## Calendar

This program prints out a calendar for any year. You must specify the starting day of the week of the year in Statement 130. (Sunday (0), Monday (-1), Tuesday (-2), etc.). You can determine this by using the program WEEK-DAY. You must also make two changes for leap years in Statements 360 and 620. The program listing describes the necessary changes. Running the program produces a nice 12-month calendar.

The program was written by Geoffrey Chase of the Abbey, Portsmouth, Rhode Island.

	CA	LENDAR		
CREATIVE	COMPUTING	MORRISTOUN.	NEU	JERSEY

	S	H	T	u	Ţ	F	S	
*	*******	******	******	*******	******	*******	*******	)
	1	2	3	4	5	6	7	
	8	9	10	11	12	13	14	
	15	16	17	18	19	20	21	
	22	23	24	25	26	27	28	
	29	30	31					
2	** 31 ***	******	******	FEBRUARY	*******	******	** 334 *	i
,	** 31   *** S	********	T	FEBRUARY U	******** T	r	** 334 ** S	
*								
*								
*				u *******	T *******	F ********	S ******	
*	\$ *******	H *******	T *******	u ********	T ************************************	F ************************************	S ************************************	
***************************************	\$ ************************************	H ********	T ************************************	u ******* 1 8	T ********* 2 9	F 3 10	S ************************************	

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* JANUARY \*\*\*\*\*\*\*\*\*\*\*\*\* 365 \*\*

** 5	59 ****	*******	****	HARCH	*******	******	** 306 **
	S	H	Ţ	u	Ţ	F	S
****	*******	******	*****	******	*******	******	******
				1	2	3	4
	5	6	7	8	9	10	11
	12	13	14	15	16	17	18
	19	20	21	22	23	24	25
	26	27	28	29	30	31	
** 9	90 ****	*******	*****	APRIL	*******	*****	** 275 <b>*</b> *
	S	н	T	U	T	F	S
***	*******	******	*****	*****	*******	******	********
							1
	2	3	4	5	6	7	8
	9	10	11	12	13	14	15
	16	17	18	19	20	21	22
	23	24	25	26	27	28	· 29
	30						
** 1	120 ****	******	*****	HAY	*******	******	** 245 **
** 1	120 ***** S	H	T	MAY U	*******	******* F	** 245 ** S
	S	H	1	u		F	S
	S	H	1	u	1	F	S
	S	H	T	U	T ********	F ******	5 *******
	S *******	H •••••••	T ******* 2	u *******	T **********	F *******	S ********
	5 ************************************	1 8	T ******* 2 9	<b>u</b> 3	T ********** 4 11	F ******* 5 12	\$ ******* 6 13
	5 7 14	H 1 8 15	T 2 9 16	u ******* 3 10 17	T ********** 4 11 18	F 5 12 19	\$  *******  6  13  20
***	7 14 21	H  1  8  15  22  29	T 2 9 16 23 30	3 10 17 24	T  **********  4  11  18  25	F 5 12 19 26	\$  *******  6  13  20
***	7 14 21 28	H  1  8  15  22  29	T 2 9 16 23 30	3 10 17 24	T  **********  4  11  18  25	F 5 12 19 26	\$ 6 13 20 27
****	7 14 21 28 151 *****	1 8 15 22 29 M	T 2 9 16 23 30 T	3 10 17 24 31 JUNE	T  ********  4  11  18  25	F  5 12 19 26	\$ 6 13 20 27 *** 214 *** \$
****	7 14 21 28 151 *****	1 8 15 22 29 M	T 2 9 16 23 30 T	3 10 17 24 31 JUNE	T  4 11 18 25	F  5 12 19 26	\$ 6 13 20 27 *** 214 *** \$
****	7 14 21 28 151 *****	1 8 15 22 29 M	T 2 9 16 23 30 T	3 10 17 24 31 JUNE	T  4  11  18  25  *********************************	F 5 12 19 26 ***********************************	\$  *******  6  13  20  27  *** 214 **  \$
****	7 14 21 28 151 *****	1 8 15 22 29 M	T 2 9 16 23 30 T	3 10 17 24 31 JUNE	T  4 11 18 25  **********************************	F 5 12 19 26  **********************************	\$  *******  6  13  20  27  *** 214 **  \$  \$  ***********
****	7 14 21 28 151 **** 5	1 8 15 22 29	T 2 9 16 23 30 ******* T	U  *******  3  10  17  24  31  JUNE  U  *********	T  ********  11  18  25  *********  I  1  8	F 5 12 19 26 ********* F 9 9	\$  *******  6  13  20  27  *** 214 **  \$  \$  ***********  3  10

\*\* 59 \*\*\*\*\*\*\*\*\* HARCH \*\*\*\*\*\*\*\*\*\*\* 304 \*\*

```
JULY ************ 184 **
** 181 ***********
                                                                                 ** 334 ********** DECEMBER************* 31 **
                                        T
                                                          S
                                                                                       S
                                                                                                        T
                                                                                                                          T
                                                                                                                                           S
************************************
                                                                                 2
                                                 7
     2
              3
                               5
                                                          8
                                                                                      3
                                                                                               4
                                                                                                        5
                                                                                                                          7
                                                                                                                 6
                                                                                                                                   8
                                                                                                                                           9
     9
              10
                                12
                                         13
                                                 14
                                                          15
                                                                                       10
                                                                                               11
                                                                                                        12
                                                                                                                 13
                                                                                                                          14
                                                                                                                                   15
                                                                                                                                           16
     16
              17
                       18
                                19
                                        20
                                                 21
                                                          22
                                                                                       17
                                                                                               18
                                                                                                        19
                                                                                                                 20
                                                                                                                          21
                                                                                                                                   22
                                                                                                                                           23
     23
              24
                      25
                               26
                                        27
                                                 28
                                                          29
                                                                                               25
                                                                                       24
                                                                                                        26
                                                                                                                 27
                                                                                                                          28
                                                                                                                                   29
                                                                                                                                           30
     30
              31
                                                                                      31
** 212 *************
                             AUGUST ************* 153 **
     S
              Ħ
                       T
                               u
                                        T
                                                 F
                                                          S
************
                                                    *******
                                                                               10 PRINT TAB(32);"CALENDAR"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
                               2
                                                          5
                       1
                                                                               30 PRINT:PRINT:PRINT
     6
              7
                                9
                       8
                                         10
                                                 11
                                                          12
                                                                               100 REH
                                                                                            VALUES FOR 1978 - SEE NOTES
                                                                               110 DIH H(12)
     13
              14
                       15
                                16
                                        17
                                                 18
                                                          19
                                                                               120 FOR I=1 TO 6: PRINT CHR$(10);: NEXT I
                                                                                130 D=0: REH 1978 STARTS ON SUNDAY (0=SUN, ~1=HON, ~2=TUES...)
     20
              21
                       22
                                23
                                        24
                                                 25
                                                          26
                                                                               140 S=0
                                                                                            READ DAYS OF EACH MONTH
                                                                               150 REM
     27
              28
                       29
                                30
                                        31
                                                                               160 FOR N=0 TO 12: READ H(N): NEXT N
                                                                               170 REN
** 243 *******
                  *********SEPTEMBER************** 122 **
                                                                               180 FOR N=1 TO 12
                                                                               190 PRINT: PRINT: S=S+H(N-1)
     S
                       T
                                        T
                                                 F
                                                                               200 PRINT "**";S;TAB(7);
210 FOR I=1 TO 18: PRINT "*";: NEXT I
*****************
                              **************
                                                                               220 ON N 60TO 230,240,250,260,270,280,290,300,310,320,330,340
230 PRINT " JANUARY ";: 60TO 350
240 PRINT " FEBRUARY";: 60TO 350
                                                          2
                                                 1
                                                                                             MARCH ";: 6010 350
APRIL ";: 6010 350
                                                                               250 PRINT "
     3
                       5
              4
                               6
                                                 8
                                                          9
                                                                               260 PRINT "
                                                                                              MAY ";: GOTO 350
JUNE ";: GOTO 350
     10
              11
                                                                               270 PRINT "
                       12
                                13
                                                                                              MAY
                                        14
                                                 15
                                                          16
                                                                               280 PRINT "
                                                                               270 PRINT " JULY ";: GOTO 350
300 PRINT " AUGUST ";: GOTO 350
310 PRINT "SEPTEMBER";: GOTO 350
     17
              18
                       19
                                20
                                        21
                                                 22
                                                          23
     24
              25
                       26
                                27
                                        28
                                                 29
                                                          30
                                                                               320 PRINT " OCTOBER ";: GOTO 350
330 PRINT " NOVEMBER";: GOTO 350
** 273 ****
                  ******* OCTOBER ***********
                                                         92 **
                                                                               340 PRINT " DECEMBER"
                                                                               350 FOR I=1 TO 18: PRINT "*";: NEXT I
     S
              Ħ
                       T
                                U
                                        T
                                                 F
                                                          S
                                                                               360 PRINT 365-S;"**";
370 REN 366-S; ON LEAP YEARS
********
                                        *************
                                                                               380 PRINT CHR$(10): PRINT "
                                                                                                                                             u";
                                                                                                                                    T
                                                                               390 PRINT "
                                                          7
              2
                                                 6
                                                                               400 PRINT
                                                                               410 FOR I=1 TO 59: PRINT "*":: NEXT I
                       10
                               11
                                        12
                                                 13
                                                          14
                                                                               420 REN
                                                                               430 FOR W=1 TO 6
     15
              16
                       17
                                18
                                        19
                                                 20
                                                          21
                                                                                440 PRINT CHR$(10)
                                                                                450 PRINT TAB(4)
     22
              23
                      24
                                25
                                        26
                                                 27
                                                          28
                                                                                460 REH
                                                                                470 FOR G=1 TO 7
     29
              30
                      31
                                                                                480 D=D+1
                                                                                490 D2=D-S
** 304 *********** NOVEMBER*********** 61 **
                                                                               500 IF D2>M(N) THEN 580
                                                                               510 IF D2>0 THEN PRINT D2;
                                        T
                                                                               520 PRINT TAB(4+8+6);
                                                                               530 NEXT 6
**************************************
                                                                               540 REH
                                                                               550 IF D2=M(N) THEN 590
560 NEXT W
                               1
                                        2
                                                 3
                                                                               570 REM
     5
                      7
              6
                               R
                                        9
                                                 10
                                                          11
                                                                               580 D=D-6
                                                                               590 NEXT N
     12
              13
                      14
                               15
                                                 17
                                        16
                                                          18
                                                                               610 FOR I=1 TO 6: PRINT CHR$(10);: NEXT I
     19
              20
                      21
                               22
                                        23
                                                 24
                                                          25
                                                                               620 DATA 0,31,28,31,30,31,30,31,31,30,31,30,31
630 REM 0,31,29, ..., ON LEAP YEARS
     26
              27
                      28
                               29
                                        30
                                                                               640 END
```