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LL OF THESE ITEMS


ARE THE PROPERTY


OF THE WORLD'S


MOST PRESTIGIOUS

  
MUSEUMS.

HOWEVER, ONLY ONE CAN BE YOURS.



With the advent of the Geochron, conventional clocks could very well go the way of the hourglass.

It is created with workmanship, craft and artistry reminiscent of the 19th century. Yet it is also the embodiment of the entrepreneurial spirit that shaped the 20th century. Perhaps most importantly, it is a rare fusion of form and function designed to serve mankind well into the 21st century.

It is the Geochron® Global Time Indicator - the only instrument of its kind to simultaneously show daylight and darkness throughout the world. And for the next few minutes, you're going to find out what makes Geochron the time indicator of choice for not only governments, international corporations and individuals all over the world, but also some of the world's most famous museums.

FROM KILBURG TO KILBURG, A HANDMADE TRADITION.

The Geochron was invented by James Kilburg, a career mechanical engineer who perfected his craft and knack for ingenuity while living in Luxembourg, his native land.

After moving to America, Kilburg devoted his life creating innovations such as the car cigarette lighter (still in use today), the first automatic dialing telephone, as well as an automated maraschino cherry pitter.



| James Kilburg, Geochron inventor. |

Yet ironically, his crowning achievement may never have been invented were it not for his wife, Dorothy.

The year was 1962, and Kilburg was overseas visiting relatives. Unable to make the trip, one day Dorothy picked up the phone to call him. With some help from the international operator, she got through. Unfortunately for her husband, it happened to be 2:00 a.m.

From that moment on, Kilburg had all the inspiration he needed to create the world's first accurate time machine. A year later, the Geochron was born.

Today, one of the driving forces behind Geochron is still a Kilburg. However, it is James Kilburg, Jr., who together with his partner Robert Williamson, continue to keep the vision of Luxembourg's most famous inventor alive and ticking for a whole new generation.



| Robert Williamson and James Kilburg, Jr. |

WHY CONVENTIONAL CLOCKS ARE OUT OF TIME.

As technology continues to advance and the concept of a "global economy" gains more and more acceptance, it becomes increasingly necessary to know, or at least be aware of, the time in other parts of the world.

For more globally-minded people it is even more critical to know the hours of daylight throughout the world.

Yet even the most advanced clocks of today are merely time indicators, devoid of any other vital information. That is, except for the Geochron.

THE DIFFERENCE IS NIGHT AND DAY.

In addition to providing you the time anywhere in the world (not to mention a refresher course in geography), the Geochron also communicates important, constantly-changing information not available from any other source.

At one glance, the Geochron displays the distribution of sunlight all over the world at any given moment. Plus, as the earth rotates and each day progresses, this sunlight distribution will update itself right before your eyes.



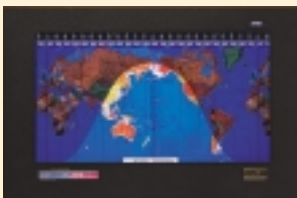
With this analemma, the Geochron graphically depicts the meridian passage of the sun.



Summer solstice. The longest day of the year north of the equator.



Spring (and autumn) equinox. The two very brief moments of the year midway between summer and winter, during which the hours of light and darkness are equal at all latitudes.



Winter solstice. The first day of summer "down under" and the first day of winter in the northern hemisphere.

How? Simply look at the illuminated pattern on the world map. The left edge of the pattern indicates the moment of sunrise, while the right edge indicates the moment of sunset.

As you can see from the photos in this section, this sunlight distribution pattern changes perpetually, as days and seasons progress.

What's more, the Geochron can be moved forward or backward in time. Manual controls at the bottom of the unit allow you to find out the time of sunrise and sunset in any given place and date, past or future.

24 HOURS. 40 TIME ZONES.

You probably already know how the earth is divided into 24 "standard" time zones. But did you know about the 16 additional, "non-standard" time zones?

Don't worry. The Geochron has them all covered, all year long — even during periods of daylight-savings time.

What's more, the map on every single Geochron we make is designed to reflect changes in the world order (for example, the unification of Germany, the breakup of the former Soviet Union).



By looking at a Geochron, you experience what it would be like to see the earth from outer space.

HOW TO TELL TIME WITH A GEOCHRON.

What about those non-standard zones we just mentioned? Simple. Those non-standard and pocketed zones have boundaries that do not extend to an arrow. Instead, they're marked with a letter and a number.

The letter, derived from international radio call letters, tells you which arrow of the Geochron to read, while the number shows you the number of minutes the region deviates from standard time. For example, the designation of India is E + 30, which means you add 30 minutes to the time you read on the E pointer.

You've just completed the most difficult calculation of international time a Geochron owner ever has to compute. Congratulations.

WHAT DAY IS IT, ANYWAY?

Reading the date and day of the week is a snap 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.



WHAT MAKES A GEOCHRON TICK.

Whether it's the Original Kilburg, the standard, an executive model or one of our boardroom models, every single Geochron we make is hand-crafted in Redwood City, California, USA.



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

After over 30 years, every single Geochron is still made completely by hand to your specifications. If you require a little more technical information, here are some other things to know about the Geochron. (If you don't, please feel free to advance to the next section.)

Mounting. The Geochron can be mounted on any flat surface in the same manner as a picture. Standard surface mounting brackets are



The Standard Geochron is popular among educational institutions all over the world. Available in seven laminate finishes.



The Original Kilburg Geochron, shown in black "Escada" leather, features a minute analog to make it even more precise.

supplied. If you prefer, it can also be recessed into the wall with special flush mount brackets that must be ordered separately. The recess opening required is 33 5/8" x 21 3/8" x 4". Installation instructions are supplied with each unit.

Manual controls. The 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 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 current. The other knob sets the date indicator and light pattern. A third knob controls the minute dial located at the Geochron's upper right hand corner.



The Executive Model Geochron features a choice of real wood veneer housings, making it the logical choice for international banks, executive offices and other global corporations.

Available housing. The Geochron comes in seven laminate finishes. Rich "Escada" leathers are also available, as well as custom wood housings with various accent moldings. Other custom finishes are available at additional cost. Geochron's metal trim pieces are available in a variety of anodized finishes. Specify choice when ordering. Finish samples are available upon request.



The Boardroom Model features a limited edition plaque with gold anodized trim and components designed to protect inner workings from a wide variety of atmospheric elements.

Electrical. Geochron is supplied with a choice of standard currents, including 120 and 220 volt, 50 and 60 cycle, etc.

Illumination. Uses two 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. The Geochron map is reproduced in part from Chronaflex positives of the U.S. Naval Oceanographic Chart #1262.



The Contemporary Model Geochron is available in a choice of Stainless Steel, Anodized Aluminum or Polished Brass.

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 with Geochron and are copyrighted by Geochron Enterprises., 1986.

Warranty. The Geochron is warranted against defective workmanship and materials for a period of one year from date of purchase. Geochron components supplied by manufacturers other than Geochron Enterprises carry the warranties of these other manufacturers.

FREE ART PIECE, CONVERSATION PIECE WITH EVERY PURCHASE.

As the cover of this brochure suggests, when you purchase a Geochron you're buying much more than a timepiece. You'll be the owner of what the Smithsonian Institute calls "the last significant contribution in time keeping."

You'll be the owner of a unique piece of art that, unlike most art pieces, actually has a function. (Since when did the Mona Lisa do anything but smile?)

And lastly, you'll also be the owner of quite a conversation piece. Which just might explain why Geochrons have adorned the homes and offices of celebrities and dignitaries ranging from John Lennon to General Norman Schwarzkopf, and from Shirley Temple Black to Ronald Reagan.



President Ronald Reagan gave Mikail Gorbachev a Geochron as "an example of American ingenuity."

DON'T WASTE ANY MORE TIME.

So there you have it. Of course, there is plenty more we could tell you about the Geochron Global Time Indicator. But by now we figure you have all the facts needed to make an intelligent purchase decision.

However, should you need more information, just call 1-800-342-1661 during regular business hours. We'll be glad to explain anything, plus tell you the location of your nearest authorized Geochron dealer.

Thanks for reading. We hope you now understand why Geochron is, without a doubt, the premier world timepiece for anyone whose personal or professional interests lie beyond the boundaries of local time zones.

*For more information on Geochron,
please view our Web site:
www.astrocom.de*

or contact us by eMail: geochron@astrocom.de

**TO ORDER YOUR GEOCHRON,
CALL +49-89-8583 66-0**

US Trademark Registration No. 1,495,046 GEOCHRON.
US Trademark Registration Logo No. 1,516,324. US Patent Nos. 3,316,706 and 3,226,926.
The Kilburg Geochron World Time Zone Map, May 16, 1986, No. 229,218.

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MANUFACTURERS OF
GLOBAL TIME INDICATORS





Executive Model

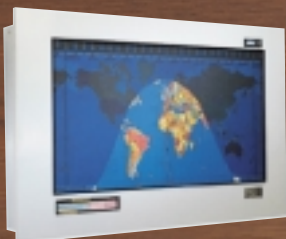
(Spice Oak with gold trim & wood stand)
 Brass presentation plaque (optional)



Standard Geochron
 (Supreme Walnut with gold trim)



Original Kilburg Geochron
 (Cognac leather with gold trim)



Contemporary Model Geochron
 (Satin Anodized with black trim)



Executive Model Geochron
 (Cherry-Cherry with gold trim)

**SPECIFICATIONS
 OF GEOCHRON**
 34 1/4 X 22 1/2 X 4 1/2

Distributed by:

ASTROCOM



The ultimate timekeeping device.