

Contents of ZON & TIJD 2020.4 (nr. 135, December 2020)

Editors

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

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| <p>3 Editorial
On the subjective perception of time.</p> <p>4 From the NL Board - Secretariat
A digital AGM has been held. The 2019 annual reports and the budget proposal for 2020 were endorsed. Frans Maes was re-elected as board member. Ruud Hooijenga will pass the secretary's duties on to Hans Schipper.</p> <p>4 Genk Sundial Park is being renovated - Editors
Since its inauguration in 2000, the sundials had deteriorated. At the insistence of Willy Leenders, the City of Genk is renovating the dials. More about the results in the next issue.</p> <p>4 Table of equation of time and declination for 2021 - Thijs de Vries
This year the table is provided as a separate, easy to carry card.</p> <p>5 Using the sub-nodus point to determine the declination of a wall - Frank King
Frank derives equations for the declination of a sundial and the length of the gnomon, which apply to vertical as well as proclining/reclining dials. Translation of the article in BSS Bulletin 32(iii), September 2020, p. 23-25.</p> <p>8 Floris and the sundial - Hans Schipper
'Floris' was a TV series for the youth, broadcasted some 50 years ago, about a medieval knight who has all kinds of adventures. In one episode a sundial plays a pivotal role.</p> <p>10 Obituary: Wiel and Elly Coenen - Editors
Wiel and his wife Elly died in a car accident last July. Wiel was a member of the Netherlands' Sundial Society since 1988, and chairman from 1997 to 2004.</p> <p>11 Gnomonics and philately - Part 4: Europe (II) - Eric Daled
Eric presents stamps showing sundials and related instruments from Malta, Austria, Poland and Portugal.</p> <p>14 Sundial on Driesum church restored - Editors
Wyger Smits Painters let us know that they restored this direct south-facing sundial from 1713.</p> <p>14 Medieval astrolabe for the Zuylenburgh collection - Editors
A previously unknown medieval astrolabe has been acquired for the Zuylenburgh collection. More about this exceptional find in the next issue.</p> | <p>15 Measuring time with your feet - Frans Maes
In ancient Greece, time of day was determined by measuring one's shadow length with one's own feet. Simple, easy to memorize shadow tables were used to convert shadow length into unequal hours. They appear to be of limited accuracy. Karlheinz Schaldach made an inventory of medieval shadow tables. Although intended for higher latitudes, they are quite similar to the Greek examples.</p> <p>20 What can we find out by using a sundial? - Jos Kint & Stan Ulens
Jos and Stan list a series of 30 quantities which can be determined using a sundial. These range from time of day in various time systems to solar declination and the eccentricity of the earth's orbit. Measurements were taken from March 2008 to April 2011. The accuracy of the results was in general quite good.</p> <p>26 A sundial with virtual pole-styles - André Reekmans
The sundial model, constructed by the late Aimé Pauwels, consists of four planes (see front cover). The upper corners serve as nodi, whose shadows indicate time (and date) on the other three planes. André derives the equations used for its construction.</p> <p>28 From the Flemish Board - Eric Daled
A digital AGM has been held. The 2020 annual reports and the budget proposal for 2021 were endorsed. The entire board was re-elected.</p> <p>31 Puzzle: Illumination of direct south and north dials, and a crossword puzzle - Frans Maes
The question whether there are dates and latitudes where direct south and north dials are illuminated equally long was answered in the affirmative. At latitudes 36.70° and 64.66° this occurs during the summer solstice, the dates shifting towards the equinoxes at lower (towards the equator) and higher (towards the north pole) latitudes, respectively. The new challenge is a crossword puzzle.</p> <p>33 Heliochronometer looking for a home - Editors
Jan Rietberg designed and built a very accurate heliochronometer in the 70's. The heirs would like to find a museum, observatory or another place open to the public for this instrument.</p> <p>34 Contents of this issue - Editors</p> <p>35 Information on the Netherlands' Sundial Society and the Sundial Society of Flanders - Editors</p> |
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