

Contents of ZON & TIJD 2021.1 (nr. 136, March 2021)

Editors

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

- 3 **Editorial - 3D** - *Hans Schipper*
On depth perception from photos.
- 4 **From the NL Board**
A digital AGM will be held this spring. The agenda is listed. Ruud Hooijenga will pass the secretary's duties on to Hans Schipper.
- 4 **From the Flemish Board** - *Eric Daled*
No meetings are being planned for the first half-year. The AGM will hopefully be held in October.
- 4 **Obituary: Lou Güse** - *Editors*
Lou died on January 2. He was a member since 2014 and designed two analematic dials.
- 5 **A stereoscopic view on sundials** - *Job van de Groep*
Job describes the history and development of stereo photography, which is illustrated by 3D photos of sundials from home and abroad. A pair of red/cyan stereo glasses is included in the hard copies of Zon & Tijd.
- 10 **Solar decliners**- *Fred Sawyer*
A partial translation of Fred's article in the NASS Compendium 27 nr. 1, March 2020.
- 16 **Did the Maya's have solar observatories?**- *Frans Maes*
The Lidar technique recently revealed the largest Maya structure ever discovered. A specific constellation, the 'E group', has been assigned a calendrical solar observation function. This hypothesis is criticized.
- 18 **Gnomonics and philately - Part 5: Europe (III)** - *Eric Daled*
Eric presents stamps showing sundials and related instruments from Russia, San Marino, Slovakia, Slovenia, Spain, Sweden and Switzerland.
- 22 **A horizontal sundial from Mechelen (B)**- *Frans Maes*
A slate horizontal dial from 1827, face size 38.5 x 38.0 cm, was recently brought to our attention. It has lines for modern and antique hours, declination and altitude lines and appears to be very well delineated. In addition, it has a moon dial and a chronogram. The designer and the engraver are not known.
- 24 **Two horizontal sundials with a personal touch** - *Gerard van den Braak*
After his recent vertical decliners, Gerard set out to make two horizontal dials. His copy has an astronomer supporting the telescope-shaped pole-style, his sister's the bow of a violin.
- 25 **Sundial haikus** - *Willy Leenders & Lia Houben*
'Poems Day' (28 January) was being celebrated by a number of sundial related haikus.
- 26 **Optimization of the Yabashi sundial**- *André Reekmans*
André optimized the parameters Yabashi used for his sundial aiming to obtain a uniform timescale, thus enabling to read clock time. Time errors could be reduced by 40%.
- 29 **The sundial on Bergen's 'Ruin church' returned** - *Editors*
The sundial has recently been restored. Photos of the process are presented.
- 29 **Inclining sundial in Kortenhoef** - *Peter de Groot*
Peter designed and carved a sundial in the yew tree stump remaining from his earlier dial. It inclines 10° to the north to have the rain run off.
- 30 **Puzzle: crossword and Pacific crossing** - *Frans Maes*
After solving the crossword puzzle, selected letters had to be arranged to yield a New Year's message. The new puzzle has a ship in the Pacific on 30 December 1899, crossing the intersection of the 180° meridian and the equator at 24:00 hr in southwest direction. What particulars can be noted?
- 30 **Equation of time maximum recorded** - *André Reekmans*
André made a photo of the sun spot on the analemma in his stone ring dial on 11 February 2021, 12:47 CET, when EoT was -14m 12s.
- 31 **Annual report 2020 of the Netherlands' Sundial Society** - *Hans Schipper*
- 32 **The treasurer's report 2020-2021 of the Netherlands' Sundial Society** - *Peter de Groot*
- 34 **Contents of this issue** - *Editors*
- 35 **Information on the Netherlands' Sundial Society and the Sundial Society of Flanders** - *Editors*