

Attendees

Graeme Bonham-Carter, President
Frits Agterberg, Vice President
Carol Gotway Crawford, Secretary
Roy Kouda, Councilor
John Cubitt, IAMG 2003 Chair
Maria-Theresa Schafmeister, Councilor
Heinz Burger, IAMG 2002 Chair
Harald Poelchau, Newsletter Editor
Vera Pawlowsky-Glahn, Awards Committee Chair
Mike Hohn, Publications Committee Chair
Ed Sharp (arrived at 3:15), Editor, *Mathematical Geology*
Gert Jan Weltje (arrived at 5:40), Councilor

President Bonham-Carter convened the meeting at 3:07 p.m.

President's report

Significant events since last year's council meeting (in Cancun) are:

- 1) Establishment of IAMG office
- 2) Convening of commission to consider membership structure changes. Chair was Ricardo Olea.

The establishment of IAMG office was proposed by Vera Pawlowsky-Glahn during her 2000 campaign for president. The office was established at the end of 2001 and now provides a central place for membership renewals and inquiries about journal subscriptions. The office is in Kingston, Ontario, and is run by a company (Events & Management—E&M) that has 20 years' experience. E&M sent membership renewal notices in December, reminder notices in the Spring, and final reminders in June that garnered quite good response. E&M has established a system for handling journal complaints and formalized liaison with the publishers. E&M sold 46 CDs of the proceedings of the Cancun conference and 50 CDS of the silver anniversary proceedings. E&M sends regular membership status reports to the treasurer.

As a result of the membership commission's report, if the proposed by-laws changes are adopted, membership rules will no longer be in the constitution, so they can be changed without a general assembly vote. This should simplify the process considerably.

New committees resulted from last year's meeting.

- Student grants committee chaired by Alexandre Desbarats.
- Distinguished lecturer committee chaired by Tim Coburn.

IAMG no longer has an education committee, but John Tipper's work lives on. Five articles have come out, all abstracted on the IAMG web page.

Harald Poelchau will put a note in the newsletter asking if anyone wants to write a regular column similar to that done by the late John Butler.

IAMG provided \$3,000 to help sponsor the Baltic VII Conference in Kaliningrad this year. IAMG sponsored a presentation at the Joint Statistical Meetings in New York in August. IAMG established a \$1,000 scholarship at University of Houston to honor John Butler.

The relationship with Elsevier's representative for Computers & Geosciences had some difficulties at the start, but it is getting better.

Treasurer's Report

In absence of Treasurer Bohling, Graeme summarized the treasurer's report. Formal treasurer's report has been delayed, but Treasurer Bohling will submit it to the secretary when done.

Highlights of informal report include:

Office was established. (Report from E&M is attached.)

Membership and subscriptions are down.

Elsevier royalties are up \$1,000.

Klewer Plenum royalties are up \$2,500.

Library subscriptions are up for electronic versions, but don't know split between electronic and hard copy. Believes more students are subscribing electronically. Received a report yesterday that the problems with electronic subscriptions have been resolved.

Conservative nature of investments has served IAMG well. Checking account has large balance.

Need ideas on how to invest.

Of 19 resignations over past year:

- 8 retired, no longer wanted to pay expense, or got journals through other means.

- 4 had career change.

A summary of the Treasurer's report follows below (inserted for completeness by Secretary General Gotway Crawford after receipt from Treasurer Bohling October 15, 2002).

Membership numbers are down. There were 532 members (472 renewed, 60 new) as of the end of August 2002, down from 555 at the end of August 2001, and 565 at the end of August 2000. Here are the subscription numbers (for which information is available) since 1997:

Year	MG Member	MG Non-member	C&G Member	NRR Member
2002*	390	?	214 [#]	77
2001	433	233	289	90
2000	434	287	296	95
1999	468	315	316	102
1998	401	332	290	87
1997	430	?	285	115

* As of August; all the rest as of end of year

Print subscriptions only; we did not offer member electronic subscriptions before 2002.

The royalty statements from Elsevier (which include royalties from both print and electronic non-member subscriptions to C&G) do not list the number of either kind of subscription. We do not know the number of non-member subscriptions to NRR because there have never been enough to generate royalties. The MG 2001 royalties from Kluwer-Plenum were \$12,041, for 233 non-member subscriptions. The C&G 2001 royalties from Elsevier were \$43,676. (For 2000, the royalties were \$14,541 for MG and \$42,696 for C&G.)

The conservative nature of IAMG's investments has served us well in this rocky year. Our Firststar/US Bank funds have lost only about 1% and the SSB funds have gained 1.7%. Bank Statements were submitted to both the Secretary General and the President.

There is a very large balance (\$91,000) in the checking account. Obviously, a substantial portion of this needs to be moved into investment funds of some kind. Treasurer Bohling will try to get this accomplished before too long, and is open to suggestions as to how to invest this money.

Membership Commission Report

In absence of Ricardo Olea, who chaired the membership commission, President Bonham-Carter summarized commission's report.

The reason for the general assembly is to vote on changes to by-laws 1&2 pertaining to membership. Heinz Burger put copies of the proposed by-laws changes in the registration packages.

Discussed agenda for General Assembly:

- Short president's report
- Listing of the award winners
- Review of the reasons for the by-laws changes
- Discussion
- Vote

Under new business, Dave Collins proposes a petition to protest elimination of the Math Geology section at Kansas Geological Survey. Dave also has a resolution. After discussion of process, Council decided to rewrite preamble of petition, announce it at general assembly, then display it in an area where attendees could sign.

Harald Polechau, Ed Sharp, Heinz Burger, and Graeme Bonham-Carter will meet to reword the petition preamble.

Conference Committees

2002 Conference, Berlin, Germany

The Cancun report helped the organizers design this conference. There should be approximately 250 participants. (2001 conference in Cancun had 199.) Workshops are fairly full. If workshop was not full, organizers assigned Free University people to attend.

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More emphasis was put on poster sessions because of problems in Cancun. The plenary poster session makes for a tight schedule. Will serve soup to prevent people from fading. Most non-payers were assigned to poster sessions.

Organizers will write a report on the conference. Reports on every conference should be accessible to those organizing subsequent conferences.

The Secretary General should be sent copies of every conference report so that they are retained for the record and available thereafter.

Heinz Burger said feedback from previous conferences indicated some attendees wanted the whole paper rather than just the abstract: 20-30% of abstracts are so general as to be unhelpful. Because of the variety of formats, 2002 conference organizers could not put all the papers into pdf and therefore couldn't transfer them all to CD. Particularly the math symbols did not translate well into pdf. We might be able to scan the inputs and put them onto a CD. It is probably easiest to copy inputs in their original formats onto a CD. Any conference CD will have an ISBN.

2003 Conference, Portsmouth, UK

John Cubitt distributed one page summary and brochure (copy summarized here).

Preparations for next year's annual conference are proceeding to schedule.

1. Accommodation and equipment for all technical sessions and residential requirements has been booked with the University of Portsmouth conference office.
2. A programme of 17 symposia, 8 workshops and 7 field trips has been devised by the organising committee and suitable convenors identified and invited. Approximately 70% of those to be approached have already agreed to participate.
3. A full social programme has been arranged in co-operation with the Conference Office of Portsmouth City Council.
4. Business banking facilities have been set up with HSBC and full accounts of income and expenditure are being maintained.
5. Opportunities for commercial sponsorship are being explored with a number of organisations.
6. A web site, WWW.IAMG2003.COM, has been established and carries all the available information
7. A first circular/call for papers has been produced and circulated to a mailing list of approximately 900. This includes all IAMG members and delegates to IAMG2002. In the two weeks since the call for papers was distributed (and appeared on the web site) we have

received approximately 25 expressions of interest. These have been spread across the majority of the proposed symposia and workshops and all of the field trips.

8. A second circular will be issued by the end of this year. It will set deadlines for abstract submission and registration.
9. The organising committee has discussed various options for publications arising from the conference. An abstracts volume will be available to all delegates at the start of the conference. This will also be available as a CD-ROM. Options for publication of selected full papers are being explored.

2004 Conference, Florence, Italy

Antonella Buccianti's report on 2004 conference in Florence indicates planning is well underway. Field trips are scheduled both before and after the 20-24 August 2004 conference. Secretary General will ask Antonella to update the information and have it put on the IAMG web site.

Structure of the 32nd International Geological Congress

<u>August 15-20, 2004</u>	Field Trips Workshops Short Courses
August 20, 2004	Opening Ceremony
August 21-28, 2004	Plenary Lectures Special Symposia Topical Symposia General Symposia Poster Sessions One-day Workshops One-day Short Courses One-day Field Trips Meetings of Organizations and Societies
August 28, 2004	Closing Ceremony
August 29- September 3, 2004	Field Trips Workshops Short Courses

Additional information about the scientific program and other can be found in the 32nd IGC website: <http://www.32igc.org>.

For any request of information please contact the Scientific Secretariat Chiara Manetti, Dipartimento di Scienze della terra, Università di Firenze, Italy (phone/fax: +39 055 2382146, e-mail: casaitalia@geo.unifi.it)

2005 Conference

IAMG needs at least two proposals. Tim Coburn suggested meeting in North America at least once every three years. Organizing a conference is too large a task for one person. E&M may be able to help with conference planning.

Publications Committee

Mike Hohn reported on publications committee activities (copy summarized here).

Computers & Geosciences Report, Graeme Bonham-Carter, Editor

Computers & Geosciences seems to be in a healthy position: plenty of papers being submitted, a good relationship with the publisher, satisfactory turnaround from time of submission to date of publication.

The number of pages in the journal, which has 10 issues per year, dipped during the mid-1990s, mainly because computer code was moved from the printed page to the IAMG server. However, in 2001 and projected for 2002, the page numbers are back up to about 1200 per year.

The electronic version of the journal is now available through Science Direct in about 2000 libraries. A reduced electronic subscription rate for IAMG members was introduced in 2002. As of July 2002, the number of IAMG members subscribing to the electronic version is 76, with 195 members taking the print version, and 19 student subscriptions (discounted by 50% from the regular print subscription).

Some new useful new features of the full electronic version available through Science Direct at subscribing libraries includes:

1. Listing of articles in press, thereby speeding up production cycle.
2. Forward citation. This allows the reader to check the number of citations made to a paper, and get a listing of the titles and abstracts of those papers.

About half the papers published have associated code on the IAMG server.

Natural Resources Research, Dan Merriam, Editor

In 2001, NRR (volume 10) received 42 manuscripts (7 were rejected; 29 were being published; 2 have been accepted and waiting for revisions; and 4 are still in review). Four parts were issued and by the end of 2001 the journal was on schedule. In 2002 (volume 11), so far 11 manuscripts have been received (1 has been rejected; 4 have been accepted and are in press; 3 have been accepted pending revision; and 2 are in review). Four manuscripts have just been received (bring the total for 2002 to 15) and are being processed. The journal in 2002 is on schedule - two issues are out, a third in page proof, and the fourth is being edited - and it should remain so during 2003. The flow of manuscripts is good and the reviewers are being prompt. I would like to acknowledge several for devotion beyond the call of duty in reviewing manuscripts

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for the journal and they include: Frits Agterberg, Graeme Bonham-Carter, Larry Drew, Andrea Förster, Eric Grunsky, Jack Schuenemeyer, Marios Sophocleaus, and Don Singer.

NRR can always use good papers and IAMG members are encouraged to submit their research and to subscribe to the premier journal on natural resources.

Mathematical Geology, Ed Sharp, Editor

Mathematical Geology received only 54 submissions in 2001 but already have 50 for 2002. Delay in sending out journal affected 2001 submissions. Trying to adjust the web version so it prints well.

Monograph Series, JoAnne DeGraffenried, Editor

President Bonham-Carter summarized Joanne deGraffenreid's report on the monograph series. Generally in a healthy state despite Oxford U. Press changes that have made liaison difficult. Monograph #7 will be out soon.

Newsletter, Harald Poelchau, Editor

The newsletter system is completely changed. It was good to leave the Kansas printing service. Kingston does better but is still slow. Electronic version goes out quickly. For example, manuscripts were submitted 8 July. Electronic version went out 19 July. Pam Lyons could not relate status of printed/mailed versions as of 1 August. Perhaps some problems have been worked out now and the next edition will go out more easily. Have received no feedback on electronic version of newsletter.

Mike Hohn: Received quotes from Kluwer, Elsevier, and Allen Press to "re-contract" *Math. Geology*. Publications committee and Council chose Kluwer and are awaiting the signing of the contracts. Dave Soller (USGS) approached President Bonham-Carter about starting a new journal on digital mapping. Mike Hohn responded to Dave with some questions. Will explore the concept further after Dave responds.

Student Grants Committee

President Bonham-Carter reported for Tim Coburn: Student Grants Committee was slow getting started, but it has now selected three winners from eight applications. Quality of the proposals was high. One of the winners is supposed to attend this year's conference. Applicants represented a variety of countries. Second round of grants should go much smoother. Tim Coburn proposes lifting the limit of granting no more than 40% of the total money to one applicant (i.e., \$2,000 of the \$5,000 total).

After discussion, Council decided that \$2,000 is a substantial amount in many areas of the world. The limit will remain for now.

Council also discussed whether grants could be renewed. Although this is not addressed specifically in the award guidelines, consensus was that renewal would require re-application, since one goal is to increase IAMG membership.

Distinguished Lecturer Program

President Bonham Carter reported for Alexandre Desbarats: The program had trouble getting nominees. The only nominee was John Davis, who is certainly a good candidate, and perhaps that scared off other nominations. John will announce the title of his lecture on Thursday.

Awards Committee

Vera Pawlowsky-Glahn will submit a short awards article for the newsletter. The process is running smoothly, but the continuing problem is lack of nominations. Chair Pawlowsky-Glahn will step down as chair and rotate off the committee. Heinz Burger will become committee chair after this conference and will chair until 2006. John Cubitt will also rotate off the committee. Thus, the committee will need two new members (to join Journal, Rollinson, and Burger). President Bonham-Carter thanked Vera for six years of service as chair of Awards Committee.

Tim Coburn suggested IAMG should have a fellows program. Perhaps preparation of a nomination package for IAMG fellows would help generate nomination packages for awards. Council will ask Tim to flesh out his proposal.

Council discussed clarifying the awards nomination process, especially the material presented on the IAMG web site. Committee will consider posting a list of applicable questions, the answers to which might constitute the bulk of a nomination.

Webmaster Report

Webmaster Eric Grunsky was not present. Much of past year has been spent repairing database damage caused by a hacker. Also, Webmaster Grunsky changed jobs, and this consumed some of his time.

His report is summarized below:

WWW and FTP Activity

During the past 12 months web site and ftp access has not been monitored due to the unavailability of the IAMG server log files. A request has been made to retrieve these files and statistics will be compiled when they become available.

IAMG Membership Directory

The Membership Directory is currently unavailable because of firewall security issues. A plan is underway to relocate the membership directory to the IAMG business office. This move will facilitate updating of membership information by the IAMG business office staff as well as place the on-line directory within a secure server environment.

Web Site Maintenance

The primary web site (www.iamg.org) is currently located in Ottawa, Ontario, Canada and is hosted by Natural Resources Canada. Security features at this site are excellent and the integrity of the web site and its contents are maintained at the highest standard. The Ottawa site uses SUN computers and the UNIX operating system platform.

Vice President's Report

Part of VP's job is liaison with other groups, and Frits Agterberg organized an invited paper session for the Joint Statistical Meetings (JSM 2002) in New York City. The session, "Recent Developments in Geostatistics" was convened Monday afternoon, August 12th, 2002. Carol Gotway Crawford chaired this session. The four invited speakers were:

1. André Journel - Multiple-point Geostatistics: A New Challenge
2. George Christakos - The Emergence of Parmenidean Knowledge Synthesis in Spatiotemporal Modeling
3. Timothy Haas - Monte Carlo Space-Time Statistical Analysis in JavaSpaces
4. Noel Cressie - Finding Large-Scale Spatial Trends in Massive, Global, Environmental Datasets.

The session was well attended.

The IAMG also had been invited and accepted to organize, as a Guest Society, an invited paper meeting at the 54th Session of the ISI to be held in Berlin, Germany, August 13-20, 2003. This Invited Paper Meeting (IPM) is entitled: IPM 77 "Recent Statistical Advances in Geological and Environmental Applications".

The three invited speakers with tentative topics for ISI 2003 IPM 77 are:

Paul Switzer, Stanford University - Statistics and Stratigraphy

Felix Gradstein, University of Oslo - Quantitative Biostratigraphy and Numerical Time Scales

Ricardo Olea, Kansas Geological Survey - New Regional, Lithostratigraphic Applications of the CORRELATOR Expert System.

IAMG has incurred minimal expense—principally travel—in sponsoring these sessions.

A proposal to hold an IAMG-sponsored Symposium on "New Applications of Mathematical Statistics in the Earth Sciences" co-chaired by Frits Agterberg and Carol Gotway Crawford during the 32nd International Geological Congress in Florence, Italy, August 2004 has been accepted and listed in the first IGC 2004 circular. The proposed scientific focus is as follows.

The Symposium focuses on the interface between geo-science and mathematical statistics. Papers to be presented deal with geo-science applications of newly developed concepts and

methods of mathematical statistics and other fields of applied mathematics. In the past, geologists have helped to create new fields of research for mathematical statisticians. In turn, theoretical developments by mathematical statisticians have provided us with useful new tools. Topics of special interest to geologists include spatial statistics, analysis of closed number systems, quantitative stratigraphy and statistics of directional features. Additionally, the past two decades have seen new developments of fractals, multifractals and chaos theory. Applications of these non-linear developments in geo-science also will be included as topics for papers in this symposium.

Secretary's Report

IAMG always asks IUGS for \$5,000 to support travel by members from poorer nations. This year, IUGS will contribute \$2,000, but the money still has not been transferred. When the funds are received, they will be given to John Cubitt to support travel to the 2003 conference.

The IUGS president is traveling to Denver. Dan Merriam and Mike Hohn will meet with him at his request.

New Business

E&M assessment:

President Bonham-Carter reported that Ricardo Olea asked for an evaluation of E&M's performance. Council suggested that the President should send an e-mail to members asking for comments on E&M. E-mail will include a review of the services E&M is providing, what services they might be able to provide, and what those services cost. President deals most often with E&M and is pleased with their performance thus far, indicating contract will probably be renewed.

Voting procedures:

President Bonham-Carter reported that Councilor Tom Jones suggested changing the voting procedures from a general assembly to an e-mail process for both by-law revision and officer election. IAMG Secretary General will re-read the constitution and ask Tom for a more detailed proposal.

Certification

Steve Henley proposes certifying people who can do resource or reserve modeling. This generated considerable discussion among council members, who are skeptical that IAMG can devote resources to the problem. Further, any certification by an international, academically-oriented body may not be accepted by local or national governments. John Cubitt will ask Henley for amplification of proposal.

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Community Sedimentary Model (CSM):

Gert Jan Weltje mentioned CSM program that plans to build an earthscape model that includes stratigraphy and lithography. The National Science Foundation (NSF) financed meetings in Winchester and Colorado. The result would be standards, QA, publicly released code. Councilor Weltje suggested IAMG involvement and volunteered to provide more information and communicate to council suggestions regarding IAMG involvement.

There being no further new business, council meeting adjourned at 6:00 p.m.

Respectfully Submitted
Carol A. Gotway Crawford
Secretary General, IAMG
November 12, 2002