

Contents of Bulletin 107, September 2011

R. Hooijenga

'Geldermalsen' in service and prize ceremony *Geldermalsen press* 3

At the end of June 2011, the next sundial in the Geldermalsen Sundial Trail was completed. It is an analemmatic sundial showing civil summer time (dst). Schoolchildren of the Rehoboth school in Geldermalsen were the first to use the sundial.

At the same time the awards ceremony took place for the Geldermalsen Sundial Trail drawing contest "What will Market Square look like in 2084?" Rachel Golstein of grade 6 of the Geldermalsen Rehobothschool was the winner.

A reproduction of Rachel's drawing is on display in the Geldermalsen public library. The original is in a time capsule which is buried under the sundial. Also in the capsule are some photographs of the Market in former times, and the front page of the Geldermalsen News – who financed the sundial in part – featuring the laying of the foundation stones for the sundial on 17 May 2011.

Field trip 2011, report *H.J. Hollander* 4

The trip of 18 June led us to the Eindhoven region. After coffee, the first dial to visit was the 'Sun Court' dial in Helmond by Hollander. The four-year old dial is in good condition.

Next is the *Lux et Terra* sun temple which Lucien van der Eerden built in 1975 and has been expanding ever since. There are several symbolic statues, two sundials, and a mid winter marker.

Verschuuren and De Vries helped build the Varendonck College sundial next on the route. A thorough check revealed that here also, the earth was still keeping correct time.

We had lunch in the Carillon and Natural History Museum in Asten, after which Van Gent lectured in the Observatory on Islamic timekeeping systems and solar and lunar calendars. – In the museum there is an astronomical clock, and also the Astrarium de Dondi that was discussed in this Bulletin earlier.

At the end of the trip, chairman De Groot presented organizers V.d Beld and Verschuuren with a bottle of wine for their efforts.

Cadran Info nr. 21 *D.L.J.M. Verschuuren* 6

A review of the over 126 pages of this journal, as published on CD. Apparently, this medium does not induce concise reports – some papers exceed 20pp in length.

Dials to discover: Bifilar dial in Majorca; Thoughts on the North dial of Annecy; Pocket dials in the Museum of Die; Inventory of Spanish canonical dials made available. - Restorations: Canonical dial of Pouzounac; Noon dial of Saint-Maure les Fossés, presentation of dials and applied techniques. - New dials: Evolution of the Shepherd's dial for "universal use"; The measuring-stick dial of Bruz; A fun "sunrise-sunset" alarm. - Curiosities: Table of Saint-Mars sous Ballon table gives up secrets; A "specific light" for a statue in Arvieux. - Research: Hour lines and ancient dials according to T.S. Davies in 1831, (other approaches will be presented in Cadran Info for October); Camera obscura dials (relating to the penumbra, shadow, and the quality of the light spot projected by an aperture); Sundials in the "dead time" in Greco-Roman antiquity; The nocturlabe, or: telling time from the stars. - History: Is this the first dial by Zarbula? Canonical dials of France in their historical and religious context. - Advice and information: The latest

gnomonic achievements; Manufacture of a bracket triple; Summaries of journals and books of the world; Gnomonic sites on the web; Answers to sundial questions.

More photographs of 2011 field trip P.J.K. Louwman 8

Ootmarsum Sun Calender in literature B.P.U. Holman 9

Scientist, politician and Former Royal Commissioner Jan Terlouw is also an accomplished author. His latest novel *Hell-hounds* features the Ootmarsum Sun Calender in a supporting part. On the occasion, our Bulletin reprints the 2000 brochure (p.10).

Ootmarsum Sun Calender, brochure B.P.U. Holman 10

The text describes the development of the calendar from the first megaliths to the Gregorian calendar. The author then discusses the noon line on the church square of Ootmarsum. Local noon (which can be read on the sundial on City Hall, opposite the church) is at approximately half past one DST. The shadow of the ball on the church tower falls on the noon line where subsequently the date can be read. There are markers for each entry into the next sign of the Zodiac, and smaller ones every ten days in between. A line through a special star-shaped marker and the weathercock on City Hall points to Polaris. To find out more about all this, we are urged to visit the Ootmarsum "Chronomium" Time Centre.

Equation of Time and Declination for 2012 T.J. de Vries 14

Values for each day of the year at noon CET. With a discussion of the derivation of ΔT . Influences of moon and planets on earth orbit are taken into account in the calculations.

Meeting agenda for 2012 Secretariat 14

Contents of Bulletin 107, September 2011 R. Hooijenga 17

Colour pages of B107 editors 49