

Contents of ZON & TIJD 2024.2 (nr. 149, June)

Editors

Hint for the digital version: a mouse click on an entry brings you to the page where the article starts.

- 3 **Editorial: Saint Hildevert - Editors**
May 27 is Saint Hildeverts name day. He was a bishop in Meaux (France) and died in 680. Ivory workers/sundial makers in 15th century Dieppe chose him as their patron saint.
- 4 **From the NL Board - Secretariat**
The Groningen Museum has acquired a wooden baroque sculpture from ca. 1700, which holds ten sundials (photo on p. 35). Six new members are being welcomed.
- 5 **Summer excursion to Nijmegen on 6 July - Secretariat**
With a preview of the objects to be visited.
- 6 **From the Sundial Society of Flanders - Eric Daled**
The AGM has been replaced by an e-mail poll this year. Next year a new Executive Committee will have to be elected for a five-year period. New members are being solicited.
- 7 **Restoration of a sundial at 'Huis te Manpad' - Hendrik Hollander**
An old stone disk (\varnothing 1 m) had sundial layouts on both sides, about NW and S oriented. The NW side was of better quality and was restored. The disk was mounted free-standing in the park, so that both sides are visible and the NW dial can tell the time correctly.
- 13 **Book review: Die Sonnenuhr geht immer richtig - Hans Wilschut**
The sundial poems of Heinz Schumacher were collected by Gerold Porsche and published by the Fachkreis Sonnenuhren of the German Chronometric Society, as the first volume in a new series publications.
- 14 **The sundial on the belfry of the city hall and lost sundials in Mechelen - François van der Jeught**
The city archives revealed biographical details about Baudewijn Ghuens, 17th c. sundial maker. The sundial on the belfry is the only one extant.
- 16 **Experimenting with EquaTime - Hans Schipper**
The EquaTime simulation program from Anno Buij calculates the analemma for any planet, based on the planetary parameters entered. A playful challenge is to produce given 'analemma art' shapes.
- 21 **The Roman sundial in Bonn - Hans Wilschut**
The quality of a horizontal dial, excavated in 2002, is analyzed with the 'camera obscura' method. It compares favourably with finds from Wiesbaden and Frankfurt.
- 25 **A sundial on a mansion got a second life - Patric Oyen**
Dijkstein House was built at the beginning of the 18th c. Around the turn of the 20th c. a sundial was installed using the *sgraffito* technique. In 1983 the mansion was converted into a residence. The sundial was restored and retained in a recess in the new wall.
- 28 **From sundial to sundial along a meridian to Cistercian abbeys - Willy Leenders**
A group of Friends of Herkenrode Abbey (near Hasselt, Belgium) traveled south along its meridian, visiting (former) Cistercian abbeys and sundials on the way. The final stop was Brou (Bourg-en-Bresse, France), where the oldest extant analemmatic dial is located right in front of the church in flamboyant gothic style.
- 32 **Velocity of the spot of light in an annular sundial - André Reekmans**
A small hole in the stone ring causes a spot of sunlight to move over an analemma. Using a 3D model, the speed of the spot over the year was calculated. Relationships with the equation of time and its derivative and the rate of change of solar azimuth were analyzed with Fourier series. The second cosine harmonic appeared to be dominant in the shape of the velocity curve.
- 35 **Report of the meeting of 23 March in Tricht - Edo Walda**
In the morning, the workshop on spherical geometry was continued. The afternoon meeting featured a talk by Hendrik Hollander on the restoration project of a round stone sundial. See his article on p. 7. Frans Maes presented details of a wooden baroque sculpture including ten sundials in Groningen Museum. The AGM concluded the meeting. New Board members are being sought. The new sundial book is selling well.
- 37 **Puzzle: a dial in a city square and a birthday present - Frans Maes**
The object is 'La Pierre d'Heures', a sculpture by Christian Renonciat in the Place des Loges Coquault in Reims, France. The hour lines on the wall of the adjacent building diverge, but should converge to the touching point of the pole-style's extension, as explained by Willy Leenders (p. 28). The new puzzle asks for the design of a sundial on which the shadow of the gnomon vanishes on the date and hour of birth of the beneficiary.