

Present:

Chairman – Peter Swan (USA)

Vice Chairman – Geoffrey Languedoc (Canada)

Secretary – Olga Bannova (Russia)

Mr. Languedoc commented on commission membership appointment process: Recent discussions on membership process. From top down vs. back and force process between commission and IAA leadership. Past chairs should be voting members of commission – everybody agreed.

1. Welcome: Dr. Swan called the meeting to order. There were 16 people in attendance: The meeting was started at 9:30.
2. Approval/Modification of the Minutes: The Commission VI Minutes was approved by motion of members.
3. New Commission VI officers. Peter, Geoffrey and Olga introduced themselves.
4. Progress on sessions and events for Korea:
 - a. History sessions – all sessions are fine.
 - b. Space activities and society – 4 sessions are covered. 3 sessions look fine, papers and presentations submitted. Session 3 has half papers submitted.
 - c. Joint session with D4.2 is fine.
 - d. SETI group – 10 papers submitted
 - e. Space & technology – is a joined session. Comment: Bernard – it was suggested that it would be good to know who is organizing sessions & who is responsible. Agreed. A table showing who was responsible would be of interest.
5. Progress on sessions and events for Prague: IAA 50th anniversary – history group has to be involved. Comm. VI supports the idea that the lead should include the permanent history study group.
 - a. History has 4 sessions. A keynote speech can be proposed.
 - b. Dr. Raitt suggested 3 sessions on Space Expectations + interactive.
 - c. 2 sessions submitted on Space Architecture.
 - d. Dr. James Burke initiated discussion on how to replenish and replace current workforce. (based on October 10th meeting of Space Generation). What is needed in the future was discussed at that meeting (KAIST works with NASA on preparing graduates to work in the future). STEM is known

but in the future more will be needed (e.g. SArch.) Space Generation proposed to write a paper as a result of the meeting. It was noted that Space Education session has space workforce development session.

- e. Commission VI agreed to support topic on Water in space (see Commission VI e-mail correspondence) It is tied to space activities and a good topic to support. It is suggested that students from the ISU can execute on a project, leading to student papers. ITACCUS will have a meeting where they discuss space and water topic (Wed. October 13th).

6. Progress on proposing sessions and events for South Africa:

- a. History group will have 3 or 4 sessions.
- b. Space Activities and Society will have 3 or 4 sessions.
- c. Space and sustainability topic was proposed (Astrobiology can be part as related to sustainability in space) Karl Doetsch can work on that. Cathy Swan suggested Green Space – it can be broader. Space activities should be dispersed around the world as it was discussed last year. We have 2 years to work – we can massage the message and if we start now we can develop that on time. Action for white paper [Doetsch, Vokoch, Swan]
- d. Having a plenary activity was suggested. We may consider darkest Africa countries to be involved. There are terrific opportunities there in education from space. Encourage representatives from interior Africa in sessions in South Africa. We should involve some African representatives. Half a page idea should be submitted in a month from the time of the meeting. Commission VI should suggest a plenary, symposium or session. It can be in a Call for Papers format. Action for white paper [Bernard Foeing, Doug Vakoch and James Burke].
- e. An e-mail will be send to all members and Commission VI friends giving 1 month for proposing activities and 2 months for study groups and new ideas submissions.

7. Reports from current Study Groups:

- 6.3 Interstellar Message Construction. A set of essays and recommendations will be written that can be basis for a document that will be submitted to the Academy. The goal is to have specific recommendations that promote additional studies. Report should be ready for peer review for Prague.
- 6.7 50th Anniversary of Space Era. 2002- 2004 proceeding are at the publisher. SG has reports on the web, completing history SG work for last 4 years. It is the only SG that has permanently published work. Study Group suggested it take a snapshot of what was going on during the year 1960 for IAA 50th anniversary. (American Ranger, Soviet Mars exploration effort, etc.). It was an interesting space year and a lot of things were happening (e.g. Eco balloon and First navigation satellite was launched). Year of 1960 can be used as a theme compared to 2010 as well to show evolution. This concept could be a major part of the history celebration of the Academy.

- 6.8 Has a status on the webpage and is progressing towards a Dec 2009 completion. A final paper that will be presented on the subject will be a final report for the IAA. The website will be transitioned to ownership by the Space G. This will enable the next generation continue taking the survey and it will be open up the data for academia to exploit.
 - 6.10 50th Anniversary of the Space-Era Edition of the IAA Multilingual Dictionary. Chinese-English, Indonesian-English and Irish-English parts are complete. Publishing or creating CDs requires additional funds. A suggestion is that a printed invitation to the data site be included in a participant kit for Prague. That invitation can be also mentioned on an IAC 61 CD. Invitations should be printed in all 20 languages. That has to be proposed to IAA secretary.
 - 6.11 Space System Engineering Education. The progress of this SG is not as fast as it was expected.
8. AOB
- a. Commission VI will have few study groups still working by the time of the Prague IAC. New ideas are needed.
 - b. History SG should move to the new permanent SG and the transition should be logical and timely.
 - c. Lunar laser reflectors SG proposal is tentatively approved [for vote by 10 members must be accomplished soon] because its subject is related more to social topics than to science and it can be part of Commission VI.
 - d. New proposal on extraterrestrial activities will be presented in Paris at IAA meeting. Proposal is ready.
 - e. "Human exploration and why should we explore?" topic was proposed. Discussion on that study group is open and can be concluded in Paris in March 2010.
 - f. Climate change study group looking from a long-term universal point of view and proposed solutions. This study can be a cross-study between 3 commissions. Action [Vococh, Swan, Burke, Doetsch]
 - g. Other suggestions should be e-mailed to Commission VI Chairs.
9. Dr. Swan concluded the meeting at 12:00.

All the best,

Olga Bannova,
Commission VI Secretary

Attendees [Swan, P; Languedoc; Bannova; Foing; Swan, C; Jung; Ninomiya; Rothmund; Liepack; Burke; Doetsch; Vakoch; Boles; Moulin]