

NORDIC GEODETIC COMMISSION

The Nordic Geodetic Commission held its sixth conference in Helsinki on May 11–15, 1970. The organization was founded in 1953 as a non-governmental continuation to the inter-governmental Baltic Geodetic Commission. The Commission has assembled at intervals of 3–4 years in the four Nordic countries in turn. The presidium is appointed from the country organizing the conference, on this occasion, the president is Professor *T. J. Kukkamäki*, the vice-president Professor *V. R. Ölander* and the secretary Professor *Erkki Kääriäinen*.

The sixth conference was attended by 74 delegates, many accompanied by their wives. The two main themes of the conference were *stellar triangulation* and *the treatment of geodetic observations with electronic computers*. In addition to these main themes, the 31 papers presented dealt with many other current problems of special interest to the countries participating, e.g. *distance measurements, land uplift in Fennoscandia* and *geoid investigations*. All the papers presented, with discussions, will be published.

The conference appointed three new honorary members, Professor *V. R. Ölander* and Professor *Y. Väisälä* from Finland, and Mr. *O. Trovaag* from Norway.

The following 4 resolutions were adopted :

Resolution No. 1

The Nordic Geodetic Commission,

considering that sufficient observation material has been collected to estimate the accuracy of the *K-17* camera, and

considering the successful results of Finnish stellar triangulation

recommends that Denmark, Norway and Sweden intensify measurement of the plates and the observations made so far

– that Finnish stellar triangulation be extended by means of test measurements on a wider basis and that continuation of satellite programmes with both active and passive satellites be investigated and possibly extended to include all four Nordic countries in cooperation with Western Europe.

I.A.G.

Resolution No. 2

The Nordic Geodetic Commission,

considering that the Nordic countries are interested in extending the European satellite station net to Iceland,

suggests that the Western European Sub-Commission of the International Commission for Artificial Satellites should establish such a station. Further suggestions for activities in Western European cooperation will be presented later.

Resolution No. 3

The Nordic Geodetic Commission,

considering that the data used or to be used in the first adjustment of the RETRIG will not be the final ones, but complementary observations will necessitate additional adjustments of the Nordic Block, and

considering the importance of homogenizing the material and the computation work at this phase,

recommends that the anticipated additional observations and the recomputations of reductions with improved methods be discussed and arranged jointly by the participating countries.

Resolution No. 4

The Nordic Geodetic Commission,

considering the importance of intensified Nordic cooperation,

recommends that the President of the Commission on an initiative from someone of the member countries arrange limited meetings of specialists from different countries as he considers necessary for performing internordic geodetic projects.

List of the papers presented

- T.J. Kukkamäki : Stellar triangulation.
J. Kakkuri : Calculations for the stellar triangulation.
F. Madsen : Nogle resultater fra reduktioner af optiske satellitobservationer.
I. Blankenburgh : Satellitobservationer i Oslo, Tromsø og Longyearbyen.
E. Tengström : Geodetic satellite photography at Upsala.
J. Kakkuri : Electronic device for optical tracking of the passive satellites.
A. Veriö : Struves triangelpunkter i dag.
O. Mathisen : Det nye 1. ordens nett i Nord-Norge.
I. Peterson : Den nya rikstrianguleringen i Sverige.

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- M. Martikainen : Statistisk kvalitetskontroll av vinkelobservationer.
I. Ussisoo : RAK:s utjämningsprogram.
I. Ussisoo : Statistical investigation of triangulation networks.
I. Ussisoo : Beräkning av landhöjningen i Sverige.
S. Johansson : Problemställningar kring bestämning av landhöjningen i Sverige.
K. Poder : Om overgang fra utjaevningsprogrammer til geodaetisk data-behandling.
T. Krarup : Dynamisk geodesi.
P. Thomsen : Om EDM:s indflytelse på strategi og taktik ved geodaetiske markarbejder.
O. Remmer : Statistiske problemer i forbindelse med Mindste kvadraters Metode.
P. Gleinsvik : Testing av metoder innen måleteknikken ved simulering.
R.A. Hirvonen : The use of subroutines in geodetic computations.
O. Engen : Reduksjon av tellurometermålinger i NGO.
T. Parm : Tellurometer measurements on the Niinisalo 22.2 km baseline.
K. Öhlin : Erfarenheter av geodimeter- och distomatmätning i Lunds detaljstomnät.
K. Öhlin : Noggrannheten vid geodimeter- och distomatmätning.
I. Brook : Experiences with high precision Laser distance measuring equipment.
P. Heikkilä – J. Ollaranta : Provfälter i Jämijärvi.
M. Jaakkola : Tellurometer MA 100 measurements at Jämijärvi Test Field.
T. Honkasalo : Användning av tyngdkraftsmätningar vid utforskande av landhöjningen in Fennoskandien.
I. Blankenburgh : Noen forelopige resultater fra astro-geo prosjektet Spitsbergen (68–70).
B. Harsson : Det nye norske gravimetriske nett.
E. Tengström : Report on the continuation of the s.c. "gravimetrical testwork" in the Italian Westalps.
J. Korhonen : Om beräkning av geoidhöjder med tillhjälp av lodawikelserna.
C. Tscherning : Geoidebestemmelse ved collocation.
J. Danielsson : Geoideundersökleser i Norge.