



*Minutes for Commission VI, Space and Society
26 March 2008 0830 – 1100 hrs*

Chair: *David Raitt*
Co-Chair: *Geoffrey Languedoc*
Secretary: *Peter Swan*

1. Welcome: Dr. Raitt called the meeting to order. There were 15 people in attendance. They were: David Raitt, Geoff Languedoc, Peter Swan, Roger Malina, Keiken Ninomiya, Bernard Foing, Cathy Swan, Susmita Mohanty, Ingemar Skoog, Richard Clar, Paivi Jukkola, Olga Bannova, Mustapha Masmudi, Gordon Whitcomb and Karl Doetsch. The meeting was adjourned on time at 1059.

2. Approval/Modification of the Agenda: The Commission VI agenda was approved by motion of members.

3. Approval of the September 2007 Hyderabad minutes: The Commission VI minutes from Sept 07 were approved by motion of members.

The formal report from Commission VI to the Academy SAC follows the minutes. When the topic is covered well, the reference will take the reader to the report to the SAC.

4. Report on Hyderabad sessions and related events: covered in SAC report. It was noted that with all the efforts of many members of the commission, we still do not have a representative from India.

5. Overview of Glasgow sessions and related events: covered in SAC report. One of the major discussions for the morning dealt with the administrative approach for abstract selection and then notification of the authors. It was suggested that the IAF send out two emails – 1 to the accepted authors explaining that they have a paper due by xxx (also a letter to rejected authors) and 2 – follow-up email that then gives authors the details of their paper selection such as full 20-min talk vs. interactive in such and such a session. This would ensure that the author had very solid rationale to hand to their funding sources and no identification as a “poster person.” This was then discussed multiple times in the next few days, with a satisfactory result on Thursday pm.

6. Progress on Korea sessions and events: covered in SAC report. The sessions for Korea were in the process of being refined and were to be submitted prior to next Monday. During the Thursday sessions, most of these issues were resolved. In addition, Roger requested help for the establishment of his yearly cultural event. He is looking for ideas and actual support for the activities in Korea.

7. Reports from current Study Groups: covered in SAC report.



8. Status of 3rd Space and Society Conference, April 2009, Ukraine: covered in SAC report. David Raitt and Pete Swan met with the Ukrainian group to discuss the activities necessary to kick-off the S&S portion of the joint conferences. The first step is advertising and the second is reviewing of the abstracts. Both of these are progressing nicely.

9. Relations with IAF Committees (Space & Society, Education & Outreach, Space Culturalization): covered in SAC report. The discussion led to the conclusion that new IAF S&S activities should be viewed as an opportunity vs. some type of threat to our commission. As such, David Raitt is a member of their committee and will pass along opportunities for individuals to become involved in new projects.

10. AOB

a- There was a large discussion on the fact that the commission needs new ideas for studies and symposia at the IACs. Some ideas that were put forth were: work force issues relative to the youth, youth involvement into the space arena, space tourism from the public's view, amateur scientists through email and the web, and clearing house for cultural impact of space. These could peak with sessions at the Prague IAC.

b- Roger proposed that the S&S aspects of Lunar activities (architecture, expectations, expenses) should be incorporated into the Lunar Symposium inside the IAC and at other locations. He will write up a proposal to support this and work with Bernard.

c- An action item will go out in email form to encourage all members of the commission to submit 5 specialist terms to our dictionary group. [I will ensure that 5 terms from the space elevator activities end up in their dictionary]

d- As many of our study groups are quietly coming to an end, and the reports are going to be written, there is a need for members of Commission VI to think of, and propose, new studies that can be supported across the Academy.

Peter Swan, Ph.D.
Commission VI Secretary



*REPORT OF COMMISSION VI TO THE SAC
Wednesday, 26 March 2008, Paris, France*

Commission VI meeting

The Commission VI meeting was held with a full agenda this morning (Wednesday 26 March 2008) and was attended by 15 participants.

Hyderabad sessions and related events

Within the 18th Symposium on Space Activity and Society (E5), Commission VI members organized five sessions for the 58th IAC in Hyderabad. All contained a variety of interesting papers and were well-attended. The technology transfer session was, unfortunately, one of those which suffered because of the celebrations which caused the afternoon sessions to be cancelled. However, since half the speakers did turn up, the session was held anyway (with good attendance) and the remaining speakers spoke in the rescheduled session later in the week.

In addition, Commission VI collaborated with Commission III on a two-part joint session called: Space Technology and Systems Management: Practices and Tools – which was also well-received and attended.

And Commission VI History Group of course, organized the History Symposia as well as a Plenary Session on the 50th Anniversary of the Space Era.

Commission VI members were also actively involved in organizing additional sessions in other, non-Commission VI, sessions such as Space Elevators and SETI.

Following the IAC, there was a three day Space and Culture Symposium in Bangalore co-sponsored by Commission VI. This event included a number of international and Indian presenters and was a great success. One outcome was the proposal by James Zimmerman to create a new IAF Committee on the cultural utilization of space.

Glasgow sessions and related events

At the IAC in Glasgow in 2008, the 19th Symposium on Space Activity and Society coordinated by Commission VI will comprise three main sessions:

- Innovating through Technology Spin-in and Spin-off
- Space Expectations – How the Public Views Space Activities
- The Architecture of Space

The latter two sessions are related to Study Group activities.

There has been an exceptionally large number of abstracts submitted for each session and it is expected to have three high quality sessions, as well as a very full Technical Interactive Session on Space Activity and Society.

Once again, Commission VI will collaborate with Commission III on a two-part joint session called Space Technology and Systems Management: Practices and Tools. A fair



number of papers have been submitted for these sessions and with the inclusion of a few transferred papers from the Innovating through Technology Spin-in and Spin-off session, then both parts of this joint session will also be full.

The 42nd History of Astronautics Symposium will take place under the auspices of Commission VI and there is a full complement of papers for the four sessions. A Highlight Lecture on the history of space sciences in the UK is being prepared. This symposium is also related to Study Group activities.

Commission VI members will also be involved once again in organizing additional sessions in other, non-Commission VI, sessions such as Space Elevators and SETI – again both related to Study Group activities.

An international symposium entitled Less Remote: The Futures of Space Exploration - An Arts and Humanities Symposium, co-sponsored by IAA Commission VI and organised by Arts Catalyst and Leonardo/OLATS, will run in parallel with the IAC.

Overview of 60th IAC Daejeon sessions

Within the 20th Symposium on Space Activity and Society, Commission VI has proposed three main sessions:

- Technology Transfer Trends
- Space Expectations – How the Public Views Space Activities
- The Architecture of Space: New Frontiers of 21st Century Space Architecture and Entrepreneurship for a New Generation of Explorers

In addition, a Technical Interactive Session on Space Activity and Society is also planned.

The History Group has also proposed four sessions within 43rd History of Astronautics Symposium. These sessions relate to Memoirs; Organizational Histories; Scientific and Technical Reviews; and History of Korean Contribution to Astronautics.

Since 2009 will be the International Year of Astronomy, there will also be a joint session organized by IAA Commission VI and the IAF Space Education and Outreach Committee which will cover such topics as the astronomical beliefs and myths of different cultures, the contribution of astronomical instruments and discoveries to spin-offs to benefit society, and the role and place of observatories and planetariums in the local community.

Reports from current Study Groups

6.3 Interstellar Message Construction

... is an outgrowth of SETI activities dealt with in Commission I. The group is working toward completion of the study by March 2008, and a white paper consisting of comments and recommendations will be produced.

6.4 History

... this SG was earlier pronounced closed, but queries from the IAA Secretariat have revealed that some additional clarification was required. The final report is available on the IAA Web site and will be published as a CD to accompany the year 2000 volume of the



History of Astronautics proceedings which is expected to be published during Spring 2008.

6.5 Space Arts Database

... this SG was also earlier announced as closed with a final report prepared. However, the IAA Secretariat appear not to have received this report. The IAA proposes to publish the database as a book and make it available in Glasgow.

6.7 50th Anniversary of the Space Era

... the activities of the History SG activities continue space with the History of Rocketry and Astronautics (Proceedings of the 33rd IAA History Symposium, Amsterdam, The Netherlands, 1999) being published. Recommendations for securing and increasing sales of history symposia publications have been made. A set of ideas and proposals have been collected for the history celebrations of the 50th anniversary of the IAA in 2010 and is being circulated form review and comments before being submitted to the IAA. SAC/BOT approval is sought before the Glasgow meeting.

6.8 Space Expectations

... is on track with already nearly 1500 responses from all over the world due largely to the translations being available in six languages. The plan is now to keep the survey going as long as possible, but to finalize it by October 2009 when a formal summary of the Study will be made available. A number of abstracts relating to the study have been submitted for the Glasgow IAC.

6.9 Architecture of Space

... has appointed new Chairs and is expected to complete its work by end 2008 with a white paper being issued in January 2009. A set of draft recommendations for various modules (human factors, simulator, tourism, education, commercialization, art) has been drawn up. Attention is also being focussed on developing definitions and terminology for the Multilingual Space Dictionary. It is expected to hold the final meeting of the SG in Glasgow.

6.10 50th Anniversary of the Space-Era Edition of the IAA Multilingual Dictionary

... is the continuation of the effort to produce a comprehensive, multilingual dictionary (lexicon) of space terms with an expansion of terms defined amounting to 3.000 and the number of languages brought to 23 from the current 19. The target completion date is Spring 2010.

Although the SG is ongoing, it may be closed at the end of 2008 (because the 50th anniversary of space has now passed) with a new Web-based SG being initiated in its place.

6.11 Space System Engineering Education

... the work of reviewing and listing system engineering capabilities in companies and assessing university education programmes in the field has continued. There is a growing number of companies and universities included in the database and analysis. The work of the SG is expected to be completed by November 2009.

Status of 3rd Space and Society Conference

The 3rd Space and Society conference will take place in parallel with the 2nd conference on Advanced Space Technologies for the Humankind Prosperity in Dnepropetrovsk, Ukraine from 15-17 April 2009. This conference is already held under the aegis of the IAA and the organizers will drop their existing Space and Society theme, provided there is no overlap



in technical papers between the two conferences and their other themes. The organizers will handle both conferences as one, although a small programme committee would be established to review the abstracts of the Space and Society conference, which has as its topic Space: The Human Dimension.

Relations with IAF Committees

The IAF established a number of new committees during the 58th IAC in Hyderabad – two of which are very relevant to Commission VI since they appear to encroach into its domain. The two committees in question are Space & Society and the Cultural Utilization of Space. An existing committee - Education and Outreach – also covers topics of interest to Commission VI. Concern was felt amongst the leadership of Commission VI that topics which had typically been covered with the IAA were now being adopted by the IAF and if these committees were also to propose symposia, sessions and plenaries at future IACs, then a good liaison must be established between the IAF and IAA, particularly Commission VI, to ensure that there is little overlap between Commission activities and those of the IAF committees. To this end, it was proposed, and accepted, that the Commission VI chair should be a member of these committees and work with them to propose joint sessions for Korea and beyond. The Paris meeting of the IAF Space and Society committee which was attended by the Commission VI Chairman proved, in fact, that there would seem to be no real overlap in activities at this early stage and the scene was set for a good cooperation.

David Raitt
Chairman, Commission VI