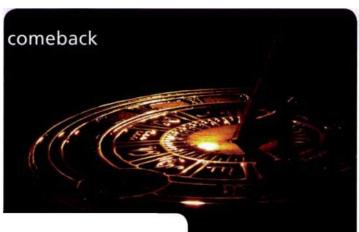
# INTERNATIONAL WATCH October 2006

# **Natural**

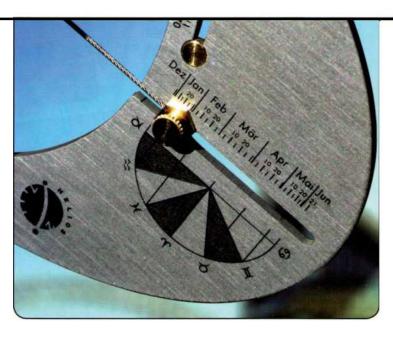
BY JORDAN A. ROTHACKER

# **HOROLOGY**

Sundials are making a comeback



"Behold, I will bring again the shadow of the degrees which is gone down in the sun dial of Ahaz, ten degrees backward." – Isaiah 38:3



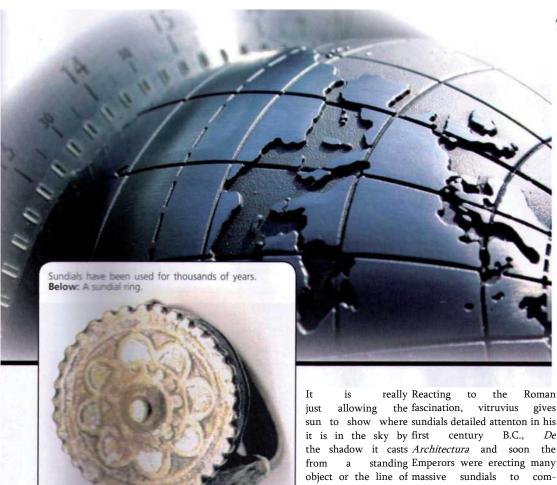
ime, and the management of it throughout the day, has always been essential to humans. To look at the technological glories of the ancient world and the great ancient civilizations is to always find creative and effective ways of recording and monitoring the passing of time.

The ancients, much like modem man, could not make these time-telling tools with a purely functional capacity. Along with the "primitive" insight of their technology, we also cherish their horological relics for their aesthetic value.

Surveying the creative means employed in time-telling, we find such devices as the hourglass, dating arguably as far back as the eleventh century the

228 WWW.FINELIFEMEDIA.COM

OCTOBER 2006INTERNAT1ONAL WATCH



water-clock from Mesopotamia and the sundial's origins in ancient Babylon. China, possibly as early as two thousand Beyond these early literary references, years before the common era: and the this method of telling time most likely one that has remained most popular and began in ancient Egypt before it was fashionable, the sundial.

appear to be a simple clock, is actually a the rest of the world but flourishing form of astronomical calendar, as it in the eastern Mediterranean. chairs the position of a heavenly body, The Romans zealously adopted the sun's position and reveals the time,

a surface.

The Old

Testament mentions a sundial in the Book of Isaiah, and Herodotus reiterates found throughout the ancient Near East. The sundial, though it might Soon it was seen popping up around

namely, the sun. While it charts the similarly shaped obelisk of ancient Egypt dials in Rome is the obelisk in and also adopted the concept of the the Piazza del Popolo. Brought sundial.

the fascination, vitruvius gives B.C., light it draws across memorate events and to indicate time publicly.

> The Greek term gnomon, which was used for the Lshaped carpenters square, was also given to the upright part of a sundial (the word basically means something enabling thing else to be known). For the same upright part, the Romans employed the term "stylus", from the Greek stulos, meaning stake pillar.

> One of the most famous back from Egypt by Emperor Augustus and dating back to the thirteenth century B.C,

> > WWW.FINELIFEMEDIA.COM

**INTERNATIONAL** WATCHOCTOBER 2006

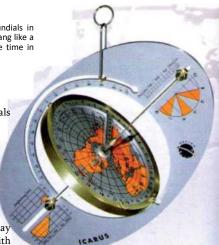
The Icarus, made by Helios Sundials in Germany, is portable and will hang like a wind chime. It will indicate the time in any time zone.

it originally commemorated the cathedrals used large victory over Mark Anthony and Cleopatra and was moved to this Piazza in the 16th century from its original place in the Circus Maximus.

While more advanced clocks and then watches developed throughout Europe from the Middle Ages to the Renaissance, leading into the haute horology of the Enlightenment, a special brand of purists spent time innovating the simple and natural timekeeping of the sundial. Medieval

sundials to mark the times of veneration, and this period also saw the rise of portable travel sundials, like the diptych, which folded out to use a string as the shadow-casting gnomon.

The Renaissance saw sundials on grander scales and often paired with mechanical clocks to display the accuracy of the mechanism. With the complicated clocks and watches of the Enlightenment, sundials took on a more decorative capacity,



the English Garden style.

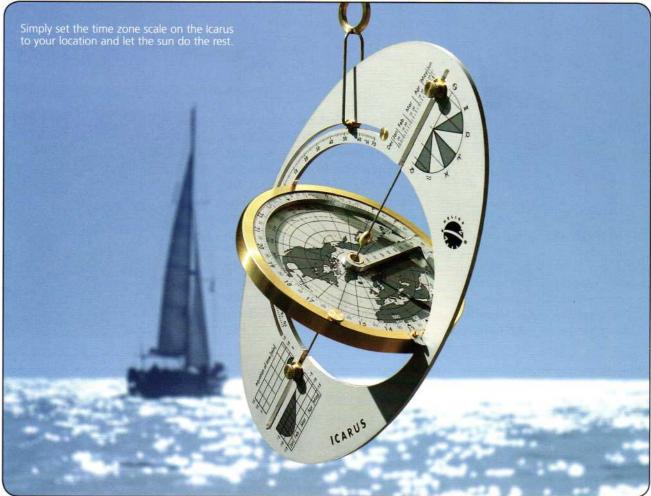
### **Lush history**

The history of the sundial is visually lush and creative, as the basic engineering concept of perpendicular stylus or gnomon over a dial and hour lines allows great freedom of expression. The ability to place a sundial anywhere open to the solar path also contributes to this freedom of expression, and

furnishing homes and becoming a these natural clocks can be found in staple of garden décor, especially in graveyards, flat against sides of buildings with gnomons pointing downward, in town squares, and even on one's person, most often with thematically corresponding designs per location.

Exploring and preserving this past is the California-based group the Atlantis Organization. When its members are not looking for their eponymous lost city, they are pulling rare prizes of days gone by off the ocean floor.





Nelson Jecas is a member of this group and also a watch enthusiast who spends his time diving for the past. Throughout his career, he has dredged up many artifacts of horological interest. Two years ago, off the coast of New Jersey, Jecas found cargo remains from what must have been a galleon. In this wreckage was an unusual horological find, a finger sundial, to be worn like a ring. Experts were able to date it to the sixteenth Century and attribute its national origin to Russia. Moreover, not only did it function for portable timetelling, but it carried an important past within, as shaking it indicates the piece of bone or relic inside. The finger sundial now rests safely in the church museum of St. John the Divine in New

York City.

## **Modern examples**

Today, with our range of horological devices, there are still many exciting designers producing sundials, which tell time and create a fine aesthetic content for a home or garden.

The world of complicated sundials includes the Icarus, manufactured by the German Company Helios Sundials.

The Icarus is portable and will hang like a wind chime, but the amazing thing about it is its ability to indicate the time in any time zone to which one could travel. Simply set the time zone scale to your location and let the sun do the rest. Also included are a date scale and a zodiac chart to denote the sun's position in the heavens. The

Icarus retails for 295 euros (about \$375). The firm makes other varieties with equally global-minded names, including the Mondo, Magellan, and Helios, which are priced up to \$3,750.

The future of sundials might be digital, or so John Rosevear, President of the Skyclock Company, hopes. On the Skyclock website you can preview this product, which with the entry of your longitude and latitude lines can give you the precise solar time for your location. It even delineats such an important time of day as dusk, when colors Start to fade and animals are more prone to be out on the road.

If Mr. Rosevear is correct, we might be seeing Skyclock in homes and cars and maybe other portable capacities.

Since 2000 there has been a watch by Zinom called the Sundial-Watch that, though it operates just like a regular timepiece, tries to evoke the sundial image with the hour hand more prominent and the minute hand smaller. The Sundial-Watch is a fun design concept and a value in two styles, each priced at \$200.

All of this just goes to show that, though we have come a long way from the ancient world, there

