

## SCOSTEP Bureau Meeting Minutes

**Day 1:** 09:00 – 17:30, March 5, 2006

**Location:** Room G, Hotel Gloria, Rio de Janeiro, Brazil

**Attendance:** M. Geller (President), S. T. Wu (Vice President), J. Allen (Scientific Secretary), S. Avery (former member, URSI), S. Basu (CAWSES), M. Candidi (member, SCAR), R. Fujii (member, COSPAR), N. Gopalswamy (new member of IAU starting August 2006, participated the afternoon session), C. Hanuise (new member, URSI), B. Schmieder (member, IAU), T. Tsuda (member, IAMAS), J. Pap (guest), R. Vincent (guest), G. Lu (Acting Scientific Secretary), C. Hanchett (Secretary), P. Kaufmann (guest, Chair of STP-11 LOC, coming later in the session)

### 1. President's Opening Remarks

President Marvin Geller opened the first day Bureau meeting with welcome to the Bureau members and guest attendees. Each participant announced his/her name and affiliation. Geller introduced new Bureau members from IUPAP (Sandra Chapman, not able to attend), IAU (Natchimuthukonar Gopalswamy), and URSI (Christian Hanuise). Geller then briefly gave an overview of the agenda items. The agenda was approved as proposed, with minor changes so some items on Day 2 were discussed on Day 1 (e.g., Items 15, 16, and 20). In addition, Item 4 was not discussed since there was no report from the 2005 Bureau meeting due to some technical (Allen's computer disk crashed on which the original meeting notes were stored) and logistical (Allen's move from Boulder to Texas during last year) difficulties.

### 2. Election of SCOSTEP officers at the next General Council Meeting in 2007

The terms of current president and vice president will end in 2008. Geller suggested that letters to be sent to SCOSTEP Adherent Representatives and Scientific Disciplinary Representatives as well as to all Bureau members for nominations of president and vice president candidates. Election of SCOSTEP officers will take place during the next General Council Meeting in Perugia, Italy in 2007.

### 3. New SCOSTEP Scientific Secretary and Honorary Membership

At the last Bureau meeting in May 2005 in Taipei, Joe Allen expressed his desire to retire due to health reasons from the SCOSTEP Scientific Secretary post, which he held since 1994. The Bureau unanimously confirmed Dr. Gang Lu as the new Scientific Secretary and accepted the offer made by Tim Killeen, Director of National Center for Atmospheric Research, to host the SCOSTEP Secretariat Office.

In order to honor Joe Allen's long-time distinguished service to SCOSTEP, the Bureau unanimously passed the motion to present him with the SCOSTEP Honorary Membership, the highest award given by SCOSTEP.

#### 4. Report on CAWSES

Sunanda Basu presented a report on the CAWSES program. She highlighted some significant developments during the period of 2004-2006, including (1) the establishment of national and international CAWSES programs in several countries (e.g., Germany, Japan, India, and Brazil), (2) coordination of CAWSES observational campaigns in 2004, 2005, and 2006, (3) hosting of many CAWSES science and capacity building workshops in 2005 and 2006, and (4) publication of CAWSES Newsletters.

Joe Allen reported that as part of the CAWSES Capacity Building activity, two scientific comic books prepared by Y. Kamide were translated into English and 2000 copies (with 1000 copies for each of the two comic books) were printed last year, and about a total of 1000 copies were distributed. Geller also mentioned that an online version of the comic books may become available after some copyright related issues are being resolved.

The Galperin Memorial conference book was also printed and distributed during last year.

The follow-on discussion on the CAWSES program was centered on several important issues:

- (1) Changes in the CAWSES leadership – Basu expressed her desire to step down as the Science Steering Group (SSG) chair in 2006. The Bureau nominated Susan Avery to be the new CAWSES program leader, and Avery accepted the nomination. Avery and Basu agreed to work together during the 4-month transitional period from 1 April to 31 July 2006. Effective on 1 August 2006, Susan Avery will become the sole chair of the CAWSES program. The CAWSES Scientific coordinator Dr. Pallamraju will keep his association with the program until a suitable replacement is found.
- (2) Disbanding the CAWSES SSG – It was pointed out that due to the maturity of the CAWSES program, the role of the SSG has been diminished. The Bureau suggested to suspend the SSG activity during the transition period. Geller will draft a letter to the SSG members to inform this change and acknowledge their service in the past.
- (3) Future planning for CAWSES – The Bureau suggested to form the CAWSES Phase 2 Planning Committee which consists of Geller and Avery as Ex-officio, Brigitte Schmieder, Lev Zelenyi, and Chi Wang. Invitation letters will be sent to these individuals to become the planning committee members.

#### 5. New Scientific Disciplinary Representatives

Fifteen scientific disciplinary representative positions appointed in 1999 will be vacated in 2007. Bureau members have nominated several potential candidates with the consideration of balanced representation in both scientific expertise and geographic locations. A preliminary list of the new scientific representatives was discussed, and will be further refined in the coming months. Schmieder and Tsuda are the sub-committee members who will make the final recommendation of the new Scientific Disciplinary Representatives to the Bureau.

## 6. Support for the SuperDARN project in Russia

Christian Hanuise presented a request on behalf of the SuperDARN (Super Dual Auroral Radar Network) community regarding the expansion of the SuperDARN into the Siberian section. The Bureau unanimously passed the motion to lend strong moral support for the Russian SuperDARN proposal, and SCOSTEP will send an endorsement letter to the Russian Academy of Sciences. A draft letter was being prepared by Christian Hanuise.

## 7. Support for MST-11

Geller presented a request on behalf of J. Roettger for SCOSTEP sponsorship of the MST (Mesosphere-Stratosphere-Troposphere) radar school to be hosted by the National Central University in Chung-Li, Taiwan, in January-February 2007. The Bureau agreed to morally support MST-11.

## 8. SCOSTEP Finances

- SCOSTEP budget reports for 2004-2006 were presented to the bureau members, along with projected budget for 2007. Since ICSU no longer gives out funds to SCOSTEP, no financial report to ICSU is required now.
- The 2006 SCOSTEP budget was approved.
- Income and subscription payment status for 2006 were shown, and nations in arrears were listed.

## 9. Preview of STP-11 Science and finances

- The STP-11 scientific program looked excellent
- Pierre Kaufmann expressed a very optimistic financial outlook for STP-11. He reported there will be more than 100 registered attendees, and the LOC was able to raise substantial funds to support the conference, with \$10,000 from UNESCO-Brazil, \$8,400 from CAPES, \$13,000 from CNPq, \$7,000 from INPE, \$12,000 from Sao Paulo State, and \$4,000 from McKenzie University. The latter three funds were used to support Brazilian students and scientists to attend the STP-11 conference.

## 10. A working lunch at the meeting room and a dinner in a Brazilian barbecue restaurant for the bureau members and guests were arranged by the SCOSTEP office

**Day 2:** 09:00 – 12:00, March 12, 2006

**Location:** Room G, Hotel Gloria, Rio de Janeiro, Brazil

**Attendance:** M. Geller (President), S. T. Wu (Vice President), M. Candidi (member, SCAR), R. Fujii (member, COSPAR), B. Schmieder (member, IAU), T. Tsuda (member, IAMAS), N. Gopalswamy (upcoming new member, IAU), C. Hanuise (member, URSI), J. Pap (guest), William Liu (guest, Canadian Adherent Representative), G. Lu (Scientific Secretary), C. Hanchett (Secretary), Joe Allen

1. Geller welcomed the Canadian Adherent Representative and ILWS Steering Committee Chair William Liu to the Bureau meeting since he was unable to attend the General Meeting on March 11.
2. William Liu reported briefly the ILWS workshop held in India in February 2006. He conveyed the request by the ILWS committee to seek scientific expertise from SCOSTEP to help foster close collaboration concerning data storage and dissemination/distribution from current and future space science observations. The Bureau suggested to form an ad-hoc committee to help William Liu to further explore the database/data service related issues. Christian Hanuise and Maurizio Candidi are appointed as the ad-hoc committee members, and Gang Lu at SCOSTEP and David Siback at ILWS-US will be the contact points. Liu also mentioned that Janet Kozyra will be the scientific adviser to ILWS-Canada.

### 3. Subscription Due Structure

The Bureau members felt strongly that the current subscription rates are outdated. A subcommittee is formed, consisting of S. T. Wu, R. Fujii, K. Labitzke, to develop a new due structure that will serve (1) to attract a wider participation and (2) to be fair with respect to the economic status of individual countries. The subcommittee will make its recommendation to the Bureau before the next Bureau meeting in 2007.

### 4. ICESTAR and SCAR reports

Maurizio Candidi requested the co-sponsorship of scientific sessions at the 2nd SCAR meeting in Tasmania, Australia, on 12-14 July 2006 and at IUGG in Perugia, Italy, during 2-13 July 2007. He also sought SCOSTEP participation at space agencies' round-table meeting during the COSPAR meeting in July 2006 in Beijing. Geller suggested William Liu to meet with other agency representatives at the COSPAR meeting.

### 5. Support for Radar School in Taiwan – MST-11

The Bureau agreed to morally support and cosponsor the MST-11 radar school to be conducted in Taiwan at National Central University.

### 6. Perspectives on STP-11

Geller reported that the STP-11 conference was very successful both scientifically and financially. There were 135 registered attendees from 26 countries. Geller emphasized that the success of the meeting was in large part due to the effort and hard work by the LOC. He expressed his appreciation to Pierre Kaufmann, Chair of the LOC. Official Letters of Appreciation will be sent to the various funding agencies in Brazil as well as to local organizers. Some lessons are also learned, as Pierre had pointed out during the General Council meeting, in terms of improving the advertisement and promotion for future STP conferences.

7. STP-12

Several options are currently being considered for STP-12: (1) a joint meeting with IAGA in Hungary in the summer of 2009; (2) Oleg Troshichev made an oral offer to host the STP-12 conference in St. Petersburg. Geller has asked Oleg to present a formal proposal with more detailed information about the funding resources and meeting facilities; (3) a separately organized STP-12 in Hungary. Judit Pap will give a more detailed report on Option (3) at a later time.

8. The Bureau unanimously passed the motion to have a joint SCOSTEP and Japanese International CAWSES Symposium (proposed by Ryoichi Fujii) in Japan in 2007. Marvin Geller and Susan Avery will be the SCOSTEP contacts regarding this matter. The Bureau also voted favorably on the request by Shoichiro Fukao for the endorsement of the International Symposium on Coupling Processes in the Equatorial Atmosphere (CPEA Symposium) to be held in Kyoto on 20-23 March 2007.

## SCOSTEP General Meeting Minutes

**Time:** 09:00 – 12:00, March 11, 2006

**Location:** Room G, Hotel Gloria, Rio de Janeiro, Brazil

**Attendance:** M. Geller (President), S. T. Wu (Vice President), M. Candidi (member, SCAR), R. Fujii (member, COSPAR), B. Schmieder (member, IAU), T. Tsuda (member, IAMAS), N. Gopalswamy (new member, IAU), C. Hanuise (member, URSI), P. Kauffman (Brazil Adherent Representative), K. Labitzke (Germany Adherent Representative), A. Prigancova (Slovakia Adherent Representative), Z. Nemecek (representing Czech Republic), A. Petrukovich (representing Russia), N. Ostgaard (guest), J. Pap (guest), Y. Yermolaev (guest), G. Lu (Scientific Secretary), C. Hanchett (Secretary)

### 1. President's Opening Remarks

The General Council meeting started with a self-introduction by all attendees. President Marvin Geller welcomed everyone, and then went over the draft agenda for the General Council meeting. Geller made remarks on the just concluded STP-11 Symposium, pointed out that the meeting was very successful both scientifically and financially.

### 2. Status Report on SCOSTEP since the 2005 Taipei General Council meeting

Geller reported the appointment of the new SCOSTEP Scientific Secretary, Dr. Gang Lu, by the Bureau. Gang Lu is a research scientist at the National Center for Atmospheric Research (NCAR) in Boulder, USA. Geller also notified all members that Joe Allen has been made the honorary member of SCOSTEP in order to honor Joe Allen's longtime distinguished service to SCOSTEP. The SCOSTEP also accepted the kind offer by Tim Killeen, the Director of NCAR to host the SCOSTEP Secretariat Office. The relocation of the SCOSTEP office will be carried out after all logistical issues are being resolved. There are also changes in Bureau members. New members from IUPAP, IAU, and URSI were introduced. Geller also solicited members' inputs on new Scientific Disciplinary Representatives which should have an overall balance of geographic locations as well as scientific expertise.

Geller gave an update on the CAWSES program. The Bureau was satisfied with the overall progress of the CAWSES program, although the different themes under CAWSES have been proceeding at different rates. Due to the maturity of the program, Geller informed participants that some changes in the CAWSES leadership are being planned, which include (1) Sunanda Basu and Susan Avery become co-chairs of CAWSES from 1 April to 31 July 2006, and effective 1 August, Avery will be the sole chair; (2) the CAWSES Scientific Steering Committee will be dissolved; instead, the CAWSES Phase 2 Planning Committee consisting of Geller and Avery as Ex-officio, Brigitte Schmieder, Lev Zelenyi, and Chi Wang will be formed to help advance CAWSES beyond 2008. Geller thanked Sunanda Busa for her dedication and hard work during past few years that had made CAWSES a very successful international scientific program.

Geller reiterated that SCOSTEP is a legally incorporated but financially separate entity of ICSU, and it is registered in the State of Colorado as a nonprofit organization. ICSU is not responsible should SCOSTEP incur any debt. Geller pointed out that ICSU has discontinued its grants program.

### **3. SCOSTEP Financial Report**

The SCOSTEP 2005 financial report and 2006 budget outlook were presented to all participants. Geller again pointed out that due to the successful effort of the Local Organizing Committee led by Prof. Pierre Kaufmann in obtaining financial aids from several Brazilian agencies, the SCOSTEP cost for the STP-11 was less than what had been budgeted. These extra savings will allow SCOSTEP to spend more money in support of CAWSES related scientific projects.

Geller emphasized that the most important income of SCOSTEP is from the subscription fees by the adherent countries. He called for help to get adherent countries to pay their dues in a timely fashion. The Bureau agreed there is a need to update the due structure, and a subcommittee has been formed to formulate a new due structure that is fairer and also be attractive to more countries.

### **4. Presentations of National Reports**

- Pierre Kaufmann gave a report on the STP-11 meeting. He said several Brazilian agencies had made significant financial contributions to the meeting. Besides being a very successful meeting, Kaufmann pointed out that there were several aspects in organizing this meeting that could be improved in the future, which would have made the STP-11 more economically beneficial and attracted more participation from South American countries. Geller expressed his appreciation to the LOC and to Pierre Kaufmann for their hard work which made the STP-11 meeting a great success.
- Brigitte Schmieder presented on behalf of Cristina Mandrini (who is the SCOSTEP Scientific Disciplinary Representative from Argentina) to request SCOSTEP sponsorship of the Space Weather School to be held in Buenos Aires in August or September 2006. Mandrini also requested for some financial support from SCOSTEP to help students from other Latin American countries to attend the workshop. Questions were raised by some Bureau members whether SCOSTEP should provide such a financial support since Argentina is currently not a subscribed member country of SCOSTEP. The Bureau strongly encouraged Argentina to consider rejoining the SCOSTEP family as adherent.
- Zdenek Nemecek from Czech Republic reported some CAWSES related activities taking place in Czech, including ground observations of the solar corona, participation in the SOHO mission, numerical modeling of the solar wind and solar magnetic field, participation in the Spectr-R project (a joint effort with Charles University and the Space Research Institute in Moscow) on Space Weather related research, and observations and modeling of ionospheric dynamics as well as studies of long-term trends in the atmosphere-ionosphere system and solar impact on climate.

- A brief report was given by Brigitte Schmieder on CAWSES related Solar-Terrestrial research activities in France. She pointed out there are about 200 researchers in about 10 laboratories throughout France who are actively involved in solar physics and space plasma physics. The main research topics include solar magnetism and its impact on the heliosphere; coronal heating and solar wind acceleration; interaction of the solar wind with the magnetosphere; magnetospheric dynamics and geomagnetic storms; magnetosphere-ionosphere coupling; ionosphere-upper atmosphere coupling; and space weather. SCOSTEP is represented in France by a national committee (CNF-SCOSTEP) which is closely linked to the PNST. The French national committee will also participate in the organization and celebration of the IHY.
- Toshitaka Tsuda asked for SCOSTEP sponsorship to the International Symposium on Coupling Processes in the Equatorial Atmosphere (the CPEA Symposium) to be held on 20-23 March 2007 in Japan. Ryoichi Fujii presented a proposal for organizing an International CAWSES Symposium in Japan in 2007. The Symposium will also be in conjunction with the celebration of Prof. Kamide's retirement. The Bureau expressed its enthusiastic moral support for both symposiums.
- Representing Russia, Anatoli Petrukovich reported that the Academy Sun-Earth Council, which is a permanent advisory cross-institutional body, is chaired by Prof. G. Zherebtsov (Director of ISZF, Irkutsk), with V. Obridko as the Vice Chairman and G. Kotova the Secretary. This council is analogue to SCOSTEP in Russia, and it also coordinates the Russian participation in IHY. Petrukovich also reported that there is a special funding program by Russian Academy for solar-terrestrial sciences. It currently provides annual but renewable funds to thematic researches closely related to CAWSES although Russia at present time does not have a regional CAWSES program.
- Alina Prigancova from Slovakia gave an updated report on STP-related activities in Slovakia. She pointed out there are very active ground-based observations of the Sun by a number of institutes. Slovakia is also actively participating in several ESA-led satellite missions. In addition, studies on geomagnetic effects continue to be one of main research components in Slovakia.

## **5. Date and location of next General Council meeting**

The next General Council meeting will be in conjunction with the IUGG meeting in Perugia, Italy, on 2-13 July 2007.