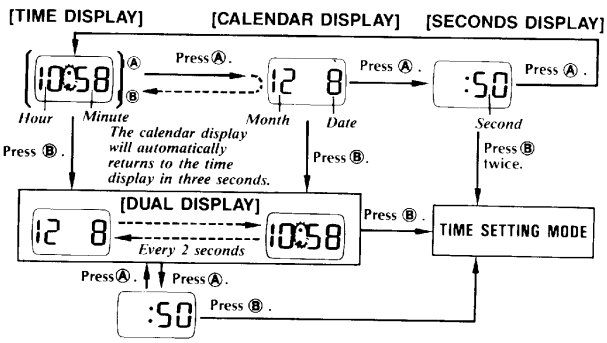
Module No. 826

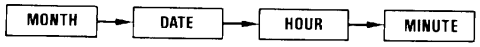
READING THE DISPLAY

A special feature of this watch is its dual display. Press Ⓑ and the display alternates continuously between time and the calendar display.



SETTING TIME AND CALENDAR

1) Press Ⓑ in date/time mode to set time and calendar.
2) Each press of Ⓐ increments digit(s) one by one. Keep pressed for high speed change.
3) Press Ⓑ to shift the digit.

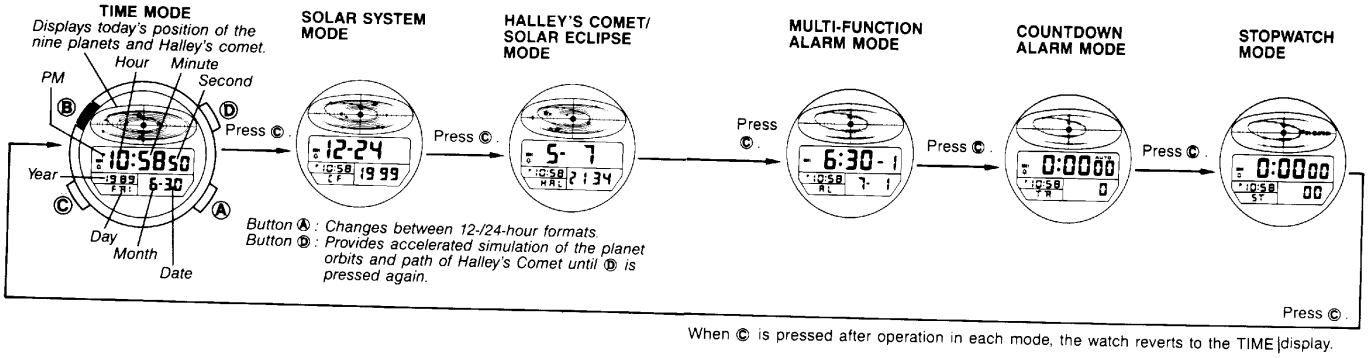


** Check whether the AM(A) or PM(P) indicator is lit.*

4) There are two ways to complete setting.
   a) When changing minute digit is necessary: adjust the minute digit and press Ⓑ. Then press Ⓐ on a time signal to start the watch.
   b) When changing minute digit is unnecessary: simply press Ⓑ to complete setting.

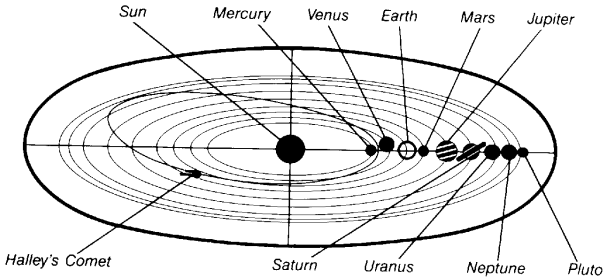
Module No. 830

READING THE DISPLAY



When Ⓒ is pressed after operation in each mode, the watch reverts to the TIME display.

THE ORBITAL TRACKS ON THE WATCH FACE



USING SOLAR SYSTEM MODE

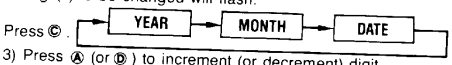
This watch approximates the orbits of the nine planets in the solar system (Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune, Pluto) and the path of Halley's Comet, and displays their daily positions each day on orbital tracks on the watch face. Data has been preset for three hundred years, from 1901 to 2200, enabling the past, present and future positions of the planets on any given day to be known at a glance.

RAPID SIMULATION

Press and hold Ⓐ or Ⓓ for a quickly changing view of the solar system orbits over the full range of 300 years. The quick-change function occurs in three stages: date first, month next and year last.

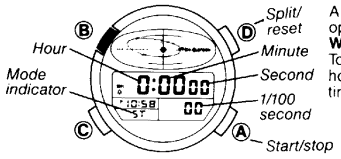
CALLING UP A SPECIFIC DATE

1) Press Ⓑ to start the year digits flashing.
2) Press Ⓒ to shift the flashing digit(s). Digit(s) to be changed will flash.



3) Press Ⓐ (or Ⓓ) to increment (or decrement) digit. Keep pressed for quick change.
4) Press Ⓑ to complete setting. The solar array for a specific day is displayed.

USING STOPWATCH



A signal confirms start/stop and split/reset operation.

Working range
Total elapsed time display is limited to 23 hours 59 minutes 59.99 seconds, for longer times reset and started again.

a) Net time measurement

Ⓐ START → Ⓐ STOP (Time loss) → Ⓐ RE-START → Ⓐ STOP → Ⓓ RESET

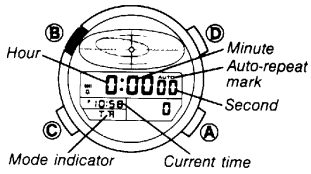
b) Split time measurement

Ⓐ START → Ⓓ SPLIT → Ⓓ SPLIT RELEASE → Ⓐ STOP → Ⓓ RESET

c) 1st-2nd place times

Ⓐ START → Ⓓ SPLIT (The first runner finishes.) → Ⓐ STOP (The second runner finishes. Record the time of the first runner.) → Ⓓ SPLIT RELEASE (Record the time of the second runner.) → Ⓓ RESET

OPERATING COUNTDOWN ALARM



Countdown can be set from 1 second to 24 hours (display shows 0:00 00), and times to an accuracy of 1/10th of a second. Start/stop operation is possible by pressing Ⓐ, and is confirmed by a signal.
When display reaches zero, beeper will sound for 10 seconds until any button is pressed.

SETTING COUNTDOWN TIME

1) Press Ⓑ in countdown alarm mode to set new time.
2) Press Ⓓ to choose the auto-repeat or repeat function.
3) Press Ⓒ to shift flashing digit(s).

Press Ⓒ. → HOUR → MINUTE → SECOND

4) Pressing Ⓐ increments digit(s). Keep pressed for quick advance.
5) Press Ⓑ to complete setting.

* Display automatically returns to initial countdown timer mode if left unused for a few minutes.

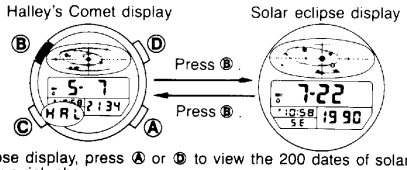
AUTO-REPEAT FUNCTION Pre-entered time is retrieved and started again when the display reaches zero.

REPEAT FUNCTION Pre-entered time is retrieved after sounding of beeper to confirm that the display has reached zero.

USING HALLEY'S COMET/SOLAR ECLIPSE MODE

It's possible that there are a million comets in the solar system, many of them moving in orbits that take them past Neptune and near to the sun within the orbit of Mercury. Perhaps the one most people know best is Halley's Comet, which completes its wide orbit out beyond Nepture then back around the sun every 76 to 79 years. Solar eclipses can occur from two to a maximum of five times a year and can last over 7 minutes! Your Casio watch is a convenient way to keep track of the important orbital tracks in our solar system.

Press Ⓑ in Halley's Comet/solar eclipse mode to choose the Halley's Comet display or solar eclipse display.



In the solar eclipse display, press Ⓐ or Ⓓ to view the 200 dates of solar eclipses. Keep pressed for quick change.

DATES FOR THE CLOSEST APPROACH OF HALLEY'S COMET
1910.5.20 (1st); 1985.11.27 (not the date for the closest approach); 1986.4.10 (2nd); 2061.7.29 (3rd); 2134.5.7 (estimated by Casio).
Source: Hydrographic Dept., Japan Maritime Safety Agency.

DATES OF TOTAL SOLAR ECLIPSES
....., 1990.7.22; 1991.7.11; 1992.6.30; 1994.11.3; 1995.10.24, ...
Source: "CANON OF SOLAR ECLIPSES, PERGAMON PRESS" through Hydrographic Dept., Japan Maritime Safety Agency.

SETTING TIME AND DATE

1) Press Ⓑ in the time display to set new time.
2) Press Ⓐ on a time signal to correct seconds.
3) Press Ⓒ to shift flashing digit(s).
Digit(s) to be changed will flash.

Press Ⓒ. → SECOND → HOUR → MINUTE → DATE → MONTH → YEAR

4) Each press of Ⓐ (or Ⓓ) increments (or decrements) digit.
Keep pressed for quick advance.
5) Press Ⓑ to complete.

* Display automatically returns to the time display if left unused for a few minutes.

USING MULTI-FUNCTION ALARM

Five alarms can be used independently in 4 different ways. Daily alarm, monthly alarm, daily alarm for 1-month period or date alarm. Beeper sounds with shooting star movement for 20 seconds at preset time every day until cleared when daily alarm is set. Press any button to stop beeper.
Signals sounds every hour on the hour if time signal is set.
Sound demonstration Press and hold Ⓐ in alarm mode to sound beeper and view shooting star.

SETTING NEW ALARM TIME

1) Press Ⓐ in the alarm mode to choose Alarm No. 1, 2, 3, 4, 5, or time signal set mode.

6:30-1 → 7:30-2 → 8:30-3 → 9:30-4 → 10:30-5 → :00

Press Ⓐ.

2) Press Ⓑ to set new alarm time.
3) Each press of Ⓒ shifts flashing position.

Press Ⓒ. → HOUR → MINUTE → MONTH → DATE

4) Pressing Ⓐ (or Ⓓ) increments (or decrements) digit. Keep pressed for quick change.
5) Press Ⓑ to complete.

Display automatically returns to initial alarm mode display if left unused for a few minutes.

ON OR OFF SETTING OF ALARM AND TIME SIGNAL
Press Ⓐ to choose alarm No. 1, 2, 3, 4, 5 or time signal set mode. Press Ⓓ to activate alarm ("))) " appears) or deactivate (no mark appears). Press Ⓓ in time signal set mode to activate time signal (" 🔔 " appears) or deactivate (no mark appears).

4 types of alarms

Daily alarm	Month and date not set.	Beeper sounds at preset time every day.
Monthly alarm	Only date set.	Beeper sounds on preset date at preset time once every month.
1 month alarm	Only month set.	Beeper sounds at preset time during set month.
Date alarm	Month and date set.	Beeper sounds at preset time, on preset month and date.