

INTERNATIONAL UNION OF GEOLOGICAL SCIENCES
47th EXECUTIVE COMMITTEE MEETING -
OUTGOING MEMBERS
AUGUST 8, 2000, 10:00 - 18:00
RIO DE JANEIRO, BRAZIL
"RIO CENTRO" CONGRESS CENTER

MINUTES

Robin Brett opened the meeting by welcoming the Committee members and observers. He reported that the members present at the meeting represented a quorum. The participants then introduced themselves briefly.

1. APPROVAL OF AGENDA

The Committee APPROVED the Agenda.

2. MINUTES OF THE 46th EXECUTIVE COMMITTEE MEETING HELD IN CAIRO, EGYPT, JANUARY 2000

2.a. Approval of Minutes

The Committee APPROVED and ADOPTED the minutes of the 46th Executive Committee meeting held in Cairo.

2.b. Actions arising from the Minutes

R. Brett read the list of actions resulting from the Cairo meeting and reported that all actions had been completed and that most of them would come up during the meeting.

3. ADMINISTRATIVE AFFAIRS

3.a. President's Report

Brett presented a brief oral report, stating that the last months had been extremely difficult because of disagreements in the Union on the election of new Executive Committee officers, but also because of the never-ending conflicts in the Commission on Stratigraphy.

Brett reported on the Strategic Plan, mentioning all the work spent on this, especially by J. Aaron, to prepare it for the Executive Committee for provisional approval before it is presented to the IUGS Council in a few days.

Brett finally spoke of *Episodes* and the Editorial Board that is now in place.

3.b. Vice Presidents' Report

The Vice Presidents reported on arrangement of symposia during the IGC, on contact with the National Committees and on the securing of funds for local IGCP committees.

F. Hervé, member of the Nominating Committee, commented on the meeting of the Committee and recommended that the Nominating Committee meetings should be more formal and that the members should sign the list of nominees for offices on the Executive Committee.

3.c. Secretary General's Report

A. Boriani referred to his written report to the Council, covering the activities of IUGS during the last four years. (*The report was distributed in May to all the Adhering Organizations and IUGS bodies.*) He further reported on two Bureau meetings after the Executive Committee meeting in Cairo in January, one in Paris in April and another in Rome in June. He spoke of new procedures in connection with the US funding that comes through ICSU to the IGCP.

Concerning the 2001 ICSU grants, Boriani reported that IUGS had submitted one application, "Crowding the Rim", for the grant in category I up to USD 100,000, and two applications for category II, up to USD 50,000. One, dealing with climate change was prepared by E. Derbyshire, and the other, for a meeting of the Geoindicator group in Africa, was prepared by Antony Berger. The IUGS application under category I was unsuccessful but USD 10,000 was granted to E. Derbyshire's project.

Boriani spoke further of some misunderstanding concerning funding of IUGS Commissions, stating that IUGS does not fund science nor travel to IGCs.

3.d. Treasurer's Report

Z. Johan (outgoing Treasurer) remarked that he was presenting his last financial report, a partial report concerning the Union's activities from the Cairo Executive Committee meeting in January this year to June. He reported that the financial situation was good and the Executive Committee will have the means for implementing the new policy. He pointed to the fact that the reserve account had increased during the previous six months, having more than one year's budget in the account. A reserve equal to one year's budget is necessary to make it possible to meet expenditures during the year. He emphasized the importance of having a clear proposal policy before starting to use any surplus money.

Johan spoke further about the problems with UNESCO, the uncertainty in the budgets, especially regarding the IGCP. This is making it difficult for the Project Leaders who are notified very late about allocations to the projects. IUGS has to prepay the projects, the amount in 1999 being about USD 100,000, and without the IUGS reserve account the IGCP would be placed in jeopardy. This will be a major issue for the new Executive Committee to discuss with UNESCO's Division of Earth Sciences and the administrative accounting office. Johan spoke further about the problems with the new Stratigraphic Chart, a co-operative enterprise between IUGS and UNESCO.

On the positive side, Johan remarked that IUGS had been successful in maintaining the balance between expenses and income, because many large contributors paid early this year, although there was a problem with some member countries that did not pay at all.

Recommendation to Council:

Because of some confusion created by Statutes concerning adhering organizations' inactive status and their right to vote at the Council meeting, the Executive Committee accepted an additional change to the Statutes to bring Article 23 into agreement with Article 14. A member should be inactive and unable to vote if it has not paid its dues for more than two years. The Bureau should notify those adhering organizations that become inactive.

Recommendation to Council:

The Committee accepted the recommendation that the following membership dues increase be adopted:

1. A unit increase for Adhering Organizations' by 5% for all categories in 2001 (unit price = USD420) and
8. A unit increase by 4.76% for all categories in 2002 (unit price = USD 440).
9. From 2003 the membership fees should follow the inflation rate based on the US Consumer Price Index (CPI).

The Committee THANKED and COMMENDED Z. Johan for his excellent handling of the Treasury during the last four years.

3.e. Approval of Election of Officers of Commissions

Boriani reviewed the list of nominations for officers of IUGS Commissions, which should be presented to the IUGS Council for ratification:

CIMP: Commission on Igneous and Metamorphic Petrogenesis
Chairman Dr. N. T. Arndt (France)

COGEOENVIRONMENT: Commission on Geological Sciences for Environmental Planning

The Commission will fill vacant positions at its meeting prior to the IGC.

COGEOINFO: Commission on the Management & Application of Geoscience Information
Chairman Dr. David Ovadia (UK)

Secretary Dr. James E. Biesecker (U.S.A)

Treasurer Dr. Max Fernandez (Belgium)

COMTEC: Commission on Tectonics
Chair Dr. Tom Blenkinsop (Zimbabwe)

CSP: Commission on Systematics in Petrology
The Commission will discuss the Chair position at its meeting prior to the IGC.

Chairman Prof. Jörg Keller (Germany), Not eligible,
but will serve for another year until a
new Chairman is elected.
Secretary General Dr. H. Müller-Sigmund (Germany)

GSGP: Commission on Global Sedimentary Geology
Chairman Dr. Aymon Baud (Switzerland)

ICS: International Commission on Stratigraphy
Chairman Prof. F. Gradstein (Norway)
Secretary General J. Ogg (U.S.A)

1st Vice-Chairman Dr. H. Richard Lane (USA)

2nd Vice-Chairman Dr. S. Finney (U.S.A.)

INHIGEO: International Commission on the History of
Geological Sciences

President Prof. Manuel Pinto (Portugal)
Secretary General Prof. David R. Oldroyd (Australia)

Vice Presidents Latin America: Dr. Pedro Goncales

N. America: Dr. U. Marvin
Asia: Prof. Kanenor Suwa
Europe: Nicoletta Morello

In connection with this item, Boriani remarked that the following Executive Committee recommendations will be presented to the Council for ratification:

The Working Group on Education and Training will resume its status as a Commission, whereas it will be proposed that the Commission on Fossil Fuels become a Working Group, with the same Chairman. The Commission on Comparative Planetology will be suggested disbanded. N.T. Arndt, Chairman of the Commission on Igneous and Metamorphic Petrogenesis (CIMP) will not be present during the Council meeting to explain the change of name of the Commission and the Council will be asked to transfer the decision on this to the Executive Committee. Concerning the Commission on Systematics in Petrology, the Chairman Jörg Keller is not eligible, but it is suggested that he stays on for another year until the problem of a new Chairman is solved.

The Committee AGREED that the above list of Commission Officers be presented to the Council

for ratification and to ask the Council that it empowers the Committee to fill any other vacant positions as necessary.

3.f. Approval of Changes in ICS' and INHIGEO's Statutes

Changes in ICS' Statutes:

Brett reported that he had spoken to H.R. Lane (USA), 1st Vice-Chairman of ICS, who had informed him about the changes the Commission would like to make in its statutes. ICS wanted to reorganize the Commission and to establish new, or disband old Subcommissions without the IUGS Council's approval.

A discussion followed and it was noted that the intention of the new IUGS Strategic Plan is to simplify actions, whereas the changes in the ICS statutes seem to make them more complicated.

The Committee did not find it appropriate at this time to vote on the proposed changes to the ICS statutes, because in this case the IUGS Statutes would also have to be changed. It was decided to convene an ABRD meeting devoted to the proposed changes to see if they are reasonable.

The Committee DECIDED that there should be guidelines for all Commissions, that they should establish working groups rather than subcommissions, and that the new Executive Committee should recommend to Commissions that they make statutes.

INHIGEO's Bylaw Changes:

Boriani read the old Bylaw No. 9, concerning voting, which the Commission felt was not functioning properly: it requested that the bylaw be changed to open up for elections by postal ballot.

The Committee unanimously ENDORSED that the change of INHIGEO's Bylaw No. 9 be recommended for approval by the Council.

3.g. Ratification of GSSP

Speden reported on the new GSSP defining the Sinemurian Stage submitted by the International Commission on Stratigraphy for ratification by the Executive Committee. He mentioned that 65% of the voting members had been in favour.

The Committee RATIFIED the proposal accepted by the ICS Full Commission on the Global Stratotype Sections and Points (GSSP) defining the base of the Sinemurian Stage, the Lower Jurassic Series.

3.h. Grant Allocation for the Proposal Policy

Boriani referred to the Committee decision at its meeting in Cairo in January this year, that the Union should use USD 30,000 on the proposal policy. The Bureau suggested now that USD 20,00 be used on projects and the rest be transferred to the reserve account.

The Committee APPROVED that IUGS allocate USD 10,000 to E. Derbyshire's project on climate change. This will be in addition to the ICSU grant. Another USD 10,000 will be allocated to David Howell's project "Crowding the Rim" and USD 10,000 will be transferred to the IUGS Reserve Account.

4. INTERNATIONAL GEOLOGICAL CONGRESS (IGC)

4.a. Report by Secretary General/President of 31st IGC

C. Berbert, the IGC Secretary General, will be presenting a report on IGC at the upcoming IUGS Council meeting.

4.b. Report on the IUGS/IGC Relations

Boriani remarked that the visibility of IUGS at the IGC was very low. He proposed to ask the organizers of the congress to place a subtitle to the IGC name, indicating that IUGS is a part of it. He also suggested that a proportion of the registration fee, for instance USD 20, should go to IUGS.

I. Speden spoke about the IUGS exhibition booth for which he had been responsible and said he was disappointed by the response from the Commissions. There had also been many technical problems in setting up the booth. Speden

further reported on the IUGS posters he and his institution had designed and printed for the IGC. Concerning increase in IUGS visibility, Boriani said it was important that the IUGS booth be near the entrance and be more attractive. He therefore suggested that the Treasurer spend a little more money on the exhibition at the next Congress.

The Committee THANKED I. Speden and his institution for the work accomplished on the IUGS booth and the IUGS posters.

4.a. Scheduled IUGS Activities at IGC

The Committee found it unnecessary to discuss this item.

5. IUGS ADVISORY BOARDS AND FUTURE PLANS

5.a. Advisory Board on Research Development

The Committee made no special comments, awaiting the results of implementation of the Strategic Plan.

5.b. Advisory Board for Publications

A short discussion took place on *Episodes*.

Brett mentioned that the printing of the updated Stratigraphic Chart had been difficult to handle. He said that the copies of the Chart that were meant for distribution at the IGC exhibition, were in Rio de Janeiro, but unfortunately stuck in customs.

6. COOPERATIVE ACTIVITIES

6.a. Scientific Committee on the Lithosphere (SCL) of the International Lithosphere Program (ILP)

Boriani informed the Executive Committee about an ILP Bureau meeting on the following Sunday, August 13, during the IGC. The incoming President is Asahiko Taira from Japan and the incoming Secretary General is Kay Schedlok, a geophysicist from the US. For the first time there will be a non-European and non-North American as President and an outstanding woman as the Secretary General. A. Green, outgoing President, will stay on the Bureau. Boriani noted that the SCL has already adopted a proposal policy.

Z. Johan mentioned that the Committee at its last meeting had discussed the use of the IUGS funds allocated to SCL and he reported that A. Green had reassured him by letter that the USD 5,000 from IUGS will be used for conducting science and not for a secretariat.

The Committee stated that since SCL became an ICSU Scientific Committee the connection with IUGS has become looser. It therefore RECOMMENDED the next Executive Committee to look into the possibilities of a renewal of the relationship with SCL.

6.b. IUGS-UNESCO International Geological Correlation Program (IGCP)

Boriani reported that UNESCO has proposed that IGCP become an intergovernmental program. However, IUGS cannot be part of an intergovernmental activity and this would therefore exclude IUGS from the IGCP. Janoschek suggested asking the IUGS National Committees to put pressure on the national commissions of UNESCO. A change in the IGCP statutes would need the consent of IUGS.

The problem of combining the Geoparks activity with IGCP was also discussed.

The Committee AGREED that IUGS will sponsor the IGCP Symposium in Osaka, Japan organized by Yoshida Masaru.

6.c. IUGS-UNESCO Deposit Modelling Program (DMP)

Brett reported on a DMP meeting he had attended and expressed concern because the Program would like to conduct a review of its own activities while he felt that this should be done by outside reviewers.

G. Gaál stated that Kate Johnson, the DMP Chairman is doing a good job and that the program is active. A DMP meeting will be held during the IGC and Kate Johnson will present the program at the IUGS Council meeting in a few days.

6.d. IUGS-UNESCO Geological Application of Remote Sensing (GARS)

Brett referred to a meeting in UNESCO with R. Missotten, Z. Johan and himself, noting that they just had to wait and see how the program develops.

7. RELATIONS WITH ICSU

Boriani read a letter announcing a meeting of the ICSU Executive Board in February 2001 in Paris. A representative of each Union should be present and the Committee recommended that the incoming Bureau discuss who should be the representative.

8. IUGS COUNCIL MEETING

R. Brett went through the Agenda for the upcoming Council meeting. It was decided that the oral reports on cooperative programmes should not last more than five minutes. Alan Green, a member of the Strategic Plan Committee, would present the Strategic Plan to the Council. The Committee discussed the unfortunate situation that one of the countries applying for membership had not paid its dues. The Council could not ratify an inactive country as a member. *(At the time of the Council meeting, all the countries applying for membership had paid.)*

Boriani informed the Committee that the New Zealand National Committee had suggested an additional change in the IUGS Statutes that had been submitted to the Council for approval. It wanted to reinstate the clause concerning "education" that had disappeared under the article concerning the redefined mission.

Brett presented a list of candidates for the new Nominating Committee, to be elected by the Council, noting that regions and geological fields had been taken into consideration: W.G.E. Caldwell (Canada), W. Al-Hashimi (Iraq), Petr Jakes (Czech), Marta Mantovani, (Brazil) Isabelle Niang Diop (Senegal), and Michael Schmidt-Thomé. Brett will serve on the Committee as Past President.

9. PROGRAM PRIORITIES AND TENTATIVE BUDGET ALLOCATIONS FOR 2000 - 2004

Z. Johan said he had prepared a provisional budget for 2001, but because of unstable partners he had not been

able to prepare it for the period 2000 to 2004. The main new aspect of the budget proposal for 2001 is that USD 50,000 has been set aside for new initiatives. The Union is also awaiting the outcome of the suggestion to increase the membership fee that will be discussed during the Council meeting.

10. OTHER BUSINESS

R. Brett concluded the meeting by thanking the Vice Presidents and observers for their cooperation, especially the outgoing Vice Presidents.

The Committee THANKED R. Brett, the outgoing President, for his hard work and for promoting IUGS during the last years.

On the first day of the Executive Committee meeting at 16:00 hours, a meeting with representatives of Affiliated Organizations and the Executive Committee had been scheduled:

8. MEETING WITH REPRESENTATIVES OF THE AFFILIATED ORGANIZATIONS

The following Affiliated Organizations had representatives present:
AEGS, AGI, AGU, CGMW, CPCEMR, EMU, IAEG, IAGC, IAH, IAS, IMA, IPA, (and CNFG-France).

R. Brett opened the meeting, welcoming the representatives to meet with the Executive Committee. He said that the reason for the meeting was the new strategic plan that IUGS has established, which will be presented to the Council for approval in a few days. The strategic plan concludes that the links with the Affiliated Organizations are not as good as they should be and is recommending improvements.

Brett noted that many of the participants had read the document. The question for a long time has been: "What does IUGS do for its Affiliated Organizations, and what are IUGS and the organizations doing for each other?" The answer was "very little". Some of the organizations receive a small amount of money from IUGS.

So, what can be done to make affiliation to the Union more attractive? Brett referred to the strategic plan, which is recommending a reduction in the number of IUGS bodies and especially in the number of Commissions. Like many organizations that are going into short-term projects, IUGS is also planning to establish a project proposal policy. This will enable IUGS bodies and Affiliated Organizations to work together on proposals, resulting in better products with multidisciplinary approaches.

Brett asked if it would be worthwhile to allow the organizations to vote on a level with the national members. Should there be special affiliates, like the associations of International Union of Geodesy and Geophysics (IUGG)? Furthermore, the Strategic Plan recommends that the IUGS Advisory Board for Research Development should play an essential dual role as an ad hoc "strategic planning committee" and as a committee that regularly reviews the IUGS's active scientific programs and proposals to initiate new ones. Brett suggested that officers or members of the Affiliated Organizations should serve on this Board.

Brett further mentioned that it has been discussed to have an Executive Committee member being responsible for looking after the Affiliated Organizations. He concluded his remarks by referring to the IUGS quarterly journal *Episodes*, which he thought could be useful for some of the organizations in presenting material and he urged those present to visit the IUGS web site: <http://www.iugs.org>.

A.F. Spilhaus (AGU) expressed concern that the competition between Unions is increasing and emphasized the importance of the fact that the Unions have different roles. People who have the perspective of what is happening world-wide and geoscientists need to work together, solving problems with different perspectives.

Brett referred to the Strategic Plan, which states that: "In the future, the IUGS must strive to do more of this kind of broadly international research and place even greater emphasis on issues of "Geoscience and Society", because it is needed."

A discussion followed on strategic priorities and on guidelines for priorities. It was noted that IUGS has a list of priorities so far as the new proposal policy is concerned. P. Leahy said that the relationship with IUGS

is important. Concerning setting priorities, he suggested that IUGS could watch the priority settings, asking the Affiliated Organizations to give their priorities and compare them with those of IUGS.

Brett said that the information from the Advisory Board for Research Development is important in guiding the setting of priorities. He stressed the importance of the Earth Sciences being more united than they are now.

J. Dercourt (CGMW) said the problem was to unite the Affiliated Organizations and IUGS, because they all are dealing with geology, but that this is not so easy. He further spoke about the updated Stratigraphic Chart, which was meant to be distributed at the UNESCO booth during the Rio Congress. Dercourt complained that the CGMW logo had been omitted from the chart. He launched a diatribe, which Brett stated was totally irrelevant to the purpose of the meeting.

G. Faure (IAGC) commented that the individual societies are not prepared to deal with governments and that IUGS should pursue formulating statements and distributing them around the world. He stated it would be a useful function for IUGS to form the mechanism for the earth scientists to communicate to governmental and non-governmental fora world-wide. Brett referred to a public affairs committee he had newly launched, dealing with topics that are of importance to society and which will be expressed in position statements. IUGS is the only organization that can do this on the international scale: the Affiliated Organizations had been asked to contribute to these position statements. He hoped the work of this committee would unfold during the time of the new Executive Committee.

Jerry Brown (IPA) said it would be useful if IUGS could participate in the organizations' national conferences: this should be a two-way street. Brett agreed.

P. Marinos (IAEG) noted that the IAEG is cooperating with COGEOENVIRONMENT, so some of the proposals for better communication are being fulfilled in relation to his Association. It has also used *Episodes* to spread information, and has always appreciated the funds allocated by IUGS for supporting some participants from developing countries.

T. Weiszburg (IMA) remarked he was in favour of increasing communication between the organizations and

IUGS. He found the proposal of having short-term projects a good and useful idea, even if only a small amount of money was allocated. He emphasized the importance of using *Episodes* and asked about the possibilities of making an electronic version of the journal.

A. Boriani underlined that IUGS does not fund research, but meetings and that this should be well known when IUGS is asking for project proposals.

Brett concluded the meeting by thanking all the participants, stating that the earth sciences and IUGS are growing and will become better known.

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**47th EXECUTIVE COMMITTEE MEETING -
INCOMING MEMBERS
August 15, 2000, 14:00 - 16:00**

1. APPROVAL OF AGENDA

The Committee APPROVED the Agenda.

2. PAST PRESIDENT'S OPENING REMARKS

R. Brett opened the second day of the Executive Committee meeting by welcoming the new officers. He noted that there will, as a result of the newly adopted strategic plan, be changes in the Executive Committee policy. He explained that each officer will be responsible for special tasks and that he or she will be required to report on their progress. He said that the members should put forth his or her best effort for the rest of community.

Brett further stated that despite the hard work, he had enjoyed his four years as President and wished good luck to the incoming President, Ed de Mulder.

3. PRESIDENT'S ADDRESS

Ed de Mulder started by thanking the outgoing President, R. Brett, who had served IUGS for 11 years and had been the heart and soul of IUGS during the last years. He especially commended him for his efforts in establishing the Strategic Plan Committee, serving on it and encouraging the work. The recommendations from this Committee were presented to the Council a few days ago and were regarded as an important piece of work.

He expressed thanks to the outgoing Treasurer, Z. Johan, who had steered the Union's financial situation to a solid position. He noted that the Council had been pleased with the financial situation as reported by Johan, and most importantly, it had voted for an increase of the membership fee.

He further thanked the Vice Presidents for their work on the Committee. He expressed that he looked forward to their continued contribution and referred to the delegation of responsibilities to Vice Presidents. De Mulder spoke of house rules, stressing the importance of

acting as a team whose members are loyal to one other. He said that the Committee should address him if problems arose. Through teamwork, the Committee can fulfil the tasks and recommendations of the strategic plan.

De Mulder concluded by mentioning that all communication should be conducted by e-mail as far as possible. He suggested that incoming e-mails be promptly acknowledged and that, if a reply is requested and not possible, the sender should be told when he or she could expect a reply.

Speden emphasized the importance of prompt transmission of the outcome of the Bureau meetings to Vice Presidents and Councillors.

Gaál added that it would be important for the Vice Presidents and Councillors to be invited and to attend Bureau meetings. He referred to the closed Bureau meetings, stating that a more open management would give more motivation to the rest of the Executive Committee.

De Mulder said that the key issue for the Union to work on would be acceleration of decision-making. He mentioned that after approval of the strategic plan, the composition of the Executive Committee was different. The eight former Vice Presidents were replaced by two Vice Presidents and four Councillors. However, four Vice Presidents, elected according to the old system, would serve on the Committee till 2002. The two new Vice Presidents would have different tasks from the earlier ones and would work more closely with the Bureau, attending at least one of its meetings. He also thought that it would be possible to benefit from the two Councillors that were elected to serve from 2002.

De Mulder also referred to the delegated tasks of Executive Committee members, mentioning that he had thought about 15 different tasks that could be presented to the Committee. At the end of this year a list would be presented, from which each member should chose a suitable task.

A discussion followed on suggestions for different tasks: de Mulder indicated that he thought that the direction the Union takes should be left as open as possible according to the strategic plan recommendations. He said he would like to see a "brain-storming" meeting on this item before recommendations are implemented. Boriani emphasized that the Executive Committee is the deciding

body within the Union and should act as one team. The Council ratifies the decisions. The President represents the Union, the Secretary General does the housekeeping, and the Bureau prepares the Executive Committee meetings.

4. PRESENTATION OF NEWLY ELECTED OFFICERS

De Mulder asked the newly elected Officers to introduce themselves and to describe their field of interests.

A. Boriani (Italy), re-elected Secretary General, started by saying that most of the participants would probably know him after his office as Secretary General for the last four years. He had been a member of the Executive Committee since 1992. He is a Professor of igneous and metamorphic petrology at the University of Milan in Italy and has worked mostly in the Alps, but also in Indonesia and Africa.

W. Janoschek (Austria), new elected Treasurer, said that he began his geological education at the University of Vienna studying palaeontology and petrology. He started as a field geologist at the Geological Survey of Austria, was then Head of the mapping division and Deputy Director. He had organized the hosting of an Executive Committee in Vienna when R. Trumpy was the President and again two years ago.

P. Bobrowsky (Canada), newly elected Vice President, noted that he is with the British Columbia Geological Survey Branch, primarily responsible for exploration geochemistry, geological hazards and aggregate resources. He is adjunct Professor of Geology at the University of Victoria, where he supervises five graduate students. He has been Secretary General of COGEOENVIRONMENT for six years and is now International Director for the Canadian Geoscience Council.

G. Gaál (Finland), Vice President to 2002, remarked that he regarded himself as having three nationalities. Born in Hungary, he left the country in 1956 and studied geology at the University of Vienna, Austria, where he obtained his PhD in alpine geology. He has worked in India, Brazil, Nicaragua and Australia, but most of his professional work has been in Finland where he worked for the Geological Survey, currently as Research Director. He mentioned that he had been involved in several IUGS activities, being Chairman of the Commission COGEOGEO, member of the steering committee of the Deposit Modelling

Programme and a member of the IGCP Scientific Board. He has also been leader of an IGCP Project.

I. Nyambok (Kenya), Vice President to 2002 and a Professor of the University in Nairobi, said he had many interests, but was especially concerned with the rift system in Kenya. He has been associated with IGCP activities and the IDNDR.

I. Speden (New Zealand), Vice President to 2002, remarked that he currently is working for the Institute of Geology and Nuclear Sciences in Wellington. He earned his PhD from Yale University and worked for many years with the New Zealand Geological Survey where he served as its Director. He mentioned that he had been involved in many different geological fields, both national and international. He is also on the National Committee for UNESCO.

H. Gupta (India), newly elected Councillor, noted that he is a geophysicist, having worked extensively on earthquakes, their mechanisms and the science and technology related to them. He is currently Director of the National Geophysical Research Institute in Hyderabad, which has 800 employees. He was leader of an Indian Scientific Expedition to Antarctica and has been a member of the IIP Bureau. He said he strongly looked forward to working on the Executive Committee, stressing the importance of earth sciences.

J-P. Cadet (France), newly elected Councillor from 2002, said he was Professor and head of a laboratory at the Paris VI University. His main geological fields are marine geodynamics and structural geology.

R Brett (USA), outgoing President, said he was an Australian by birth, but after a PhD at the Harvard University he has been with the U.S. Geological Survey for many years, interrupted by being in charge of the NASA group working on geochemistry and petrology of lunar rocks during the Apollo Program, and Director of the Division of Earth Sciences, National Science Foundation. He was Vice President for the Scientific Programs at the 28th IGC. His interests are mainly mineralogy, petrology of meteorites and lunar samples, the geology of meteorite impact structures, planetary core formation and mineral deposits.

Ed de Mulder (the Netherlands), incoming President, noted that his areas of interest include Stratigraphy,

Sedimentology and Marine Geology. He entered the Dutch Geological Survey in 1979 as a mapping geologist but developed into an applied geologist. He had been Treasurer of INQUA, Secretary General and Chairman of COGEOENVIRONMENT and had become more and more involved in IUGS. As President of IUGS, he said he would step down from the leader position he had had and devote 50% of his working time to IUGS.

De Mulder stated that the officers represented different disciplines and also a good geographically spread. Good linkage to IUGG was also represented by Brett and Gupta.

5. REVIEW OF THE ITEMS RATIFIED AND DISCUSSED AT IUGS COUNCIL MEETING

De Mulder reported that the IUGS Council had approved Gambia, Mongolia, Namibia and Yemen as new Adhering Organizations.

The Strategic Plan had been approved and adopted and was now an official document. Subsequently the changes to the IUGS Statutes had also been approved.

The increases in membership dues were approved and the unit price in 2001 will be USD 420 instead of USD 400. In 2002 the unit price will be USD 440 and from 2003 the membership fees will follow the inflation rate based on the US Consumer Price Index (CPI).

The Council elected the following members for the Nominating Committee:

Robin Brett (USA) (Chairman), W.G.E. Caldwell (Canada), Wissam Al-Hashimi (Iraq), Marta Mantovani (Brazil), Isabelle Niang Diop (Senegal), Michael Schmidt-Thomé (Germany), and Zhang Hongren (China).

New and re-nominated Commission officers had been ratified. For those Commissions that did not submit nominations, the Council empowered the Executive Committee to accept the changes in the list of officers. This mainly concerned the Commission on Systematics in Petrology (CSP), which has to nominate a new Chairman, and the Commission on Geological Science for Environmental Planning (COGEOENVIRONMENT).

The following new COGEOENVIRONMENT officers were therefore approved by the Executive Committee:

Chairman: Colin Simpson, Australia

Vice Chairman: Imasiku Nyambe, Zambia

Secretary General: Joy Pereira, Malaysia

The European Mineralogical Union (EMU) was approved as a new Affiliated Organization.

Lastly, the changes in INHIGEO's Bylaw No. 9 were approved

10. STATUTES OF PLANNING - 32nd IGC

Boriani said that a preparatory committee, chaired by Forese Wezel, has been planning the next Congress. An organizing committee will soon be in place and the representatives will be invited to participate in the next IUGS Executive Committee meeting.

The Committee ASKED Boriani to inform the organizers of the 32nd IGC that IUGS is expecting that they comply to newly adopted Strategic Plan.

11. PLACE AND DATE OF 48TH EXECUTIVE COMMITTEE MEETING

Boriani stated that the Bureau as soon as possible will agree on place and fixed dates for holding the Executive Committee meeting in early 2001. Places mentioned were Namibia, India, Hungary, Norway, and China. Johan reminded the new Committee that the expenses for organizing meetings in far places are very high. The meeting could be held after the IGCP meeting at UNESCO in Paris, in early February, but should not exceed eight days including field trip.

11. OTHER BUSINESS

Implementation of Strategic Plan:

De Mulder said he will arrange for a meeting with Bureau, two Vice Presidents and Jane Plant in order to come up with a proposal for the implementation of the Strategic Plan to the Executive Committee six to seven weeks before its annual meeting in 2001. He asked the Committee

Members to be prepared for a discussion on this topic at the next meeting.

The 47th Session closed at 4:00 p.m. on August 15, 2000.

(These Minutes were approved and adopted by the Executive Committee at its meeting Hyderabad, India, in February/March 2001.)

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