

# Contents of ZON & TIJD 2025.2 (nr. 153, June)

Editors

- 3 **Editorial: Summer - Editors**  
Send us your sundial findings from the holidays.
- 4 **From the NL Board - Secretary**  
The summer excursion, organized by Hans Schipper, will take place in and around Zutphen on 5 July.
- 5 **From the Sundial Society of Flanders - ZKV Board**  
The AGM of 23 April decided to dissolve the Society. The necessary legal steps are being taken.
- 6 **An unusual measuring instrument from Malines - Eric Daled**  
The instrument was described by Martin Jenkins in BSS Bulletin 2024 (ii). It was designed by Louis Michiels, who also wrote an instruction booklet. It is a solar altitude meter and was used to determine the moment of solar noon, using two readings, before and after noon. The construction and functioning are described. A third copy was found in the Musée de la Vie wallonne in Liège.
- 10 **Sundial art of Katja Mater in Buda - Hendrik Hollander**  
Buda is an industrial zone at the north-west edge of Brussels. Hendrik collaborated with artist Katja Mater in constructing five sundials, each for a specific hour, out of numerals found in the area.
- 13 **ZWEXCEL: a sundial program in Excel - Hans Wilschut**  
No download required, and working on all popular platforms, ZWEXCEL uses the approach of Fer de Vries. The program is written in VBA by Ton Becker. A test version is available on our website > Zonnewijzerkunde > Berekeningen. Manuals are available in Dutch, English, French and German. Hans requests your feedback.
- 14 **A unique sundial inaugurated in Meteren - Willy Leenders**  
An archaeological park, in which a sundial for hours to sunset was laid out, was inaugurated on 12 April. The dial was designed by Willy. He gave an explanatory talk, published in this article.
- 15 **The inauguration of the sundial in Meteren - Editors**  
A brief account is given, with some photos.
- 17 **The Sundial tourist visited Trébeurden (Brittany) - Hans Schipper**  
An 'inverted analemmatic sundial' has been constructed in the pavement of the sea front of Trébeurden. It was designed by geologist Odile Guérin and gnomonist Jean-Paul Cornec. It features information about the geography and geology of the region, solar astronomy, and the tides, hence the name Géosolmar of the construction.
- 18 **The meridian line in the basilica of Santa Maria degli Angeli e dei Martiri in Rome - Hans Wilschut**  
Francesco Bianchini constructed this meridian line in 1702 for measuring the date of the spring equinox and the latitude of the location. For the latter, the projection of Polaris was used. Hans discusses the information present along the line. He found some errors in the position of stars. The projections of Polaris are ellipses, which are laid out for Holy Years (multiples of 25) from 1700 to 2500.
- 22 **Sundial installations of Pierre Brault - Frans Maes**  
Paris artist Pierre Brault has designed a number of sundial installations, to be constructed on blind walls. Although creative and interesting, they would not function properly around the year.
- 24 **Inauguration of the Klare Wal art project - André Reekmans**  
The art work marking an archaeological 'henge' in western Belgium was inaugurated on 21 March. It consists of three pairs of sculptures provided with dichroic glass windows. These are aligned so that sunrises and sunsets can be observed through a pair during the equinoxes and solstices.
- 25 **A sundial without gnomons - Joan Olivares**  
Protruding gnomons were avoided by using the hour numbers themselves as gnomons. They were mounted on the gate so that their shadow was minimized at the corresponding hour. Translation of the article in Busca de Paper 93 (2019).
- 27 **The four seasons - Janny Wijchman**  
Janny traced the origins of the names of the seasons in a number of European languages.
- 28 **Book review: Sonnenuhren nach und fern - Hans Wilschut**  
The book by Renate Frank and published by the German sundial group, consists of two dozens of columns about sundials in various places, at home and abroad, with some background text, without much technical details. Hans found out why Queen Beatrix of the Netherlands unveiled the restored Seven Dials in London on 29 June 1989.
- 29 **Puzzle: railroad track and Roman sundial - Frans Maes**  
A straight railroad track of 29.5 km would be dug in 17 m and would only be 26 mm shorter. What was wrong with the reading of a sundial in ancient Rome that was correct in Catania?
- 30 **Report of the meeting of 22 March in Tricht - Secretary**  
Unexpectedly, Frans Maes was awarded Knight in the Order of Oranje-Nassau. Allart Okx gave a talk on his glass sundials (see the previous issue).