

# Westward-1847

by Jon C. Sherman

William E. Taylor sat despondent on what remained of his new \$200 wagon on a cold September morning in 1846. The spark from last night's cook fire that ignited the canvas top of the wagon might just be the last catastrophe needed to end the dreams of Bill and his family. How could it have happened so close to the end of the trail? Nineteen weeks ago in Independence, Missouri, Bill, his wife Martha, and children, Sara and Jamie, had headed westward toward a new life in Oregon. They paid \$300.00 for the best team in town, \$100.00 for warm clothing, \$50.00 for ammunition for the rifle and Bill's Colt .45, \$100.00 for flour, salt and beans, and another \$100.00 for medicine, wagon parts and other goods. It left them with only \$50.00 from the sale of their worn-out Kentucky farm. Bill wanted to buy more bullets or a couple sacks of flour, but Martha said no. They would make do with what they had.

"A real blessing, that woman," Bill thought, as he climbed down to inspect the damage for the tenth time. Without that \$50.00 they would have all died. A band of riders, who looked so friendly, turned out to be hostile. The Doc at the fort charged \$20.00 to patch up Bill's wounded leg. Another \$20.00 went to replace the clothes they had lost when the wagon was swamped in some nameless river. The last \$10.00 bought medicine when Sara caught pneumonia in the blizzard.

Bill pulled hard at the left rear wheel. It groaned. It had been groaning ever since it broke the first week into the mountains, and he was forced to spend a full day replacing the two ruined spokes. "It'll hold," Bill said, "now that the fire has lightened the load."

It was the mountain that had hurt the Taylors the most. The rugged trail and the snow in the passes stopped them for days; the bad water made the animals sick; the small and infrequent game meant they were hungry most of the time.

Bill finished his inspection as the sun struggled over the eastern mountains. He knelt and kissed Martha lightly on the cheek and pulled Jamie's blanket up against the morning cold. Then he picked up his rifle and the last box of bullets and headed into the forest.

By noon, Martha had sorted through the supplies, keeping what could be used and throwing out what was ruined. In the wagon sat three pounds of beans, five pounds of flour, a little salt and some coffee. "Not enough," she said to herself.

A rifle shot! And then another!! Far off, they echoed between the mountain walls. A minute passed . . . two minutes . . . and there was only silence. Five minutes. Had he missed? In ten minutes Martha's hope began to fade. Surely, he would have found the game animal by now and ended its pain with a final shot. Twenty minutes passed. Sara sat rocking her old doll and humming a hymn. Jamie just stared into the forest. He **had** missed. Martha was sure of it. She fought the tears and the hunger and set about watering the team. If worst came to worst they could....

Another shot!! It came from just inside the forest. Bill's yell, triumphant and relieved, started them all cheering. He **had** hit it! It must be a big animal to have run so long and so far before falling. They would eat well tonight. They **would** make it to their new home in Oregon.

William E. Taylor and his family and hundreds of others did make it to Oregon in 1846. Thousands came in the three decades from 1840 to 1870. Could you have made it? WESTWARD - 1847 is your chance to try.

You will first be asked how good a shot you are.

- (1) ace marksman
- (2) good shot
- (3) fair to middlin'
- (4) need more practice
- (5) shaky knees

The better you claim to be, the faster you will have to be with your rifle. However, you will have a better chance to hit your target as an 'ace marksman' than as a 'shaky knees'.

You have just spent \$200.00 for a new wagon and have \$700.00 left to buy a team of oxen, food, and supplies. You can spend \$200.00 to \$300.00 on your team. The more you spend, the better your animals will be and the faster you will go. The more food you have the less chance there is of getting sick. You will need bullets to drive away bandits and hostile riders, to fight off wolves, and to hunt for more food along the trail. One dollar buys a box of 50 bullets. You must have enough warm clothing for the cold weather and snow you will encounter in the mountains. Miscellaneous supplies include medicine, wagon and harness parts and other things you will need for sickness and emergency repairs.

You can spend all of your money in Independence, or you can save part of it to spend along the way. However, things cost more at the forts (forts appear every other turn). You can also hunt along the trail to replenish your food supply.

At the beginning of each turn, you will be told your current supply situation. All the amounts will be given in dollar values except bullets. You will be asked if you want to stop at a fort, hunt, or continue. Stopping at a fort costs time, but gives you the opportunity to buy food and supplies. Hunting costs time and bullets, but will add to your food supply if you are successful. Continuing is the fastest way to get to Oregon, provided you have enough supplies.

You will next be asked how well you want to eat. Eating well takes lots of food. Eating poorly risks illness.

From now until the beginning of the next turn your fate is in the hands of the computer, but don't just sit there! There may be bandits or wolves you will have to frighten off with your gun, or one of your oxen may wander off. Oops! Was that your daughter who just fell and broke her arm? Ouch!

When you must use your gun along the trail, you will be told to type a four letter word which sounds like a gunshot. The faster you type the word and hit the space-bar, the better chance you will have of hitting the target. Don't forget to hit the space-bar.

### Strategies:

It might be interesting to play the game a few times before reading this section. After all, most of the folk who started out from Independence in 1840-1870 did make it to Oregon or California with no more experience or information that you have now. However, if your aim is to complete your journey quickly and as safely as possible, I can offer some advice.

Your survival rests heavily on your ability to keep food on the table. I suggest you hunt on turns that do not have forts. If you miss, stop at the fort on the next turn and buy enough food to last you to the next fort. That way you will have enough, even if you should have bad luck on your next hunt.

The most devastating occurrence is an attack by hostile riders. Luckily for you, the riders, like the rain in Spain, stay mainly on the plain. It is advisable to get across the first 950 miles as fast as possible. Hunting and stopping at forts will only slow you down. Incidentally, the program's evaluation of the possible hostility of the riders is wrong 20 percent of the time.

Eating poorly invites sickness, and sickness invites disaster. However, if you have gone more than 1850 miles you can probably get away with it. Anything over 2040 miles will get you safely to Oregon.

### Program improvements:

WESTWARD-1847 is written for people with average typing ability. If you are an expert typist, or, as you become more proficient at typing four letter words, you should consider making these changes.

LINE NUMBER	CHANGE FROM	CHANGE TO
800	TT/4	TT/3 or TT/2
800	<S	< S + 2
810	TT < 45	TT < 35
950	M+200	M+175 or M+150

You can change the words to be typed when using your gun by changing the string variable S\$ in the shooting sub-routine line 2170.

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10 CLEAR950
20 DEFINT A,X,E,M
30 CC$=STRING$(60,32)
40 DIMD$(20)
50 CLS:PRINTCHR$(23):PRINT@400,"
    WESTWARD
    1847":GOSUB5000
55 /

    ** SET UP GAME **
60 CLS:PRINT:PRINT"
    HOW GOOD A SHOT ARE YOU WITH YOUR RIFLE?"
70 PRINT:PRINT"          (1) MARKSMAN
    (2) GOOD SHOT
    (3) FAIR
    (4) NEED PRACTICE
    (5) SHAKY KNEES"
80 PRINT"
    ENTER ONE OF THE ABOVE";
90 INPUTS
100 S=INT(S):IFS>5THENS=5 ELSE IFS<1THENS=1
110 F=1
120 CLS
125 /

    ** BUY SUPPLYS **
130 PRINT"HOW MUCH DO YOU WANT TO SPEND ON -
    YOUR OXEN TEAM ($200 - $300)
    FOOD
    AMMUNITION
    CLOTHING
    MISCELLANEOUS SUPPLIES"
140 PRINT@168," ";:INPUTA(1)
150 IFA(1)<200PRINT@168,"NOT ENOUGH"ELSEIFA(1)>300PRINT@168,"TOO
    MUCH"ELSEGOTO170
160 FORT=1TO250:NEXTT:PRINT@168,"          ";:GOTO140
170 GOSUB330
180 PRINT@296," ";:INPUTA(2)
190 IFA(2)<0THENX=296:GOSUB340:GOTO180
200 GOSUB330
210 PRINT@424," ";:INPUTA(3)

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220 IFB<0THENX=424:GOSUB340:GOTO210
230 GOSUB330
240 PRINT@552," ";:INPUTA(4)
250 IFA(4)<0THENX=552:GOSUB340:GOTO 240
260 GOSUB330
270 PRINT@680," ";:INPUTA(5)
280 IFA(5)<0THENX=680:GOSUB330:GOTO270
290 GOSUB330
300 A(6)=700-A(1)-A(2)-A(3)-A(4)-A(5)
310 IFA(6)>=0GOTO340
320 PRINT@0,"YOU OVERSPENT - YOU ONLY HAD $700 TO SPEND. TRY AG
AIN":GOSUB2290:GOTO110
330 PRINT@832,"YOU HAVE ";700-A(1)-A(2)-A(3)-A(4)-A(5);" DOLLARS
LEFT. ";:RETURN
340 A(3)=50*A(3)
350 PRINT@989,"ARE ALL OF THE AMOUNTS OK";:INPUTC$:IFLEFT$(C$,1)
="N"FORX=1TO6:A(X)=0:NEXT:GOTO110
355 '

      ** START EACH TURN **
360 RANDOM:IFA(5)<0GOTO1980
370 IFA(2)<0GOTO1960
375 '

      ** SET DATE **
380 RESTORE
390 CLS:T=T+1
400 IFT>20GOTO440
410 FORX=1TOT:READD$:NEXTX
420 DATA MARCH 29 ,APRIL 12 ,APRIL 26 ,MAY 10 ,MAY 24 ,JUNE 7 ,J
UNE 21 , JULY 5 ,JULY 19 ,AUGUST 2 ,AUGUST 16 ,AUGUST 31 ,SEPTEM
BER 13 ,SEPTEMBER 27 , OCTOBER 11 ,OCTOBER 25 ,NOVEMBER 8 ,NOVEM
BER 22 ,DECEMBER 6 ,DECEMBER 20
430 PRINT@0,"MONDAY, ";D$;"",1847          ";:GOTO460
440 PRINT@0,"YOU HAVE BEEN ON THE TRAIL TOO LONG -----
YOUR FAMILY DIES IN THE FIRST BLIZZARD OF WINTER."
450 GOTO2020
460 FORX=1TO6:IFA(X)<0THENA(X)=0
470 NEXTX
480 IFA(2)<13PRINT@704,"YOU'D BETTER DO SOME HUNTING OR BUY FOOD
!!!";
490 GOSUB2300
495 '

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**\*\* PRINT SCREEN \*\***

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500 PRINT@30,STRING$(30,32);:PRINT@30,"TOTAL MILEAGE IS ";M;
510 PRINT@64," FOOD BULLETS CLOTHING MISC. SUPP. CASH"
;
520 PRINT@128," ";A(2):PRINT@139,A(3);:PRINT@149,A(4);:PRINT@161
,A(5);:PRINT@173,A(6);
530 IF M>2040 GOSUB2290:GOTO2100
540 IF F=1PRINT@768,CC$;:PRINT@768,"DO YOU WANT TO (1) HUNT, OR
(2) CONTINUE";:GOTO560
550 PRINT@768,CC$;:PRINT@512,F$;:PRINT@768,"DO YOU WANT TO (1) H
UNT, (2) CONTINUE,
OR (3) STOP AT THE FORT";
555 '
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**\*\* GET CHOICE OF ACTION \*\***

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560 INPUTX
570 IF X<1 OR X>3 THEN X=2
580 IF X=1 AND A(3)<40 PRINT@832,CC$;:PRINT@832,"YOU DON'T HAVE
ENOUGH AMMUNITION TO HUNT.";:GOSUB2290:GOTO540
590 F=F*(-1)
600 ONXGOTO760,880
605 '
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**\*\* STOPPING AT FORT \*\***

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610 PRINT@704,CC$;:PRINT@704,"ENTER WHAT YOU WISH TO SPEND ON TH
E FOLLOWING";
620 PRINT@768,CC$;" ";:PRINT@768," FOOD BULLETS CLOTH
ING MISC. SUPP. ";
630 PRINT@832,CC$;:P1=835:GOSUB720
640 A(2)=A(2)+D*2/3
650 GOSUB720
660 A(3)=A(3)+D*3/3
670 GOSUB720
680 A(4)=A(4)+D*2/3
690 GOSUB720
700 A(5)=A(5)+D*2/3
710 M=M-25:GOTO880
720 PRINT@P1," ";:INPUTD
730 IF D<0 THEN D=0:RETURN
740 IF A(6)-D<0 PRINT@960,CC$;:PRINT@960,"YOU DON'T HAVE THAT MU
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CH - KEEP YOUR SPENDING DOWN";GOSUB2290:PRINT@960,CC$;:PRINT@P1
," ";:PRINT@P1," ";:GOTO720
750 A(6)=A(6)-D:P1=P1+11:RETURN
755 '

** HUNTING **
760 GOSUB2350:IF A(3)>40 GOTO 780
770 PRINT@704,"SORRY -- YOU NEED MORE BULLETS TO GO HUNTING";:GO
T0560
780 M=M-15
790 GOSUB2140
800 IF X>3 OR RND(100)<TT/4 OR RND(10)<S GOTO 870
810 IFTT<45THEN840
820 A(2)=A(2)+50-TT/75:A(3)=A(3)-10-TT/5
830 PRINT@768,"BULLS-EYE --
GOOD EATIN' TONIGHT !!";:GOSUB2290:GOTO880
840 PRINT@768,"RIGHT BETWEEN THE EYES --- YOU GOT A BIG ONE
FULL BELLIES TONIGHT!!";
850 A(2)=A(2)+52+RND(10):A(3)=A(3)-10-RND(8):GOSUB2290:GOTO880
860 GOTO 880
870 PRINT@768,"YOU MISSED---AND YOUR DINNER GOT AWAY....";:GOSU
B2290
880 IF A(2)<15 GOSUB2290:GOTO1960
890 GOSUB2350
895 '

** EATING? **
900 PRINT@768,"DO YOU WANT TO EAT (1) POORLY (2) MODERATELY (3
) WELL";:INPUT E
910 IFE>3ORE<1GOTO890
920 X=A(2)-5*(E+1)-RND(10)
930 IF X<0PRINT@896,"*** YOU CAN'T EAT THAT WELL ***";:GOTO8
90
940 A(2)=X
950 M=M+200-(220-A(1))/3+RND(10)
955 '

** RIDERS **
960 IF M>950 GOTO 1260
970 IF RND(100)>10*(5.2-(ABS(400-M)/90)+SQRT(((400-M)/900)*(400-M
)/90)) GOTO 1260
980 FORTT=1T01000:NEXT:CLS:PRINT@478,W$;:PRINT@256,SR$;:PRINT@27

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8, SR$; :PRINT@393, SR$; :PRINT@578, LR$; :PRINT@527, LR$;
990 PRINT@0, "RIDERS APPROACHING.  THEY "; :IF RND(10)<
'T "; :F1=1
1000 PRINT"LOOK HOSTILE";
1010 PRINT@724, "TACTICS";
1020 PRINT@768, "(1) RUN  (2) ATTACK  (3) CONTINUE  (4) CIRCLE WA
GONS";
1030 PRINT@832, "IF YOU RUN YOU'LL GAIN DISTANCE BUT TIRE YOU OXE
N.
IF YOU CIRCLE YOU'LL LOSE TIME BUT BE RELATIVELY SAFE. ";
1040 INPUTX1:GOSUB2350
1050 IF X1<1 OR X1>4 THEN 1020
1060 IF RND(5)=1 THEN F1=-1*F1
1070 ON X1-1 GOTO 1110,1190,1230
1080 M=M+20:A(1)=A(1)-20
1090 IF F1=1 GOTO 1190
1100 A(3)=A(3)-100:PRINT@768, "WHAT A FIGHT --
BUT YOU ESCAPED. "; :GOSUB2290:GOTO1260
1110 PRINT@0, CC$; :GOSUB2170
1120 A(3)=A(3)-120-TT/3
1130 GOSUB2350
1140 IF X>3 GOTO 1170
1150 IF TT<5*28 THEN 1180
1160 PRINT@768, "NICE SHOOTING --- YOU DROVE THEM OFF"; :GOSUB2290
:GOTO1260
1170 PRINT@768, "LOUSY SHOT --- YOU GOT KNIFED
YOU HAVE TO SEE OL' DOC BLANCHARD"; :GOSUB2290:A(6)=A(6)-20:IF A(
6)<0 THEN F3=1:GOTO1970 ELSE GOTO1260
1180 PRINT@768, "YOU NEED PRACTICE WITH YOUR COLT .45"; :GOSUB2290
1190 IF F1=1PRINT@832, "RIDERS WERE FRIENDLY"; :GOSUB2290:GOTO126
0
1200 A(3)=A(3)-150:M=M-15:A(1)=A(1)-10:A(2)=A(2)-25:A(4)=INT(A(4
)/1.5)
1210 PRINT@832, "RIDERS WERE HOSTILE"; :IF A(3)<0 GOSUB2290:GOTO12
20 ELSE PRINT" --- CHECK FOR LOSSES"; :GOSUB2290:GOTO1260
1220 CLS:PRINT"YOU RAN OUT OF AMMUNITION AND THE RIDERS KILLED Y
OU AND
YOUR FAMILY":GOSUB2290:GOTO2020
1230 M=M-20

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1240 IF F1=1PRINT@768,"THEY DIDN'T ATTACK";:ELSEPRINT@768,"YOU D
ROVE THEM OFF";:A(3)=A(3)-100
1250 GOSUB2290
1255 '

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    \*\* HAZARDS \*\*

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1260 CLS:GOSUB2300:IFM(950PRINT@387,T$;:PRINT@335,T$;
1270 RANDOM
1280 R1=RND(85)
1290 IF R1<7PRINT@683,"      ";:PRINT@768,"BROKEN WAGON WHEEL --
YOU MUST STOP AND USE SUPPLIES TO FIX IT.";:GOSUB2290:M=M-5-RND(
5):A(5)=A(5)-8:GOTO1610
1300 IF R1<12 PRINT@768,"OX INJURES A LEG ---
HE WILL SLOW YOU DOWN THE REST OF THE TRIP.";:GOSUB2290:A(1)=A(1
)-15-RND(10):GOTO1610
1310 IF R1<14PRINT@768,"YOUR ";:IF RND(2)=1 PRINT"SON BROKE HIS
";:ELSE PRINT"DAUGHTER BROKE HER ";:ELSE GOTO 1330
1320 PRINT"ARM --
YOU HAVE TO STOP AND MAKE A SLING.";:GOSUB2290:M=M-5-RND(5):A(5)
=A(5)-5:GOTO1610
1330 IF R1<16PRINT@768,"AN OX WANDERS OFF --
YOU MUST SPEND HALF A DAY LOOKING FOR IT.";:GOSUB2290:M=M-20:GOT
01610
1340 IF R1<18PRINT@768,"YOUR ";:X=RND(5):IF X<3PRINT"SON ";:ELSE
IF X<4PRINT"DOG ";:ELSE PRINT"DAUGHTER ";
1350 IFR1<18 PRINT"WANDERS AWAY FROM THE WAGON --
YOU MUST SPEND TIME LOOKING FOR ";:IF X<4PRINT"HIM.";:ELSEPRINT"
HER.";
1360 IF R1<18 GOSUB2290:M=M-10-RND(10):GOTO1610
1370 IF R1<23 PRINT@768,"BAD WATER --
YOU MUST SPEND TIME LOOKING FOR A CLEAN SPRING.";:GOSUB2290:M=M-
10-RND(10):GOTO1610
1380 IF R1<26 PRINT@768,"BANDITS ATTACK";:PRINT@0,CC$;CC$;:ELSE
GOTO 1460
1390 PRINT@583,LR$;:PRINT@526,LR$;:PRINT@595,LR$;:GOSUB2170
1400 A(3)=A(3)-TT:IF A(3)<0PRINT@768,"YOU RAN OUT OF BULLETS --
THEY GOT MOST OF YOUR MONEY.";:GOSUB2290:A(6)=INT(A(6)/1.5):IF R
ND(4)=1PRINT"  AND ";:GOTO1420
1410 IF X<3GOTO1450
1420 PRINT@896,"THEY SHOT YOU IN THE ";:IF RND(2)=1PRINT"ARM ";:

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ELSEPRINT"LEG ";
1430 PRINT"AND TOOK ONE OF YOUR OXEN
BETTER HAVE THE DOC LOOK AT YOUR WOUND!"; F3=1:GOSUB2290
1440 A(5)=A(5)-5:A(1)=A(1)-20:A(6)=A(6)-20:IF A(6)<0 GOTO 1960:EL
LSE GOTO1610
1450 PRINT@768,"FASTEST DRAW IN THE WEST !!
YOU CHASED 'EM AWAY!";:GOSUB2290:GOTO1610
1460 IF R1<28 PRINT@768,"THERE IS A FIRE IN YOUR WAGON --";:FOR Y
=21TO4STEP-1:FOR X=1TOY-3:Z=129-Y-RND(Y+2):SET(Z,Y):NEXT X,Y:ELSE
GOTO1480
1470 PRINT@832,"FOOD, CLOTHING AND SUPPLIES ARE DAMAGES.";:A(2)=
A(2)-RND(80):A(3)=A(3)-RND(500):A(4)=A(4)-RND(30):A(5)=A(5)-RND(
10):M=M-25:GOSUB2290:GOTO1610
1480 IF R1<33 PRINT@768,"YOU GET LOST IN HEAVY FOG.";:GOSUB2290:
M=M-10-RND(5):GOTO1610
1490 IF R1<35PRINT@768,"YOU KILL A POISONOUS SNAKE ";:A(3)=A(3)-
10:IF RND(4)<4PRINT"AFTER IT BITES YOU!";:A(5)=A(5)-5:ELSE:ELSE
GOTO 1510
1500 IF A(5)<0PRINT@896,"YOU HAVE RUN OUT OF MEDICINE -
SO YOU DIE OF SNAKEBITE!";:GOSUB2290:GOTO2020:ELSE GOSUB2290:GOT
O1610
1510 IF R1<45 PRINT@768,"YOUR WAGON GETS SWAMPED FORDING A RIVER
YOU LOSE FOOD AND CLOTHING.";:ELSE GOTO 1530
1520 FOR X=0TO62STEP3:PRINT@640+X,WT$(1);:PRINT@576+X,WT$(2);:NEX
T:GOSUB2290:A(2)=A(2)-RND(30):A(4)=A(4)-RND(20):M=M-15-RND(10):G
OTO1610
1530 IF R1<55PRINT@768,"WILD ANIMALS ATTACK!!";:FOR X=5TO15STEP5
:PRINT@644+X,WA$;:PRINT@581+X,WA$;:NEXT:PRINT@643,WA$;:PRINT@0,C
C$;CC$;:GOSUB2170:ELSE GOTO 1580
1540 A(3)=A(3)-TT/2
1550 IF A(3)<0PRINT@768,"YOU ARE TOO LOW ON BULLETS --
THE WOLVES OVERPOWER YOU!";:A(2)=A(2)-RND(20):A(5)=A(5)-10:IFA(5
)<0 THEN F3=1:GOTO1980:ELSEGOTO1610
1560 IF X>3PRINT@896,"THEY GOT AT YOUR FOOD AND CLOTHING!";:A(2)
=A(2)-RND(20):A(4)=A(4)-RND(10):GOSUB2290:GOTO1610
1570 PRINT@768,"NICE SHOOTIN' PARDNER --
THEY DIDN'T GET ANYTHING!";:GOSUB2290:GOTO1610
1580 IF R1<61PRINT@768,"FRIENDLY INDIANS HELP YOU FIND MORE FOOD

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.:GOSUB2290:A(2)=A(2)+RND(30):GOTO1610
1590 IF R1<66PRINT@768,"HAIL STORM --
YOUR OXEN ARE INJURED AND YOUR WAGON DAMAGED!";:GOSUB2340:GOSUB2
290:A(1)=A(1)-RND(10):A(5)=A(5)-RND(10):GOTO1610
1600 GOTO1620
1610 F4=1
1620 IFM>900 GOTO 1640
1630 IF R1>76PRINT@832,"HEAVY RAIN --
YOU MUST STOP AND WAIT IT OUT.":GOSUB2340:GOSUB2290:M=M-10-RND(
20):A(5)=A(5)-RND(10):F3=1
1635 '

    ** ILLNESS **
1640 IF E=3 AND RND(100)<13 GOTO 1670
1650 IF E=2 AND RND(100)<20 GOTO 1670
1660 IF E=1 AND RND(100)<26 GOTO 1670 :ELSE GOTO 1740
1670 GOSUB2350
1680 IF RND(9)<<(2[E]+1 GOTO 1710
1690 IF RND(10)<<(2[E]+1 GOTO 1720
1700 PRINT@768,"SERIOUS ILLNESS --
YOU MUST STOP TO SEE A DOCTOR!";:GOSUB2290:M=M-30:A(5)=A(5)-10:A
(6)=A(6)-20:IF A(6)<0 GOTO 1970 ELSE GOTO 1730
1710 PRINT@768,"MILD SICKNESS -- MEDICINE USED.":GOSUB2290:M=M-
5:A(5)=A(5)-5:GOTO1730
1720 PRINT@768,"VERY BAD ILLNESS --
YOU MUST STOP AND RECOVER.":GOSUB2290:M=M-20:A(5)=A(5)-10
1730 IF A(5)<0 GOTO 1980
1735 '

    ** MOUNTAINS **
1740 IF M<1050 GOTO 360
1750 IF F4=1 CLS.PRINT@478,W$:GOSUB2360:F4=0:ELSE GOSUB2350
1760 R1=RND(10)
1770 IF R1<5PRINT@21,"***  RUGGED MOUNTIANS  ***":A(1)=A(1)-R
ND(5):ELSE GOTO 1850
1780 IF R1=1PRINT@768,"YOU GOT LOST --
YOU LOSE A DAY TRYING TO FIND THE TRAIL!";:GOSUB2290:M=M-45:GOTO
1850
1790 IF R1=2PRINT@693,"      ":PRINT@768,"WAGON BREAKS DOWN --
YOU MUST USE SUPPLIES TO FIX IT.":GOSUB2290:M=M-15-RND(20):A(5)
=A(5)-5:GOTO1850
1800 IF R1=3PRINT@768,"STEEP TRAILS SLOW YOU DOWN.":GOSUB2290:M

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=M-20-RND(20):GOTO1850
1810 PRINT@768,"                                BRRRRRRRRRR!!!
        ***   COLD WEATHER   ***
        YOU";:IF A(4)<20PRINT" DON'T";
1820 PRINT" HAVE ENOUGH CLOTHING. ";:GOSUB2290
1830 IF A(4)<20 GOSUB2350:PRINT@768,"YOU AND YOUR FAMILY FREEZE
TO DEATH!";:GOSUB2290:GOTO2020
1845 '
        ** SNOW? **
1850 IF F2=0 AND RND(10)<9 THEN F2=1:GOTO1920
1860 IF M<1700 AND RND(10)<8 GOTO 1910
1870 IF RND(10)<3 GOTO 1910
1880 PRINT@768,"                                YOU MADE IT THROUGH ";:IF F2=0PRINT"S
OUTH ";:ELSEPRINT"THE ";
1890 PRINT"PASS
        ***   NO SNOW   ***";:GOSUB2290:F2=1:GOTO360
1900 GOTO 360
1910 IFF2=1ANDRND(10)<11-TGOTO360
1920 PRINT@0,CC$;:PRINT@768,"SNOW IN MOUNTAIN PASS --
TIME AND SUPPLIES LOST. ";:FORX=1TO600:XX=RND(126):YY=RND(33):SET
(XX,YY):NEXTX
1930 GOSUB2290:A(1)=A(1)-5:A(2)=A(2)-5:A(5)=A(5)-RND(10):M=M-40-
RND(40)
1940 IF A(4)<20GOSUB2350:PRINT@768,"YOU DON'T HAVE ENOUGH WARM C
LOTHING --
YOU AND YOUR FAMILY FREEZE TO DEATH!";:GOSUB2290:GOTO2020
1950 GOTO 360
1955 '
        ** DYING **
1960 GOSUB2350:PRINT@768,"YOU RAN OUT OF FOOD AND STARVED TO DEA
TH";:GOTO2020
1970 GOSUB2350:T=0:PRINT@768,"YOU CAN'T AFFORD A DOCTOR
YOU DIED FROM LACK OF MEDICAL ATTENTION. ";:GOSUB2290:GOTO1980
1980 GOSUB2350:PRINT@768,"YOU RAN OUT OF MEDICAL SUPPLIES.
YOU DIED OF ";
1990 IF F3=1 GOTO 2010
2000 PRINT"PNEUMONIA. ";:GOTO2020
2010 PRINT"INJURIES";
2020 GOSUB2290:CLS

```

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2040 PRINT:PRINT"WOULD YOU LIKE A FANCY FUNERAL";:INPUTC$
2050 PRINT:PRINT"WOULD YOU LIKE US TO INFORM YOUR NEXT OF KIN";:
INPUTC$
2060 IF LEFT$(C$,1)="N" THEN 2080
2070 PRINT:PRINT"THAT WILL BE $.50 FOR THE TELEGRAPH CHARGE."
2080 GOSUB2290:PRINT:PRINT"SORRY YOU DIDN'T MAKE IT TO OREGON.
BETTER LUCK NEXT TIME."
2090 INPUT"
PRESS ENTER FOR A NEW GAME";Q$:RUN
2100 '
2105 '

      ** SUCCESS **
2110 GOSUB2350:PRINT@768,"YOU FINALLY ARRIVED AT OREGON CITY
AFTER ";M;" LONG MILES --- HOORAY!!!";
2120 GOSUB2290:GOSUB2350:PRINT@768,"      *** CONGRATULATIONS
***";
2130 GOSUB2290:GOSUB2350:PRINT@768,"WE WISH YOU A GOOD LIFE
IN YOUR NEW HOME.";:INPUT"
PRESS ENTER FOR A NEW GAME";Q$:RUN
2135 '

      ** SHOOTING **
2140 CLS
2150 FOR X=0TO20STEP8:Y=RND(4):Z=RND(4):PRINT@64+X+Y*64,T$;:PRIN
T@99+X+Z*64,T$;:NEXTX
2160 Z=RND(500):FORX=1TOZ:NEXTX:PRINT@472,E$;
2170 A1$="":R$="BANGBLAMWHAMPOW!":R=(RND(4)-1)*4+1
2180 PRINT@20,"TYPE ";MID$(R$,R,4);" ";
2190 FOR TT=1TO50*5
2200 A$=INKEY$
2210 IF A$="" GOT02250
2220 IFA$=CHR$(32) GOT02270
2230 PRINTA$;
2240 A1$=A1$+A$
2250 NEXTTT
2260 PRINT@768,"SORRY -- YOU WERE TOO SLOW";:GOSUB2290:X=4:RETU
RN
2270 IFA1$<MID$(R$,R,4)PRINT@768,CC$;:PRINT@768,"YOU MISSED";:G
OSUB2290:X=5:RETURN
2280 X=0:RETURN

```

2285

**\*\* UTILITIES \*\***

2290 FORTL=1T01000:NEXTTL:RETURN

2300 PRINT@478,W\$;

2310 IFM=950PRINT@256,MT\$(1);:PRINT@448,MT\$(2);

2320 IFM<950 AND F=1PRINT@387,T\$;:PRINT@335,T\$;

2330 RETURN

2340 FORZ=1T0350:X=RND(126):Y=RND(30):SET(X,Y):SET(X,Y+1):SET(X,Y+2):NEXT:RETURN

2350 PRINT@768,CC\$:CC\$:CC\$:CC\$;:RETURN

2360 PRINT@256,MT\$(1);:PRINT@448,MT\$(2);:RETURN

5000 W\$=STRING\$(11,128)+CHR\$(172)+CHR\$(172)+CHR\$(188)+CHR\$(188)+CHR\$(156)+CHR\$(188)+CHR\$(188)+CHR\$(156)+STRING\$(3,188)+CHR\$(172)+CHR\$(188)+CHR\$(188)+CHR\$(156)+CHR\$(188)+CHR\$(188)+CHR\$(156)+CHR\$(156)

5010 W\$=W\$+CHR\$(26)+STRING\$(31,24)

5020 W\$=W\$+CHR\$(160)+STRING\$(12,128)+CHR\$(137)+CHR\$(187)+CHR\$(191)+CHR\$(181)+CHR\$(191)+CHR\$(191)+CHR\$(181)+STRING\$(3,191)+CHR\$(186)+CHR\$(191)+CHR\$(191)+CHR\$(181)+CHR\$(191)+CHR\$(183)+CHR\$(150)+CHR\$(128)

5030 W\$=W\$+CHR\$(26)+STRING\$(30,24)

5040 W\$=W\$+CHR\$(143)+CHR\$(139)+STRING\$(6,191)+CHR\$(189)+CHR\$(160)+CHR\$(160)+CHR\$(170)+CHR\$(147)+CHR\$(184)+CHR\$(134)+CHR\$(131)+CHR\$(137)+CHR\$(180)+CHR\$(160)+STRING\$(3,176)+CHR\$(160)+CHR\$(156)+CHR\$(131)+CHR\$(131)+CHR\$(172)+CHR\$(144)

5050 W\$=W\$+CHR\$(149)+CHR\$(128)

5060 W\$=W\$+CHR\$(26)+STRING\$(30,24)

5070 W\$=W\$+STRING\$(2,128)+CHR\$(138)+CHR\$(129)+CHR\$(128)+CHR\$(128)+CHR\$(128)+CHR\$(130)+CHR\$(135)+STRING\$(4,128)+CHR\$(130)+CHR\$(137)+CHR\$(140)+CHR\$(134)+CHR\$(129)+STRING\$(5,128)+CHR\$(131)+CHR\$(140)+CHR\$(140)+CHR\$(131)+STRING\$(3,128)

5080 T\$=CHR\$(128)+CHR\$(176)+CHR\$(156)+CHR\$(188)+CHR\$(152)+CHR\$(180)+CHR\$(156)+CHR\$(144)+CHR\$(128)+CHR\$(26)+STRING\$(9,24)+CHR\$(170)+CHR\$(177)+CHR\$(173)+CHR\$(149)+CHR\$(187)+CHR\$(185)+CHR\$(167)+CHR\$(191)+CHR\$(132)

5090 T\$=T\$+CHR\$(26)+STRING\$(9,24)+CHR\$(128)+CHR\$(130)+CHR\$(141)+CHR\$(187)+CHR\$(181)+CHR\$(141)+CHR\$(135)+CHR\$(129)+CHR\$(128)+CHR\$(26)+STRING\$(9,24)+STRING\$(3,128)+CHR\$(170)+CHR\$(149)+STRING\$(4,128)



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5100 T$=T$+CHR$(26)+STRING$(9, 24)+CHR$(128)+CHR$(128)+CHR$(160)+
CHR$(186)+CHR$(181)+CHR$(144)
5110 E$=STRING$(2, 128)+CHR$(160)+STRING$(6, 128)+CHR$(26)+STRING$(
9, 24)+CHR$(130)+CHR$(131)+CHR$(189)+STRING$(5, 188)+CHR$(148)+CH
R$(26)+STRING$(9, 24)+STRING$(2, 128)+CHR$(138)+CHR$(129)+STRING$(
3, 128)+CHR$(139)+CHR$(129)
5120 SR$=CHR$(156)+CHR$(141)+CHR$(158)+CHR$(129)
5130 LR$=CHR$(160)+CHR$(176)+CHR$(141)+CHR$(176)+CHR$(184)+CHR$(
140)+CHR$(26)+STRING$(6, 24)+CHR$(170)+CHR$(131)+CHR$(129)+CHR$(1
31)+CHR$(151)+CHR$(128)
5140 F$=CHR$(136)+CHR$(188)+CHR$(132)+CHR$(128)+CHR$(160)+STRING
$(3, 176)+CHR$(144)+CHR$(128)+CHR$(128)+CHR$(172)+CHR$(156)+CHR$(
26)+STRING$(13, 24)+CHR$(128)+STRING$(4, 191)+STRING$(3, 188)+STRIN
G$(4, 191)+CHR$(149)
5150 MT$(1)=STRING$(3, 128)+CHR$(184)+CHR$(144)+STRING$(3, 128)+CH
R$(184)+CHR$(189)+CHR$(144)+STRING$(3, 128)+CHR$(144)+STRING$(10,
128)+CHR$(26)+STRING$(25, 24)
5160 MT$(1)=MT$(1)+CHR$(128)+CHR$(160)+CHR$(142)+CHR$(155)+CHR$(
191)+CHR$(164)+CHR$(160)+CHR$(174)+CHR$(191)+CHR$(175)+CHR$(191)
+CHR$(164)+CHR$(160)+CHR$(190)+CHR$(167)+CHR$(180)+STRING$(9, 128
)+CHR$(26)+STRING$(25, 24)
5170 MT$(1)=MT$(1)+CHR$(136)+CHR$(129)+STRING$(3, 128)+CHR$(152)+
CHR$(129)+CHR$(128)+CHR$(131)+CHR$(128)+CHR$(129)+CHR$(128)+CHR$(
137)+CHR$(144)+CHR$(128)+CHR$(129)+CHR$(137)+CHR$(144)+CHR$(128
)+CHR$(184)+CHR$(189)+CHR$(144)+STRING$(3, 128)
5180 MT$(2)=STRING$(3, 128)+CHR$(160)+CHR$(134)+STRING$(8, 128)+CH
R$(130)+CHR$(164)+CHR$(128)+CHR$(128)+CHR$(162)+CHR$(134)+CHR$(1
30)+CHR$(128)+CHR$(130)+CHR$(164)+STRING$(2, 128)+CHR$(26)+STRING
$(25, 24)
5190 MT$(2)=MT$(2)+STRING$(2, 128)+CHR$(152)+CHR$(129)+STRING$(11
, 128)+CHR$(137)+CHR$(152)+CHR$(129)+STRING$(5, 128)+CHR$(137)+CHR
$(144)+CHR$(26)+STRING$(25, 24)
5200 MT$(2)=MT$(2)+CHR$(128)+CHR$(130)+STRING$(13, 128)+CHR$(130)
+STRING$(8, 128)+CHR$(130)
5210 WT$(1)=CHR$(59)+CHR$(44)+CHR$(46):WT$(2)=CHR$(44)+CHR$(46)+
CHR$(59)
5220 WA$=CHR$(156)+CHR$(172)+CHR$(132)
5230 RETURN

```