



MINUTES

**THE INTERNATIONAL ORGANIZATION OF
MATERIALS, METALS & MINERALS SOCIETIES (IOMMMIS)
Saturday & Sunday, September 9 & 10, 2000
Carlton Crest Hotel
Melbourne, Australia**

Alexander R. Scott, Secretary, presiding

Attendees:

*Donald Larkin, The Australasian Institute of Mining & Metallurgy
Zhong Zengyong, The Chinese Society for Metals
Jiang Junpu, Consultant of The Chinese Society for Metals
Anthony Kelly, Federation of European Materials Societies (Saturday portion only)
Yoshimasa Kajiwara, Japan Institute of Metals
Akio Fuwa, The Mining and Materials Processing Institute of Japan
Tara Chandra, representing ASM International
Y. Austin Chang, The Minerals, Metals & Materials Society*

Absent with regrets:

*Canadian Institute of mining, Metallurgy & Petroleum Engineers
The Nonferrous Metals Society of China
Hungarian Mining & Metallurgy Society
The Indian Institute of Metals
The Korean Institute of Metals & Materials
Mexican Academy of Materials
Slovak Metallurgical Society
The Iron & Steel Society
Institute of Materials*

1. WELCOME AND INTRODUCTIONS

The Council welcomed Professor Tara Chandra of the University of Wollongong who was representing ASM International. Tony Kelly, the FMS representative attended a portion of the Council Meeting but was unable to attend on Sunday.

2. REVIEW AND APPROVAL OF MINUTES FROM OCTOBER 1, 1999 MEETING

After review it was MOVED and VOTED that:

The minutes from the September 10, 1999 IOMMMIS Council Meeting be approved.

3. ORGANIZATIONAL/ADMINISTRATIVE MATTERS

3.1 Report of Council Members and Roster of Representatives

The Council reviewed and updated the current roster of Member Societies and their

respective representative. The Executive Committee roster was reviewed and updated with the following changes to comply with the bylaws.

- Zhong Zengyong of the CSM replaces Yoshimasa Kajiwara of JIM as the Vice Chairman for a three-year term 2001-2004.
- Yoshimasa Kajiwara of JIM becomes a Member-at-Large for a three-year term 2001-2004.
- Michael DeHaemer of ASM International is re-appointed to a Vice Chair position for a three-year term 2001-2004.

It was MOVED and VOTED:

To approve the election of Zhong Zengyong, Vice Chairman, Yoshimasa Kajiwara, Member-at-Large and Michael DeHaemer re-appointed as Vice Chair each for a three-year term 2001-2004.

3.2 Report on Financial Matters

Secretary Scott summarized the current financial status of IOMMMS, which has a \$9,088.88 US dollars balance as at July 31, 2000.

Member dues invoices for 2000 will be sent with the minutes of this Council Meeting and will be due by the end of this year 2000.

4. REPORT ON OLD BUSINESS

4.1 Status Report on World Materials Day

The Council reviewed the various reports from the Member Societies from the survey. The Council maintained its continuing support for the IOMMMS to take the lead in developing, promoting and implementing a World Materials Day.

It was agreed that this was an important project that must be done right to achieve great success. In order to do this properly a clearly defined "Business Plan" needs to be developed and approved by the IOMMMS Council. It also was recognized that the first year for implementation is realistically 2003.

In order to develop the "Business Plan" it was agreed to appoint a four (4)-member committee to draft the plan. The proposed members of the committee are:

Chair:

Bernard Rickinson, Europe

Members:

Michael DeHaemer, USA

Zhong Zengyong, China (to be assisted by Prof. Xie)

Yoshimasa Kajiwara, Japan

The committee is to prepare a "Business Plan" proposal for consideration and approval of the Council at its next scheduled meeting October 28, 2001. The proposal should recommend the date(s), activities in support of, budget for, expected outcomes, and measures for success.

See attachments to these minutes from the IOM and ASM International on a World Materials Day concept.

4.2 Report on Accreditation of Engineering Education

Dr. Kajiwara of JIM reported on the current status of engineering accreditation activities in Japan on behalf of both JIM and MMIJ. He distributed a comprehensive report outlining its current status and progress made over the past year.

It is clear that very positive progress has been made in Japan and that JIM and MMIJ are cooperating together to create an accreditation process in behalf of materials science and engineering curriculum. They are following the Accreditation Board for Engineering & Technology (ABET) model used in the United States.

See the attachment to these minutes for the complete report.

4.3 Discussion of Programs/Activities to Attract Students to a Career in Materials

The following reports were made:

AusIMM - Larkin

The AusIMM has the following programs/activities:

- recognizes courses
- provides scholarships
- student mineral venture program in which 40 students tour industry/mine sites over a two week period
- send speakers to provide minerals internships to universities and public schools
- assist with national work experiences/internships

MMIJ - Fuwa

The MMIJ is currently doing the following:

- the number of potential college level students has declined from 2M to 1.2M in the last three years. This causes more competition for quality students.
- developing promotional brochures to attract students to materials science and engineering degree programs
- good jobs are available in the field - needs to be promoted
- the materials science and engineering students upon graduation are going 20% to metals industry including iron and steel; 30% to economics/banking; 30% to automobile/aircraft/computers and 20% to non-technical jobs.

CSM - Zhong

The activities of CSM include:

- careers in materials science and engineering are very popular in China
- every technical university in China offers degrees in metals, ceramics and/or polymers
- the new developing technologies attract students to materials science and engineering
- metallurgical based jobs are facing difficulties. Females are not hired into metallurgical jobs; steel companies are cutting back their number of new hires each year; metallurgical positions are held in lower esteem.
- need more universities with materials science and engineering programs
- about 50% of all high school students in China now go on to college level
- interesting fact that the mayors of the four largest cities in China have a metallurgy degree but this is changing

TMS - Scott

TMS has the following programs:

- new designed career booklet
- Career Resource Center web site <<http://www.crc4mse.org>>
- scholarship program providing about \$40,000 in annual scholarships
- large student chapter program at the college level

IOM - Rickinson

- see Item 5.1 of the October 1, 1999 minutes for report on the IOM activities

5. NEW BUSINESS

5.1 The Changing Role of Institutes in Response to Member Expectations

AusIMM - Larkin

Dr. Larkin made an excellent presentation entitled "Future Directions for Professional Associations." A copy of the overheads he used are attached to these minutes.

In the discussion it was noted this was a very worthwhile discussion and something that should be on future IOMMMS Council agendas. It was agreed this kind of information/experience exchange is a real benefit of IOMMMS membership.

5.2 GEXMN Group Review and Future

MMIJ Representative Fuwa recommended that the Global Extractive Metallurgy Network Group have as its primary focus the development and coordination of international conferences in the field of extractive metallurgy and minerals processing. This would lead to stronger conferences, avoid duplication and get broader support from Societies interested in extractive metallurgy.

It was further agreed to develop a listing of future conferences in the field by surveying the Societies with primary programming interest in extractive metallurgy and/or minerals processing. Mr. Scott acknowledged that he had the appropriate list of Societies to contact and would undertake the survey. Consideration will also be given to contacting the smaller Societies in Scandinavia and South America (Chile).

5.3 Future Cooperative Areas

Society Trends

It was agreed that each Member Society should submit a report at the 2001 Council Meeting outlining their experience/data in 2000 in membership; revenue and expenses; conference attendance; journal subscriptions. Also provide what they are doing on their web site and other electronic communication media.

Attracting Students to Careers in Materials Science & Engineering

It was noted this is a most important issue and something the IOMMMS again should be discussing and sharing ideas among the Member Societies and including in the World Materials Day concept.

Electronic Communication

It was agreed that the sharing of what each Member Society is doing with their electronic communications should be an agenda item for the next Council Meeting in 2001.

6. MATTERS INTRODUCED BY MEMBERS OF COUNCIL

6.1 Reports from Member Societies

Australlasian Institute of Mining & Metallurgy (AusIMM) - Larkin

Mr. Larkin distributed the following report:

- draft Strategy Plan October 2000 - September 2003
- revitalizing the AusIMM

- mud map
- By-laws
- sample AusIMM Bulletin
- AusIMM Annual Review 2000-2001
- brochure on "Enhancing Professional Excellence"

Federation of European Materials Societies (FEMS) - Kelly

The update report noted:

- FEMS now has 23 Member Societies with recent growth coming from several eastern European Societies. Many of the Societies are very small in membership.
- Their total budget is approximately \$60,000 US dollars of which the IOM (England) contributes \$20,000.
- FEMS represents the European movement to have a "Federation" of interested materials societies. It is similar to IOMMMS but only for Europe.
- the Junior EUROMAT Conference held in August for students is now one of its most successful activities. In 2000 they had 370 students and younger workers in attendance. Several eastern European students attended who were subsidized by the EEC. They recommend similar events be held in the US and Asia and perhaps could be tied to a World Materials Day. Also see attachment to these minutes.

The Mining & Materials Processing Institute of Japan (MMIJ) - Fuwa

Their report was distributed and is attached to these minutes. Representative Fuwa noted that MMIJ is interested in cooperating in conferences that deal with recycling and/or materials processing for new materials.

ASM International - Chandra

Professor Chandra distributed the report which is attached to the minutes.

Chinese Society for Metals (CSM) - Zhong

- CSM maintains its 100,000 members with two technical focus areas (1) iron and steel (mining, coking, alloys) and (2) metallic materials (processing and structures).
- steel production in 1999 was 120 million tons with 15 million tons imported
- they are developing and promoting company memberships and currently have 88 corporate members which provide 30% of their annual revenue
- the process to transfer responsibility for the metallurgical industries from the federal level to the state level continues and should be accomplished by the end of 2000
- they have embarked on several new initiatives which include:
 - organizing exchanges of management level personnel within the iron and steel industry
 - developing 100 experts to provide technical advice and counsel to the iron and steel industry
 - organizing a conference for top managers and CEO's of iron and steel companies to address new trends in that industry
 - organizing a conference on "Materials Applications" to address how to improve quality of materials and technical service of materials
 - the Chairmen (CEO) of the steel companies are Vice Presidents of CSM and serve on their Board of Directors

Japan Institute of Metals (JIM) - Kajiwara

Their summary report is attached to these minutes. Their major concern is the continuing decline in membership both individual as well as corporate memberships, which is having

a very negative impact on revenue causing staff layoffs. JIM and MMIJ are jointly developing a new archival journal in English for publication in 2001. ISIJ and the Foundryman's Society have also been invited to cosponsor.

The Minerals, Metals & Materials Society (TMS) - Scott

Copies of their Annual Report for 1999 were distributed along with an updated 'Fact Sheet' about TMS.

In addition Mr. Scott reviewed and distributed a report on member involvement in TMS, membership trends from 1988-1999, an age profile of TMS membership; comparison of membership trends among several materials related societies in the United States and university enrollment trends. Copies are attached to these minutes.

8. REVIEW AND ASSIGN ACTION ITEMS FOR FOLLOW-UP

See Action Items List attached to these minutes.

9. PLANS FOR NEXT MEETING

Beijing, China in conjunction with the International Steel Conference in late October.
Host Society: Chinese Society for Metals

IOMMMS Executive Committee (Breakfast Meeting) - Sunday, October 28, 2001
IOMMMS Council Meeting starting at 10:00 AM and concluding by 5:00 PM.

Technical and/or Social Tours will be organized for Friday October 26 and Saturday, October 27 depending on the meeting schedule. A social dinner would be scheduled on Saturday evening, October 27, 2001.

10. ADJOURNMENT

There being no further business the meeting was adjourned.

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FOLLOW-UP/ACTION ITEMS REPORT

MEETING OF: IOMMMS COUNCIL
DATE HELD: Saturday & Sunday, September 9 & 10, 2000

ITEM #	ACTION ITEM/TASK	WHO RESPONSIBLE	TIME FRAME
3.1	Confirm in writing appointments to IOMMMS Executive Committee	Scott	12/2000
3.2	Prepare Member Dues Invoices	Scott	12/2000
4.1	Prepare Business Plan for World Materials Day	Rickinson, DeHaemer, Zhong, Kajiwara	08/2001
5.1	2001 Agenda Item "Future Directions for Professional Associations"	Scott	10/2001
5.2	Survey Extractive Metallurgy Societies for Future Conference Plans	Scott	01/2001
5.3	2001 Agenda Item "Experience/Data in 2000 in Membership, Revenue & Expenses; Conference Attendance; Journal Subscriptions"	Scott	10/2001
5.3	2001 Agenda Item "Attracting Students to Careers in MS&E" and include in World Materials Day concept	Scott	10/2001
5.3	2001 Agenda Item "Electronic Communication"	Scott	