

APPENDIX

Historical papers presented at FIG Congresses and Working Weeks since September 1985

Brussels 1985

Schonaerts R	Aspect des grandes innovations dans les instruments de mesure
Minow H	Erdmessungsversuche und Grossvermessungen in der Antike
Smith J R	The figure of the earth up to 1750
Elkhadem H	Les méridiennes mesurées par les arabes
De Graeve J	Gemma Frisius et les premier instruments
Pouls H C	Enige opmerking over de eerste driehoeksmetingen in de Nederlanden
Twembeke U van	Vingt siècles de confusion avant l'adoption d'un méridien de référence universel
Fredrik R P	Le méridien de Paris et le système métrique decimal
Paquet P	Evolution historique de la détermination de l'heure
Koeckelenbergh A	Contribution à l'histoire de la méridienne de Bruxelles le grand cercle meridian de Troughton et Simms
Dejaiffe R	Méridien et Méridiennes de Belgique
Mosselmans J	De l'orientation des tracés, des ouvrages et des plans des géomètres
Pfeiffer Fr	Présentation de la section Histoire de l'arpentage au muse d'histoire des arts et de la culture de Dortmund
Schonaerts R	Les grandes étapes de la determination des méridiennes de référence.

Toronto 1986

De Graeve J	Gemma Frisius et les Premier Instruments.
Alberda J E	First Triangulation
Boucher B	The Newton–Cassini Controversy. (Not published)
Wallis D A & McConnell A	Some developments in surveying instrument construction during the 18 th century.
Smith J R	The arc measurement in Peru 1735–1745
Peterson I	The present state of Maupertuis' points
Cox R C	Survey instrument design in the early 19 th century and its influence on measuring precision.
Fisher R C	African Arcs
Allan A L & Hudson C	The figure of the earth.

Helsinki 1990

Baran W	History of creating and improvement of triangulation network in Poland
Verio A	One and a half centuries from the measuring of the Struvean chain
Nejedly A	Aspects of geodetic historiography in Czechoslovakia.

Melbourne 1994

De Graeve J	Why History of Surveying?
D'Hollander R	Determination of one degree of longitude by the Arabs.
Harsson, B G,	The Russian Scandinavian meridian arc measurements 1816–1852 (with Chubey, M S, Kaptug, V A, Preiss G and Umarbaeva N D)
Smith J R	Ronald Stretton Webb and the History of Geodesy
Glatthard T	The surveyor in literature and graphic arts
Biyik C & Yomralioglu T	Land Information Systems in the 1500s

Brighton 1998

Allan A L	Forty years of EDM
Batten A H	The Struve Meridian arc and its significance today
Brock J	The Duke was a surveyor – and so was God!
Colclough A R	Applying Euclid
Débarbat S	An essay on the history of the linkage of Paris and Greenwich Observatories
Glatthard T	Artistic representation of measurement techniques
Hanek P & Svejda A	To the history of the production of geodetic instruments in Bohemia
Korkor F	Historical review of mine surveying and correlation from the earliest times
Linke R	A brief history of charting and surveying down under – an Aussie perspective
Robillard W & Shelton R C	The line that divided a nation – The Mason & Dixon line
Watelet M	The introduction in Belgium of metric metrology

Prague 2000

Härmälä S	Struve Arc
Cooper M A R	Robert Hooke (1635–1703): the hidden surveyor revealed
Hanek P and Švejda A	Historical Surveying Instruments from Bohemian Region

Washington 2002

Babcock T	Stargazers, ax men and Milkmaids – The men who surveyed Mason & Dixon's line.
Danson E	The work of Charles Mason and Jeremiah Dixon
Ingram D L	1746 survey of the Fairfax line in Virginia
Glatthard T & Bollinger A	Swiss precision for US mapping – Ferdinand Rudolph Hassler – First Chief of US Coast & Geodetic Survey and US Bureau of Standards
Remele K	V Colvin. A surveyor tied to the old world, but a man with a vision for the new world.
Spies G	Andrew Ellicott. Englishman, American, Colonial surveyor and a man of vision.
Minnick R	The Spanish influence on surveying & mapping in the Americas
Knetsch J	The impact of Spanish land grants on the development of Florida and the South Eastern United States
Jennings G	History of surveying in Alaska and the Arctic.
Smith J R	The Peruvian Arc measure of 1735–1745
Insley J	"Lower it would not go" – Travel amongst the Great Andes by Edward Whymper in 1879–1880

Paris 2003

Mosselmans J	The Belgian contribution to FIG 125 years ago.
Brock J	A city plan 6200 BC of Catalhoyuk, Turkey
Linke R	Maritime history – Franco–Australian relations
Debarbat S and Schelstraete D	Apport du Méridien et de la Méridienne de Paris (1791–98) pour la définition du mètre "Mesure révolutionnaire"
Vincent R	Paul Adrien Bourdaloue (1798–1868): Premier nivellement d'un grand pays-la France (1857–64)
De Graeve J	L'arc géodésique de G W Struve (1860): Une oeuvre à préserver en tant que patrimoine mondial par l'UNESCO.

Athens 2004

Lelgemann D	On the ancient determination of the meridian length by Eratosthenes of Kyrene
De Graeve J	Update of the Struve arc preservation and monumentation inscription on the World Heritage List
Smith J R	The Struve geodetic arc and its possible connections to the arc of the 30 th meridian in Africa
Lelgemann D	Recovery of the ancient system of foot/cubit, stadion – length units
Brock J	Pyramids to Pythagoras: Surveying from Egypt to Greece 3000BC to 100 AD.

Cairo 2005

Allred G K	Survey Art – An interesting subject
Wallis D A	History of angle measurement
Lelgemann D	Alexandria in Egypt, the native town of the natural sciences
Brock J	Four surveyors of the Gods: In the XVIII Dynasy of Egypt – New Kingdom c 1400 BC.
Paulson J F	Surveying in ancient Egypt
De Graeve J	The Belgian contribution to the 30 th Meridian Arc in Africa
Smith J R	The arc of the 30 th meridian north of the Equator
Zakiewicz T	The Cape Geodetic standards and their impact on Africa

Munich 2006

Lelgemann D	The geodesist Carl Friedrich Gauss in the novel of Daniel Kehlmann. Portrait of a fictitious figure?
Mosselmans C	The Aztec cadastre and Alexander von Humboldt
De Graeve J	Gerhard Mercator. The surveyor and his library
Glatthard T	Swiss pioneers of the surveying of the Alps
Hammer M C	The conquest of the Swiss Alps – the survey and engineering work of Xaver Imfeld (1853–1909)
Brock J	Australia's first surveyor general and Governor, Alt and Phillip – The first settlers of German origin
Linke B	The influence of German surveying on the development of New Guinea
Baitch G	Ludwig Leichardt – the life and the legend
Nagel G	Base line measurements in Bavaria 1801
Harsson B G & Kaptug V	The Struve arc inscribed on the World Heritage Monument List by UNESCO 2005
Smith J R	The work of LaCaille, Maclear and Gill leading to the arc of the 30 th meridian through Eastern Africa

Stockholm 2008

Aeschlimann H	Rise and fall of Kern & Co Aarau, Switzerland
Wennstrom H-F	Erik Bergstrand and the Geodimeter
Sturman B & Wright A	The history of the Tellurometer
Brock J	Gromaticus Maximus: The great Greek surveyor of Roman Egypt – Hero of Alexandria (10–75 AD)
Lelgemann D	The geographic methods of Eratosthenes of Kyrene
Stiros S C	Levelling for qanats, aqueducts, water channels and tunnels in antiquity. Instrumentation and accuracy.
Insley J	The tale of the great theodolites
Pettersen B R	A Repsold theodolite at the north end of the Struve arc
Kershaw M	The reality of precision in the 19 th century: re-evaluating the role of geodesy

Eidenbenz C	Rudolf Wolf (1816–1893), astronomer, geodesist and historian
Kaptug V	On comparison of the three meridian arcs in Lapland
Beintema N	In Struve's footsteps reconstructing a 19 th century surveying masterpiece
Batson D	Surveying the boundaries of the Federal District of Columbia (Washington DC)
Puupponen J & Jarvinen J	Historic video documentation of triangulation measurements in Finland
Kaptug V	Index of field and other important manuscripts relating to the Scandinavian segment of the WH monument "Struve Geodetic Arc"

Eilat 2009

Horovitz Y	The Survey of Israel heritage website
Hucker R A	How Did the Romans Achieve Straight Roads?
Kaptug V	Geometry of the Struve Arc compared with up-to-date geodetic data
Srebro H	The definition of the Israeli international boundaries in the vicinity of Eilat
Collier P	The role of networks in changing survey teaching and practice in nineteenth century Britain and the British Empire.
Doyle, D	Development of the U.S. Geodetic Framework 1807 to Present
Baily B	An Analysis of Old Tide-line Mapping for Coastal Zone Management
Brock J	Film Surveyors Reach the Top: Siege-busting Roman Surveyor at Masada and the Oscar Winning Oil Surveyor