

Contents of ZON & TIJD 2020.2 (nr. 133, June 2020)

Editors

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

Editorial	3	A sundial in Burcht (B) gets a second life - Patric Oyen	16
"Summer" - June, after Juno, Jupiter's wife. Also, the festive month: at least ten European countries have their national holiday in June. Vivaldi's "Summer", from the Four Seasons, is more relevant than ever.		The gardener's house of the Wolfsbergpark estate had a sundial from 1637 on the south façade. When the house was torn down in 2016, the sundial was shattered and discarded. The local history group saved the remains and had the dial restored. Patric analyzed the dial's lay-out, noted considerable deviations and suggested history-saving corrections.	
From the NL Board - Secretariat	4	Finally a sundial for oneself - Gerard van den Braak	18
The sundial excursion to Utrecht has been postponed to next year. Five members graduated from the fourth edition of the Sundial Course.		Gerard designed and made a sundial for a wall of his house declining 23.5° east in Zuidlaren.	
Return of the Voorschoten dial - Editors	4	Gnomonics and philately - Eric Daled	20
This horizontal sundial was inaugurated in 2009, but destroyed by fireworks at New Year's Eve a year later. Recently, a new dial has been installed after much pleading by Han Hoogenraad.		Eric presents stamps showing sundials and related instruments from the Mathematisch-Physikalischer Salon in Dresden, Germany.	
19th century graphics serving the equation of time - André Reekmans & Paul De Paepe	5	An original bifilar sundial with helical wires - Francesco Baggio (translation: Frans Maes)	24
A 'porcelain card' was a business card in Flanders in mid 19th century, so called after its coating. This specimen, of a clock maker in Ghent, features the equation of time in minutes year-round.		Two helical slits in a cylinder serve as the 'wires' of a bifilar sundial. A small spot of sunlight falls on the concentric dial face behind the cylinder. The dial was sculpted as a rooster. Translation of Francesco's article from <i>Orologi Solari</i> nr. 15 (2017).	
Summer excursion 2020 / 2021. A virtual tour along sundials in the Utrecht city center - Astrid van der Werff & Hans Stikkelbroeck	6	Projection of an equatorial dial onto a horizontal plane - Han Hoogenraad	27
The annual excursion, planned to visit sundials in the city center of Utrecht, has been postponed to 2021. The article serves as a tour guide for members that cannot wait that long.		An equatorial dial projected onto a horizontal plane in the direction of the equatorial plane yields a dial with a linear hour scale and at right angles a linear date scale.	
The SunCalc program - Hans Schipper	12	Antique scaphe sundial found - Frans Maes	31
Hans presents the SunCalc program for calculating shadow length and direction through the day, illustrated with the case of a wind turbine near his home town Zutphen.		A nice scaphe dial was excavated in Denizli (former Laodikeia).	
Colorful sundial in Oosterbeek - Editors	14	Puzzle: Wandering sun and illumination of a direct south dial - Frans Maes	32
Nic Zuurdeeg painted a mediterranean-style sundial on the east-declining wall of his house.		The change in solar declination determines the daily wandering of the solar image from the heliostat-served solar telescope of the Deutsches Museum in Munich. The change is up to 1/4 solar diameter during the opening hours. The new puzzle asks for the longest and shortest illumination of a south-facing dial at various latitudes.	
European time again - Frans Maes	15	Contents of this issue - Editors	34
Frans compares the effects on sunrise and sunset times through the year of Willy Leenders' proposal for a European time zone based on the 10° E meridian and George van den Bergh's 'Euroclock' proposal from the fifties, for clocks being fast 50 seconds per day from the winter to the summer solstice, and 50 seconds slow otherwise.		Information on the Netherlands' and Flemish Sundial Societies	35
Unique armillary sphere in Berg en Dal - Editors	15		
A renovated armillary sphere was installed in front of the "Groot Berg en Dal" apartment complex.			