



## International Union of Radio Science    U.S. Commission B

D. R. Wilton, Chair  
P. L. E. Uslenghi, Vice-Chair  
D. R. Jackson, Secretary

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**MINUTES    Commission B Business meeting**  
URSI / IEEE-APS Symposium  
Queen Elizabeth Hotel  
Montreal, Quebec, Canada  
July 14, 1997

1. The meeting was called to order by Chair Donald R. Wilton at 17:05 hours. The Chair welcomed all members and guests. A list of members in attendance is provided at the end of these minutes.

2. The new members of URSI Commission B were recognized, all of whom were elected to the grade of Member:

N. Engheta, Univ. of Pennsylvania  
T. Hansen, Rome Laboratories  
R. McGahan, Rome Laboratories  
K. Oughstun, Univ. of Vermont  
J. Schneider, Washington State University  
R. Shore, Rome Laboratories  
B. Tomasic, Rome Laboratories  
J. Williams, Univ. of Houston

3. All of the guests were individually recognized by the members in attendance. A guest list is provided at the end of these minutes.

4. The new officers of URSI-USNC Commission B were introduced. They are:

D. R. Wilton, Chair  
P. L. E. Uslenghi, Vice-Chair  
D. R. Jackson, Secretary  
R. Ziolkowski, Chair of Technical Activities Committee (TAC)  
A. Cangellaris TAC member  
R. Pogorzelski, TAC member  
D. Jaggard, TAC member  
J. Williams, TAC member

5. It was announced that Gary Brown is stepping down from his long tenure as the Chair of the Membership Committee for URSI-USNC Commission B. Ronald Pogorzelski will assume this position, and a new membership committee will be formed. Gary Brown is now the new Secretary of URSI-USNC.

6. The members expressed their sincere appreciation to Gary Brown for his dedicated service as the Chair of the Membership Committee.
7. Don Dudley was presented with a gift as recognition of his service as past Chair of URSI-USNC Commission B.
8. After the listing of the dates of the Boulder meeting were corrected, the minutes from the Baltimore meeting were unanimously approved by voice vote. The corrected dates are Jan 5-9, 1998.
9. The locations and dates (if known) of future URSI meetings were presented. They are listed below in chronological order. Contact information for future APS/URSI meetings is also indicated. Additional information can be found in the IEEE AP-S magazine.

USNC/URSI Boulder, Jan. 5-9, 1998

URSI EM Theory Symposium, Thessaloniki, Greece, May 25-28, 1998

APS/URSI Symposium, Atlanta, June 22-26, 1998 (Peterson, Wiltse)

APS/URSI Symposium, Orlando, July 11-17, 1999 (Christodoulou)

XXVI URSI General Assembly, Toronto, 1999

APS/URSI Symposium, Salt Lake City, 2000 (Iskander)

APS/URSI Symposium, Boston, 2001 (McGahan)

URSI EM Theory Symposium, Victoria, 2001

APS/URSI Symposium, San Antonio, 2002 (proposed) (Nevels)

10. Anthony Martin announced that the next AP-S/URSI meeting (Atlanta) will accept electronic submissions, and that a CD will be produced. Authors are encouraged to submit their summaries and abstracts electronically, in Word, PDF, or Postscript formats. The AP magazine will have instructions for abstract preparation and electronic submission (this should appear in the October issue). Information will also appear on the meeting Web site. Summaries and abstracts that are submitted in hard copy will be electronically scanned.
11. Ed Jull called attention to another conference of possible interest to Commission B members, the “Day on Diffraction '98”, to be held in St. Petersburg, Russia, from June 2-4, 1998. The home page of this conference is

<http://snoopy.phys.spbu.ru/~grikurov/dd98/dd98.html>

## 12. COMMITTEE REPORTS

a) Rick Ziolkowski presented the report of the Technical Activities Committee:

- The statistics for the 1997 APS/URSI Symposium were reviewed. There were 33 URSI Commission B sessions, including 28 regular sessions (241 papers) and 5 special sessions (50 papers). There were also 6 sessions that were joint with APS (50 papers) and 1 joint with another URSI commission (9 papers). The total number of URSI Commission B papers was 350; the total number of all URSI papers was 730. The five URSI Commission B special sessions, with names of the organizers, are listed below.

*Model Order Reduction for Rapid EM Field Simulations* (A. C. Cangellaris and J.-F. Lee)

*Image Reconstruction from Real Data* (R. V. McGahan and R. E. Kleinman)

*In Memory of Peter P. Sylvester* (joint with APS) (G. Pelosi and A. Konrad)

*Novel Trends in Electromagnetics* (joint with APS) (N. Engheta and P. L. E. Uslenghi)

*Frontiers of Mathematical Methods in EM* (joint with APS) (D. H. Werner and R. Mittra)

- It was mentioned that there are no special sessions for Boulder yet, and only one for APS/URSI in Atlanta (June 1998) on micro-electromechanical machines (MEMS) organized by P. L. E. Uslenghi. Suggestions for special sessions are solicited - contact a member of the TAC.
- The idea of having a post-deadline session (10 papers) at the URSI meetings was proposed. The abstracts would be selected by the TAC about two weeks before the conference. The abstracts would then be published in a separate addendum to the regular abstract booklet. A discussion followed, in which it was mentioned that the authors of these papers must be pre-registered. It was also noted that there is an element of risk to the authors that submit to this session, since only 10 abstracts will be accepted for presentation. It was mentioned that the authors could be asked to submit more than just the usual one-page abstract, to help assess the contribution. The general consensus was to try it and see how well it works. Coordination with AP-S may be needed.

b) Gary Brown presented the membership committee report. Prof. S. M. Rao of Auburn University was elected a Member of URSI.

## 13. OLD BUSINESS

The Chair gave a report on the URSI meeting at the XXV General Assembly in Lille, France, 1996.

- a) It was noted that Tom Senior was elected as President of International URSI. Chalmers Butler was elected as the Chair of URSI International Commission B, and Staffan Strom was elected as Vice Chair.
- b) It was reported that R. Harrington received the Van der Pol Medal, and Z. Popovic won the Koga Award.
- c) Y. Rahmat-Samii is the next Commission B Editor of the Review of Radio Science (Prof. Ando from Japan will be Commission B Editor for the disk).

## 14. NEW BUSINESS

a) The Chair reported on discussions held at the last USNC meeting:

- A discussion was held on the necessity of retaining the position of USNC Vice Chair. The vice Chair currently acts as treasurer and oversees the student paper contests, but these activities could easily be distributed to other officers. The Vice Chair position is also considered a training period for the Chair position. The motivation for eliminating this position is to reduce the time commitment involved in the succession from the Secretary to the Chair position. However, elimination of this position will reduce the number of URSI meetings that the Chair would be able to attend in an official capacity. Also, the USNC has a number of talented individuals, and it would be good to rotate the position frequently.

- It was announced that there is an open position for a member of the Joint Meetings Committee. Recommendations should be made to the Chair (Wilton).
- The student paper contest at the Montreal meeting was discussed.
- The two vacant Member-at-Large positions for USNC were discussed. No recommendations or nominations were put forth by the Commission.
- A discussion was held on the subject of whether the Boulder meeting is really necessary. It was noted that several other commissions are adamant about having more than just the summer URSI meeting. Also, the Boulder meeting gives us the opportunity to have a smaller meeting with fewer sessions and more interactions between commissions. Furthermore, the University of Colorado does not mind continuing as the host of this meeting. The consensus, then, was that the Boulder meeting should continue.
- A discussion of an URSI Web page for URSI-USNC Commission B was held.

b) The winners of the Raj Mittra Travel Grant Awards were announced. The Senior Researcher Award (\$1,000) went to Sergei Tretyakov of St. Petersburg State University, in Russia. Two Student Researcher Awards (\$750) went to Ladislau Matekovits of the Polytechnic University of Torino and to Stephanie L. Preston of Griffith University in Australia.

**15.** The meeting was adjourned at 18:05 hours.

### **Guest Attendance List**

Y. M. M. Antar (CNC/URSI Comm. B. Chair), Roberto Graglia (Polytechnico Torino, Italy), Ehud Heyman (Tel-Aviv Univ., Israel), Tamer Ibrahim (Ohio State Univ.), Edward Jull (CNC/URSI, ex officio), Michael Khayat (Univ. of Houston), Per-Simon Kildal (Chalmers Univ., Sweden), Ozlem Kilic (Comsat Labs), Jim LaPean (The Aerospace Corporation), Anthony Martin (Clemson Univ.), John Nehrbass (Ohio Supercomputer Center), Paul Rousseau (The Aerospace Corp.), Anton Tijhuis (Eindhoven Univ. of Tech., Netherlands), Kathleen Virga (Univ. of Arizona), JunHong Wang (Northern Jiaotong Univ., Beijing).

### **Members and Associate Members in Attendance**

C. E. Baum, G. S. Brown, R. J. Burkholder, C. M. Butler, K. C. Chen, R.-S. Chu, W. A. Davis, D. G. Dudley, S. L. Dvorak, R. Dybdal, A. El Sherbeni, N. Engheta, A. W. Glisson, R. L. Haupt, D. A. Hill, A. Ishimaru, D. R. Jackson, D. L. Jaggard, M. Kanda, R. E. Kleinman, D. A. Ksieinski, R. Lee, S. Long, R. J. Mailloux, R. J. Marhefka, R. E. McIntosh, K. K. Mei, E. K. Miller, R. Mittra, R. D. Nevels, D. P. Nyquist, A. A. Oliner, P. Pathak, L. Wilson Pearson, A. F. Peterson, R. J. Pogorzelski, Y. Rahmat-Samii, S. R. Rengarajan, R. G. Rojas, E. J. Rothwell, A. C. Schell, T. B. A. Senior, H. Steyskal, W. Ross Stone, W. L. Stutzman, G. A. Thiele, K. Umashankar, P. L. E. Uslenghi, J. L. Volakis, D. H. Werner, J. T. Williams, D. R. Wilton, A. I. Zaghloul, R. W. Ziolkowski.

David R. Jackson

Secretary, U. S. URSI Commission B  
December 5, 1997