

Contents of ZON & TIJD 2023.2 (nr. 145, June)

Editors

- 3 **Editorial: The waste of daylight**
The use of daylight saving time is still a matter of debate. In the antique world, seasonal hours provided already a natural form of daylight saving.
- 4 **From the NL Board - Secretariat**
Questions for information or advice are coming in regularly. One concerned a weathered sandstone dial on an old church. Three members regularly represent the Society on meetings of the mathematics teachers society. Eleven new members joined the Society since last November.
- 5 **Summer excursion on 8 July to Groningen - Hans Stikkelbroeck**
The excursion will visit the city as well as the province of Groningen.
- 6 **From the Sundial Society of Flanders - Eric Daled**
The bye-laws of the society are being revised because of new legislation. Heers castle once had a sundial. The monument will be renovated and we hope a new sundial will be part of that. Willy Leenders sent photos of 38 sundials with mottoes from the Belgian province of Limburg.
- 7 **A half sundial serves a full day - Patric Oyen**
Using a highly reflective gnomon on a horizontal dial for local solar time, the hour line pattern of the morning hours also serves to read the afternoon hours.
- 8 **A hat for the sun. A visual tour of corniced sundials in Europe (part 1) - Manuel Pizarro**
In a peculiar dial type, a 'hat' or cornice gives a curved shadow on the cylindrical pillar. The time is read from the highest point of the shadow edge. Manuel lists a dozen or so examples from across Europe. His article appeared originally in the Catalan sundial magazine 'La Busca de Paper'.
- 14 **The equation of time, a mathematical game - Willy Leenders**
Willy comments on the changing shape of the EoT curve in 10,000 years, which Kevin Karney presented last February on the Sundial Mailing List.
- 15 **The old puzzle: a line game - Frans Maes**
A theorem for hour lines on a flat dial appeared to have a simple proof.
- 16 **The Cole Pattern sun compass - Peter de Groot**
Peter describes the Cole Pattern sun compass which was bequeathed to the Society by Hans de Rijk. He also made a model himself and explains how to use the compass.
- 20 **The determination of wall declination - Hendrik Hollander**
Hendrik details how he measures the declination of a wall. He uses a theodolite and a protractor or a ruler, and combines the outcomes statistically to obtain the most probable value. His exposé is illustrated with a sundial project for Sonnenborg Museum and Observatory in Utrecht.
- 24 **A finger to the sky - Mieke Steenhout**
Miek's column contemplates on an armillary sphere, with its pole-style pointing upward.
- 25 **Sundial mottoes (part 2) - Eric Daled**
Eric writes about sundial mottoes from around Europe. This concluding part deals with German speaking countries and France.
- 30 **Educational sundial garden at Ludiver planetarium (France) - Frans Maes**
The planetarium grounds - in western Normandy - have an educational sundial trail, covering many sundial types. The trail was conceived and constructed by well-known gnomonist Jean-Michel Ansel from *L'Atelier de Hélios*.
- 35 **Do you know about this? - Editors**
A framed tile tableau shows a menorah in a Star of David. Around it are the hour numerals for a direct south dial, but there never was a pole-style. What is it, and what purpose did it serve?
- 36 **Report of the meeting of 18 March in Tricht - Secretariat**
In the morning, a workshop on spherical geometry was given. The meeting featured a talk on sun compasses by Peter de Groot (article in this issue). Sundial models etc. from two deceased members were raffled among those present. Results of the membership survey from January were presented. In brief: The average age is quite high; Zon & Tijd is highly appreciated; a frequent Newsletter would be welcomed; and willingness to join the Board is low. The AGM concluded the meeting.
- 37 **The new puzzle: hat dial - Frans Maes**
The question is to derive the equations for hour and date lines on a hat dial.
- 38 **Contents of this issue - Editors**
- 39 **Information on the Netherlands' Sundial Society and the Sundial Society of Flanders**