

- ZON & TIJD 2021.4

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Sommaire en anglais.

- 3 **Editorial - Editors**
On the perception of time.
- 4 **From the NL Board - Hans Schipper**
We hope the January meeting can be held. Hans Schipper directs the implementation of a new law (WBTR), aimed at stricter management procedures.
- 4 **Table of equation of time and solar declination for 2022 - Frans Maes**
- 5 **A closer look at Delden-05 - Wytze Boersma**
After finishing the sundial course, Wytze set out to study sundials in his home town, Delden. Close by he found a half rhombicuboctahedron with remains of 13 sundials.
- 8 **From sundial course to garden shed sundial - Jo Vaerewyck**
After finishing the sundial course, Jo designed a sundial with hour and date lines on his garden shed. Next, four smaller sundials were added, for Babylonian hours, inverse Italian hours (hours to sunset), elapsed part of the day, and solar altitude - azimuth curves. An equation of time indicator is being designed.
- 10 **Armillary sphere with equation of time mechanism - Peter Ritmeijer**
The sundial Delft-04 has a movable hour ring that is shifted by a date wheel with a slot that resembles a polar graph of the EoT. Peter analyzed the functioning of the mechanism, which appeared to be correct.
- 13 **The clock and the sundial - Jos Decorte**
When summertime ends in October, the clock is turned one hour back. In this philosophical essay Decorte starts asking whether this hour is thereby eradicated from history. This brings him to consider the nature of time and takes him back to his youth. Decorte was a philologist and philosopher who died in a traffic accident in 2001.
- 16 **Sundial at the Huygens building inaugurated - Hans Schipper**
The double mean-time sundial at the Huygens building of Radboud University in Nijmegen, with split analemma's, was inaugurated on 15 September by unveiling an informative plaque.
- 18 **Solar declination in equation - Frans Maes**
The accuracy of one- and two-term approximations was determined. With one term, differences were up to 1°; with two terms they remained within 0.01°.
- 20 **Greenwich upon Scheldt. Time measurement in Antwerp port in the 19th century (part 2) - Joris Willems**
After the astronomical pavillion had been fallen into decay, a new one was built on the same meridian, so that the tower of St. Paul's church could again be used to determine meridian passage. Son Felix De Kemel was put in charge of the new observatory. A time ball was erected on top of the building.
- 24 **The Flemish Capuchins as sundial designers and makers (part 6) - Eric Daled**
Another multiple, horizontal sundial on a marble plate turned up in a private collection. The dial was made by Brother Amantius in 1819. It shows local time in various places around the globe, as well as Hebrew (antique) hours.
- 27 **Report of the 27th AGM of the Flemish Sundial Society - Eric Daled**
Report of the (physical!) AGM of 23 October 2021 in Genk. The 2021 annual reports and the 2022 budget proposal were endorsed. Following the meeting a guided tour was conducted of the Genk Sundial Park, which had recently been renovated.
- 30 **German Fachkreis Sonnenuhren 50 years - Frans Maes**
The annual conference of the German Sundial Society was held in Ladenburg (Odenwald) in early August, close to Weinheim where the society was founded on 25 September 1971. A *Festschrift* was published which has a lot of history, and describes among others the activities during that period: establishing a database of fixed sundials (presently over 15,000 in Germany and 3500 in Switzerland), a picture archive, and a library which includes the society's archives.
- 32 **Puzzle: Visvliet squares and crossword - Frans Maes**
The pattern from Visvliet has 40 squares altogether. The new puzzle is the by now traditional crossword.
- 34 **Contents of this issue - Editors**
- 35 **Information on the Netherlands' Sundial Society and the Sundial Society of Flanders - Editors**

Merci à Eric Daled et Frans Maes.