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Upcoming meetings in 2019		2
Except for the summer excursion, these will be held in the Community Center in Tricht.		
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The Netherlands-Flemish cooperation has worked well and will be continued next year. To all a healthy, happy and sunny New Year.		
Geldermalsen Sundial Trail extended to Gellicum	Astrid van der Werff	4
A meridian line with analemma on slate has been mounted on the tower of Gellicum church. The church is dedicated to the Nativity of Our Lady; the symbols have been used in the design.		
A present by Richard Melvin	John Souverijn	9
John was presented a horizontal dial made by Richard Melvin in 1856 for the Birmingham area. The equation of time values written in the corners have some flaws.		
A large sundial in Diez (Germany)	Willy Ory	12
Diez houses Oranienstein Castle, from the House of Oranje-Nassau. On the bank of the river Lahn a large park dial has been constructed in 1979. The hour points show also when it is noon and midnight in cities/regions around the world.		
The sundials of W.G. ten Houte de Lange - Part 1	Frans Maes	14
This is a follow-up of research by Martin Jenkins (BSS Bulletin 27.1) on an equatorial dial designed by T.H. de Lange (1885-1967). Family archives revealed that over 1000 copies of the dial have been sold from 1939 into the '60's.		
Delft Blue: more than earthenware	Frans Maes	19
The 52nd parallel runs through the campus of Delft Technical University. Due to continental drift, Delft moves 16 mm to the north annually. Its position at six timepoints in Delft's history have been laid out in blue.		
A homemade heliochronometer	André Reekmans	20
André describes the design and construction of a heliochronometer from simple and cheap materials, and discusses possible causes of inaccuracy.		
The Sundicator	Frans Maes	23
This gadget has a polar plot of the solar path through the year for a given latitude. It was designed and sold by Thomas Spencer in the US. It enables a multitude of measurements to be made.		
A sundial with walking gnomon - addition	Han Hoogenraad	24
Helmut Sonderegger described a 'sundial with walking gnomon' (NASS Compendium 24-1), in which a movable (human) gnomon of specific length served. Han shows that the gnomon can be of arbitrary length if the date is known.		

Puzzle The old puzzle asked for the speed at which sunset climbs a building. This goes quadratic with height. The new puzzle spans ropes around the globe.	Frans Maes	26
From the Board of the Flemish Sundial Society Report of the Annual General Meeting in Tongeren (Gallo-Roman Museum).	Eric Daled	30
Report of the meeting of 22 September 2018 in Leyden The meeting - celebrating the 8th lustrum - was held in Boerhaave Museum in Leyden. Frans Maes was declared honorary member. Rob van Gent gave the keynote lecture on the Antikythera mechanism.	John Souverijn	32
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