

**Minutes of CNC/IUGG Meeting held on Wednesday, 5 July 1995, during
the XXI General Assembly of the International Union of Geodesy and
Geophysics, Boulder, CO.**

Dillon Room, Holiday Inn, Boulder, CO

8:00 a.m. — 10:30 a.m. MDT

Attendees: R.B. Langley (Chairman, IUGG and IAG Chief Delegate),
C.J. Hickson (IAVCEI Delegate)
P.W. Basham (IASPEI Delegate)
H.G. Jones (IAHS Delegate)
P.A. Taylor (IAMAS Delegate)
R.E. Horita (IAGA)
A.G. Jones (IAGA Delegate)
R.D. Hyndman (IAVCEI, CGU President)

1. Chairman's welcoming remarks and introductions

The chairman welcomed all the members present which included all of the delegates with the exception of the IAPSO delegate who was absent due to the fact that IAPSO chose to meet in Hawaii, on its own, rather than with its sister societies at the IUGG GA in Boulder. The chairman invited the members to breakfast courtesy of the University of New Brunswick.

2. Approval of the agenda

The distributed agenda was approved.

3. Approval of the minutes of the 20th meeting

The minutes of the 20th meeting of the CNC/IUGG (at NRC, Ottawa, 13 November 1992) were accepted.

4. CNC/IUGG status and renewal (I)

The chairman briefly reviewed the history of finding a new home for the CNC/IUGG following NRC's request that learned societies take over the responsibilities for managing the Canadian National Committees for all international organisations.

A discussion ensued on the future membership of the CNC/IUGG. In a letter dated 24 October 1994, the then president of CGU, Garry Clarke, had suggested that those members who, in July 1995, have served two years of their four-year term be invited to remain on the CNC/IUGG and complete their four years and that those who, in July 1995, have served their four years be replaced or invited to remain for a second term. The term of appointment of members was discussed and there was consensus that in order to become familiar with the workings of IUGG and hence to be more effective at IUGG GAs (especially since the appointments of European delegates seem to be for multiple quadrennia), that members be appointed for four years with a renewal of appointment for an additional four years pending approval by the CNC and the Canadian nominating

society. New appointments would be made within 12 months of the end of an IUGG GA and there would be four year overlaps of the periods of appointment of the two members for each IUGG association.

Under this scheme, the terms of appointment of the following members would come to an end with the closing of the Boulder GA:

R.B. Langley	IAG
A.G. Jones	IAGA
I. Zawadski	IAMAS
B. Goodison	IAHS
R.D. Hyndman	IAVCEI
P.W. Basham	IASPEI

Since there has been only one IAPSO representative for the past few years, Y. Gratton, he will be asked to serve an additional four years, if he is willing.

The following members will be asked to serve an additional four years, with their appointments terminating at the closing of the 1999 IUGG GA:

M.G. Sideris	IAG
R.E. Horita	IAGA
P.A. Taylor	IAMAS
H.G. Jones	IAHS
C.J. Hickson	IAVCEI
C.J. Thomson	IASPEI

The various Canadian societies will be asked to appoint new committee members within 12 months of the closing of the Boulder GA (i.e. by July 1996) according to the schema outlined in Garry Clarke's letter to Andrée Bichon dated 16 June 1994:

IAG:	CGU or CIG (whoever appointed Langley)
IAGA:	CGU or CAP DASP (whoever appointed Jones)
IAMAS:	CMOS has already appointed R.E. Stewart
IAPSO:	CMOS has already appointed M.G.G. Foreman
IAHS:	CGU Hydrology Section following consultation with CMOS, CWRS, and GAC
IAVCEI:	CGU
IASPEI:	CGU

It was suggested by the members present that the chair of the CNC/IUGG also normally serve for 8 years (with two stints as chief delegate) with the term of appointment ending with the closing of an IUGG GA. To get the committee on track with this arrangement, it was suggested that the current chairman serve for an additional four years, until the end of the 1999 IUGG GA. Roy Hyndman thought that this proposal would be acceptable to the CGU. It will be necessary to check with Jacques Derome and CMOS to see if this arrangement is acceptable to them. They had already selected R.E. Stewart as "chairman designate" to replace R.B. Langley in two years from now. It should be noted that the current chairman would be happy to accept either the 2 or 4 year renewal of his appointment as chairman.

The resignation of Don McDiarmid as secretary of the CNC/IUGG has been received. The committee accepted the resignation, with regret, and thanks Don for his service to the committee over the years. There was discussion on whether the committee, under the new

arrangements, needs to have a secretary. It was felt that such a position is useful as a long-standing secretary can provide the "corporate memory" of the committee. The chairman was requested to ask NRC if they would be willing to provide a secretary and to pay his or her travel to the IUGG GAs. As a fallback position, the committee thought it useful to have an NRC liaison person appointed to the committee. Also, to help retain the corporate memory of the committee, the members felt that there should be an official CNC/IUGG position of "past chairman."

To reflect the above changes and others which have transpired as a result of the CNC/IUGG becoming a committee of CGU, the *Draft Terms of Reference of the CNC/IUGG* (see Appendix 1 of the *Summary Proceedings of the Twentieth Meeting of the Canadian National Committee for the International Union of Geodesy and Geophysics*) should be amended.

5. CANSEDI

The CNC/IUGG has received the resignation of David Crossley as chair of the CANSEDI Committee. The CNC/IUGG accepted the resignation, with regret, and wished David success with his future endeavours. The chairman informed the members that Jim Merriam has agreed to be acting chairman for the next few months until the CANSEDI Committee can choose a new chair. The CNC/IUGG members felt that there is probably no need for the CANSEDI Committee to be attached to the CNC/IUGG and that perhaps it could simply be a committee of CGU (as the CNC is).

6. Quadrennial Report

The chairman distributed copies of the quadrennial report of the CNC/IUGG, *Geodesy and Geophysics in Canada: 1991 — 1995*. The chairman thanked all those who compiled the sections of the report which was put together in a rather *ad hoc* manner with essentially no editing or reformatting of the received contributions due to the limited amount of time and resources available. Only a few tens of copies of the printed versions of the report (the full report and an abridged version with the publication lists omitted) were produced. The primary means of distribution of the report is intended to be electronic. A PostScript version of the full report is available from a gopher server at the University of New Brunswick. A two-sided, single page document introducing the report and describing how it may be obtained had been produced and was made available to CNC/IUGG delegates for distribution to the members of their respective international associations. The members thanked UNB for underwriting the cost of producing the report.

It was suggested that future quadrennial reports also be distributed chiefly by electronic means but that a limited number of professionally-looking printed versions be produced for presentation to government and non-governmental organisations for funding and other purposes. It was further suggested that well before the next IUGG GA, a small budget be drawn up for the production of the report (for secretarial and printing costs) and that NRC, CGU, and CMOS be approached for contributions, possibly on an equal footing.

7. Union (Chief Delegate) Report

The chairman reported that he had attended the first of the three IUGG Council meetings on Sunday, 2 July. In addition to some minor changes to the statutes and bylaws of the IUGG, Council voted on two motions concerned with reducing the size of the IUGG

Executive Committee from 15 voting members to 13 in order to give a greater say to the seven associations as represented by their respective presidents. The first motion was to remove the voting right of the past-president. This motion was accepted (19 in favour, 6 against, 0 abstentions; Canada voted in favour). The second motion was to reduce the number of elected additional Bureau members from 3 to 2. This motion was defeated (11 in favour, 14 against, 0 abstentions; Canada voted in favour). There were also motions on changing the by-laws to require the member associations to hold scientific meetings at the GA to preclude future IAPSO-type problems (24 in favour, 1 against, 0 abstentions; Canada voted in favour) and on changing the by-laws to make the election procedure slightly more democratic (21 in favour, 1 against, 1 abstention; Canada voted in favour).

The chairman also reported that a number of new countries were accepted as members of IUGG including Taiwan which was accepted as a result of a change to the statutes which allows, under extraordinary circumstances, a second adhering body for a country. The application of the Academy of Sciences located in Taipei was accepted unanimously as a second adhering body for China with the full support of the Beijing adhering body. The issue of the membership of Yugoslavia (Serbia and Montenegro) was deferred to a later meeting.

A resolutions committee was established and the list of all nominees for the Bureau and the Finance Committee was read out. The list of those nominees recommended by the Nominating Committee were to be distributed on 4 July.

The last items discussed in the first meeting of the Council were the invitation by the United Kingdom to host the next GA and the organisation of future GAs. Further discussion on both of these items was deferred until the next meeting of Council.

A fuller description of the meeting can be found in the official minutes.

8. Association and National Correspondent (Delegate) Reports — prior to association business meetings

IAVCEI: Cathy Hickson reported that IAVCEI has decided to institute individual paying memberships in the association in order to have direct contact with individual scientists and also to increase revenues to allow it to carry out additional programs. In the future, there will be yearly scientific meetings.

IASPEI: Peter Basham reported that the next scientific meeting of the association will be in Greece. He also reported on a meeting concerning the establishment of geophysical instrument networks that would consist of sites at which a number of different kinds of instruments (geomagnetic, geodetic, seismic, etc.) would be located. The use of shared facilities would, among other things, reduce operational costs. All data from such networks would be freely available to the scientific community.

IAHS: Gerry Jones commented on the difficulty the IAHS has in getting to individual scientists. He briefly mentioned the concept of an International Union of the Fluid Earth.

IAMAS: Peter Taylor reported that the WMO has signed an agreement for the exchange of meteorological and climatic data and that an agreement on the exchange of hydrological data will be looked at next.

IAGA: Alan Jones reported that the next meeting of IAGA will be in Upsalla, Sweden, in two-years time. One over-riding concern is the cost of beer (\$8 a pint!). Bob Horita

commented briefly on the plan to move the NRC Space Physics group from Ottawa. The original plan to move the group to the University of Victoria has fallen through. A possible move to the University of Calgary is still being discussed. The issue of the fate of Canadian geomagnetic observatories was raised. With a large land mass and a small population, Canada is at a financial disadvantage compared to some other countries in trying to maintain an extended network of geomagnetic observatories. It was suggested that perhaps there should be international support for the global observatory network.

IAG: Inadvertently, no report was given.

9. Next post-IUGG GA meeting of CNC/IUGG

It was suggested that if the next annual meeting of CMOS is to be held in eastern Canada, that the CNC/IUGG should meet on that occasion.

10. Other business

None.

11. Adjournment

The meeting was adjourned at 10:30 a.m.

Minutes submitted by R.B. Langley