

## Untitled

### 1. "Mithraism and ancient gnomonics" by Albéri Auber Paolo

The article presents at least two ancient sundials that can be connected in a very strict and incontrovertible way to Mithraism thanks to the inscription. On other occasions the author already pointed out some inescapable traces of the Mithraic ideology in gnomonics: the Plintio of Euporus in Aquileia and a sundial with crescent Moon from Concordia Sagittaria. These precise evidences, here reported and commented, now provide an even more solid picture of the Mithraic links in ancient gnomonics, at least in the high-Adriatic area.

### 2. "Paper sundials by transparency" by Anselmi Riccardo

The article topic concerns a series of small paper dials that, except for the first one, work both by transparency and by reflection.

### 3. "An original bifilar sundial with helix wires" by Baggio Francesco

The author illustrates an original creation: a bifilar portable polar helix sundial. The method used for the calculation is also shown in the final appendix.

### 4. "The human body as the first solar gnomon" by Calvino Ruben

The human body was the first tool for measuring shadows and, apart from us, no human variant left an evidence of knowing the gnomon. This was therefore an exclusive practice of our ancestors, which would then have surely influenced the perfection of our graceful appearance, vertical posture and bipedalism, and finally led to the physical and external reproduction of our body, in the form of a sundial gnomon.

### 5. "An original monumental sundial" by Casalegno Gianpiero

The article describes a monumental sundial created in a subway station in Munich, which takes advantage of the shadow projected from the edge of a truncated cone "well" on the walls and on the floor of the same. The operating principle of this sundial is illustrated, together with a possible method for its calculation.

### 6. "The sundial of Sant'Ambrogio, now of the Catholic University of Milan" by Del Favero Enrico

The 1756 meridian line of the Sant'Ambrogio Monastery in Milan was incorporated in 1797 into a military hospital, which became the location of the Catholic University in 1929. The work was destroyed with the air attack of Milan in 1943. But the discovery of an important document in Umbria now allows its almost complete reconstruction.

### 7. "Gnomon consisting of multiple lenses" by Ferrari Gianni

The article deals with the geometric optical study of a system with multiple thin lenses and the possibility of using it as a gnomonic point in a sundial.

### 8. "A graphic problem: comparison between Analemma and Saphea" by Gunella Alessandro

The comparison between graphic techniques based on the schema of the Analemma and the Saphea is a sort of seventeenth – eighteenth century residual of the use of such tools in an era preceding the development of mathematics and astronomy, which have relegated these tools in a corner.

### 9. "The Roman sundials of the ancient Praeneste (first part)" by Severino Nicola

The measure of time in Roman Praeneste, illustrated through the myth of the Varrone Horologium and the Roman period sundials of great importance, among which two recently found in archaeological excavations.