

HISTORICAL CALENDAR OF WESTERN EUROPE

A.D. 550 to 1970 (A.D. 1 to 2700)

(Software by prof. Bernd Kratz, 1988)

(Complete Guide by Demetris Loizos, 2022)

Download it from: <https://archive.org/details/@dilos>

Back in 1988, Bernd Kratz completed and compiled two DOS based pieces of software (HC.exe and TC.exe) related to the Historical Calendar (HC) of various peoples and religions (mainly but not limited to the Julian/Old Style, Gregorian, Jewish, Muslim calendars). In the *Historical Calendar of Western Europe* he focused on the period between AD 550 and 1970 including all civic, religious and astronomical details of every month. Generally, though, his Historical Calendar (HC) can be used for the period between AD 1 and 2700 with basic month by month details. In the era of the Internet, some of the information included in the HC can be found on various individual sites but Kratz spent a lot of his time, put a lot of effort in his project and used his brains intensively to put together the variety of information included in the software. HC includes a wealth of accurate information that can be retrieved in fractions of seconds. Kratz tried to assist the user and added some help windows within the programs as well as a basic user guide that are both very useful but do not reveal the full potential of the software. These instructions are a step by step guide with screen shots that covers all aspects of the use of the *Historical Calendar of Western Europe*. The HC program is to be used for scholastic purposes, as a general day/month/year calendar of the Christian, Jewish, Muslim worlds, as well as for fun!

Installation of HC.exe and TC.exe

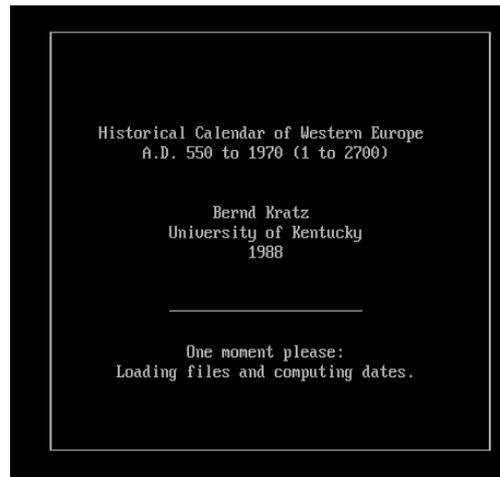
1. HC.exe and TC.exe are DOS based software but nowadays they can run on a variety of operating systems (e.g. Windows, Mac, Linux, RISC, Fedora, Solaris, BeOS, OS/2 etc) with the help of a DOS emulator.
2. So, before you use HC.exe or TC.exe, you must install the DOSBox emulator that can be downloaded from <https://www.dosbox.com/>
3. After you install DOSBox, create a desktop link to it.
4. Unzip the Historical_Calendar.zip you downloaded in a folder and among the unzipped files there will be the two executable files: HC.exe and TC.exe. HC.exe is the main Historical Calendar program and TC.exe the Tables program.
5. Drag and drop HC.exe on the file link of DOSBox on your desktop for the Calendar program to run.

A Complete List of Shortcut Keys will be found at the end of this guide

Window by window Instructions of Use for the Historical Calendar (HC.exe) program

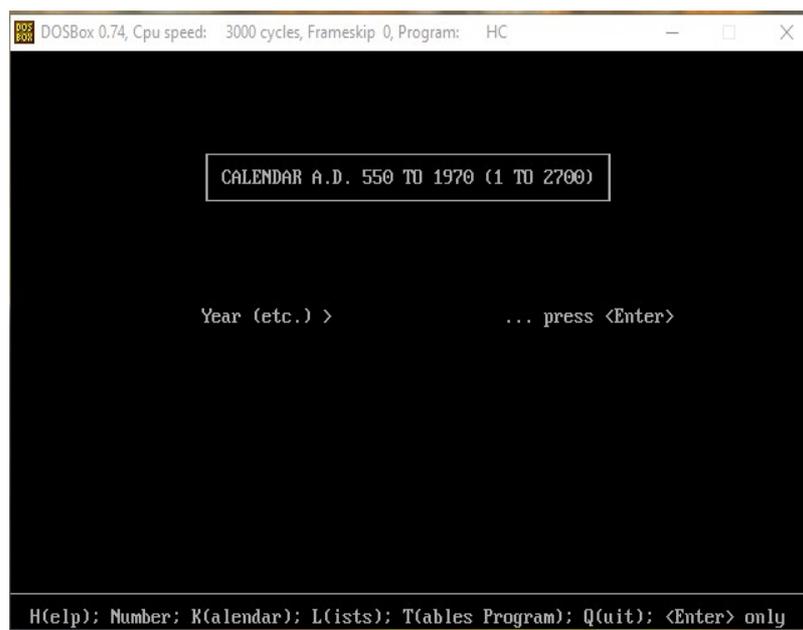
1. Splash Screen

Download it from: <https://archive.org/details/@dilos>



The splash screen appears and disappears quickly and you may not be able to see it before the initial Main Entry software window.

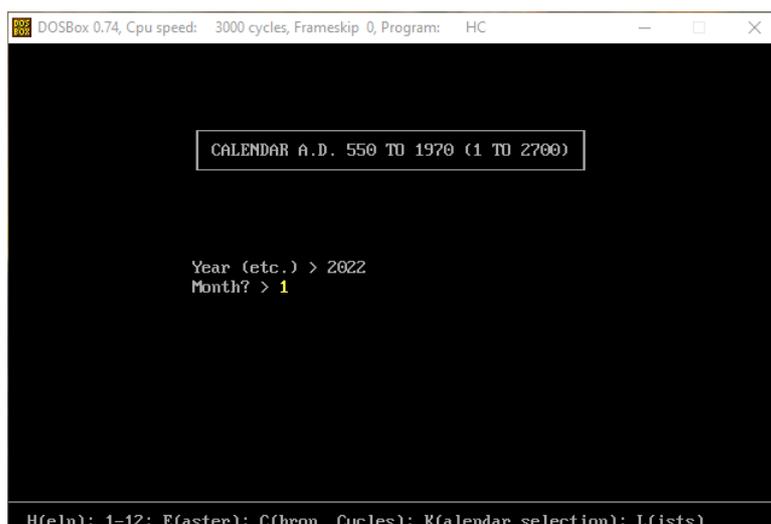
2. The Main Entry Window (year prompt)



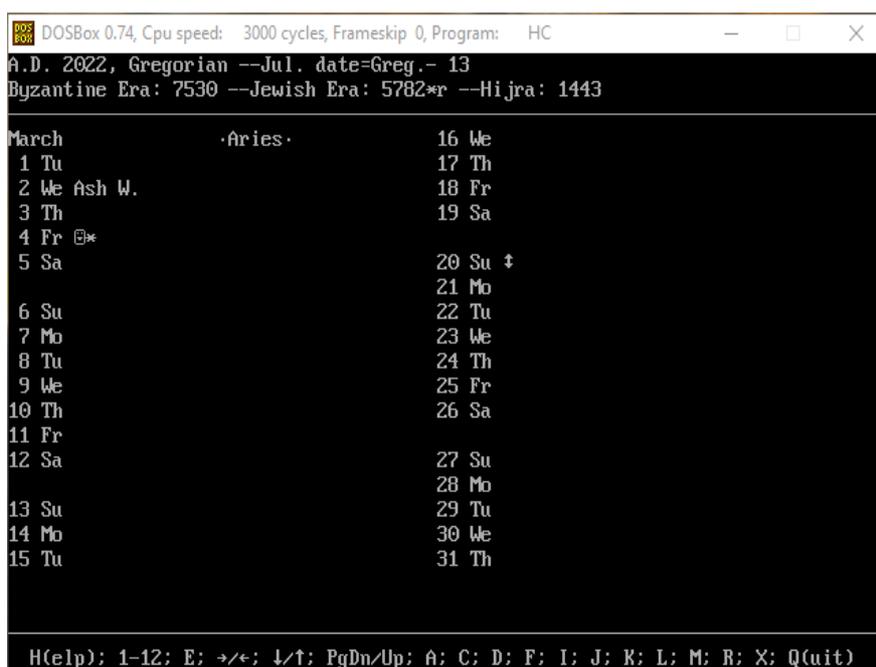
The Main Entry window prompts you to enter a year.

This year can be entered in a number of ways depending on what result you expect to get (see below).

Enter any number between 1 and 2700 and you are then prompted to enter a month number (1 to 12)



Tip: If at the month prompt you press E instead of a month number, then the year and the Easter month of that year is displayed.



The full month of the year selected is displayed with the zodiac sign of that month and basic religious and astronomical information as the year selected is beyond the boundaries of AD 500-1970.

At the top of the window there is additional information. For the year (2022), the Julian calendar date can be calculated for a specific day if 13 days (number depends on the Gregorian year) are subtracted from each day displayed.

Example: Gregorian Calendar March 20 displayed is the Julian Calendar March 7 (20-13 = 7).

Also, the corresponding to 2022 Byzantine Era, Jewish, and Hijra (Muslim) years are displayed.

Tip: Any time you wish to return to the Main Entry window just press B or Space Bar or Q or Enter.

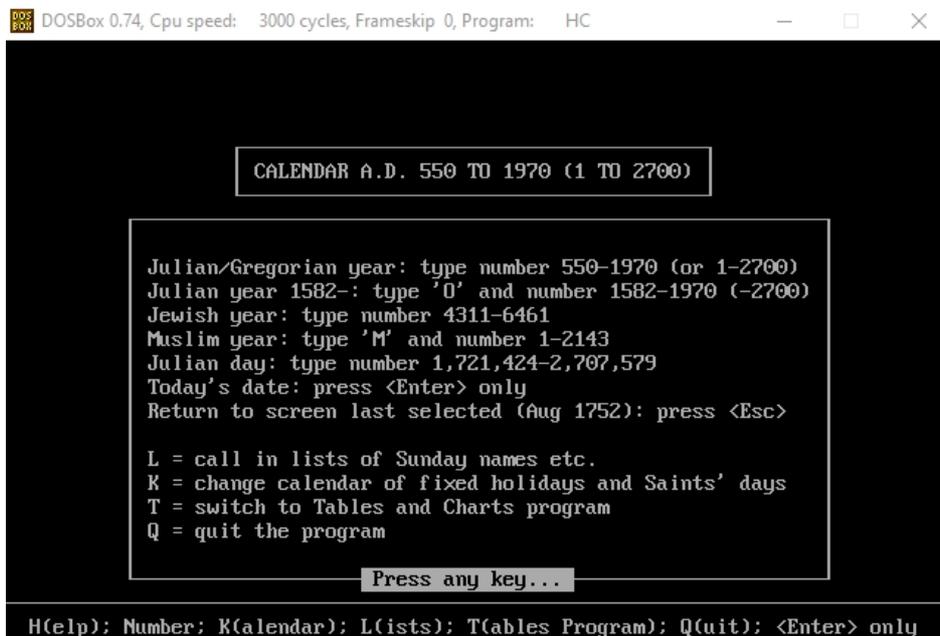
The Main Entry window Choices

At the bottom of the Main Entry window, the user is presented with a number of choices.



H = Help

Press H or F1 for the help window of the Main Entry window to show



The Main Entry Help window includes additional entry choices for the year window.

Julian/Gregorian year: type number 550-1970 (or 1-2700)

At the Main Entry window year prompt you may type any number between 1 and 2700 but full information will be displayed only for the years 500 to 1970. If your choice is between 1583 and 2700, at the top of the chosen month window the word Gregorian will follow the chosen year and it will be followed by the number of days that need to be subtracted for the respective Julian date to be calculated. The word Gregorian is highlighted for the years between 1583 and 1753 and indicates that not all western European countries had adopted the Gregorian calendar before 1753.

For the Gregorian Calendar adoption year of countries check:

https://en.wikipedia.org/wiki/Gregorian_calendar

```

DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: HC
A.D. 1700, Gregorian --Jul. date=Greg.- 11
Byzantine Era: 7208 --Jewish Era: 5460p --Hijra: 1112*
June -Cancer-
1 Tu Nicomede ☉
2 We Ember--Marcellinus/Peter
3 Th
4 Fr Ember
5 Sa Ember--Boniface
6 Su Trinity S.
7 Mo
8 Tu
9 We
10 Th Corpus Christi
11 Fr Barnabas
12 Sa
13 Su 2nd after Pentecost
14 Mo Basil
15 Tu Uitus
16 We
17 Th ☾
18 Fr Mark/Marcellinus
19 Sa Gervase/Protas.
20 Su 3rd after Pentecost
21 Mo †
22 Tu Alban
23 We
24 Th Nat. of John, Bapt.
25 Fr
26 Sa John/Paul
27 Su vii Sleepers*
28 Mo
29 Tu Peter/Paul
30 We
H(help); 1-12; E; +/-; ↓/↑; PgDn/Up; A; C; D; F; I; J; K; L; M; R; X; Q(uit)
    
```

Julian year 1582-: type '0' and number 1582-1970 (-2700)

At the Main Entry window year prompt press '0' [zero] or letter 'O' and type a number between 1582 and 2700. The entry field will show "0.St." before you type the year. After you type the year and the month of your choice the Julian calendar year and month will be displayed and the word Julian will be highlighted for the years between 1583 and 2700. The number of days that need to be added to the Julian dates displayed for the respective Gregorian calendar dates will be displayed at the top of the window along with information for other historical calendars.

A.D. 1700* = An asterisk next to a year means that this is a leap year for the respective calendar displayed. In this case it is a leap year (February has 29 days) for the Julian Calendar but not for other calendars.

For the Julian calendar check:

https://en.wikipedia.org/wiki/Julian_calendar

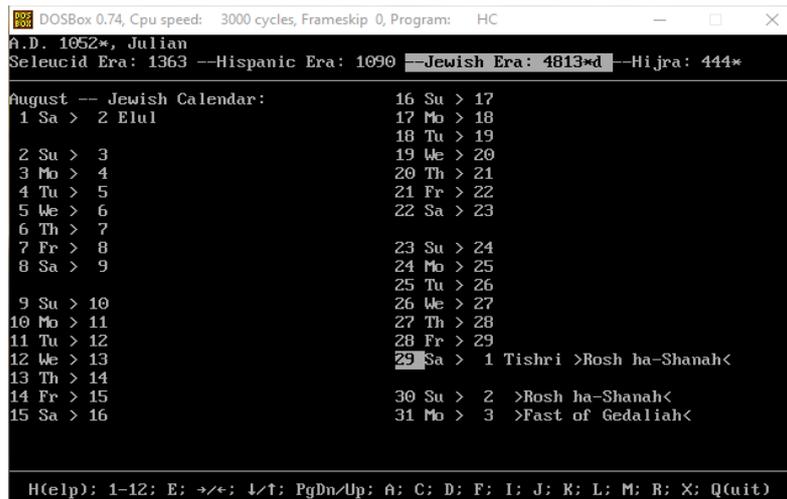
```

DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: HC
A.D. 1700*, Julian --Greg. date=Jul.+ 11 --Swedish=Jul.+ 1
Byzantine Era: 7208 --Jewish Era: 5460p --Hijra: 1111
April -Taurus-
1 Mo
2 Tu
3 We
4 Th Ambrose
5 Fr
6 Sa
7 8 Su 'Quasimodo geniti'
8 Mo ☉
9 Tu
10 We
11 Th
12 Fr Armorum Christi ☽*
13 Sa
14 15 Su 'Misericordia dni'--Tiburtius
15 Mo >Sedes Rogationum<
16 Tu
17 We
18 Th
19 Fr
20 Sa
21 22 Su 'Jubilate'--Anselm
22 Mo ☾
23 Tu George
24 We
25 Th Mark
26 Fr
27 Sa
28 29 Su 'Cantate dno'--Vitalis
29 Mo
30 Tu
H(help); 1-12; E; +/-; ↓/↑; PgDn/Up; A; C; D; F; I; J; K; L; M; R; X; Q(uit)
    
```

Jewish year: type number 4311-6461

At the Main Entry window year prompt type a number between 4311 and 6461 for the Jewish calendar of the current month to be displayed. The words Jewish Era and the year number are highlighted. Information for other calendars will be displayed at the top of the window. Alternatively, at the year prompt you may press 'J' and type a number between 4311 and 6461 with the same result.

Tip: Keyboard Direction Arrows = The left and right arrows will change month and the up and down arrows will change year in any calendar displayed.



Letters r, p, d behind Jewish year means that there are 354/384, 355/385, 353/383 days respectively in that year.

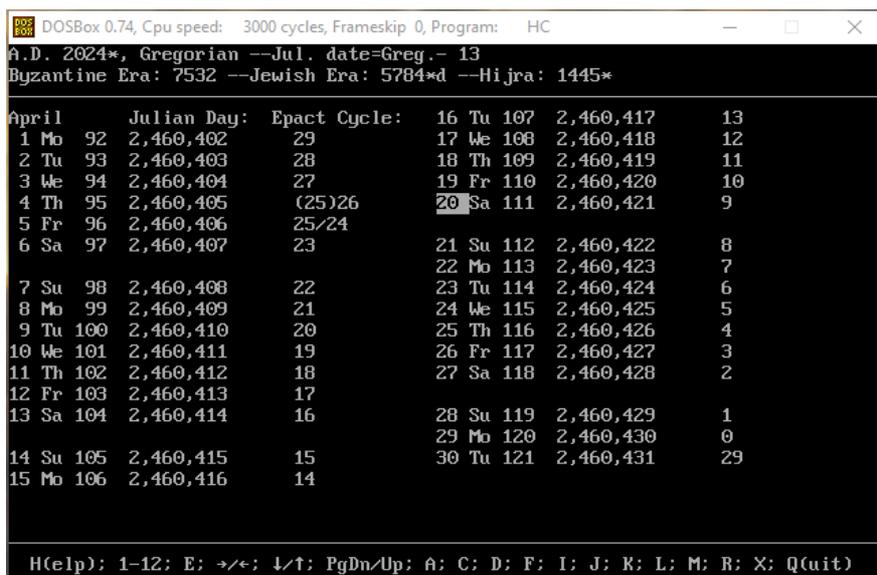
Julian day: type number 1,721,424-2,707,579

“The Julian day is the continuous count of days since the beginning of the Julian period, and is used primarily by astronomers, and in software for easily calculating elapsed days between two events (e.g. food production date and sell by date.” The first set (1,721,424) is AD 1, January 1, and the other set (2,707,579) is 31 December 2700. In the year prompt you must enter all three numbers separated by a comma, which may not be displayed while typing but it is required. Also, the sequence of numbers must be a valid one.

For the Julian day calendar check:

https://en.wikipedia.org/wiki/Julian_day

For example, the sequence 2,460,421 corresponds to 20 April 2024.

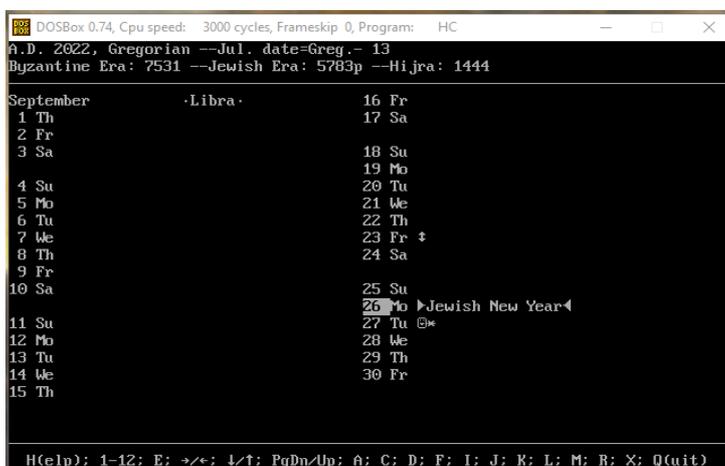


For the Epact Cycle check:

<https://en.wikipedia.org/wiki/Epact>

Today's date: press <Enter> only

If you just press Enter at the year prompt, the window that opens shows the current Gregorian calendar month and date (highlighted).



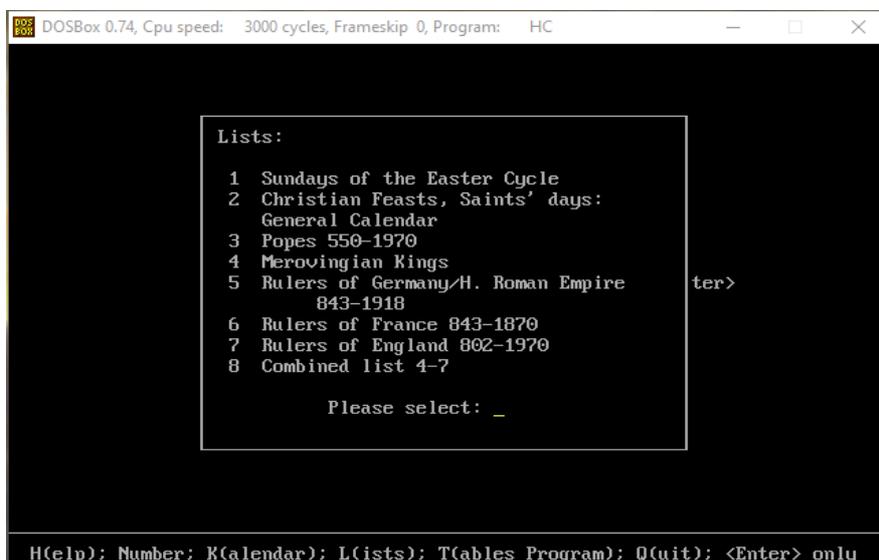
Return to screen last selected (Aug 1752): press<Esc>

In the calendar windows you may step back to the previous calendar window by pressing Esc. To return to the Main Entry window press B or Space Bar or Q or Enter.

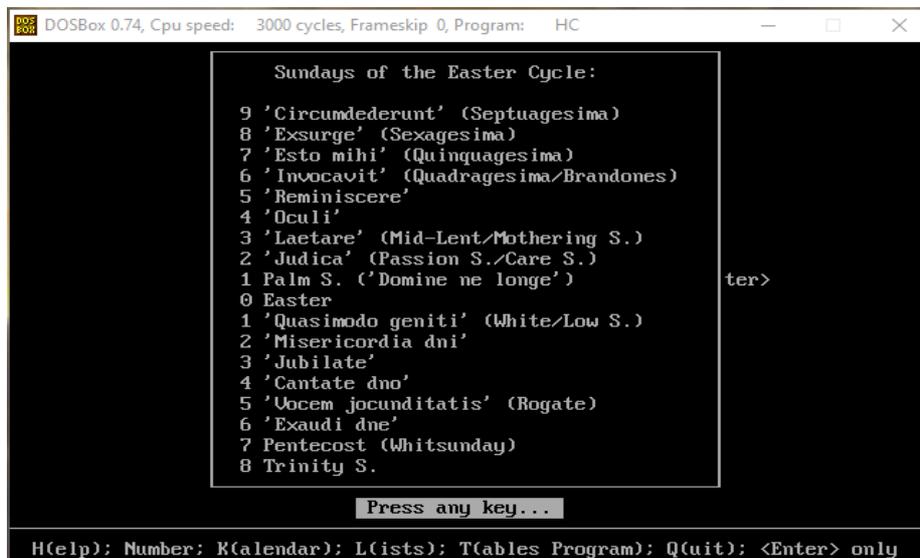
L = call in lists of Sunday names etc.

Press L for a menu of 8 choices, lists of various kinds.

Tip: Press Esc to leave the Help window

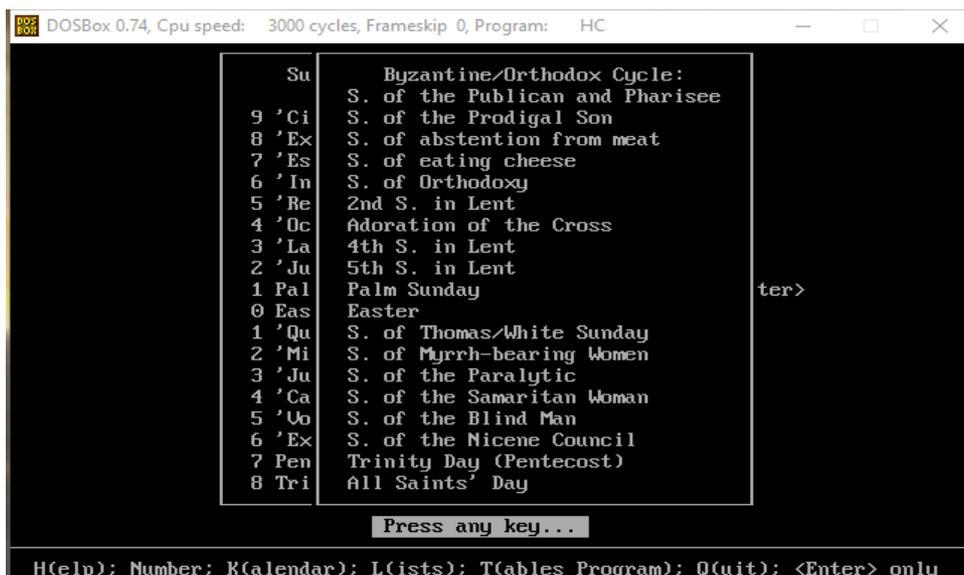


1. Sundays of the Easter Cycle



Press any key ...

For the Byzantine/Orthodox Cycle



Press any key ...
to return to the Main Entry window

2. Christian Feasts, Saints' days: General Calendar



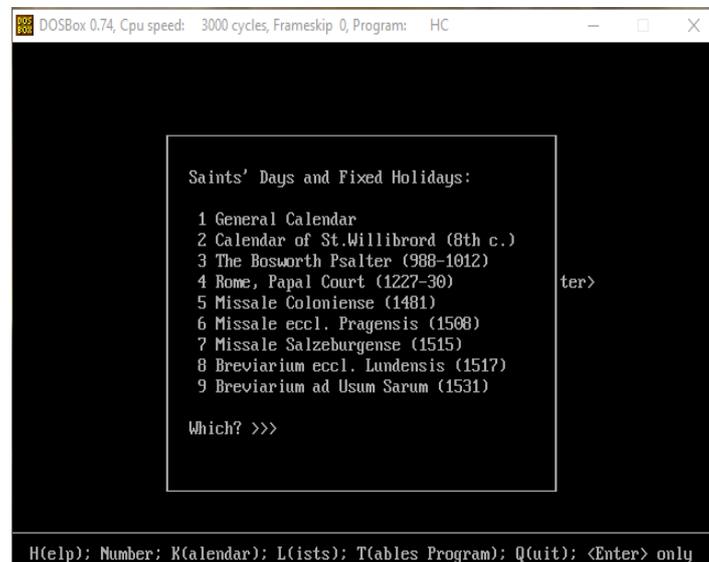
Press any key ...
will jump to the next part of the list until you reach December.

3 to 8

3 to 8 will show lists of names and years in office for the Popes, Merovingian Kings, and the rulers of Germany/Holy Roman Empire, France, England (all information is shown for the years between 550 and 1970).

K = change calendar of fixed holidays and Saints' days

Press K for a menu of 9 choices under the general title *Saints' Days and Fixed Holidays*:

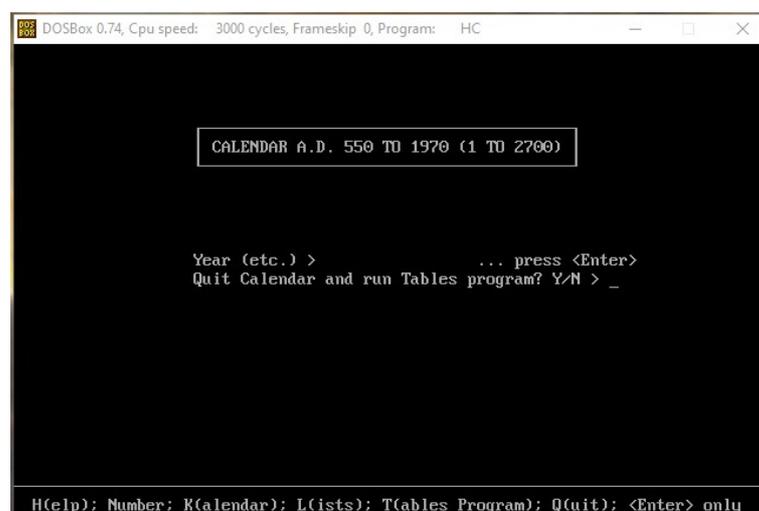


After you make your selection (1 to 9), you are prompted to enter a year and month at the Main Entry window prompt and view the Saints' Days and Fixed Holidays for the selected year and month. This is valid only for the years between 550 and 1970.

Tip: The corresponding abbreviation ([Blank for selection 1], Willibrord, Bosworth, Rome, Cologne, Prague, Salzburg, Lund, Sarum) will display after the word Julian or Gregorian at the top of the month window (see below at «Example with year = 1795 and month = 1 and 5 pressed from the K menu»)

T = switch to Tables program

Press T to leave the Calendar program and load the Tables program. This is the TC.exe program (see the Installation section above).



Press y to load the Tables (TC.exe) program (see separate guide below) or n to remain in the

Calendar program.

Q = quit the program

Press Q to exit the Calendar program,

3. Calendar Window

Example with year = 1 and month = 1

```
DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: HC
A.D. 1, Julian
Ab urbe condita (Varro): 754
January ·Aquarius·
1 Sa 16 Su
2 Su 17 Mo
3 Mo 18 Tu
4 Tu 19 We
5 We 20 Th
6 Th 21 Fr
7 Fr 22 Sa
8 Sa 23 Su
9 Su 24 Mo
10 Mo 25 Tu
11 Tu 26 We
12 We ☾* 27 Th
13 Th 28 Fr
14 Fr 29 Sa
15 Sa 30 Su
31 Mo
H(elp): 1-12: E; →/←; ↓/↑; PgDn/Up; A; C; D; F; I; J; K; L; M; R; X; Q(uit)
```

The top part of the window displays the Julian year and the Roman calendar year (754) that corresponds to AD 1. The Roman calendar year is displayed until and included AD 549. The month window displays the days and the day names (abbreviated) of the month, the zodiac sign for the month and the new moon sign (face* symbol).

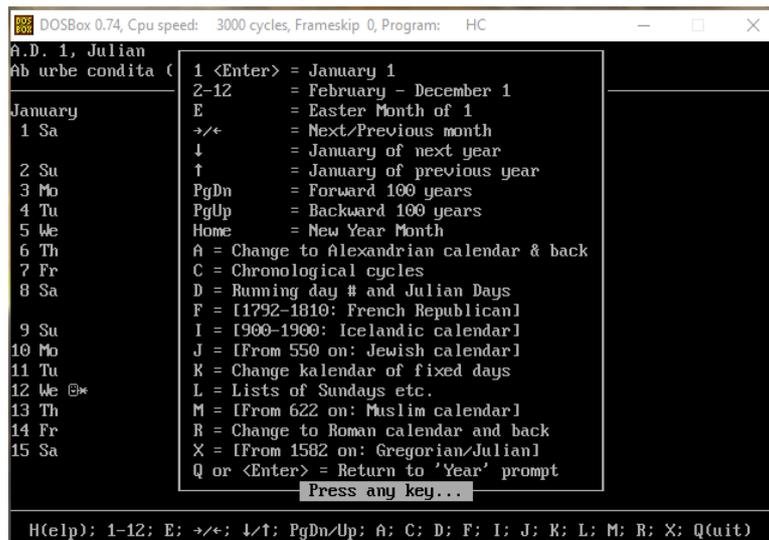
The Calendar window Choices

At the bottom of the Calendar window, the user has a number of choices.

```
H(elp): 1-12: E; →/←; ↓/↑; PgDn/Up; A; C; D; F; I; J; K; L; M; R; X; Q(uit)
```

H = Help for the Calendar window

Press H or F1 for the Calendar help window



In the Calendar window:

Press 1 and Enter to display January

Press any number between 2 and 12 to jump to the relevant month window

Press E to display the Easter month (March or April) of the displayed year

Press Right or Left Arrow to display the next or previous month of the year displayed

Press the Down or Up arrow to display the same month for the next or the previous year

Press the PGDN or the PGUP key to display the same month 100 years forward or backward

Press the HOME key for the New Year Month (not January for all calendars) of the calendar displayed

Press A for the Alexandrian (Coptic Orthodox Church) calendar. This is valid for AD 284 on.

Tip: return to/display the Gregorian/Julian month window with A or Esc.

For the Coptic calendar check:

https://en.wikipedia.org/wiki/Coptic_calendar

Press B or Space Bar or Q or Enter [Not displayed on the Help window] to return to the Main Entry window

Press C to display the chronological cycles of the Gregorian or Julian calendar. For the years 550 to 1970 the name of the Pope and the names of the rulers of France/Germany/England are displayed as well.

Tip: Press Right or Left Arrow to display the next or previous year chronological cycles

Press the PGDN or the PGUP key to display the chronological cycles 100 years forward or backward

Press C again or Esc to display the year and month viewed before pressing C

Press D for the display of the running day numbers, the Julian days, and the Golden Numbers/Epact cycles

Tip: return to/display the Gregorian/Julian month window with D or Esc.

For the Golden Numbers check:

[https://en.wikipedia.org/wiki/Golden_number_\(time\)](https://en.wikipedia.org/wiki/Golden_number_(time))

Press F or I or J for the display of the French Republican, the Icelandic and the Jewish calendars

Download it from: <https://archive.org/details/@dilos>

within the specified Gregorian calendar years.

Tip: return to/display the Gregorian/Julian month window with F or I or J respectively or Esc.

Press K for a menu of 9 choices under the general title *Saints' Days and Fixed Holidays*: (see details above)

Press L for a menu of 8 choices, lists of various kind (see details above)

Press M to display the Muslim calendar from AD 623 on.

Tip: return to/display the Gregorian/Julian month window with M or Esc.

Press Q or Enter or B or Space Bar [Not displayed on the Help window] to return to the Main Entry window

Press R to display the Roman or Roman style (depending on the year selected) calendar

Tip: return to/display the Gregorian/Julian month window with R or Esc.

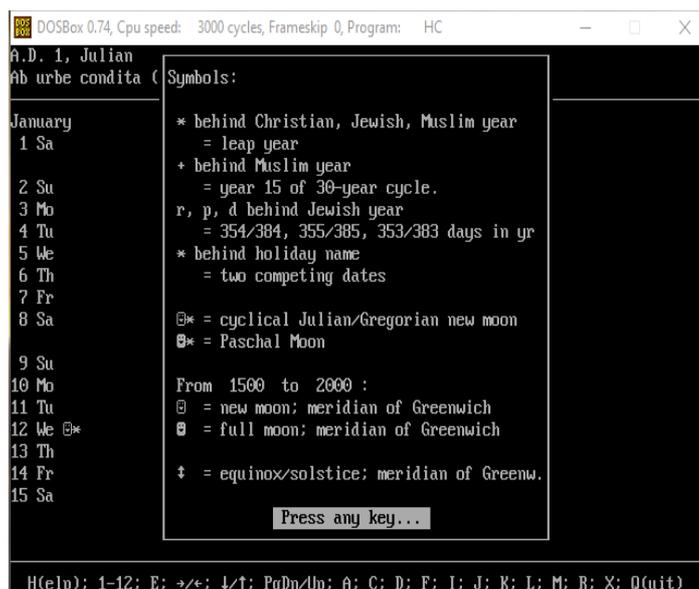
Press S (displayed on certain month windows only). In years with two different Easter dates, you may change from the regular to the special sequence

Press X to change between Julian and Gregorian calendar from 1583 on. Even while viewing the Jewish or Muslim or other calendar, by pressing X the corresponding date of the Julian and Gregorian calendar will be displayed.

Press F9 or F10 (- or + may also work on certain keyboards) for the on/off display of the full calendar of movable and fixed days of Christian feasts

Press any key ...

will display an additional help window with the symbols used in the Calendar window.



Example with year = 65 and month = 1 and R (Roman calendar) pressed

```

DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: HC
A.D. 65, Julian
Ab urbe condita (Varro): 818

January -Aquarius-
1 A 1 tertia/Martis KALENDIS Ian.♦ 17 c 15 quinta/Iovis XVI Kal.
2 b 2 quarta/Mercurii IV Non. 18 d 14 sexta/Veneris XV Kal.
3 c 3 quinta/Iovis III Non. 19 e 13 Sabbati/Saturni XIV Kal.
4 d 4 sexta/Veneris Pridie Non.
5 e 5 Sabbati/Saturni NONIS 20 f 12 dominica/solis XIII Kal.
6 f 6 dominica/solis VIII Idus 21 g 11 secunda/lunae XII Kal.
7 g 7 secunda/lunae VII Idus 22 A 10 tertia/Martis XI Kal.
8 A 8 tertia/Martis VI Idus 23 b 9 quarta/Mercurii X Kal.
9 b 9 quarta/Mercurii V Idus 24 c 8 quinta/Iovis IX Kal.
10 c 10 quinta/Iovis IV Idus 25 d 7 sexta/Veneris VIII Kal.♦
11 d 11 sexta/Veneris III Idus 26 e 6 Sabbati/Saturni VII Kal.
12 e 12 Sabbati/Saturni Pridie Idus 27 f 5 dominica/solis VI Kal.
13 f 13 dominica/solis IDIBUS 28 g 4 secunda/lunae V Kal.
14 g 14 secunda/lunae XIX Kal. Feb. 29 A 3 tertia/Martis IV Kal.
15 A 15 tertia/Martis XVIII Kal. 30 b 2 quarta/Mercurii III Kal.
31 c 1 quinta/Iovis Pridie Kal.

H(elp); 1-12; E; +/-; ↓/↑; PgDn/Up; A; C; D; F; I; J; K; L; M; R; X; Q(uit)
    
```

Example with year = 550 and month = 1 and F9 pressed

```

DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: HC
A.D. 550, Julian
Byzantine Era: 6058 --Hispanic Era: 588 --Jewish Era: 4310r

January -Aquarius-
1 Sa Circumcision 16 Su Marcellus
2 Su 17 Mo Anthony
3 Mo 18 Tu Prisca
4 Tu 19 We
5 We @* 20 Th Fabian/Sebastian
6 Th Epiphany (Three Kings) 21 Fr Agnes
7 Fr >Sedes Septuagesimae< 22 Sa Vincent
8 Sa 23 Su
9 Su 24 Mo Timothy
10 Mo Paul the Hermit 25 Tu Conv. of Paul
11 Tu 26 We Polycarp
12 We 27 Th John Chrysostom
13 Th Hilary 28 Fr Agnes, 2nd
14 Fr Felix 29 Sa
15 Sa 30 Su
31 Mo

H(elp); 1-12; E; +/-; ↓/↑; PgDn/Up; A; C; D; F; I; J; K; L; M; R; X; Q(uit)
    
```

Example with year = 1000 and month = 1 and F9 pressed



Example with year = 1583 and month = 1 and F9 pressed



Example with year = 1795 and month = 1 and F pressed

```

DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: HC
A.D. 1795, Gregorian --Jul. date=Greg.- 11
Byzantine Era: 7303 --Jewish Era: 5555r --Hijra: 1209 --French Rep.: III

January -- French Republican:
1 Th > 12 Nivôse -- duodi          16 Fr > 27 septidi
2 Fr > 13 tridi                    17 Sa > 28 octidi
3 Sa > 14 quartidi                 18 Su > 29 nonidi
4 Su > 15 quintidi                 19 Mo > 30 décadi
5 Mo > 16 sextidi                  20 Tu > 1 Pluviôse -- primidi (I)
6 Tu > 17 septidi                  21 We > 2 duodi
7 We > 18 octidi                   22 Th > 3 tridi
8 Th > 19 nonidi                   23 Fr > 4 quartidi
9 Fr > 20 décadi                   24 Sa > 5 quintidi
10 Sa > 21 primidi (III)           25 Su > 6 sextidi
11 Su > 22 duodi                   26 Mo > 7 septidi
12 Mo > 23 tridi                   27 Tu > 8 octidi
13 Tu > 24 quartidi                28 We > 9 nonidi
14 We > 25 quintidi                29 Th > 10 décadi
15 Th > 26 sextidi                 30 Fr > 11 primidi (II)
                                    31 Sa > 12 duodi

H(elp); 1-12; E; +/-; ↓/↑; PgDn/Up; A; C; D; F; I; J; K; L; M; R; X; Q(uit)
    
```

Example with year = 1795 and month = 1 and I pressed

```

DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: HC
A.D. 1795, Gregorian --Jul. date=Greg.- 11
Byzantine Era: 7303 --Jewish Era: 5555r --Hijra: 1209 --French Rep.: III

January -- Icelandic:
1 Th > 9 Hrítmánuður/jólmánaður/mörsugr 17 Sa > 25
2 Fr > 10 = 3rd Winter Month
3 Sa > 11                          18 Su > 26
4 Su > 12                          19 Mo > 27
5 Mo > 13                          20 Tu > 28
6 Tu > 14                          21 We > 29
7 We > 15                          22 Th > 30
8 Th > 16                          23 Fr > 1 Thorri
9 Fr > 17                          24 Sa > 2 = 4th Winter Month
10 Sa > 18                          25 Su > 3
11 Su > 19                          26 Mo > 4
12 Mo > 20                          27 Tu > 5
13 Tu > 21                          28 We > 6
14 We > 22                          29 Th > 7
15 Th > 23                          30 Fr > 8
                                    31 Sa > 9

H(elp); 1-12; E; +/-; ↓/↑; PgDn/Up; A; C; D; F; I; J; K; L; M; R; X; Q(uit)
    
```

Example with year = 1795 and month = 1 and 5 pressed from the K menu (note the abbreviation “Cologne” at the top of the month window)

```

DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: HC
A.D. 1795, Gregorian --Cologne --Jul. date=Greg.- 11
Byzantine Era: 7303 --Jewish Era: 5555r --Hijra: 1209 --French Rep.: III

January      ·Aquarius·
1 Th "Circuncisio dni"      16 Fr "Marcelli"
2 Fr                                17 Sa "Antonii"
3 Sa                                18 Su "Prisce"
4 Su                                19 Mo "Marii/Marthe"
5 Mo ②                                20 Tu "Sebastiani/Fabiani"
6 Tu "Epiphania dni"      21 We "Agnetis/Patrocli" ②
7 We                                22 Th "Vincentii" ②*
8 Th                                23 Fr "Emerentiane"
9 Fr                                24 Sa "Timothei"
10 Sa                                25 Su "Conv. Pauli/Prejecti"
11 Su "Obitus tertii regis" 26 Mo "Polycarpi"
12 Mo                                27 Tu "Johannis Chrysostomi"
13 Tu                                28 We
14 We "Felicis"            29 Th "Valerii"
15 Th "Mauri"              30 Fr "Aldegundis"
                               31 Sa

H(elp); 1-12; E; →/←; ↓/↑; PgDn/Up; A; C; D; F; I; J; K; L; M; R; X; Q(uit)
    
```

Example with year = 2000 (* = a leap year) and month = 1 and 9 pressed from the K menu (Sarum)

```

DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: HC
A.D. 2000*, Gregorian --Sarum --Jul. date=Greg.- 13
Byzantine Era: 7508 --Jewish Era: 5760*p --Hijra: 1420*

January      ·Aquarius·
1 Sa "Circuncisio Dni"      16 Su "Marcelli"
2 Su                                17 Mo "Sulpicii"
3 Mo                                18 Tu "Prisca"
4 Tu                                19 We "Quistani"
5 We "Edwardi"              20 Th "Fabiani/Sebastiani"
6 Th "Epyphania Dni" ②     21 Fr "Agnetis" ②
7 Fr "Cl. Septuag." ②*    22 Sa "Vincentii"
8 Sa "Luciani"              23 Su
9 Su                                24 Mo
10 Mo                                25 Tu "Conv. Pauli/Praejecti"
11 Tu                                26 We
12 We                                27 Th "Juliani"
13 Th "Hyllarii"           28 Fr "Agnetis ii/Cl. Quadrages."
14 Fr "Felicis"            29 Sa
15 Sa "Mauri"              30 Su "Batildis"
                               31 Mo

H(elp); 1-12; E; →/←; ↓/↑; PgDn/Up; A; C; D; F; I; J; K; L; M; R; X; Q(uit)
    
```

Example with year = 2022 and month = 1 and F9 or F10 pressed

```

DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: HC
A.D. 2022, Gregorian --Jul. date=Greg.- 13
Byzantine Era: 7530 --Jewish Era: 5782*r --Hijra: 1443

January      ·Aquarius·
 1 Sa Circumcision
 2 Su
 3 Mo
 4 Tu ☾*
 5 We
 6 Th Epiphany (Three Kings)
 7 Fr
 8 Sa
 9 Su
10 Mo Paul the Hermit
11 Tu
12 We
13 Th Hilary
14 Fr Felix
15 Sa
16 Su Marcellus
17 Mo Anthony
18 Tu Prisca
19 We
20 Th Fabian/Sebastian
21 Fr Agnes
22 Sa Vincent
23 Su
24 Mo Timothy
25 Tu Conv. of Paul
26 We Polycarp
27 Th John Chrysostom
28 Fr Agnes, Znd
29 Sa
30 Su
31 Mo

H(help); 1-12; E: ←/→; ↓/↑; PgDn/Up; A; C; D; F; I; J; K; L; M; R; X; Q(uit)
    
```

Example with year = 2022 and month = 1 and J (Jewish) pressed

```

DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: HC
A.D. 2022, Gregorian --Jul. date=Greg.- 13
Seleucid Era: 2333 --Jewish Era: 5782*r --Hijra: 1443

January -- Jewish Calendar:
 1 Sa > 28 Tevet
 2 Su > 29
 3 Mo > 1 Shevat >Rosh-hodesh<
 4 Tu > 2
 5 We > 3
 6 Th > 4
 7 Fr > 5
 8 Sa > 6
 9 Su > 7
10 Mo > 8
11 Tu > 9
12 We > 10
13 Th > 11
14 Fr > 12
15 Sa > 13
16 Su > 14
17 Mo > 15 >Tu bi-Shevat<
18 Tu > 16
19 We > 17
20 Th > 18
21 Fr > 19
22 Sa > 20
23 Su > 21
24 Mo > 22
25 Tu > 23
26 We > 24
27 Th > 25
28 Fr > 26
29 Sa > 27
30 Su > 28
31 Mo > 29

H(help); 1-12; E: ←/→; ↓/↑; PgDn/Up; A; C; D; F; I; J; K; L; M; R; X; Q(uit)
    
```

Example with year = 2022 and month = 1 and M (Muslim) pressed

```

DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: HC
A.D. 2022, Gregorian --Jul. date=Greg.- 13
Byzantine Era: 7530 --Jewish Era: 5782*yr --Hijra: 1443

January -- Muslim Calendar:
1 Sa > 27 Jumada I
2 Su > 28
3 Mo > 29
4 Tu > 30
5 We > 1 Jumada II
6 Th > 2
7 Fr > 3
8 Sa > 4
9 Su > 5
10 Mo > 6
11 Tu > 7
12 We > 8
13 Th > 9
14 Fr > 10
15 Sa > 11
16 Su > 12
17 Mo > 13
18 Tu > 14
19 We > 15
20 Th > 16
21 Fr > 17
22 Sa > 18
23 Su > 19
24 Mo > 20
25 Tu > 21
26 We > 22
27 Th > 23
28 Fr > 24
29 Sa > 25
30 Su > 26
31 Mo > 27

H(help); 1-12; E; +/-; ↓/↑; PgDn/Up; A; C; D; F; I; J; K; L; M; R; X; Q(uit)
    
```

Example with year = 2022 and month = 1 and R (Roman/Roman Style) pressed

```

DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: HC
A.D. 2022, Gregorian --Jul. date=Greg.- 13
Byzantine Era: 7530 --Jewish Era: 5782*yr --Hijra: 1443

January -Aquarius-
1 A 1 Sabbati/Saturni KALENDIS Ian.♦ 16 b 16 dominica/solis XVII Kal. Feb.
17 c 15 secunda/lunae XVI Kal.
2 b 2 dominica/solis IV Non. 18 d 14 tertia/Martis XV Kal.
3 c 3 secunda/lunae III Non. 19 e 13 quarta/Mercurii XIV Kal.
4 d 4 tertia/Martis Pridie Non. 20 f 12 quinta/Iovis XIII Kal.
5 e 5 quarta/Mercurii NONIS 21 g 11 sexta/Veneris XII Kal.
6 f 6 quinta/Iovis VIII Idus 22 A 10 Sabbati/Saturni XI Kal.
7 g 7 sexta/Veneris VII Idus 23 b 9 dominica/solis X Kal.
8 A 8 Sabbati/Saturni VI Idus 24 c 8 secunda/lunae IX Kal.
25 d 7 tertia/Martis VIII Kal.♦
9 b 9 dominica/solis V Idus 26 e 6 quarta/Mercurii VII Kal.
10 c 10 secunda/lunae IV Idus 27 f 5 quinta/Iovis VI Kal.
11 d 11 tertia/Martis III Idus 28 g 4 sexta/Veneris V Kal.
12 e 12 quarta/Mercurii Pridie Idus 29 A 3 Sabbati/Saturni IV Kal.
13 f 13 quinta/Iovis IDIBUS
14 g 14 sexta/Veneris XIX Kal. Feb. 30 b 2 dominica/solis III Kal.
15 A 15 Sabbati/Saturni XVIII Kal. 31 c 1 secunda/lunae Pridie Kal.

H(help); 1-12; E; +/-; ↓/↑; PgDn/Up; A; C; D; F; I; J; K; L; M; R; X; Q(uit)
    
```

Example with year = 2700 and month = 1 and F9 or F10 pressed

```

DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: HC
A.D. 2700, Gregorian --Jul. date=Greg.- 18
Byzantine Era: 8208 --Jewish Era: 6460*d --Hijra: 2142

January      ·Aquarius·
 1 Mo Circumcision
 2 Tu
 3 We
 4 Th
 5 Fr
 6 Sa Epiphany (Three Kings)
 7 Su
 8 Mo
 9 Tu
10 We Paul the Hermit
11 Th
12 Fr
13 Sa Hilary ☞*
14 Su Felix
15 Mo
16 Tu Marcellus
17 We Anthony
18 Th Prisca
19 Fr
20 Sa Fabian/Sebastian
21 Su Agnes
22 Mo Vincent
23 Tu
24 We Timothy
25 Th Conv. of Paul
26 Fr Polycarp
27 Sa John Chrysostom
28 Su 'Circumdedeunt'--Agnes, 2nd
29 Mo
30 Tu
31 We

H(help); 1-12; E; →/←; ↓/↑; PgDn/Up; A; C; D; F; I; J; K; L; M; R; X; Q(uit)
    
```

Printing

There is no printing function from within the program but there is a workaround to print any screen. Use the Snip and Sketch function of Windows 10 or 11 to cut the screen area of any Calendar/Tables window and print it.

For more versatility you may use for screen cutting and printing freeware IrfanView from:

<https://www.irfanview.com/>

Window by window Instructions of Use for the Tables (TC.exe) program

The Tables program includes a number of useful lists.

```

DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: HC

Tables of Christian, Jewish, Muslim Feasts

 1 Easter Sunday
 2 Any Day in the Easter Cycle
   (you will be prompted for more information)

 3 Jewish New Year (1 Tishri)
 4 Passover (1st Day)

 5 Muslim New Year (1 Muharram)
 6 Approx. Beginning of Ramadan

 7 Go to Main Calendar
 8 Quit

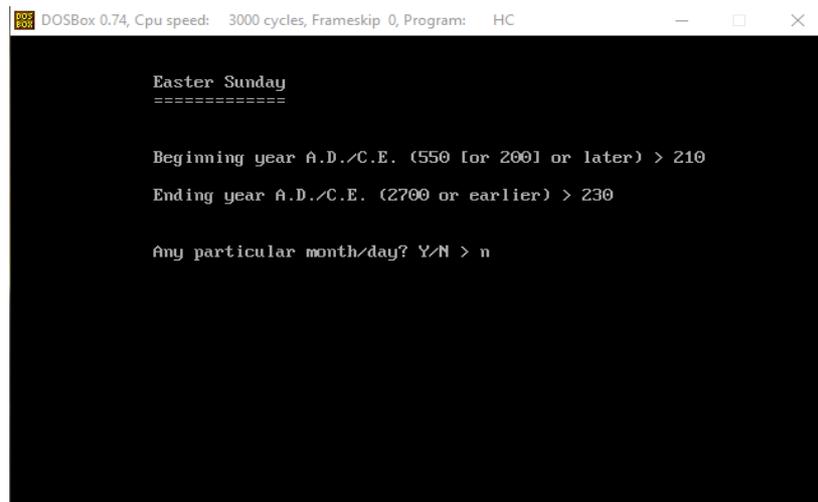
Please select (1-8) >
    
```

Tables of Christian, Jewish, Muslim Feasts

1. Easter Sunday

Download it from: <https://archive.org/details/@dilos>

Press 1 and Enter to get to the next window of prompts and fill them in with your request.



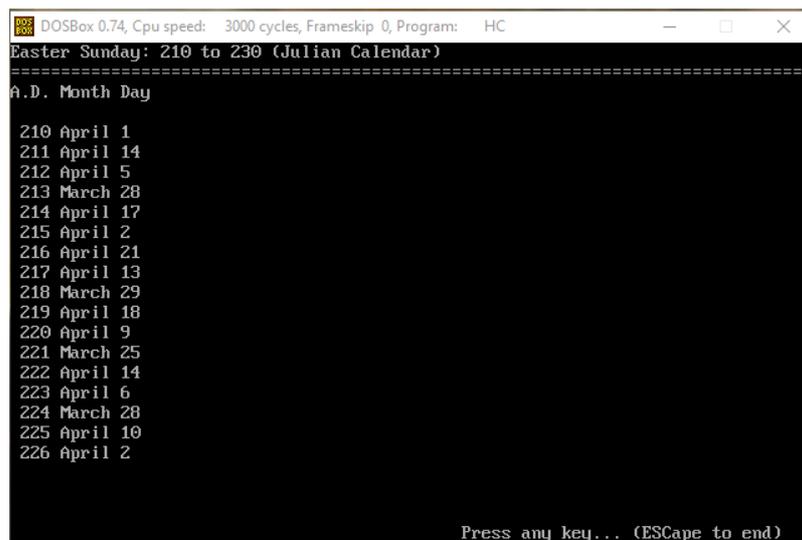
```
DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: HC

Easter Sunday
=====

Beginning year A.D./C.E. (550 [or 200] or later) > 210
Ending year A.D./C.E. (2700 or earlier) > 230

Any particular month/day? Y/N > n
```

And get the results in one or more sequential windows



```
DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: HC
Easter Sunday: 210 to 230 (Julian Calendar)
=====
A.D. Month Day
210 April 1
211 April 14
212 April 5
213 March 28
214 April 17
215 April 2
216 April 21
217 April 13
218 March 29
219 April 18
220 April 9
221 March 25
222 April 14
223 April 6
224 March 28
225 April 10
226 April 2

Press any key... (ESCAPE to end)
```

2. Any Day in the Easter Cycle

Press 2 and Enter and the next window gives all the information needed so that you enter the desired information at the prompt space.

```

DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: HC

Choose any day in the Easter Cycle by typing the number of days before
(-) or after (+) Easter. Example:

    Septuagesima (Pre-Lent)      -63
    Ash Wednesday                -46
    Quadragesima (1st Sun. in Lent) -42
    Passion Sunday               -14
    Palm Sunday                  -7
    Rogation Sunday              35
    Ascension Day                39
    Pentecost                    49
    Trinity Sunday               56
    Corpus Christi               60

You can choose one of the numbers given, but you can also choose any
day in the range of -80 and 190; e.g. '-15' would be the day before
Passion Sunday.

>>> _
    
```

3. Jewish New Year (1Tishri)

Press 3 and Enter to fill in the next window the Beginning and Ending AD/CE years in order to get the results in the Jewish and the Julian or the Gregorian calendar in one or more sequential windows

```

DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: HC

Jewish New Year (1 Tishri): 1600 to 1610 (Gregorian Calendar)
=====
A.D. Month Day          A.M.      Days in Year
-----
1600 September 9 (Sa)  5361      383
1601 September 27 (Th) 5362      354
1602 September 16 (Mo) 5363      355
1603 September 6 (Sa)  5364      385
1604 September 25 (Sa) 5365      353
1605 September 13 (Tu) 5366      384
1606 October 2 (Mo)   5367      355
1607 September 22 (Sa) 5368      355
1608 September 11 (Th) 5369      383
1609 September 29 (Tu) 5370      354
1610 September 18 (Sa) 5371      355
*****
Press any key...
    
```

4. Passover (1st Day)

Press 4 and Enter to fill in the next window the Beginning and Ending AD/CE years in order to get the results in the Jewish and the Julian or the Gregorian calendar in one or more sequential windows

```

DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: HC
Passover (1st Day): 600 to 610 (Julian Calendar)
=====
A.D. Month Day          A.M.      Days in Year
-----
600 April 5 (Tu)        4360      355
601 March 25 (Sa)       4361      354
602 April 12 (Th)       4362      383
603 April 2 (Tu)        4363      355
604 March 21 (Sa)       4364      354
605 April 10 (Sa)       4365      385
606 March 29 (Tu)       4366      353
607 March 18 (Sa)       4367      354
608 April 6 (Sa)        4368      385
609 March 27 (Th)       4369      355
610 April 14 (Tu)       4370      383
*****
Press any key...
    
```

5. Muslim New Year (1 Miharram)

Press 5 and Enter to fill in the next window the Beginning and Ending AD/CE years in order to get the results in the Muslim and the Julian or the Gregorian calendar in one or more sequential windows

```

DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: HC
Muslim New Year (1 Muharram): 1650 to 1700 (Gregorian Calendar)
=====
A.D. Month Day          A.H.
-----
1650 January 4 (Tu)     1060*
    1650 December 25 (Su) 1061
1651 December 14 (Th)   1062
1652 December 2 (Mo)    1063*
1653 November 22 (Sa)   1064
1654 November 11 (We)   1065
1655 October 31 (Su)    1066*
1656 October 20 (Fr)    1067
1657 October 9 (Tu)     1068*
1658 September 29 (Su)  1069
1659 September 18 (Th)  1070
1660 September 6 (Mo)   1071*
1661 August 27 (Sa)     1072
1662 August 16 (We)     1073
1663 August 5 (Su)      1074*
1664 July 25 (Fr)       1075
1665 July 14 (Tu)       1076*
Press any key... (ESCAPE to end)
    
```

6. Approx. beginning of Ramadan

Press 6 and Enter to fill in the next window the Beginning and Ending AD/CE years in order to get the results in the Muslim and the Julian or the Gregorian calendar in one or more sequential windows

```
DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: HC
approx. Beginning of Ramadan: 890 to 920 (Julian Calendar)
-----
A.D. Month Day           A.H.
890 December 17 (Th)     277*
891 December 7 (Tu)      278
892 November 25 (Sa)     279
893 November 14 (We)    280*
894 November 4 (Mo)      281
895 October 24 (Fr)      282
896 October 12 (Tu)     283*
897 October 2 (Su)      284
898 September 21 (Th)   285
899 September 10 (Mo)   286*
900 August 30 (Sa)      287
901 August 19 (We)     288*
902 August 9 (Mo)      289
903 July 29 (Fr)       290
904 July 17 (Tu)      291*
905 July 7 (Su)       292
906 June 26 (Th)      293

Press any key... (ESCAPE to end)
```

7. Go to Main Calendar

Press 7 and Enter to return to the Historical Calendar (HC.exe) program

8. Quit

Press 8 and Enter to quit the Tables & Charts (TC.exe) program and exit to DOS prompt.

**COMPLETE LIST OF SHORTCUT KEYS
(Quick Reference)**

F1	Help
Esc	Return to the previous window in the month window or leave a help window
R/L Arrow	Display the next or previous month of the year displayed
D/U Arrow	Display the same month for the next or the previous year
PGDN/PGUP	Display the same month 100 years forward or backward
HOME	Display the New Year Month (not January for all calendars)
Space Bar	Return to Main Entry window of the HC program
F9 or F10 / (- or +)	On/off display of the full calendar of movable and fixed days of Christian feasts
0	Enter before a year number for the Julian calendar year at the Main Entry year prompt
1 to 12	Choose month number (1 and Enter for January)
1 to 2700	Choose year number
A	Alexandrian (Coptic Orthodox Calendar)
B	Return to Main Entry window of the HC program
C	Chronological cycles
D	Running day numbers, Julian days, Golden Numbers/Epact cycles
E	Easter month
F	French Republican Calendar
H	Help
I	Icelandic Calendar
J	Jewish Calendar
K	Calendar choices for Saints' Days and Fixed Holidays
L	Lists of Christian Feasts, Popes, Rulers of France/Germany/England
M	Muslim Calendar
O	Enter before a year number for the Julian calendar year at the Main Entry year prompt
Q	Quit
R	Roman/Roman Style Calendar
S	In years with two different Easter date (displayed on certain month windows only)
T	Switch to the Tables program
X	Change between Julian and Gregorian calendar

* * *