFLECTOR CONTROL ROOM REPORT:
  'SHIELDS NOW AT 2000 UNITS PER YOUR COMMAND.'
COMMAND? NAV
COURSE (0-9)? 1.16667
WARP FACTOR (0-8)? 1

NOW ENTERING BETELGEUSE II QUADRANT . . .

COMBAT AREA      CONDITION RED
---------------------------------
      *          *                    STARDATE           3001
          *                           CONDITION          *RED*
                *       *             QUADRANT           4 , 6
     <*>                *             SECTOR             4 , 2
                    +K+                 PHOTON TORPEDOES   10
                *                       TOTAL ENERGY       2982
                                        SHIELDS            2000
                     *                  KLINGONS REMAINING 8
---------------------------------
COMMAND? COM
COMPUTER ACTIVE AND AWAITING COMMAND? 2

FROM ENTERPRISE TO KLINGON BATTLE CRUSER
DIRECTION = 8.75
DISTANCE = 4.12311
COMMAND? TOR
PHOTON TORPEDO COURSE (1-9)? 8.75
TORPEDO TRACK:
                4 , 3
                5 , 4
                5 , 5
                5 , 6
*** KLINGON DESTROYED ***
COMMAND? LRS
LONG RANGE SCAN FOR QUADRANT 4 , 6
-------------------
: 005 : 006 : 005 :
-------------------
: 003 : 008 : 008 :
-------------------
: 004 : 002 : 003 :
-------------------
COMMAND? NAV
COURSE (0-9)? 5
WARP FACTOR (0-8)? 4

NOW ENTERING VEGA II QUADRANT . . .

---------------------------------
                                        STARDATE           3002
          *                             CONDITION          GREEN
                                        QUADRANT           4 , 2
     <*>  *            *                SECTOR             4 , 2
          *                             PHOTON TORPEDOES   9
                         *              TOTAL ENERGY       2938
                                        SHIELDS            2000
  *                                     KLINGONS REMAINING 7
---------------------------------
COMMAND? LRS
LONG RANGE SCAN FOR QUADRANT 4 , 2
-------------------
: 005 : 103 : 006 :
-------------------
: 102 : 006 : 006 :
-------------------
: 008 : 007 : 005 :
-------------------
COMMAND? NAV
COURSE (0-9)? 5
WARP FACTOR (0-8)? 1

NOW ENTERING VEGA I QUADRANT . . .

COMBAT AREA      CONDITION RED
---------------------------------
  *          *                        STARDATE           3003
                                      CONDITION          *RED*
                                      QUADRANT           4 , 1
     <*>                              SECTOR             4 , 2
 +K+                                  PHOTON TORPEDOES   9
                                      TOTAL ENERGY       2926
                                      SHIELDS            2000
                                      KLINGONS REMAINING 7
---------------------------------
COMMAND? PHA
PHASERS LOCKED ON TARGET;  ENERGY AVAILABLE = 920 UNITS
NUMBER OF UNITS TO FIRE? 100
 201 UNIT HIT ON KLINGON AT SECTOR 5 , 1
   (SENSORS SHOW 28.4468 UNITS REMAINING)
 41 UNIT HIT ON ENTERPRISE FROM SECTOR 5 , 1
      <SHIELDS DOWN TO 1959 UNITS>
COMMAND? PHA
PHASERS LOCKED ON TARGET;  ENERGY AVAILABLE = 820 UNITS
NUMBER OF UNITS TO FIRE? 14
 26 UNIT HIT ON KLINGON AT SECTOR 5 , 1
*** KLINGON DESTROYED ***
COMMAND? LRS
LONG RANGE SCAN FOR QUADRANT 4 , 1
-------------------
: *** : 005 : 103 :
-------------------
: *** : 002 : 006 :
-------------------
: *** : 008 : 007 :
-------------------
COMMAND? NAV
COURSE (0-9)? 2
WARP FACTOR (0-8)? 1.414

NOW ENTERING PROCYON II QUADRANT . . .

COMBAT AREA      CONDITION RED
---------------------------------
                <*>                     STARDATE           3004
                                        CONDITION          *RED*
                                        QUADRANT           3 , 2
 +K+       *                            SECTOR             1 , 5
      *                                 PHOTON TORPEDOES   9
                                        TOTAL ENERGY       2744
                                        SHIELDS            1959
      *                                 KLINGONS REMAINING 6
---------------------------------
COMMAND? COM
COMPUTER ACTIVE AND AWAITING COMMAND? 2

FROM ENTERPRISE TO KLINGON BATTLE CRUSER
DIRECTION = 5.75
DISTANCE = 5
COMMAND? LRS
LONG RANGE SCAN FOR QUADRANT 3 , 2
-------------------
: 007 : 006 : 007 :
-------------------
: 005 : 103 : 006 :
-------------------
: 002 : 006 : 006 :
-------------------
COMMAND? TOR
PHOTON TORPEDO COURSE (1-9)? 5.75
TORPEDO TRACK:
                2 , 4
                3 , 3
                3 , 2
                4 , 1
*** KLINGON DESTROYED ***
COMMAND? COM
COMPUTER ACTIVE AND AWAITING COMMAND? 3

COMPUTER RECORD OF GALAXY FOR QUADRANT 3 , 2

      1     2     3     4     5     6     7     8
    ----- ----- ----- ----- ----- ----- ----- -----
1   ***   ***   ***   ***   ***   ***   ***   ***
    ----- ----- ----- ----- ----- ----- ----- -----
2   007   006   007   ***   ***   ***   ***   ***
    ----- ----- ----- ----- ----- ----- ----- -----
3   005   003   006   004   005   006   005   ***
    ----- ----- ----- ----- ----- ----- ----- -----
4   002   006   006   003   003   008   008   ***
    ----- ----- ----- ----- ----- ----- ----- -----
5   008   007   005   001   004   002   003   ***
    ----- ----- ----- ----- ----- ----- ----- -----
6   ***   ***   ***   ***   ***   ***   ***   ***
    ----- ----- ----- ----- ----- ----- ----- -----
7   ***   ***   ***   ***   ***   ***   ***   ***
    ----- ----- ----- ----- ----- ----- ----- -----
8   ***   ***   ***   ***   ***   ***   ***   ***
    ----- ----- ----- ----- ----- ----- ----- -----

COMMAND? NAV
COURSE (0-9)? 7
WARP FACTOR (0-8)? 4

NOW ENTERING SAGITTARIUS II QUADRANT . . .

---------------------------------
                <*>                     STARDATE           3005
          *                             CONDITION          GREEN
               *                        QUADRANT           7 , 2
          *                             SECTOR             1 , 5
                                        PHOTON TORPEDOES   8
                                        TOTAL ENERGY       2736
                                        SHIELDS            1959
                                        KLINGONS REMAINING 5
---------------------------------
```

```
COMMAND? LRS
LONG RANGE SCAN FOR QUADRANT 7 , 2
-------------------
: 003 : 004 : 004 :
-------------------
: 003 : 003 : 001 :
-------------------
: 017 : 007 : 002 :
-------------------
COMMAND? NAV
COURSE (0-9)? 1
WARP FACTOR (0-8)? 3

NOW ENTERING ARCTURUS I QUADRANT . . .

---------------------------------
      *          <*>                  STARDATE           3006
  *                                    CONDITION          GREEN
                     *                 QUADRANT           7 , 5
          *                            SECTOR             1 , 5
      *                        *       PHOTON TORPEDOES   8
      *                                TOTAL ENERGY       2666
      .                                SHIELDS            1959
                                       KLINGONS REMAINING 5
---------------------------------
COMMAND? LRS
LONG RANGE SCAN FOR QUADRANT 7 , 5
-------------------
: 001 : 001 : 005 :
-------------------
: 003 : 007 : 006 :
-------------------
: 008 : 007 : 005 :
-------------------
COMMAND? NAV
COURSE (0-9)? 1
WARP FACTOR (0-8)? 2

NOW ENTERING ARCTURUS III QUADRANT . . .

---------------------------------
                  <*>                  STARDATE           3007
      *                                CONDITION          GREEN
  *                 *                  QUADRANT           7 , 7
                        *              SECTOR             1 , 5
                                       PHOTON TORPEDOES   8
                                       TOTAL ENERGY       2640
                                       SHIELDS            1959
                              *        KLINGONS REMAINING 5
---------------------------------
COMMAND? LRS
LONG RANGE SCAN FOR QUADRANT 7 , 7
-------------------
: 005 : 002 : 004 :
-------------------
: 006 : 005 : 002 :
-------------------
: 005 : 008 : 003 :
-------------------
COMMAND? COM
COMPUTER ACTIVE AND AWAITING COMMAND? 0

COMPUTER RECORD OF GALAXY FOR QUADRANT 7 , 7

      1     2     3     4     5     6     7     8
    ----- ----- ----- ----- ----- ----- ----- -----
 1   ***   ***   ***   ***   ***   ***   ***   ***
    ----- ----- ----- ----- ----- ----- ----- -----
 2   007   006   007   ***   ***   ***   ***   ***
    ----- ----- ----- ----- ----- ----- ----- -----
 3   005   003   006   004   005   006   005   ***
    ----- ----- ----- ----- ----- ----- ----- -----
 4   002   006   006   003   003   008   008   ***
    ----- ----- ----- ----- ----- ----- ----- -----
 5   008   007   005   001   004   002   003   ***
    ----- ----- ----- ----- ----- ----- ----- -----
 6   003   004   004   001   001   005   002   004
    ----- ----- ----- ----- ----- ----- ----- -----
 7   003   003   001   003   007   006   005   002
    ----- ----- ----- ----- ----- ----- ----- -----
 8   017   007   002   008   007   005   008   003
    ----- ----- ----- ----- ----- ----- ----- -----

COMMAND? COM
COMPUTER ACTIVE AND AWAITING COMMAND? 1

   STATUS REPORT:
KLINGONS LEFT:  5
MISSION MUST BE COMPLETED IN 16 STARDATES
THE FEDERATION IS MAINTAINING 3 STARBASES IN THE GALAXY

DEVICE              STATE OF REPAIR
WARP ENGINES                0
SHORT RANGE SENSORS         0
LONG RANGE SENSORS          0
PHASER CONTROL              0
PHOTON TUBES                0
DAMAGE CONTROL              0
SHIELD CONTROL              0
LIBRARY-COMPUTER            0

COMMAND? COM
COMPUTER ACTIVE AND AWAITING COMMAND? 4

DIRECTION/DISTANCE CALCULATOR:
YOU ARE AT QUADRANT  7 , 7  SECTOR  1 , 5
PLEASE ENTER
  INITIAL COORDINATES (X,Y)? 7,7
  FINAL COORDINATES (X,Y)? 4,8
DIRECTION = 2.66667
DISTANCE = 3.16228
COMMAND? NAV
COURSE (0-9)? 2.66667
WARP FACTOR (0-8)? 3.16228
```

Later in the run . . . .

```
NOW ENTERING SIRIUS I QUADRANT . . .

COMBAT AREA       CONDITION RED
---------------------------------
                                       STARDATE           3012.6
  *                                    CONDITION          *RED*
                                       QUADRANT           1 , 5
  *                                    SECTOR             5 , 2
     <*> +K+              *           PHOTON TORPEDOES   5
                                       TOTAL ENERGY       1741
              *                        SHIELDS            891
                        *              KLINGONS REMAINING 2
---------------------------------
COMMAND? TOR
PHOTON TORPEDO COURSE (1-9)? 1
TORPEDO TRACK:
                5 , 3
*** KLINGON DESTROYED ***
COMMAND? NAV
COURSE (0-9)? 5
WARP FACTOR (0-8)? 1
DAMAGE CONTROL REPORT:  LIBRARY-COMPUTER REPAIR COMPLETED.

NOW ENTERING ANTARES IV QUADRANT . . .

COMBAT AREA       CONDITION RED
---------------------------------
                                  *    STARDATE           3013.6
          *       +K+                  CONDITION          *RED*
                                  *    QUADRANT           1 , 4
                        *              SECTOR             5 , 2
     <*>                     *         PHOTON TORPEDOES   4
                                       TOTAL ENERGY       1721
                                       SHIELDS            891
  *           *           >!<          KLINGONS REMAINING 1
---------------------------------
COMMAND? COM
COMPUTER ACTIVE AND AWAITING COMMAND? 3

FROM ENTERPRISE TO STARBASE:
DIRECTION = 8.4
DISTANCE = 5.83095
COMMAND? NAV
COURSE (0-9)? 8.4
WARP FACTOR (0-8)? .583095
 154 UNIT HIT ON ENTERPRISE FROM SECTOR 3 , 3
      <SHIELDS DOWN TO 737 UNITS>
DAMAGE CONTROL REPORTS 'LONG RANGE SENSORS DAMAGED BY THE HIT'
DAMAGE CONTROL REPORT:  LONG RANGE SENSORS REPAIR COMPLETED.
WARP ENGINES SHUT DOWN AT SECTOR 7 , 6 DUE TO BAD NAVAGATION
SHIELDS DROPPED FOR DOCKING PURPOSES
---------------------------------
                                  *    STARDATE           3014.1
          *                            CONDITION          DOCKED
         +K+                      *    QUADRANT           1 , 4
                     *                 SECTOR             7 , 6
                           *           PHOTON TORPEDOES   10
                                       TOTAL ENERGY       3000
                     <*>               SHIELDS            0
  *           *           >!<          KLINGONS REMAINING 1
---------------------------------
COMMAND? DAM

DEVICE              STATE OF REPAIR
WARP ENGINES                .5
SHORT RANGE SENSORS         0
LONG RANGE SENSORS          .26
PHASER CONTROL              0
PHOTON TUBES                0
DAMAGE CONTROL              0
SHIELD CONTROL              .48
LIBRARY-COMPUTER            .18

COMMAND? COM
COMPUTER ACTIVE AND AWAITING COMMAND? 5

                    THE GALAXY
      1     2     3     4     5     6     7     8
    ----- ----- ----- ----- ----- ----- ----- -----
 1          ANTARES                 SIRIUS
    ----- ----- ----- ----- ----- ----- ----- -----
 2           RIGEL                  DENEB
    ----- ----- ----- ----- ----- ----- ----- -----
 3          PROCYON                 CAPELLA
    ----- ----- ----- ----- ----- ----- ----- -----
 4            VEGA                BETELGEUSE
    ----- ----- ----- ----- ----- ----- ----- -----
 5          CANOPUS                 ALDEBARAN
    ----- ----- ----- ----- ----- ----- ----- -----
 6           ALTAIR                 REGULUS
    ----- ----- ----- ----- ----- ----- ----- -----
 7        SAGITTARIUS               ARCTURUS
    ----- ----- ----- ----- ----- ----- ----- -----
 8           POLLUX                  SPICA
    ----- ----- ----- ----- ----- ----- ----- -----

COMMAND? PHA
PHASERS LOCKED ON TARGET;  ENERGY AVAILABLE = 3000 UNITS
NUMBER OF UNITS TO FIRE? 2909
 1415 UNIT HIT ON KLINGON AT SECTOR 3 , 3
*** KLINGON DESTROYED ***
CONGRULATION, CAPTAIN!  THE LAST KLINGON BATTLE CRUISER
MENACING THE FEDERATION HAS BEEN DESTROYED.

YOUR EFFICIENCY RATING IS 321.911


THE FEDERATION IS IN NEED OF A NEW STARSHIP COMMANDER
FOR A SIMILAR MISSION -- IF THERE IS A VOLUNTEER,
LET HIM STEP FORWARD AND ENTER 'AYE'? NAY
```