

Contents of ZON & TIJD 2023.1 (nr. 144, March)

Editors

- 3 **Editorial: Carpe diem**
This motto stems from the Roman poet Horace. Contrary to its present perception, its original meaning is: don't put off till tomorrow what you can do today.
- 4 **From the NL Board - Secretariat**
The AGM will be held on 18 March in Tricht. A workshop on spherical trigonometry will be held in the morning. In the afternoon meeting a presentation will be given on sun compasses. Results of a membership survey will be presented. The annual excursion will visit Alkmaar and its region.
- 6 **From the Sundial Society of Flanders - Eric Daled**
2023 started with 39 members. The cube-shaped dial auctioned last year has been restored and is now located in Brussels. The gnomon of the new sundial in De Klinge has been damaged already. The Catalan Sundial Society published a book by Eduard Farré i Olivé on the timepiece in the Royal palace of Perpignan from 1356. The journal *Cadrans solaires pour tous* announces a photo competition; deadline 15 May.
- 7 **News flashes - Editors**
New analemmatic dials have been inaugurated in Almelo and Roermond. Gerard van der Braak started a website with his collection of sundial photos from around the world: www.zonnewijzers-nederland.nl. A list of sundial congresses was given.
- 8 **Iconic sundial on a roundabout near Zutphen - Hans Schipper**
In a roundabout with underpass for cyclists and pedestrians, a large pole-style sundial was constructed. The shadow of the 17-meter-long style on the edge of the circular opening indicates the time.
- 10 **The Belgian altitude dial: a Hevelius dial - Steve Lelievre & Sue Manston**
Translation of the article in BSS Bulletin 34(iv), Dec. 2022. The authors suggest that the dial was used with its long side horizontal. They explain the construction of a Hevelius dial and found that Hevelius was not the inventor of this dial type.
- 13 **How to use the Belgian pocket dial? - Frans Maes**
Frans suggests that the dial was used with its short side directed towards the sun, and he demonstrated it with a model. Instead of sights, the shadow of a pin is used to check the correct orientation.
- 14 **Antwerp ... 'according to the Sunne's course'. Part 2. The sundial of the Exchange - Joris Willems**
Joris made a detailed study of the adventures of the sundial on a tower of the Antwerp Exchange, which existed from the 16th century to 1872.
- 21 **Readers' letters: The sundial at Rolduc Abbey**
Hans Wilschut suggests an alternative explanation for the dial's odd hour line pattern (Zon & Tijd 2022.4, p. 12): instead of vertical at 29° N, it might have been inclined 107° at 51° N. Willy Leenders replies.
- 22 **Sundial mottoes – part 1 - Eric Daled**
Eric writes about sundial mottoes in some European countries. This part deals with Great Britain, the Netherlands and Belgium.
- 26 **Noon at a line - Mieke Steenhout**
Mieke contemplates on the meridian line in St. Martin's church in Aalst.
- 28 **A wooden sundial puzzle - Peter de Groot**
The design drawing and instructions for a simple equatorial dial from plywood.
- 29 **Chatting about sundials - Peter Smit**
Peter asked ChatGPT about altitude lines on sundials and got a nearly correct answer. He asked DALL-E for a picture of a robot making a sundial.
- 30 **The solar analemma with sunrise and sunset - Wim Heirman & Jos Pauwels**
To explain why earliest/latest sunrise and latest/earliest sunset do not occur on the solstice days, they connect the points on the analemma with the same times of sunrise and the same times of sunset. The lines tangent to the analemma give the dates sought for.
- 33 **Puzzle: sundial hunt and line play - Frans Maes**
In a small square in Tarquinia (Italy), a paving stone with 'XII' is seen. Also hours XI, X and IX are present, connected by a curved line, which appears to be the summer solstice declination line. The gnomon is one corner of a tower. The new puzzle asks for a proof of a theorem for hour lines on a flat sundial.
- 36 **Annual report 2022 of the Netherlands' Sundial Society - Secretariat**
- 37 **The treasurer's report 2022-2023 of the Netherlands' Sundial Society - Treasurer**
- 38 **Contents of this issue – Editors**
- 39 **Information on the Netherlands' Sundial Society and the Sundial Society of Flanders**