

# ★ THE BURLINGTON EARTH CLOCK ★



The Burlington Earth Clock is a 43½-foot circle of 14 granite stones that creates a clock, compass and calendar. The stones weigh between 3.5 and 20 tons.

The Earth Clock measures the sun's journey north and south along the horizon through the cycle of seasons.

In the center of the circle is a sundial. When you stand on the date line in the center of the sundial, your shadow tells the time of day.

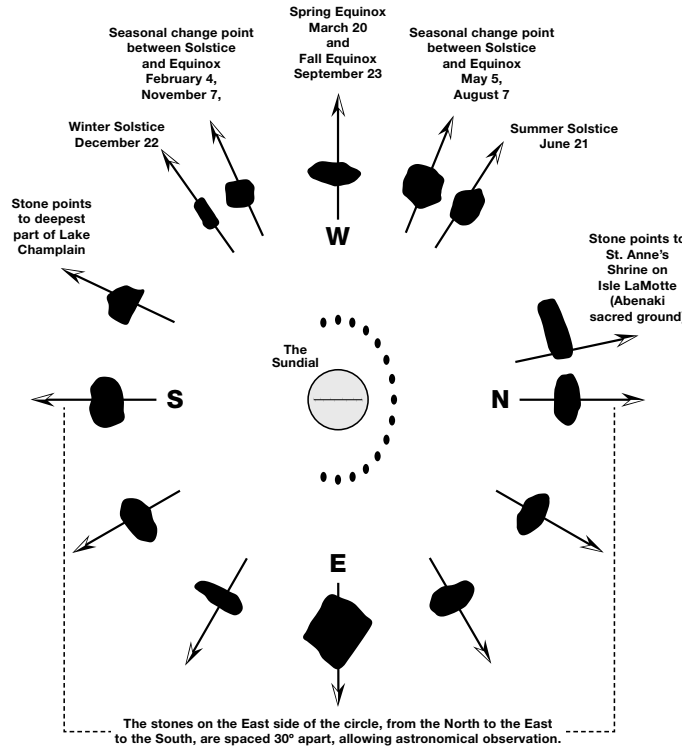
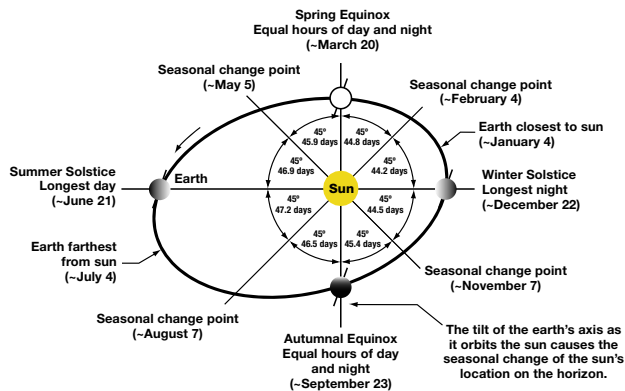
We invite you to sit awhile. Breathe. Enjoy the view. Perhaps, in the stillness, you'll renew your connection to the cycle and rhythm of nature.



## How to use the Earth Clock

Stand in the center and look west to the Adirondack Mountains. The five stones on that side mark the sunset at the Solstices, Equinoxes and the mid-points between these times of the year.

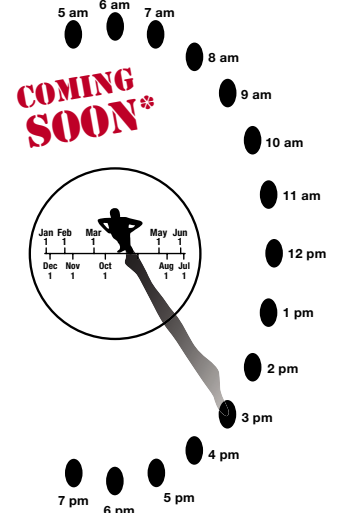
## Understanding the Astronomy



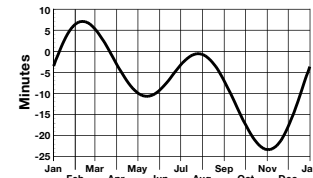
## How to use the Sundial

Stand on the big circular stone in the center of the earth clock.

When you stand on today's date, your shadow will point to solar time (time by the sun) on the oval stones. Solar time varies because the earth's orbit is elliptical and its axis is tilted.



### CONVERTING SOLAR TIME TO CIVIL TIME:



Add or subtract from the solar time on the stones to obtain civil (clock) time. Remember to add an extra hour from March to November for Daylight Saving. Example: If on May 1, the sundial reads 3:00 pm, subtract 10 minutes to get 2:50 pm. Then add an hour for Daylight Saving to get a civil time of 3:50 pm.



Created by Circles for Peace, a Vermont nonprofit organization that believes inner peace and inner strength can be restored by the simple witness of the rhythms of nature. www.circlesforpeace.org

\*Help Build The Burlington Earth Clock  
We are still fundraising to complete this project.  
Items still to be funded: Park Benches, Information Signs,  
Granite Sundial and Educational Curriculum for k-12 in the  
areas of Math and Science, History and Art.