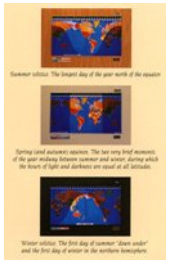
About The Geochron

The Geochron was created by James Kilburg so that he and his family would be able to see and tell accurately what time it was all over the world.

Specifically the Geochron displays the following
- Legal Zone Time
- Greenwich Mean Time
- Greenwich Apparent Time
- Local Apparent Time
- Local Mean Time
- Moment of Sunrise
- Moment of Sunset
- Duration of Daylight
- Sun's Meridian Passage
- Sun's Equation of Time
- Degrees Latitude
- Degrees Longitude
- The Geographic Extent of the Prevailing Day and Date

Reading the date and day of the week is easy with Geochron. Since the map is moving from left to right the International Dateline crosses the frame once each day. The days, date, and month observed on either side of the Dateline are each displayed via indicators mounted at the Geochron's bottom.

All models except the Standard Geochron model has the Minute Analog feature that reflects the exact minutes after the hour



The Geochron communicates constantly changing such as the distribution of sunlight all over the world at any given point. As the earth rotates and each day progresses the sunlight distribution will update itself in front of you. You will also be able to watch the seasons change and be able to see events such as the summer and winter solstice as well as the summer and winter equinox clearly. Each Geochron features an analemma depicting the meridian passage of the sun.

Each Geochron has the twenty four "standard" time zones divided up on the map, but they go the extra step further and have the sixteen "non-standard" time zones also on the map. These are marked by a letter and number. The number, derived from international radio call letter, tells you which arrow of the Geochron to read, while the number shows you the number of minutes the region deviates from standard time.

Manufacturing

Every Geochron is hand-crafted in Redwood City, California. Each gear is hand-cut to ensure optimum synchronization. Each world map is custom printed on a state-of-the-art Mylar film using specially-formulated inks designed to make the map resistant to ultraviolet light. And by the time each is hand-crated for shipment, it has been personally inspected, passing through 24 designated key inspection points.

Controls

Each Geochron has three simple control knobs. Two are located at the base of the unit and are used primarily for the initial setting. One moves the map horizontally to set the time and day of the week. It's also used to determine time of sunrise, sunset and the number of daylight hours at any location at a time other than the current one. The other knobs are sets the date indicator and light pattern. A third knob controls the minute dial located at the Geochron's upper right hand corner.

Mounting

Each Geochron can be mounted on any flat surface in the same manner as a picture. Standard surface mounting brackets are supplied. Installation instructions are supplied with each unit.

Illumination

Each Geochron uses easily replaceable F15T8D fluorescent tubes. An electric switch at the base turns the lights on or off without disturbing the timing mechanism.

Protective Glass

A brilliant glass pane shields the facing side of the Mylar world map.

Map Credits

Each Geochron map is reproduced in part from Chronaflex positives of the U.S. Naval Oceanographic Chart #1262. Legal time zone information is based on data from the U.S. Department of Defense Mapping, Time Zone Chart #76. Delineation of the time zones and designs of the time scale are original and are copyrighted by Geochron Enterprises 1986.