

# International Union of Geological Sciences

## REPORTING FORM FOR CONSTITUENT BODIES

1999

### 1. TITLE OF CONSTITUENT BODY:

International Mineralogical Association (IMA)

### 2. OVERALL OBJECTIVES (mission statements and goals):

The object of IMA is to further international cooperation in the mineralogical sciences.

To this end the activities of IMA include:

- (a) The promotion of intercourse among mineralogists of all nations by organizing meetings and field excursions and by sponsoring publications of mineralogical interest.
- (b) The maintenance of Commissions to examine and report on certain aspects of mineralogical practice and of committees to expedite other matters.
- (c) The participation in action with other international groups having mineralogical interests.

### 3. ORGANIZATION (broad description):

The members of IMA are national scientific societies representing mineral scientists of individual countries. There is individual membership of limited extent mainly for scientists working in countries where there is no society organised for mineralogists. Only one Member Society from any one country may join.

The work of the Association is conducted by the Business Meeting of Delegates and by the Council. Ordinary Business Meetings of Delegates are to be held as often as deemed necessary by the Council, but at least once every four years (during the General Meeting of IMA). Each Member Society is represented at Business Meetings by Delegates not exceeding in number the balloting power of that Society.

The Council consists of the President, the First and Second Vice-Presidents, the Secretary, the Treasurer, five ordinary Councilors, and the retiring President.

The President, Secretary and Treasurer form the Executive Committee. The members of the Council shall normally hold office for four years.

IMA maintains Commissions to carry on its work. (New Commissions are to initiate as Working Groups.) Currently (for the term 1998-2002) 9 Commissions and 5 Working Groups of IMA exist. (See also paragraphs 6 and 10.)

### 4. EXTENT OF NATIONAL/REGIONAL/GLOBAL SUPPORT FROM SOURCES OTHER THAN IUGS:

IMA is closely co-operating with its members: the national mineralogical societies (or with mineralogy related sections of national geological societies) from all continents. The

financial background of IMA is partly based upon the membership fees paid by the member societies.

## 5. INTERFACE WITH OTHER INTERNATIONAL PROJECTS:

IMA gives regular scientific sponsorship to IUGs by organizing symposia within its frame. (For current details see paragraphs 6 and 10.)

Traditional collaboration has been established between IMA and other related organisations/projects (e.g. IAGOD, ICAM, EMU, IGCP, SGA, IAVCEI).

There is a co-operation between some projects of IMA and that of EMU. E.g.: directory of mineralogy related institutions; teaching of mineralogy.

“1999”

## 6. CHIEF ACCOMPLISHMENT IN 1999:

### *Scientific activities*

#### *On the level of the Council*

6.1. IMA has intensively been preparing the mineralogy-related scientific activities of the 31st IUG. *IMA sponsors or co-sponsors 28 symposia of the IGC 31.* (For details see paragraph 10.)

6.2. IMA started to prepare (through its 4 commissions) the next conference of the second largest international IMA related conference series (*Mineralogy and Museums 4, Melbourne, Australia, December 2000*). (For details see paragraph 10.)

6.3. IMA started to prepare its next *General Meeting (Edinburgh, UK, 2-6 September 2002)*. The Organising Committee (headed by IMA Vice President Prof. Ian Parsons) had its first meeting in February 1999.

#### *On the level of the IMA Commissions (C) and Working Groups (WG)*

##### 6.4. WG on Inclusions in Minerals (WGIM)

The WGIM organized a fluid inclusion session at the SGA/IAGOD International Congress on „Mineral Deposits: Processes to Processing“, August 22–25 1999, in London (U.K.). The session was convened jointly with the Commission on Fluids & Fluid Inclusions (COFFI) of IAGOD. Twenty-two presentations were given in this session. The oral lectures were attended generally by more than 100 fluid inclusionists.

##### 6.5. Commission on Ore Mineralogy (COM)

The COM combined with the Paragenesis Commission of IAGOD to sponsor a Session on Ore Mineralogy and Paragenesis at the 5th Biennial Meeting of the SGA and the 10th Quadrennial IAGOD Symposium, London, UK, 22-25th August, 1999. Extended Abstracts of 18 papers presented were published.

The Commission's 1999 Short Course - in its series '*Modern Approaches to Ore and Environmental Mineralogy*' - took place in Pretoria, South Africa 13–15 September. The

Course was held under the auspices of the Mineralogical Society of South Africa (MINSa) and the South African Council for Geoscience at the latter's laboratories.

#### 6.6 Commission on New Minerals and Mineral Names (CNMMN)

The main roles of the Commission are the ongoing assessment of proposals to establish new minerals, the reviewing of the status of existing minerals and the preparation of papers which provide mineralogists and petrologists with internationally accepted guidelines on nomenclature. Each month, members of the Commission, currently representing 30 countries, vote and comment on new mineral proposals received and assembled by the Chairman. Also on a monthly basis, the Vice-Chairman circulates proposals to change the status or name of minerals by members' votes. The Secretary is responsible for circulating discussion papers on Commission procedures and on nomenclature for mineral groups, as well as monitoring the activities of Commission subcommittees.

In 1999 (till end of October) proposals for *42 new mineral species* have been circulated for voting, one mineral has been discredited (platynite) and one redefined (peprossite-Ce). Proposals dealing with the *rhodizite group* and barsanovite are still under discussion. After extensive discussion, a round of voting and comment took place on proposals dealing with the use of *hyphens and diacritical marks in mineral names*. Opinion was divided and the Commission members did not approve any of the proposed changes.

#### 6.7. Commission on Classification of Minerals (CCM)

The current information about the activity connected with the further development of the classification of minerals was distributed among the representatives of the national committees. During the Werner Symposium held in Freiberg, Germany (19-24 September 1999), the CCM chairman presented a paper on the "Recent contribution to the classification of minerals". The new special interest group (SIG) "Mineralogical Crystallography" in the frames of European Crystallography Association was established in May 99 with the promotion of CCM. The problems of classification of minerals are among the main goals of this SIG.

#### 6.8. Commission on Museums (CM)

The subcommission "Catalogue of the Type Mineral Specimens" (CTMS) have completed lists of 7 countries in 1999 (Belgium, Italy, Namibia, Norway, Sweden, South Africa, and Zaire).

#### 6.9. Commission on History and Teaching of Mineralogy (CHT)

In order to help the preparation of the "History of the first 40 years of IMA" the CHT started to collect documents from early times of IMA (e.g. Prof. H. Strunz). CHT co-sponsors the "Preparation of a co-ordinated European curriculum in Mineralogy" project.

#### 6.10. Working Group on Mineral Equilibria (WGME)

In 1999 the WGME was dealing with the publication of a Special Issue of "Mineralogy and Petrology" that includes the best papers presented during the Toronto IMA General Meeting. All papers were reviewed and revised.

#### 6.11. Working Group on Organic Minerals (WGOM)

The WGOM has been working on the list of Valid and Rejected Names of Organic Minerals (in 1999: neudorfite, muckite, walchowite, duxite, hartite, beckerite, jaulingite, ixolithe). Two issues of the regular Newsletter of the WGOM was sent to all members in 1999.

#### *Formal/administrative and PR activities:*

6.12. IMA Council organised its annual meeting during the EUG 10 (Strasbourg, March 1999).

6.13. WGIM held its business meeting at the SGA/IAGOD Congress in London, U.K (August, 1999).

6.14. Commission on Gem Materials held its business meeting at the International Gemmological Conference in Goa, India (30 September, 1999).

6.15. IMA is running its own homepage ([www.dst.unipi.it/ima/](http://www.dst.unipi.it/ima/))

#### 7. CHIEF PROBLEMS ENCOUNTERED IN 1999 (if any):

No special problems arose.

#### 8. CHIEF PRODUCTS (e.g. publications, maps) IN 1999:

IMA bodies played active role in the publication of C J Stanley et al. (eds.) : *Mineral Deposits: Processes to Processing*. [Extended abstracts of the 5th Biennial Meeting of the SGA and the 10th Quadrennial IAGOD Symposium, London, UK, 22-25th August, 1999. (Two volumes.) Published by A A Balkema, Rotterdam, 1999.] In this book peer-reviewed extended abstracts of four pages of the COM and WGIM sponsored sessions were also included.

#### 9. SUMMARY OF EXPENDITURES IN 1999:

For 1999, in between the two very busy years (1998 and 2000), no special expenditures were planned. The standard administrative costs and the financial contribution of IMA to the activity of the CNMMN represented the main expenditures.

“Next Year”

#### 10. WORK PLAN FOR NEXT YEAR AND FOR THE FOLLOWING YEARS:

##### *Scientific activities*

##### 10.1. Special activities of IMA, IMA Cs and WGs during the IGC 31, Brazil.

IMA is sponsoring and co-sponsoring the following mineralogy-related symposia (28 in total) in Rio de Janeiro: D-5, D-6, F-1, 6-1–6-8, 7-1, 7-2, 8-1–8-11, 10-1–10-4.

CNMMN is sponsoring a symposium on ‘New minerals: their impact on the mineralogical sciences’. WGIM is sponsoring the session on „Modern Microbeam Techniques Applied to Fluid and Solid Species“ (inclusions in minerals: fluid, gaseous, solid; their applicability to geological materials, and their validity to derive geological Maryse:Users:mohnen:MARYSE1:IMA:IUGS-REPORTS:IUGS-Reports:Report 1999- Weisburgh:Iugs report99.rtf

processes in the crust and mantle). CGM will give sponsorship to the Symposium on the Geology of Gemstones. WGME organises the Symposium on "Mineral Equilibria in Mantle Derived Rocks".

10.2. Special activities of IMA Cs and WGs during the M&M 4, Melbourne, Australia, December 4–7, 2000

The program of the CM, CNMMN, CCM, CHT sponsored meeting will embrace the three main aspects of Museum work (research, public program/exhibitions, teaching, collection development). Both oral and poster presentations are planned. Several field trips (Australia, New Zealand) will be organised. CGM will give sponsorship to the Symposium of Gem-related topics in honour of Ralph Segnit during the 4th M&M Conference.

*Other activities planned*

10.3. Commission on Ore Minerals

The next Short Course of COM (Ore and Environmental Mineralogy) will be held at the Geological Survey of Finland and at the Helsinki University of Technology in June, 2000.

10.4. Commission on Classification of Minerals (CCM)

In cooperation with the CNMMN CCM will discuss and elaborate the principles of the definition of "mineral groups". CCM will contribute the programme of the microsposium "Mineralogical Crystallography" during the European Crystallographic Meeting In Nancy (France) in August 1999.

10.5. Commission on Museums (CM)

The subcommission "Catalogue of the Type Mineral Specimens" (CTMS) will continue the compilation of data for additional 15 countries.

10.6. WG on Mineral Equilibria (WGME)

The WGME's main activity during this year is the organization of Symposium in IGC 31 on "Mineral Equilibria in Mantle Derived Rocks". There is a preliminary agreement with "Lithos" on publication of a Special Issue containing the most interesting papers submitted to the Symposium.

*10.7. Formal/administrative and PR activities:*

The next business meeting of the IMA Council and that of the WG on Inclusions in Minerals is intended to be held at the IGC 2000 in Rio de Janeiro/Brazil.

Four commissions of IMA (CNMMN, CM, CHT, CCM) will hold their business meetings in Melbourne, December 2000, during the M&M 4 conference.

11. SUMMARY BUDGET FOR NEXT YEAR (Affiliates should report only if requesting IUGS financial support):

The budget for the coming years will be discussed during the next IMA Council Meeting (August, 2000). No request for IUGS financial support for 2000.

12. POTENTIAL FUNDING SOURCES (INCLUDING NON MONETARY FINANCIAL SUPPORT) OUTSIDE IUGS (Affiliates should report only if requesting IUGS financial support):

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No request for IUGS financial support for 2000.

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