# 24<sup>th</sup> CODATA General Assembly 10-11 November 2004 Hotel Steglitz, Berlin, Germany

# Report of the Canadian Delegate, Dr. G. H. Wood

## 1. Participants

A complete list of the 37 participants is attached (Appendix A). Altogether there were 23 voting Delegates present, including some with proxy votes, representing National Members, Union Members and Co-opted Organizations.

# 2. Open Session – An innovation

As a departure from past practice and as an effort to strengthen ties with related organizations and demonstrate transparency, the first morning session was open to the public. The first part of the session featured talks by those involved in the: ICSU Priority Area Assessment on Data and Information; the ICST/CODATA Science Portal, INASP (International Network for the Availability of Scientific Publications) program; Electronic Geophysical Year. The second part of the session consisted of presentations from those championing the renewal of Task Groups or the approval of new ones.

#### 3. Financial Matters

The Accounts for 2002 and 2003, which were approved following the Treasurer's presentation, showed CODATA to be in reasonable financial health. It was encouraging to note that, for 2003, the income from grants (183k\$ US) was comparable to that derived from national member dues (202 k\$ US) indicating a trend to CODATA becoming less dependent on dues in order to carry out its program. With respect to dues, a number of countries are in arrears, a matter which was addressed more fully later in the agenda (Member Issues). Canada, one is proud to remark, is exemplary in the promptness with which we pay our dues.

Some dissatisfaction was expressed with the manner in which gains or losses resulting from foreign exchange fluctuations were dealt with in the Treasurer's reports. It was recommended that this be remedied in the future and that the reports be generally made more comprehensive.

The proposed budgets for 2005 and 2006 were approved as presented. Based on the principle adopted in recent General Assemblies, it was agreed that any increase in the National Member dues would be in accord with the measure of inflation used by the OECD for the two previous years. On that basis, it is anticipated that the increase in dues for 2005 and 2006 will be 1.6% and 2% respectively.

# 4. Election of Officers and Ordinary Members of Executive Committee

A copy of the election results is attached as Appendix B. It may be noted that Canada continues to have one position on the new Executive Committee in Michel Sabourin. The election for Treasurer was very close with the incumbent being elected over the Canadian nominee (GHW). Nominees for Ordinary Members were acclaimed as their number equalled the number of vacancies.

The Nominating Committee for 2002-2006 will be chaired by J. Rumble, as Past-President, with the other members being Prof. Xu (China), Prof. Tsugita (Japan) and Prof. Dubois (France).

#### 5. Member Issues

#### France

As a result of the matter being raised at the previous General Assembly, a subcommittee of the Executive Committee (G. Wood being one of them) had been charged with bringing a recommendation to this General Assembly re the matter of France being seriously behind in its dues. The situation had become complex because, in the interim, France had paid the equivalent of one year's back dues and were effectively asking that the rest of the dues in arrears be forgiven. The recommendation of the committee was that:

- The payment of one year's dues by French CODATA is a positive step and that payment may be considered as the dues for the year 1998;
- A plan for clearing the past arrears may be worked out the Executive Board, in consultation with French CODATA, during the period between this General Assembly and December 2005.

The General Assembly accepted the recommendation.

# Australia

R. Norris, Delegate for the IAU, and other colleagues in Australia, are working on reviving the Australian Committee for CODATA and re-joining CODATA.

# **United Kingdom**

The Executive Director has been talking to the UK Curation Centre which has expressed interest in becoming the adhering agency for the UK.

# Germany

The German National Committee for CODATA did not disband but they lack the funds to pay the National dues. They expect to apply for Associate Member status in 2005 while they continue to seek funding for regular membership.

#### Indonesia and Nigeria

I proposed, and the General Assembly adopted, a motion formally recognizing that their dues are in arrears and the Delegates be encouraged to resolve the matter before the end of 2005.

## 6. Constitutional Amendments

As required by the Constitution, the suggested changes had been duly circulated in advance to the Delegates in the document attached as Appendix C. Essentially editorial in nature, Resolutions 1, 2 and 3 were adopted as distributed. The final proposed change, brought forward from the previous General Assembly, was considerably more controversial but was adopted as shown.

# 7. Report on the 19<sup>th</sup> International Conference

No written report was distributed but it was reported that some 260 people had participated, representing 36 countries. It was gratifying to observe that 12 participants were from Canada, one of the highest totals for a CODATA conference outside of North America in memory.

Canada received much favourable publicity over the Sangster Award with time being given during the Opening Ceremonies to explain the award and give it publicly to Jau-Hsuing Wang. It was especially gratifying that the interest generated by our efforts was so great that the General Assembly adopted a resolution encouraging the National Members of CODATA to establish similar programs for young scientists (less than 35 years old) in their jurisdictions.

# 8. Approval of Task Groups for 2004-2006

As usual, considerable time was given to this important process whereby CODATA plans and approves its scientific program for the next biennium. Each proposal for renewal or for initial approval was presented by its champion along with reports of the referees. Of the 15 proposals, the 10 Task Groups approved by secret ballot were: *Continuing* 

- Access to Biological Collection Data
- Data, Information and Visualization
- Virtual Laboratories in Earth, Physics and Environmental Sciences
- Data on Natural Gas Hydrates
- Data Sources in Asian-Oceanic Countries
- Fundamental Constants
- Global Species Data Network
- Preservation and Archiving of Scientific and Technical Data

## New

- Anthropometric Data and Engineering
- Low Dimensional Materials and Technologies Network

This transparent process, wherein CODATA's Task Groups are accountable to the General Assembly, helps make room for new areas to be explored and prevents existing efforts from continuing past their productive time.

# 9. National, Union and Co-opted Members Reports

The full agenda provided no opportunity for each Delegate to highlight their report or to cite new information, all the reports being taken as read with no discussion. The report from Canada is attached as Appendix D.

#### 10. Future CODATA Conferences

A formal invitation from the People's Republic of China (Beijing) for 2006 was approved. Invitations have been received from the Ukraine (Kiev) and South Africa for 2008 and 2010 respectively.

#### 11. Publications

Two monographs were published since the last General Assembly.

- Thermodynamic Data Models and Phase Diagrams in Multicomponent Oxide Systems, O. Fabrichnaya, S. K. Saxena, P. Richet and E. F. Westrum, Springer, 2003:
- Non-linear Analysis and Control of Physical Processes and Fields, M. Z. Zgurovsky, V. S. Mel'nik, Springer, 2003

It was interesting to note, as well, that 12 articles had been published by CODATA and/or about CODATA in external publications. This is a good trend, helping to address a long-standing problem of CODATA's relatively low profile on the international science scene.

The first issue of the electronic CODATA *Data Science Journal* was launched in April 2002. Containing papers about data and databases, but not publishing the data themselves, the Journal covers all the disciplines addressed by CODATA. Details on the journal and the 48 papers (643 pages) published to date may be found at: <a href="http://www.datasciencejournal.org/">http://www.datasciencejournal.org/</a>. In accordance with well know international scientific journals, all papers are refereed by at least two referees. The current acceptance rate is about 58%. There are no subscription fees; Journal costs are paid from the CODATA budget.

A report from the committee charged with reviewing the Data Science Journal made several recommendations:

- It continue to be published at Queens University (Ireland) for at least one more year;
- An ad hoc committee be appointed to work with the Editor-in-Chief to develop a strategic plan to increase the impact and deliverables of the Journal and to explore alternative funding and publishing models;
- Task Groups, National Members and all organizations affiliated with CODATA be encouraged to submit articles to the Journal;
- The Editor-in-Chief take steps to have the Journal indexed by relevant organizations.

The Newsletter will continue to be published electronically.

# 12. CODATA's Interactions with ICSU

WSIS

CODATA has been heavily involved with ICSU in relation to WSIS. CODATA, in partnership with UNESCO and the US National Academies of Science organized the *International Symposium on Open Access and the Public Domain in Digital Data and Information for Science* in March 2003. The majority of the recommendations coming out of that symposium, the so-called *Agenda for Action*, were also incorporated into the formal WSIS Summit Plan of Action held in Geneva in December 2003. At the Geneva Summit itself, CODATA with ICSU were partners for two events:

- A major scientific conference on the Role of Science in the Information Society, held at CERN immediately prior to the Summit;
- The presidents of ICSU and CODATA, along with several ministers from developing countries, participated in a half-day 'high-level' round table Science, Information Society and the Millennium Goals organized by UNESCO during the second day of the Summit.

It was gratifying to note that the result of all these efforts was that science was clearly recognized as a key component of the Information Society in the formal Summit Declaration, a major achievement given the state of the perception of the role of science in the organizer's plans a year earlier.

Data and Information Priority Area and Assessment (PAA) Committee ICSU convened this Panel in early 2004 to assess how the scientific community currently manages data and information and to propose the means to address any shortcomings found. CODATA had input to the Panel and also had the opportunity to respond to the Panel's findings which were quite favourable to CODATA. CODATA's formal response has addressed the Panel's concerns and identified areas where ICSU and CODATA may profitably cooperate in the future. As noted earlier in this report, having the Chair of the PAA speak to the General Assembly about their report was a good strategic move, serving to strengthen CODATA's relationship to ICSU.

## ICSU Grants Program

It was reported that CODATA has again received a 100k\$ grant, this time for a project titled *E-Science and the Information Society, the road to Tunis*. Given that CODATA had received a large grant in the 2003 cycle, this is tangible evidence of the confidence that ICSU has in CODATA.

Respectfully submitted Gordon Wood

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# Appendix A

# 24<sup>th</sup> CODATA GENERAL ASSEMBLY 11-12 November 2004 – Hotel Steglitz, Berlin, Germany

# **Participants**

Last Name	First Name	Email	Delegate	Proxy
Balslev	Henrik	henrik.balslev@biology.au.dk	IUBS	·
Canhos	Vanderlei Perez	vcanhos@crea.org.br	Brazil	
Carroll	Bonnie	bcarroll@iiaweb.com	US	Czech Republic
Cass	Kathleen	CODATA@dial.oleane.com	Executive Director	•
Chen	Robert	bchen@ciesin.columbia.edu	Observer (US)	
Dardjat	Rukasih	rukasih@lipi.go.in	Indonesia	
Davies	Tony	tony.davies@waters.com	IUPAC	
Dubois	Jacques-Octave	dubois@ipgp.jussieu.fr	France	
Eliashvili	Merab	simi@rmi.acnet.ge	Georgia	
Esanu	Julie	jesanu@nas.edu	Observer (US)	
Garnier	Jean	jgarnier@jouy.inra.fr	IUPAB	
GUO	Huadong	hdguo@cashq.ac.cn	Observer (China)	
Gvishiani	Alexi	gvi@wdcb.ru	Officer – VP	Ukraine / WDC
Jhon	Mu-Shik		Observer (Korea)	
Kremers	Kremers	Kremers_kremers@compuserv.com	Observer (Germany)	
Kulikowski	J.	jlkulik@ibib.waw.pl	Poland	
Kuznetsov	Kuznetsov A	fk@che.nsk.su	Russia	
Lal	Krishan	klal@mail.nplindia.ernet.in	India / IUPAP	
Levey	Cheryl	cheryl@CODATAweb.org	Observer (US)	
Maepa	Eddy	eddy@nrf.ac.za	Observer (South Africa)	
Makhubela	Lulama	<u>LulamaM@nda.org.za</u>	Observer (South Africa)	
McMahon	Brian	bm@iucr.org	IUCr	
Mezey	Paul	pmezey@mun.ca	Officer - Sec Gen	
Momodu	Kingsley Oise	komomodu@yahoo.co.uk	Nigeria	
Nagashima	Akira	nagasima@sd.keio.ac.jp	Japan	
Norris	Ray	Ray.Norris@csiro.au	IAU	
Nowakowski	Antoni	antowak@eti.pg.gda.pl	Poland	
Park	Hyung-Seon	seonpark@kisti.re.kr	Korea	
Rossouw	Steve	steveros@iafrica.com	South Africa	
Royer	Jean-Jacques	royer@ensg.inpl-nancy.fr	Officer – Treasurer	
Sabourin	Michel	Michel.Sabourin@umontreal.ca	IUPsyS	
SHAO	Kwang-Tsao		Observer (Academy Taipei)	
SU	Jong-Ching		Academy Taipei	
Wood	Gordon	gordon.wood@nre-enre.ge.en	Canada	IUG
XU	Zhihong	zhihongxu@CODATA.cn	China	
YAN	Baoping	ybp@cnic.ac.cn	Observer (China)	
YANG	Shang-Shyng	ssyang@ntu.edu.tw	Observer (Academy Taipei)	

# Appendix B

# CODATA Officers and Ordinary Members elected by the General Assembly

## **CODATA Officers**

President: Iwata, Shuichi (Japan) (2002-2006)
Vice-Presidents: Gvishiani, Alexei (Russia) (2002-2006)
Krishan Lal, (India) (2004-2008)
Secretary General: Robert Chen, (USA) (2004-2008)
Treasurer: Royer, Jean-Jacques (France) (2004-2008)

# **Ordinary members of the Executive Committee (2004-2006)**

1 BERMAN, Helen USA

2 GARNIER, Jean IUPAB

3 GUO, Huadong China (Chinese Acadamy of Sciences)

4. KUNISAWA, Takashi Japan

5. KUZNETSOV, Fedor Russia

6. NOWAKOWSI, Antoni Poland

7. SABOURIN, Michel Canada

8. ZGUROVSKY, Mikhail Ukraine

## Appendix C

#### Constitutional Amendments

The following constitutional amendments, as outlined in red, were approved:

# For consideration by Delegates at the 24<sup>th</sup> CODATA General Assembly 11-12 November 2004, Berlin

#### Resolution 1 – Statute 7.1

WHEREAS the second bullet is now redundant in light of the first bullet

BE IT RESOLVED that Statute 7.1 which currently reads:

- 7.1 CODATA shall elect a President, one or two Vice-Presidents, a Secretary General and a Treasurer. Officers must normally be selected from:
  - past or present Delegates or Members of the Executive Committee,
  - past or present Members of the Executive Committee,
  - those who have been active within the last three years in an executive capacity in CODATA Task Groups, Commissions, or Working Groups; or
  - those who have been active within the last three years in their CODATA national committee.
  - In exceptional circumstances, the Executive Committee may, by resolution, nominate an outstanding candidate whose background in CODATA does not meet the above criteria.

be amended to read:

- 7.1 CODATA shall elect a President, one or two Vice-Presidents, a Secretary General and a Treasurer. Officers must normally be selected from:
  - past or present Delegates or Members of the Executive Committee,
  - past or present Members of the Executive Committee, (remove)
  - those who have been active within the last three years in an executive capacity in CODATA Task Groups, Commissions, or Working Groups; or
  - those who have been active within the last three years in their CODATA national committee.
  - In exceptional circumstances, the Executive Committee may, by resolution, nominate an outstanding candidate whose background in CODATA does not meet the above criteria.

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## **Resolution 2 – Statute 5 (and elsewhere)**

WHEREAS as CODATA no longer appoints or elects "Commissions"

BE IT RESOLVED that the Constitution and By-Laws be amended to remove reference to "Commissions".

## Resolution 3– Statute 3. 1 (d)

WHEREAS as for consistency and uniformity with all three types of membership

BE IT RESOLVED that Statute 3.1 (d) which currently reads:

Associate National Member. An Associate National Member shall be a scientific academy, research council, scientific institution or association of such institutions, which has activities in scientific data evaluation and compilation. Institutions effectively representing the range of such activities in a definite territory may be accepted as Associate National Members, provided they can be listed under a name that will avoid any misunderstanding about the territory represented. Associate National Members shall have all rights of National Members subject to the following:

- They do not have the right to approve Task Groups
- > They do not have the right to vote in elections for Officers or Ordinary Members of the Executive Committee
- > They do not have the right to vote on financial issues.

The Associate National Member category is designed to encourage countries with limited resources to join and participate in CODATA on terms appropriate to their economic status. Dues to be paid by an Associate National Member shall be set at one-fifth of the lowest category of National Member dues as approved by the General Assembly.

Failure to pay these dues by more than two years following December 31 of the year in which the dues become payable will render the Associate National Member liable to suspension of its right to vote and to other privileges of membership, if so decided by the General Assembly. Applicants for Associate National Membership must be approved by the General Assembly and must pay their first year's dues before receiving voting rights and other privileges of membership. Each Associate National Member is expected to establish an appropriate committee for maintaining liaison with CODATA. Associate members shall normally be expected to apply for full membership after 6 years in this category.

## Be amended to read:

Associate National Member. An Associate National Member shall be a scientific academy, research council, scientific institution or association of such institutions, which has activities in scientific data evaluation and compilation. Institutions effectively representing the range of such

activities in a definite territory may be accepted as Associate National Members, provided they can be listed under a name that will avoid any misunderstanding about the territory represented. Associate National Members shall have all rights of National Members subject to the following:

- ➤ They do not have the right to approve Task Groups
- > They do not have the right to vote in elections for Officers or Ordinary Members of the Executive Committee
- > They do not have the right to vote on financial issues.

The Associate National Member category is designed to encourage countries with limited resources to join and participate in CODATA on terms appropriate to their economic status. Dues to be paid by an Associate National Member shall be set at one-fifth of the lowest category of National Member dues as approved by the General Assembly.

Failure to pay these dues by more than two years following December 31 of the year in which the dues become payable will render the Associate National Member liable to suspension of its right to vote and to other privileges of membership, if so decided by the General Assembly. Such Associate National Members may regain their voting rights and privileges by paying dues in arrears as assessed by the General Assembly. Applicants for Associate National Membership must be approved by the General Assembly and must pay their first year's dues before receiving voting rights and other privileges of membership. Each Associate National Member is expected to establish an appropriate committee for maintaining liaison with CODATA. Associate members shall normally be expected to apply for full membership after 6 years in this category.

## The following should also be noted by Delegates:

The addition of Statute 3.5 (see below) was proposed to the 23rd CODATA General Assembly in Montreal. It was decided then that this should be brought before the Executive Committee for further study and review. CODATA has now appointed a special committee to discuss this issue and to report back to the Executive Committee on possible recommendations that should be made to the General Assembly in Berlin in November. This will be considered again in Berlin and the recommendations of the committee concerning the same will be circulated to all Delegates prior to the General Assembly for your consideration.

3.5 To promote the fiscal responsibility of CODATA, a Member shall pay their assigned dues promptly and in the year assigned. At each General Assembly, the Treasurer shall present a list of all Members in payment arrears, which is defined as non-payment for two calendar years. The list shall include all Members who will be in arrears for non-payment of two years if they do not complete payment between the time of the General Assembly and the end of the present calendar year. Upon review of the list, the Secretary General will notify the country of its suspension and the country may appeal to the General Assembly. If appealed, the General Assembly shall propose one of three actions: 1) confirm immediate suspension; 2) confirm suspension on the first day of the next calendar year if no payment is received by that date; 3) confirm suspension

as of June 30<sup>th</sup> of the next calendar year if no payment is received by that date. Suspension shall include loss of voting privileges and forfeit of all positions as Officers and Ordinary Members of the Executive Committee. The General Assembly may waive these suspension options only upon majority vote of all Members eligible to vote for Officers.

The motion was brought back to the floor and adopted with wording changes as follows:

3.5 To promote the fiscal responsibility of CODATA, a Member shall pay their assigned dues promptly and in the year assigned. At each General Assembly, the Treasurer shall present a list of all Members in payment arrears, which is defined as non-payment for two calendar years. The list shall include all Members who will be in arrears for non-payment of two years if they do not complete payment between the time of the General Assembly and the end of the present calendar year. Upon review of the list, the Secretary General will notify the Member that their category of membership will be changed to Associate Member and the Member may appeal to the General Assembly. If appealed, the General Assembly shall propose one of three options: 1) confirm immediate change in the category of Membership to Associate Membership; 2) confirm change in the category of Membership to Associate Membership on the first day of the next calendar year if no payment is received by that date; 3) confirm change in the category of Membership to Associate Membership as of June 30<sup>th</sup> of the next calendar year if no payment is received by that date. The General Assembly may waive these options only upon majority vote of all Members eligible to vote for Officers.

# Appendix D

# 24th CODATA General Assembly, 11-12 November 2004, Berlin

# National Member Report - Canada

# 1. Activities of the Canadian National Committee for CODATA (CNC/CODATA)

## National Consultation on Access to Scientific Research Data

As part of a growing international concern over access to publicly funded scientific research data, CNC/CODATA in collaboration with the ICSU desk of the NRC International Relations Office organized a Seminar on *Access to Publicly Funded Scientific Data* at the National Research Council of Canada (NRC) on 26 May 2003. Senior executives of Canada's premier science agencies gave keynote speeches. Some fifty-five scientists, representing a broad spectrum of disciplines, participated in the open forum discussion which followed. The objective of the seminar was to explore the status of Canadian efforts in ensuring accessibility of publicly funded natural sciences research data and, if a deficiency were determined, to develop actionable plans to address that deficiency. A deficiency was indeed found and the seminar recommended that a study be done to examine the issue from the perspectives of the Canadian natural science, technical and medical communities. The report on the seminar may be found at:

http://www.codata.org/canada/report20030526.shtml.

In response to the recommendation of the seminar, CNC/CODATA and the National Research Council of Canada have led the organizing of a National Consultation on Access to Scientific Research Data (NCASRD) to be held 22-23 November 2004 in Ottawa. Partnerships have been arranged with the three major funding agencies in the natural and medical sciences to finance the venture and a blue-ribbon Task Force met in June 2004 to give oversight. The main work of the Consultation will be conducted at a national Forum consisting of about fifty invited scientists. The Forum will be opened by the Science Advisor to the Prime Minister and it is expected that the Presidents of the partner agencies will be present as well. The formal objective of the NCASRD is to help Canada maximize the value received from its publicly funded natural and medical sciences research by recommending an appropriate framework, including guidelines, which will facilitate open and long-term access to data coming from that research. The recipients of the framework and guidelines will be the partnering agencies and appropriate government departments. Information about NCASRD is available at: <a href="http://ncasrd-cnadrs.scitech.gc.ca/home\_e.shtml">http://ncasrd-cnadrs.scitech.gc.ca/home\_e.shtml</a>.

# Sangster Award

CNC/CODATA instituted this award as a means of stimulating interest in young Canadian scientists in data activities. The award is funded by Dr. James Sangster of Sangster Research Laboratories, who has been a long time member and supporter of CODATA at both national and international levels. It is targeted at graduate students whose field of study supports the goals and activities of CODATA. Applications for the award were received from graduate students attending universities across Canada and the responses indicated that data activities within

Canada are in very healthy shape for the future. The award, up to a maximum of CAN \$3000, covers costs associated with the winner attending the next CODATA Conference and presenting a paper. A winner has been selected and is scheduled to give his paper at the 19<sup>th</sup> CODATA Conference. More details concerning the Award may be found at: <a href="http://www.codata.org/canada/sangster/sangster\_e.shtml">http://www.codata.org/canada/sangster/sangster\_e.shtml</a>

# Annual Meetings

CNC/CODATA continued its practice of annual meetings with one in November 2003 and the next in October 2004. Both were held in Ottawa, the capital of Canada. As a means of extending CNC/CODATA's reach into the Canadian community, these annual meetings are also open to representatives from the national Committees of ICSU related organizations to which Canada is affiliated. This has proven to be an effective means of communication

# 2. World Summit on the Information Society (WSIS)

Detailed comments on the draft recommendations from the scientific perspective were given to the Canadian WSIS representatives. In particular the Delegate was briefed on the community's concerns.

In addition the Canadian WSIS representatives are being kept informed about the NCASRD and were invited to participate.

#### 3. Publications

One of the chief products of the Committee is the preparation and production of its biannual *Report on Data Activities in Canada*. A snapshot, rather than an exhaustive survey, of data-related activities, the report has been put into database form thereby greatly facilitating updating and production. It is distributed in hard copy to the CODATA General Assembly as well as to all Canadian recipients of the CODATA Newsletter. The report for 2004 will be posted, along with previous reports, on the CNC/CODATA web site at (http://www.codata.org/canada/).

The CODATA Newsletter continued to be sent by the Committee to some 350 addresses in Canada. Furthermore, the Committee maintained a general web site which contains not only items of Canadian interest but links to the main CODATA site.

Canada continued to host the main CODATA web site as it has done since the site's inception. It may be seen at http://www.codata.org.

## 4. Organization

CNC/CODATA is sponsored by the Canada Institute for Scientific and Technical Information (CISTI), part of NRC. Sponsorship includes the provision of a small secretariat, including the part time services of an Executive Secretary and Secretary, costs for the annual meetings, postage charges for the Newsletter and hosting of the web site. Dues for Canadian membership in CODATA are paid by the International Relations directorate of NRC's Corporate Services.

The Committee's mandated six regular members are selected from the Canadian scientific and technical community to represent as broadly as possible the disciplines served by CODATA as well the geographic expanse and linguistic diversity of our country. Travel and subsistence expenses to the annual meeting are provided by CISTI to regular members from the non-profit sector. In addition, the Committee is fortunate to be able to expand its influence and input by drawing upon a number of observers. (Appendix A is a listing of the current roster of regular members and observers.) The official Delegate to CODATA is usually, although not necessarily, the Chair of the Committee.

Liaison with CODATA's scientific program and activities is assisted by enlisting Canadian members of CODATA Task Groups, Commissions and Committees to take part in the annual meetings of CNC/CODATA. Current involvement in these groups is summarized in the following table:

Task Group/Commission/Committee	Representative	Participation level
Access to Biological Collection Data	Dr. Guy Baillargeon	Member
Data, Information and Visualization	Prof. P. Mezey	Member
Data on Natural Gas Hydrates	Dr. J. Ripmeester	Member
Fundamental Constants	Dr. B. H. Wood	Member
Preservation & Archiving of S&T Data	Dr. Fuhu Ren	Consultant
in Developing Countries		
Scientific Activity Advisory Board	Dr. G. H. Wood	Member
CODATA Executive Committee	Dr. G. H. Wood	Member

Respectfully submitted,

Dr. G. H. Wood Canadian Delegate to CODATA

# Appendix A

CNC/CODATA - Members and Observers – as of February 13, 2004					
MEMBERS	OBSERVERS				
Dr. Denise Clark Associate Professor Department of Biology University of New Brunswick Bag Service 45111 Fredericton NB E3B 6E1 Tel: 506-452-6193 E-mail: clarkd@unb.ca	Dr. Guy Baillargeon Agriculture and Agri-Food Canada c/o Maurice Lamontagne Institute 850 route de la Mer P.O. Box 1000 Mont-Joli QC G5H 3Z4 Tel: 418-775-0741 Fax: 418-775-0679 E-mail: baillarg@agr.gc.ca				
Dr. Hanna Dabkowska Research Scientist Brockhouse Institute for Materials Research McMaster University Hamilton ON L8S 4M1 Tel: 905-525-9140 (x12092) Fax: 905-521-2773 E-mail: dabkoh@mcmaster.ca	Mr. Paul Budkewitsch Environmental Scientist-Geology Natural Resources Canada Harsh Environment Applications Section 588 Booth Street, Room 355 Ottawa ON K1A 0Y7 Tel: (613) 947-1331 Fax: (613) 947-1385 E-mail: Paul.Budkewitsch@CCRS.NRCan.gc.ca				
Dr. Andrew W. Hakin Department of Chemistry 4401 University Drive Room E870 University of Lethbridge Lethbridge AB T1K 3M4 Tel: 403-329-2083 Fax: 403-329-2057 E-mail: hakin@uleth.ca	Dr. Fred Gault Director Science, Innovation and Electronic Information Division Statistics Canada RH Coats Building, Floor RHC 7A Holland Avenue and Scott Street Tunney's Pasture Ottawa ON K1A 0T6 Tel: 613-951-2198 Fax: 613-951-9920 E-mail: fred.gault@statcan.ca				
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