



International Union of Radio Science U.S. Commission B

Please reply to:

P. L. E. Uslenghi, Chair
R. J. Pogorzelski, Vice-Chair
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MINUTES Commission B Business meeting
National Radio Science Meeting
Salt Lake City, UT
July 17, 2000

1. The meeting was called to order by Chair P. L. E. Uslenghi at 17:35 hrs. He welcomed all members and guests. Attendance list is provided at the end of the minutes.
2. The minutes of the January 6, 2000 meeting of Commission B held at Boulder, CO were approved with minor corrections. It was noted that the Boulder 2001 meeting dates were changed after the Boulder Commission B meeting. The new dates are noted in the meeting section below.

Report from the Chair

3. The Chair announced that Prof. T. B. A. Senior was awarded the Antennas and Propagation Society's Distinguished Achievement Award. He also acknowledged Prof. A. A. Oliner, Hertz Medal Winner and thanked Prof. D. R. Wilton, the Past Chair of Commission B and presented him a plaque recognizing his past services to Commission B.
4. A report on the upcoming meetings was given. For report on the present Salt Lake City meeting, see TAC report below. A chronological list of proposed meetings with location and dates is given below.

National Radio Science	Boulder	January 8-11, 2001*
URSI EM Theory Symposium	Victoria	May 13-17, 2001 [#]
APS/URSI	Boston	July 8-13, 2001
APS/URSI	San Antonio	June 16-21, 2002
URSI General Assembly	Maastricht, NL	Late August 2002

APS/North Amer. Radio Science URSI EM Theory Symposium	Columbus Egypt	June 23-27, 2003 2004
APS/URSI	Monterey	June 20-26, 2004
APS/URSI	Washington DC area	June-July 2005
APS/URSI (joint with AMEREM)	Albuquerque	2006

* Abstracts must be submitted on the Web.

Deadline for submission is September 12, 2000.

The Walk-on sessions set for Thursday, AM at the present meeting, has a deadline of July 18, 2000. A hard copy of one page abstract is required for these sessions.

Committee Reports

5. D. Jackson presented the Technical Activities Committee report. The Committee members for 2000-2003 term are: N. Engheta; J. T. Johnson; T. K .Sarkar; J. T. Williams; and D. H. Y. Yang.

- A summary of the Commission B sessions and joint sessions involving Commission B at the 2000 Salt Lake City meeting was presented. There were 22 URSI B only sessions and 12 joint sessions with URSI B. Eight of these are joint with AP-S; three with AP-S and Commission D; and one with AP-S, Commissions A and D. There are several Special Sessions at the meeting involving Commission B. The details of the Special Sessions with organizers in parenthesis are as follows:
 - AP-S and URSI B/D session: *Advances on Microwave Theory and Applications of Wave (Photonic) Band-Gap Technology* (H. Y. David Yang)
 - AP-S and URSI B session: *Recent Developments in Theoretical Electromagnetics* (Nader Engheta)
 - URSI B session: *LGA (Low Grazing Angle) Rough Surface Scattering* (James C. West)
 - AP-S and URSI B session: *CAD Tools for Antennas and Microwave Circuit Modeling* (R. Mittra)
 - AP-S and URSI B session: *Future Directions of Wireless Revolution* (Kagoshima[Japan] and R. Mittra)
 - AP-S and URSI B/D session: *Multimedia Education in Electrical Engineering* (George Uslenghi and Magdy Iskander)
 - AP-S and URSI B session: *Reconfigurable Aperture Antennas* (J. K. Smith)
 - AP-S and URSI A/B/D session: *Ferroelectric Technology for Phased-Array Antennas* (J. Synowczynski, D. Patel and B. Gersten)
- The following special sessions (approved by TAC) involving Commission B are being organized for the Boulder 2001 meeting.
 - URSI B: *Rough Surface Scattering and Related Phenomena* (Gary Brown and Alex Maradudin)
 - URSI B: *High Frequency Electromagnetics* (P. L. E. Uslenghi)

- URSI B: *Photonic Band-Gap Materials and Devices* (H. Y. David Yang and R. Ziolkowski)
- URSI A/B: *An EMC Session* (title to be decided) (Chris Holloway and Sabrina Sarto)

- *D. Jackson invited members to contact him with ideas and suggestions for future special sessions. (djackson@uh.edu).*

6. R. Pogorzelski, Chair of the Membership Committee presented the committee report. The committee members are J. W. Mink, R. E. Collin, S. L. Dvorak and D. Wilton.

- His-Tseng Chou (Yuan-Ze University, Taiwan) was nominated for Full Membership. After some discussion regarding the nominee's affiliation, the nomination was approved unanimously. There were no other nominations.

7. S. Laxpati presented the current status of the Commission B membership database. There are 258 members as of July 1, 2000 in the database (of which 8 are known Associate Members). Only 100 members have been 'active' since January 1, 1997. This number rises to 166, if January 1, 1990 date is considered. The 'active' numbers are based on the attendance list of the past minutes of Commission B meetings. It was agreed that a letter should be sent to all members who have not attended a business meeting of the commission since 1990 and give them one year to attend a business meeting or present paper in a URSI-B Session. Otherwise, we will drop them from the membership.

8. D. Dudley informed the members that he was Chair of the IEEE EM Awards Committee and invited nominations.

9. Old Business: None.

10. New Business: Pogorzelski invited members to look out for potential members and encourage them to participate in Commission activities and invited more membership nominations.

11. The meeting was adjourned at 18:05 hours.

Guest Attendance List

Y. Antar (CNC/URSI), N. Champagne (Lawrence Livermore Lab), D. Erricolo (Univ. of Illinois at Chicago), E. Heyman (Tel Aviv Univ.), R. E. Jorgenson (Sandia National Lab), J. D. Kotulski (Sandia National Lab), D. J. Riley (Sandia National Lab), J. Van Bladel (Univ. of Ghent),

Members and Associate Members in Attendance

E. E. Altshuler, H. L. Bertoni, S. L. Borsch, G. S. Brown, R. J. Burkholder, C. M. Butler, R. C. Chou, R. E. Collin, W. A. Davis, D. G. Dudley, R. Dybdal, N. Engheta, A. W. Glisson, Jr., R.

C. Hansen, R. L. Haupt, A. Ishimaru, D. R. Jackson, R. Janaswamy, W. A. Johnson, L. C. Kempel, R. G. Kouyoumjian, Y. Kuga, S. R. Laxpati, Q. H. Liu, S. A. Long, R. J. Mailloux, R. J. Marhefka, K. Michalski, E. K. Miller, R. Mittra, R. V. Nevels, E. H. Newman, A. A. Oliner, K. E. Oughstun, H. Y. Pao, P. Pathak, L. W. Pearson, A. F. Peterson, M. Piket-May, R. J. Pogorzelski, Y. Rahmat-Samii, S. M. Rao, S. R. Rengarajan, E. J. Rothwell, T. Sarkar, J. B. Schneider, D. L. Sengupta, T. B. A. Senior, G. S. Smith, H. Steyskal, W. Ross Stone, W. L. Stutzman, J. S. Tyo, P. L. E. Uslenghi, K. Virga, D. H. Werner, J. T. Williams, D. R. Wilton, A. I. Zaghloul, R. W. Ziolkowski.

Respectfully submitted by

Sharad R. Laxpati

Secretary

December 14, 2000