

EMC Society Board of Directors Meeting

*The Sheraton Hotel
Chicago, Illinois
August 7 and 11, 2005*

THE PRESIDENT'S OPENING REMARKS

President Williams called the meeting to order at 10:00 am. A round of introductions was made. Members present included B. Archambeault, N. Carter, A. Drozd, H. Garbe, F. Heather, D. Heirman, L. Hill, D. Hoolihan, T. Hubing, E. Joffe, W. Kesselman, F. Maradei, M. Montrose, J. Norgard, J. O'Neil, S. Nitta, G. Pettit, A. Podgorski, R. Scully, D. Staggs, D. Sweeney, R. Wallen, and K. Williams. Members absent were C. Brench and M. Hatfield. Guests present included R. Goldblum, W. McGinnis, and F. Sabath. President Williams presented the meeting agenda and the consent agenda, which were approved by the Board.

PRESIDENT-ELECT REPORT

Andy Drozd spoke about comments received back from the IEEE as a result of the Five-Year EMC Society Review. He noted that the size of the EMC-S Board compared to the EMC-S membership level was higher than other societies. The Board needs to consider this for future planning. New ideas presented at the review included suggestions for increasing membership and having two symposiums yearly, among other ideas.

TREASURER'S REPORT

Treasurer Warren Kesselman briefly summarized his report. Regarding 2004 Operations, the final audit report has not been issued. No significant change is anticipated to the information contained in his May report (\$518,000 surplus). Regarding the 2005 Operations Forecast, the recent second quarter forecast review with IEEE projected a potential year-end operations deficit of -\$97,600. This is higher than the deficit forecast in the May report (-\$58,600). The reason for the difference is the



EMC Society Board member, Mark Montrose of Montrose Compliance Services, visited the busy Open Forum area of the Exhibition Hall in Chicago.

increase in the Transactions page budget to reduce paper backlog and the Transactions Digitization Project. The 2005 approved Periodicals budget net (which includes Transactions, Membership Fees and Periodical-related accounts) was \$261,000 and the forecast net is \$216,800. There may be some small additional income from the ASPP, but that calculation cannot be estimated at this time (it's a year-end adjustment). Also, both the forecast and approved operating budget do not include Market Fluctuation. The Market (+ or -) is only reflected after the close of operations on 31 December. (If 2005's market experience is a repeat of 2004's positive return, the projected 2005 deficit could be fully covered.) A forecast summary table was presented as part of the Treasurer's report. Regarding 2006 Budget Development, the second-pass budget received from IEEE projected a -\$34,700 net deficit. The first-pass budget submitted to IEEE contained a net deficit of -\$17,300. About \$10,000 of the difference between the two budget nets is in the Meetings/Conferences Cost Center and about \$7,000 is in the Transactions Cost Center.

SECRETARY'S REPORT

Secretary O'Neil noted that the minutes of the May 24, 2005 meeting in Tucson, Arizona were previously approved as part of the consent agenda.

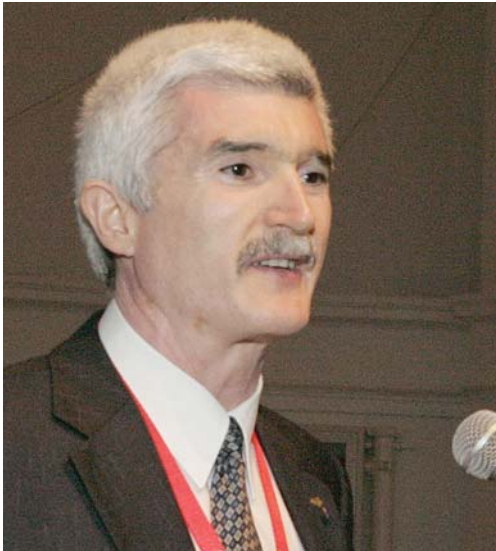
COMMUNICATION SERVICES

Ghery Pettit, Vice-President for Communication Services, presented his



PHOTOS BY KEN WYATT UNLESS OTHERWISE NOTED.

The EMC Society Executive Committee met during the Chicago Symposium. Members include EMC Society Board Officers (clockwise from left) Andy Drozd, President-Elect, Elya Joffe, VP for Member Services, Ghery Pettit, VP for Communication Services, Kimball Williams, President, Warren Kesselman, Treasurer, Todd Hubing, Immediate Past President, Barry Wallen, VP for Conferences, and Janet O'Neil, Secretary. Not pictured are John Norgard, VP for Technical Services, and Don Heirman, VP for Standards.



Elya Joffe of KTM Project Engineering spoke during the Awards Luncheon in Chicago.



Board members Kimball Williams of Denso International America (far left) and Bruce Archambeault of IBM (second from right) visited with Bill Strauss, Technical Activities Committee Chair (far right) and Finbarr O'Connor of Alion Science & Technology/R&B Laboratory during the Chicago welcome reception.

report. He summarized the activities involving the Newsletter and the Transactions. Janet O'Neil, Newsletter Editor, advised that the Summer issue is 60 pages and features an article by Dan Hoolihan about the Society's earliest symposia. The EMC-S anniversary logo is shown on the cover and references this article. There are two practical papers in this issue. The first is entitled "The Revised EMC Directive Versus the Current EMC Directive," by Frédéric Broydé and Evelyne Clavelier. The second is entitled, "Ageing of Shielding Joints Shielding Performance and Corrosion: Part 1 – Measurement Methods" by Lena Sjögren and Mats Bäckström. Frank Sabath joined our Newsletter Staff as an additional Associate Editor for Personality Profile. The EMCABS, Chapter Chatter, Board of Directors Activities, the Calendar section, and the President's Message are also included. The Standards section features an article about the recent CISPR meetings in Puerto Rico. Mr. Pettit then reviewed the report provided by Flavio Canavero, Transactions on EMC Editor in Chief. Regarding submitted papers, as of today, 124 new manuscripts have been submitted in 2005. This number exceeds the submission rate of 2003 and 2004. By the end of 2005, one can easily expect 200+ papers will have been submitted, in line with previ-

ous years submissions as shown below:

Number of New Submissions of Regular and Short Papers

Year	2000	2001	2002	2003	2004	2005 (as of Jul 31)
Number of manuscripts	106	110	130	160	187	124
Variation w/ previous year		+3.8%	+18%	+23%	+17%	

Transactions on EMC

Regarding the page count, during the June TAB Society Review meetings, a motion was approved encouraging Societies/Councils to utilize extra money (expected to come from 2005 strong sales of the IEL package) to address the backlog issues on publications by appropriately increasing the pages published this year. Normally, this money is distributed to periodicals at the end of the year, i.e., too late to utilize it. This year, the decision was anticipated, and the EMC-S could take advantage of this opportunity to eliminate the backlog of 50+ papers. In July, Professor Canavero received an authorization from the EMC-S President to use up to 1090 pages in 2005. This decision supersedes the previous approved budget of 750 pages for 2005. A summary of the printed pages over the years, and in 2005 follows:



Jim Blaba of L.S. Compliance visited with Board members Don Heirman of Don HEIRMAN Consultants and Warren Kesselman (from left) during the Chapter Chairman's Luncheon in Chicago. Jim is Chair of the Milwaukee Chapter.



Board member Francesca Maradei of the University of Rome, "La Sapienza" is the new Chapter Coordinator. She visited with Chapter Chairs during the annual luncheon, including Enxiao Liu of IHPC/Singapore (front right) and (back row from left) Brian Jones, EMC consultant, Frank Sabath of WIS, and Frank Leferink of Thales/University of Twente.



Speakers at the “EMC Fundamentals Tutorial” in Chicago included (from left) Bob Nelson of North Dakota State University, Board member Todd Hubing of the University of Missouri, Rolla, Clayton Paul of Mercer University, and Daryl Gerke of Kimmel Gerke Associates.

Transactions on EMC
Page Count Over the Years

Year	1999	2000	2001	2002	2003	2004
No. of printed pages	528	508	716	612	680	704

Estimated Page Count for 2005

Issue	Feb	May	Aug	Nov
No. of printed pages	212	200	270 (estimated)	400 (estimated, including final index)

In planning the page budget for future years, considering that the large backlog the EMC Transactions suffered in these last years will be absorbed by the end of 2005, Professor Canavero believes it is a good time to plan the page budget for the years to come.

He offered the following rationale for the page budget estimation:

- The number of submitted papers is now stable over the years, around 200 per year
- The acceptance rate is another stable parameter, whose value is 50% of the submissions
- The average number of pages per paper is 8, based on the published issues of the last years
- The partial count of pages needed to accommodate the regular papers of one year is 800
- It is important to consider again having a special issue every year from 2006 on, in order to continue the tradition of this journal; he proposes to allocate a fixed number of pages – 100 per year - (in the past, this was not implemented due to difficulties managing the page budget)
- 0.5% of the total page count must be reserved for cover pages, announcements, letters of EiC, list of reviewers, and indexes

Thus, the grand total for the page count is 950 pages/year. Regarding Rapid Posting, this procedure, for which there is no additional cost to implement, works by processing one article at a time. All accepted papers have been sent by now to the Publications Department. They have already started their process-

ing and are due to post each article to Xplore within 6 weeks. Papers are then printed in regular issues, according to a conventional waiting list based on the acceptance date. Professor Canavero activated this procedure on April 14th 2005, under the pressure of a growing backlog; however, even if the backlog will not be an issue in the future, it remains a great advantage for the authors, and for the technical community to have the paper available on the web well ahead of being printed. Mr. Pettit next reported for Ray Perez, chair of the IEEE Press committee. The report provides an updated status on the royalties. From January-December 2004, the royalties paid from EMC-S sponsored books totaled \$2,880.75. There has been no activity this past year on the proposal

received for a new book, Eli Recht (Israel): Electro-Optic Systems. Books in progress include Elya Joffe/Kai Sang Lock (Israel/Singapore): The Grounds for Grounding - Grounding from Circuits to Systems. The book is being written. Five Chapters of the book have been received and already independently reviewed. Feedback has been sent to the author. The balance of the Chapters should be received in 2005-2006, and reviewed in 2006. There are no books in production. Mr. Perez noted that his activity as the EMC-S IEEE Press/Wiley liaison has started again in May. A “call for authors” has been launched through the EMC-S TC-chairs. He initiated a personal request to obtain help from the TC-chairs to identify prospective authors among their members. The summer season has seen the realization of many months of productive work on behalf of IEEE Press. Last month a blue-ribbon committee of IEEE volunteers recommended a three-year plan for strategic development of IEEE Press. In a report accepted by the IEEE Publication Services and Products Board, the committee recommended that IEEE Press renew its co-publishing agreement with John Wiley & Sons. The committee’s report means that the IEEE will support an acquisitions program that builds on the success of IEEE Press’s strongest books series and emphasizes development of professional books that provide readers with an introduction to new technologies. They will seek to expand the network of IEEE volunteers who support IEEE Press, and communicate to prospective authors that they are actively seeking proposals for new books. Everyone can support this effort by encouraging authors to visit the IEEE Press web site at <http://www.ieee.org/press>, or to send an inquiry to ieeepress@ieee.org. IEEE Press Editor-in-Chief Mohamed El-Hawary plans to convene a September meeting of the IEEE Press Board to mobilize the volunteer community to support and implement the strategic plan.

STANDARDS SERVICES

Don Heirman, Vice-President for Standards, presented his report. Standards activity covers three major areas. The Standards Education and Training Committee (SETCom) chair position is vacant and a replacement is being sought, and the Standards Advisory and Coordination Committee (SACCom) chair Elya Joffe is resigning and he is looking for a replace-

ment. The Standards Development Committee (SDCom) continues to be chaired by Stephen Berger. Mr. Heirman reviewed the Standards Committee activity for the symposium week and will report on this in more detail at the Thursday Board meeting. Note many working groups will be meeting during the symposium week as well. He emphasized that the committees need additional volunteers to help on Standards activity. Several officer positions need to be filled. The committee is still considering that SETCom activity be under the Education Committee. For more information on standards, visit <http://standards.ieee.org/resources/glance.html>

MEMBER SERVICES REPORT

Elya Joffe, Vice-President for Member Services, presented his report. Bruce Archambeault gave a report on the EMC-S Awards. A "Special Recognition Award" will be given this year to recognize the 25th anniversary of the Japan EMC Chapter, founded in 1980 as the first Chapter established outside the US. Mr. Archambeault will hold a meeting on how to improve the Awards ceremony during the symposium week. As noted in Mr. Joffe's report, two exhibit spaces have been reserved for the EMC-S Membership booth and associated tables and material for EMC 2005. Volunteers from the local Chapter will be requested to run the booth. There are 4,075 active EMC-S members currently as of June 2005. The net is down 1.5% compared to about the same time in 2004. The membership breakout shows the following number of members: Higher Grade: 3,863 (-0.9%), Students: 208 (-10.3%), and Affiliates: 4 (N.C.). The SAMIEEE membership database shows that there are 4,091 active members. Total IEEE membership as of June 2004 is 337,333 (+0.9% over 2004 numbers). Student and Higher Grade membership increased in all non-US regions. Significant increases seen in Regions 8, 9, 10 were offset by decreases in US regions and Canada. 35 Senior Members have been processed this year. Mr. Joffe advised that the Distinguished Lecturer program was very active in 2005. Six talks have been held to date with 139 attendees. Seven additional presentations are currently pending approval. An average \$2,144.96 was spent per talk. The average cost per attendee is \$15.43. The DL policy revisions have been posted to the EMC-S web site and are now consistent with the revised policy in the EMC-S Handbook and Chapter guide. Regarding Chapter activities, Elya Joffe reported that he would attend the inaugural meeting of the Croatia Chapter scheduled for September 15-16, 2005. The Poland Chapter held their inauguration meeting on June 29, 2005, which Mr. Joffe attended. Australia is a new Chapter "Under Construction." Other new Chapter activity is underway in Sri Lanka, Bulgaria, Greece, Thailand, and Algeria. Regarding the Haislmaier Angel Fund, a \$500 request from the newly formed Croatian IEEE EMC Chapter was received to cover venue costs and logistics expenses associated with the inauguration meeting of September 15-16, 2005. The request was forwarded via the EMC-S Treasurer to IEEE for processing. Regarding future Chapter Chair Retreats, plans are underway for a Region 10 Chapter Retreat in conjunction with the EMC Zurich Singapore 2006 Symposium. This follows the success of the first Region 8 Chapter Retreat in Magdeburg, during EuroEM 2004 and is open to officers (or their representatives) of all IEEE EMC Chapters, at no cost to



Board member Dan Hoolihan of Hoolihan EMC Consulting (left) helped staff the ANSI ASC C63 booth during the Chicago Symposium. He visited with Tim Harrington of the FCC.

the EMC Society. A preliminary announcement will be sent out by end August 2005. A proposal has been made for a second Region 8 Chapter Retreat in Barcelona, Spain, hosted by the (relatively young) Spain IEEE EMC Chapter on September 11, 2006 in conjunction with the EMC Europe 2006 Symposium, again at no cost to the EMC-S. Mr. Joffe recommends initiating similar retreats in Regions 1-7 as well. Regarding the Fellow Search Committee, Heyno Garbe reported that a list of 6-7 potential Fellow candidates has been forwarded to him. He will initiate the nomination process for the candidates and contact them to obtain their curricula vitae. He will identify potential nominators who will prepare the application forms and contact them. In parallel, he plans to form an international Fellow Search Committee from members from around the globe within the EMC-S. Volunteers are welcome. The Fellow Evaluation Committee consists of five EMC Fellows, Bill Duff is Chairman, and members are representatives from industry (Bill Duff, consultant and Ernie Freeman, SFA), the government (Art Wall, recently retired from the FCC), a research institute (Hugh Denny, Georgia Tech Research Institute), and academia (Jose Perini, Syracuse University). There are five well-qualified candidates who were evaluated by the committee this year. Committee members did not serve as a reference for any of the candidates. The evaluations were submitted to IEEE prior to the June 15, 2005 deadline. Evaluations were confirmed to have been received by IEEE. The committee hopes to have three candidates elected to the Fellow Grade. Next, Todd Hubing, Nominations Chair, noted that there were nine nominees for the IEEE BOD this year, including Bruce Archambeault, Henry Benitez, Richard Ford, Heyno Garbe, Dan Hoolihan, John LaSalle, Elya Joffe, Ghery Pettit, and Todd Robinson. The schedule established for the EMC Society Board of Directors Election follows: To Printer: 22 July 2005, Mail Date: 15 August 2005, Election Due Date: 26 September 2005, Announcement of Results: by 3 October 2005. Fred Heather then advised that two surveys would be distributed at the Chicago symposium; one to exhibitors and one to attendees. The results will be shared at the November Board meeting. Fred is deriving the "lessons learned" from the previous symposium and is revising format and automated input methods to streamline data collections. Mr. Heather would like



Board members Francesca Maradei and Lee Hill of Silent Solutions visited during the annual luncheon meeting of Chapter Chairs in Chicago.

to have the survey results posted on the web for public access by members. Regarding the IEEE conducted Five-Year Society Survey, the Survey was launched several weeks ago and is under way. Currently there is a 15% online return. Mr. Joffe noted that Ken Wyatt is the EMC-S photographer. He will be present during the symposium week taking photos of various activities for preparation of the Fall 2005 issue of the EMC Newsletter. Mr. Joffe advised that Bill McGinnis did not submit a PACE report. Regarding the VI Symposium on EMC and Electromagnetic Ecology, in St. Petersburg, Russia, Mr. Joffe advised that this took place 21-24 June 2005. There was a 150% growth in attendance from 170 in 2005 versus 120 in 2003. The number of foreign members was double that of the last time. The official language was English, for the first time. Mr. Joffe attended and staffed the membership booth. He distributed much IEEE and EMC-S material. He noted that there was interest in membership, but credit card registration does not work in Russia yet. There was also interest in our Standards activities, and several members asked for the reports of the SACCom. EMC-S may also get a representative from GOST (their standards organization, which is not 100% harmonized with IEC/CISPR). A professional book publisher expressed interest in EMC books published by IEEE Press, and would like to explore the possibility to translate them into Russian and publish them with IEEE Press's agreement and contract. On the Transactions, the same publisher presented their local EMC transactions, and expressed interest in cooperating with the EMC-S in publishing papers in both Transactions, in both languages, English and Russian. Discussions began on the formation of a new Chapter in Hungary. Regarding Region 8 Membership Development, planned EMC-S co-sponsored symposia and membership development activities includes EMC Wroclaw 2006 in June, and EMC Europe 2006 in September, in Barcelona. Mr. Joffe will attend these conferences and represent the EMC-S with the membership booth. Regarding the Region 9 report, Mr. Joffe noted that the present focus is on establishing a Mexico Chapter with Dr. Valeri Ivanovich Kontorovitch Mazover and Dr. Roberto Linares (anticipated Chapter Chair) leading the process to get the required number of signatures for the petition form. Activity has been shown in Argentina. In Mexico and other Sections, only a joint Chapter

can be formed as they have less than the necessary 12 members to form a Chapter independently. If developments are favorable, and sufficient progress is made, Mr. Joffe is considering traveling to Mexico in the hope that this may help in finalizing the formation of a Chapter in Mexico. Regarding Region 10 and the Australia Chapter formation, petition signatures are in process. Ten names from the Victorian Section and six names from other states have been received, but the local IEEE administrator is reluctant to agree to an inter-section Chapter. Attempts will be made to recruit two more members from the local section. Failing that, a joint Chapter may be formed. Regarding the Thailand Chapter, the petition is still short two signatures. Regarding Chapter formations in India, difficulties remain in establishing a "central Chapter" due to delicate "territorial" issues. Planned symposia and membership development activities include EMC Asia, Taipei, in December 2005 and EMC Zurich in Singapore, in February 2006. Mr. Joffe reported that no progress has been made to date on the program to provide financial assistance to disadvantaged engineers. Activity will be initiated after the August Board meeting, in preparation for the 2006 Symposium. Mr. Joffe noted that he would hold membership development task force meetings in conjunction with the quarterly Board meetings. The main goal and proposed scope and content are to consider the current situation of membership development, brainstorm on membership development initiatives, and propose to the VP for Member Services and to the Board possible strategies and initiatives which may help in membership development. The basis for discussion is the previously developed "Membership Initiatives List" of membership items in the Long Range Planning Committee material along with IEEE developed material. The first meeting was held yesterday outlining a road map for the EMC proactive approach for membership development. Additional meetings are planned in conjunction with the Board meetings. The primary topics for consideration are: Why are we losing members? Why are members not renewing? What are our members seeking? Or (a key question), why would any one want to be an IEEE AND EMC-S Member? Is society cost an issue? What services should we be providing? Publications? Conferences? Educational? What is our relationship with Industry/Academia? How do we conduct student outreach with respect to membership? How can we retain and increase membership?

TECHNICAL SERVICES

John Norgard, Vice President for Technical Services, presented his report. Mr. Norgard advised that the Chair of the Technical Advisory Committee (TAC) is Bill Strauss, Vice-Chair is Arto Chubukjian, and Secretary is Robert Scully. The committee has been very active the past few months getting ready for the Chicago Symposium. An updated report will be presented at the Thursday evening Board meeting. RAC Chair Fred Heather presented his report. The joint RAC/SACCom meeting will be held on Monday, August 8 from 11:00 am to 2:00 pm. Members of the Board are invited to attend. Mr. Norgard noted that there would be a report on the activities of the Education and Student Activities committee at the Thursday evening Board meeting.

CONFERENCE SERVICES

Barry Wallen, Vice President for Conference Services, presented his report. He provided the following update on EMC-S Symposia. EMC'2005 Chicago, IL, Chair Tom Braxton reports that final programs, fun guides, pocket guides, banners, signs, and promotional game pieces are printed and have been or are being delivered to Navy Pier. Antenna installation for the K9EMC Amateur Radio station is scheduled for August 5th. Technical sessions, workshops, experiments and demonstrations scheduled are in place. FedEx/Kinko's and Leader Tech have signed on as special patrons. The budget continues to undergo scrutiny. Material purchases (speaker gifts, guest gifts, tote bags, committee shirts, etc.) were aggressively negotiated and all came in under budget. Aggressive recruitment of volunteers has made temporary employee hiring unnecessary. Negotiated travel credits from United Airlines saved significantly on staff travel costs. The current forecast for the surplus is conservatively estimated at 15% or \$150K. As of July 22, there are 223 booths and eight table-tops sold to 162 exhibitors, which is slightly behind Boston's pace (2003 = 232/167) and slightly behind Santa Clara's pace (2004 = 231/171). EMC'2006 Portland, OR Chair: Henry Benitez reports that committees are in place for technical programs, social programs, and administrative aspects. Regarding the budget, only slight revisions have been made to adopt symposium registration pricing as per Barry Wallen's new mandate. The host hotel contracts are in place. The Convention Center has been reserved. A booth will be provided at Chicago EMC 2005 to promote Portland EMC 2006. Promotional material and gifts will be handed out. Possible pictures may be taken with Lewis and Clark and maybe Sacagawea in line with the "Lewis and Clark 200 Year Anniversary" theme. EMC'2007 Honolulu, HI 50th Anniversary Symposium, Chair Janet O'Neil reports that a committee meeting was held at the host hotel, the Hilton Hawaiian Village, over July 6-8. During the meeting, the schedule for the symposium week was confirmed. The traditional symposium week will be held Tuesday through Thursday for papers and the exhibition, but the workshops will be held on Sunday and Monday. Friday will be reserved for a special anniversary celebration involving a narrated tour of the island and a stop at a hotel for an anniversary luncheon. Activity on the luncheon is being coordinated with the EMC-S History Chair, Dan Hoolihan. The committee took this tour last month and visited the hotel where the luncheon will be held. At the July meetings, the committee confirmed the venues for the social events (Tuesday Reception and Wednesday Gala) and confirmed rooms at the convention center for various technical sessions. The newest committee member is Mark Steffka of GM and the University of Michigan at Dearborn. He will work with the technical program chairs to coordinate a special session on "Automotive EMC" with the intent to attract the EMC engineers from the automotive industry in Asia. He will also be in charge of the special EMC history by decade session to be presented in 2007. EMC'2008 Detroit, MI, Chair Kimball Williams advised the host hotel and Convention Center Contracts are signed. EMC'2009 Austin, TX, Chair David Staggs reported that IEEE Insurance and Information Schedule forms are complete and submitted to IEEE CMS. They are currently in negotiations with the Austin Convention Center that will lead



Joban Catrysse (right) of the Katholieke Hogeschool Brugge Oostende (KHBO) dropped by the EMC Membership booth in Chicago, which was ably manned by Board member Dave Staggs.

to a contact being signed between the Austin Convention Center and IEEE. The IEEE CMS contract with the Central Texas Chapter is on hold, pending a financial impact review, as compared to the 2008, 2007 and 2006 IEEE EMC Symposia. Symposia Committee members include: General Chairman – David Staggs, Vice Chairman – John O'Brien, Secretary – Michael Royer, Treasurer – Patrick Webb, Technical Program – Dr. Michael Foegelle, Exhibits/New Product Presentations – Mark Prchlik and Publicity (Public Relations) – Glen Watkins. The host hotel (Hilton across from the Convention Center) contract is signed. The Convention Center has been reserved. Regarding EMC'2010, Mr. Wallen noted that there are three potential candidates for the venue of this symposium as follows: Washington DC/Northern Virginia with chair Mike Violette, Fort Lauderdale with chair Fred Heather, and Vancouver, in British Columbia, Canada with chair Jerry Page. Presentations were made by Art Wall and Leo Makowski on Washington DC and by Fred Heather on Fort Lauderdale. Material was not received from Vancouver in time for a presentation to be made. Mr. Wallen noted that Bruce Archambeault is chair of the Symposium Site Selection Evaluation Committee. Mr. Archambeault will prepare a study showing the benefits of each location. He plans to take the information from each venue proposed and tabulate the data in a spreadsheet. He will ensure that each committee return information on the symposium venue "checklist" to ensure that the venues are compared on an "apples to apples" basis. The Board will review this at the November meeting and then vote on the location. Exhibitor Liaison Janet O'Neil noted that she is working on the agenda for the Exhibitors Breakfast in Chicago and coordinating the respective presentations to be made. Henry Benitez, Chair of the EMC 2006 Symposium, will give a presentation at this breakfast meeting. There will be further information on EMC 2007 as a result of the committee meeting in Hawaii over July 6-8. Of course, EMC 2005 Chicago will have a report to make at this breakfast on registration numbers, etc. Dr. Nigel Carter, the Global Symposia Coordinator, provided updated data regarding Global Symposia and Conferences, which are (or proposed to be) Technically Co-Sponsored by the EMC-S as follows:

Conference	Dates	EMC-S Approval
16th International Zurich Symposium & Technical Exhibition on Electromagnetic Compatibility	Feb., 14-18, 2005	Technical Co-Sponsorship approved based on Board Policy. MOU signed
17th International Zurich Symposium & Technical Exhibition on Electromagnetic Compatibility - Singapore	Feb. 28 and March 3, 2006	Technical Co-Sponsorship approved based on Board Policy. MOU signed
EMC Europe 2006 Barcelona, Spain	September 4 - 8, 2006	Technical Co-Sponsorship approved based on Board Policy. MOU signed
EMC Compo, Munich Germany	November 28-30, 2005	Technical Co-Sponsorship approved based on Board Policy. MOU drafted for signature
Product Safety Engineering Society Symposium, Schaumburg, IL	October 3-4, 2005	Request forwarded to TAC for consideration of technical co-sponsorship. Approved and MOU signed
III International Symposium On Power, Bogotá Colombia	November 16-18, 2005	Request forwarded to TAC for consideration of technical co-sponsorship. Board disapproved.

Regarding regional conferences in Regions 1-7, Janet O'Neil reported that there have not been any tabletop shows since her May 24, 2005 Board report. Typically, the Chapters do not hold these events in the summer. The Los Angeles EMC Chapter has confirmed a tabletop show on "Aerospace EMC" for Monday, September 26, 2005. She is working with LA Chapter Chair Ray Adams on this colloquium and exhibition. Chapters are planning various tabletop shows for 2006, including the Milwaukee, SE Michigan, and Chicago Chapters who hold annual tabletop shows in the spring. Frank Sabath reported on activities in Region 8. He noted that steps are being taken to prepare a MoU between the IEEE EMC Society and the steering committee of EMC Europe. The negotiations have continued since the May report. Due to the main view inside the international steering committee of EMC Europe, Johan Catrysse suggested that the MoU should be discussed and accepted by the steering committee before presenting it to the EMC-S Board. The next meeting of the international steering committee is scheduled in parallel with the EMC Europe Workshop over September 19 – 21, 2005. Regarding the retention of records of Co-Sponsored symposia, there is nothing new to be report. The following EMC conferences will take place in Region 8:

EMC Europe Workshop (Region 8 Workshop)

Date: September 19 – 21, 2005,
Location: Rome, Italy
Scope: Electromagnetic Compatibility of Wireless Systems
Contact: Mauro Felizian, felizian@ing.univaq.it
EMC-S Liaison: Prof. Dr. Heyno Garbe

5th International Workshop on EMC of Integrated Circuits (EMC Compo 2005)

Date: November 28-30, 2005
Location: Munich, Germany
Status: Technical Co-Sponsorship approved

Mr. Sabath prepared an MoU on technical co-sponsorship as well as a conference information sheet. Both documents have been sent to Mr. T. Steinecke. During the workshop, the IEEE German EMC Chapter will be present and operate an exhibition booth.

EMC Wroclaw 2006

Date: June, 2006
Location: Wroclaw, Poland
Status: Unknown

Past Wroclaw symposia were co-sponsored by the IEEE EMC-S. The current status of this MOU is unknown.

EMC Europe 2006

Date: September 11 – 15, 2006
Location: Barcelona, Spain
Status: Technical Co-Sponsorship approved

VIIth International Symposium on EMC and Electromagnetic Ecology

Date: June 2007
Location: St. Petersburg, Russia
Status: The organizing committee is writing a letter of application for Technical Co-Sponsorship

Regarding Region 9, Janet O'Neil reported that no tabletop shows have been scheduled for 2005. Plans are to wait until 2006 to have a colloquium and exhibition in Brazil.

Regarding Region 10, Professor Shuichi Nitta reported that the International Conference on EMC 2005 (ICEMC2005) was held in Phuket, Thailand July 27 to 29. 73 people attended. Technical papers were mainly from Thailand (33), Japan (13) and China (7). A total of 61 papers were presented. The Chart on the next page shows the future regularly scheduled EMC conferences in Region 10.

Mr. Wallen reported that progress is being made to fill the

positions outlined at the May Board meeting on a consistent from year to year symposium steering committee. The following positions have been filled to date: Mike Violette – International Conference Committee Chairman and Bruce Archambeault – Symposium Selection Committee Chairman. Mr. Wallen will meet with key individuals at the Symposium in August in an attempt to fill the vacant positions.

EMC SOCIETY 50TH ANNIVERSARY COMMITTEE

Dan Hoolihan presented his report. He noted that oral interviews with Warren Kesselman, Chester Smith, and Leonard W. Thomas, Sr. are available on the website http://www.ieee.org/organizations/history_center/oral_histories.html or type “oral histories” into the search window of the IEEE web page. The interviews are nearly completed on Ralph Showers and Milton Kant (both are founders of the EMC-S). Interviews continue by the historians of the IEEE History Center. Interviews currently in process are James P. McNaul (the 2nd President of the EMC-S), Joseph F. Fischer (13th President of the EMC-S), William Eugene (Gene) Cory (14th President of the EMC-S) and Anthony G. Zimbalatti (Founder of the EMC-S). The IEEE History Center has begun researching materials for the booklet on the history of the EMC Society. Research efforts include collecting and processing appropriate photographs of the EMC Society’s past events and happenings. Ghery Pettit and Flavio Canavero have started to look at a special issue of the Transactions to commemorate the 50th Anniversary. This issue will be similar to the EMC-S Silver Anniversary Issue published by the IEEE in August of 1983 (Volume EMC-25 – Number 3). The committee hopes to benefit from the IEEE’s recent efforts on digitizing all records prior to 1988 and placing them in the electronic laboratory to be accessed via



PHOTO BY TERRY NORTH

Board members Dan Hoolihan, Janet O’Neil, and Dave Staggs, with his wife Barbara, (from left) got into the “Roaring 20s” spirit at the dB Society’s annual party in Chicago.

Xplore. The committee is discussing coordination of the costs for putting all the EMC-S Transactions on a DVD with the IEEE as part of this “digitization” project. They also continue to research the costs and methods of putting the EMC-S Symposium Records on a DVD; they hope to get some of the IEEE’s digitization money for this project also. An article was written for the Summer issue of the EMC-S newsletter. The article asks for recommendations on the best 10 papers of the last 50 years, including the Best 10 Transactions Papers and the Best 10 Symposium Papers. As of 1 August 2005, no suggestions or recommendations have been received! However, the Silver Anniversary Issue of the Transactions (EMC 25-3) has indices to the 1959-1982 Transactions and the 1962-1982 Symposium Records, which will be used to find prospects for the best papers. The committee is trying to publish

Country	Name of Event	The latest open year	Period (Next Symp.)	Chair/Representative	EMC-S Involvement
Japan	International Symp. on EMC (6th)	2009	5 years	Undecided	Normally Tech. Co-Sponsor
China	Asia-Pacific Conference on Environmental Electromagnetics (CEEM 06) Dalian China (4th)	Aug.1-4 2006	3 years	Prof. Gao Yougang BUPT Beijing China	Tech. Co-Sponsor Approved MOU signed
China	International Symposium on EMC, Beijing China	2007 (4th)	5 years	Prof. Gao Yougang BUPT Beijing China	Normally Tech. Co-Sponsor
Thailand	International Conf. On EMC (ICEMC'2005) (2nd)	July20-22 2005	3 years (July 2008)	Dr. Werachet Khanngern, KMITL Thailand	TBD
India	International Conf. On EMI/C (INCEMIC)	2005	2 years (2005)		TBD
Korea-Japan	Korea-Japan Joint Conference on EMC/AP/EMT (4th) (Local Conference)	Nov. 22-23, 2004 2006 Date - ???	2 years	Prof. Y. Kami UEC Japan Prof. EOM KAIST Korea	None
Taiwan	2005 Asia Symposium on EMC, Taipei Taiwan (1st) (Note 1)	Nov. 22-24, 2005	Undecided Chiao Tung Univ	Prof. S.T. Peng Approved Taiwan	Tech. Co-Sponsor MOU submitted



EMCS Past President Bob Hofmann of Hofmann Consulting speaks at one of the many well attended sessions in Chicago.

one “historical” article in every issue of the newsletter from now until July of 2007. A Power Point presentation on the history of the EMC Society continues under development. Progress remains slow due to personal commitments on the part of the person developing the PP presentation. It is now hoped to give the presentation as part of the Distinguished Lecturer program of the EMC-S starting in 2006. Discussions continue with the Creative Services division of the IEEE on a proposal for a common logo for the 2007 Symposium and the 50th Anniversary Celebration. A final 50th Anniversary Logo has been approved by the 50th Anniversary committee and will appear on the cover of the Summer 2005 EMC Newsletter. The Anniversary Committee is chaired by Dan Hoolihan, with the following members: Warren Kesselman – History Subcommittee Chair, Len Carlson – Public Relations Subcommittee Chair, Henry Benitez – Special Awards Subcommittee Chair, Janet O’Neil – “Dotted Line” – Chair – 2007 IEEE International Symposium on EMC, Bill Gjertson – Commemorative Items Subcommittee Chair, Jerry Ramie – Power-Point Presentation on EMC-S History, Elya Joffe – History of Fellows Award Winners for EMC-S, Joe Butler – Special Anniversary Awards – Technical Achievements. General committee members include Bill Duff, Bob Goldblum, Fred Heather, Don Heirman, Todd Hubing, Herb Mertel, Mark Montrose, Henry Ott, and Kimball Williams. The committee is researching special events at the 2007 Symposium, special Anniversary Awards for Technical Achievements, commemorative items, membership incentives, an announcement of the Top Technical Papers in the first 50 Years, exhibits on the EMC Society at IEEE Headquarters, a special luncheon at the Hawaii symposium for past presidents and founders, special plaques for pioneer technical papers, a 50th anniversary pin, mini-colloquia, a traveling exhibit of historic EMC test equipment and a meeting between past-presidents and students at the symposium in 2007.

OLD BUSINESS

The following items were discussed under “Old Business”:

Memorandum of Understanding: Marketing and Promotion
Mark Montrose presented a draft MOU that outlined coop-

erative cross marketing of EMC-S material with other publications. Mr. Montrose requested that an ad hoc committee be formed to revise this MOU from the comments received during the meeting.

Governance

Mark Montrose discussed the TAB edict that Societies need to conform their bylaws and constitution to be consistent with IEEE governance documents. The Board agreed to defer discussion on this until the IEEE Five-Year Review of the EMC-S is returned to President Williams. If this is noted as a pressing concern from IEEE, then the Board will address this topic.

NEW BUSINESS

The following items were discussed under “New Business”:

Symposium Policy Document

President Williams asked Fred Heather and Barry Wallen to work together in updating this document so it can be distributed to the Board by the November meeting.

EMC-S Handbook

President Williams asked about the status of this handbook and getting it updated. Mark Montrose and Ghery Pettit volunteered to update this document and distribute this to the Board by the November meeting.

Field of Interest Statement

President Williams requested that Fred Heather and Mark Montrose work together on the EMC-S Field of Interest Statement. Mr. Kesselman advised that there was a short and succinct version in the Chicago Symposium advance program.

Cross Marketing of Related Society Symposiums

The Board discussed the presentation by Don Heirman at the last meeting regarding technical sessions at related Society symposiums. The Board indicated support of an EMC-S workshop at the new IEEE Radio and Wireless Symposium over January 17-19, 2006 in San Diego, CA. Don Heirman agreed to research if there is room in this symposium to have an EMC-S organized session.

New Chapter Coordinator

President Williams advised that Francesca Maradei is the new Chapters Coordinator replacing Ghery Pettit. President Williams requested that Board members assist her in this effort.

New Patron Program

Barry Wallen led a discussion on revising the Patron Program for exhibitors at the EMC Symposium. This is being discussed with IEEE CMS and Janet O’Neil, Exhibitor Liaison. It will be presented at the Exhibitors Breakfast in Chicago.

ACTION ITEM REVIEW

President Williams reviewed the action items discussed during the meeting.

ADJOURNMENT

There being no further business, the meeting was adjourned at 5:00 pm by President Williams.

NOTE: *The Board Meeting continued on August 11 for a working dinner meeting, starting at 6:00 pm. Additional guests included Bill Strauss, M. Sabrina Sarto, Chris Holloway, Bob Davis, Takeo Yoshino, Arto Chubukjian, Maqsood Mobd, John LaSalle, and Moshe Netzer. The following items were discussed during the working dinner meeting:*

EMC 2005 CHICAGO

Bob Hofmann reported on the budget for Chicago 2005. Income is slightly over \$1 million, and expenses are slightly under \$1 million. The expected surplus is estimated to \$161,000.

STANDARDS ACTIVITY

Don Heirman reported on Standards Activity during the symposium. In general, the standards meetings held in Chicago were well attended. The main topics discussed during the meetings included Broadband over Power Line Communications (i.e., BPL, the "hot" technical topic as expected), having the vice chair of a

project team and not co-chair, searching for EMC-S participants and leaders, and encouraging EMC-S members to sign up to vote on EMC Standard P1775. Regarding the BPL sessions in Chicago, approximately 70 people attended. The standard on Probe Calibrations (Std 1309) was approved in June 2005; the annex is applicable to IEC 61000-4-3 field strength calibration. The IEC SC 77B draft replicates material. There is a possibility of a joint effort on the next revision with amendments to have test use specifics. Regarding Standards meetings held during the symposium week, the Standards Development Committee (SDCom) met; SETCom did not; SACCom met in conjunction with the annual RAC/SACCom luncheon. Approximately 25 people attended; 14 SDCom members and 10 guests presented over the two parts of meeting. The agenda topics included a review of the membership status, Standards status, study projects, symposium coordination planning, and Standards activity. Regarding membership, there is a need for more volunteers for special projects and officers to administer. The Board was solicited for people to contact to be the new SACCom chair, vice chair and secretary as well as the new SETCom chair, vice chair and secretary. Mr. Heirman is identifying working group members for their IEEE indemnification as well as checking to see if any working groups have IEEE bank accounts that need to be audited. Regarding Standards Activity and the status of projects, a line replaceable module PAR has been readied for NesCom and they are checking the status. On Broadband Powerline Access, the EMC-S SDCom is continuing to get in the mainstream of an in-situ measurement PAR with PES. Regarding the policy (software) defined radio TV emission measurements (Std. 187), this is being resubmitted to

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IEC for dual logo status. On shielding effectiveness (Std. 299), this is being recirculated, on impulse bandwidth (Std. 376), they are awaiting input. For the EM site survey (Std. 473) a one-year extension has been granted and it should be ready for ballot soon. On the RF absorber evaluation (Std. 1128), ballot resolving VDT emissions (Std. 1140), the reaffirmation has been completed. The standard on gasket characterization (Std. 1302) needs progress. The probe calibration standard 1309 was approved and is in editing. The standard on RF filter performance (P1560) has been sent to RevCom. The standard on Computational EM (P1597) was granted a one-year extension. It is in its third revision and has been subjected to editing delays. On the standard Intentional EMI to computers, a draft is due in 2006. On Software Defined Radio Conform. (P1900), this work is just starting.

COMMUNICATIONS SERVICES

Ghery Pettit then reported on Communications Services. He advised that he has spoken with Flavio Canavero to discuss candidates for his successor as Editor in Chief of the Transactions on EMC. Mr. Pettit will contact these potential candidates directly to determine their interest and ability to serve in this capacity.

TECHNICAL SERVICES

John Norgard reported for Technical Services and their various activities during the Chicago Symposium. Maqsood Mohd advised that NARTE recruited 18 new members during the symposium. The student activities committee was very active during the symposium. He reported that the Fundamentals Tutorial was well attended again this year with some 350 present. He asked the audience how many were attending this tutorial for the first time. Approximately two thirds of the audience responded that this was their first symposium. Mr. Mohd noted that Randy Jost of Utah State University is the new chair of the University Grant Program, replacing John Howard. There were few proposals for the grant submitted this year. The committee will address more effective outreach methods in order to raise the level of submissions. The Board approved Mr. Mohd's suggestion to convert the old EMC educational VHS tapes to DVD at a cost not to exceed \$1,000. Bob Davis presented a report on the activities of the EIA G46 committee. The committee represents industry and is active in developing military standards such as MIL-STD-461. The Board approved Mr. Norgard's suggestion to permit the EIA G46 committee to use the EMC membership list to contact volunteers to work on the committee. President Williams noted that this list would be available on a one-time basis only. It was suggested that an e-mail blast be sent two weeks before the symposium in order to promote collateral meetings. Considerable discussion ensued. Don Sweeney, Fred Heather, and Bob Davis volunteered to work on this committee, reporting to John Norgard. Fred Heather reported about the RAC/SACCom luncheon. Bill Strauss reported on the full papers submitted this year for the Chicago symposium. 207 submissions of full papers were received this year. No substantial decrease in paper submissions was observed. 96 papers were reclassified. There were 41 student papers and 37 open forum requests. The rejection rate was 15-20%. He noted that the on line distribution review system worked well. Compiling comments on reviews did not work out well and needs to be addressed for the Portland 2006 symposium. TAC suggests for

next year that authors are asked up front if they want to be in the open forum or considered as a full presentation paper. He would like to see open forum papers also receive a best paper award at the symposium and be considered as equal to the regular presentation papers. John Norgard presented the following new officers of TAC: TC-1: Dave Southworth (replacing Dan Hoolihan), TC-3: Nigel Carter (replacing D. Gilliland), TC-9: Bruce Archambeault (replacing Chris Holloway) and TC-10: Jim Nadolny (replacing Jim Drewniak). Chris Holloway gave a presentation on a proposal for a new working group on "Nanotechnology and Advance Materials." Mr. Holloway and Sabrina Sarto would co-chair the working group. They would like to form an official working group as research in nanotechnology is moving from "basic" research to "applied" research. John Norgard will evaluate this further for discussion and make a recommendation at the November Board meeting.

MEMBERSHIP SERVICES

Elya Joffe reported on Membership Services. He advised that the Houston Chapter is being revitalized under the direction of Board member Bob Scully. There is also a new Chapter being formed in Kansas. Mr. Joffe noted that he visited with members of the potential new Chapter in Australia during the Symposium. He intends to travel there to speak to the Chapter. He also visited with members of the EMC Society in Mexico City and will work with them to create a new EMC Chapter. The Board approved Mr. Joffe's suggestion that new members recruited for the purpose of (signing a petition for) forming a new IEEE EMC Chapter (where no such Chapter exists) be granted for free first year EMC-S membership. This offer shall be valid until the date of submission of the petition only. Dave Staggs reported on the membership booth activity. He noted that traffic was very heavy. Many people completed the survey to receive the coffee cup. 10 new IEEE members and 26 new EMC Society members were recruited during the symposium. The Hawaii promotional material and the IEEE magazines on display attracted visitors to the booth. Mr. Joffe spoke with the various magazine representatives at the symposium exhibition. He will draft an article about EMC membership and submit it to them for publication in their respective magazines. He will also include a membership application with the article.

50TH ANNIVERSARY COMMITTEE

Dan Hoolihan invited the Board to attend the 50th anniversary committee meeting on Friday, August 12. There will be a two-hour meeting at noon in room 314 at the Navy Pier.

CONFERENCES

Nigel Carter presented an update on international symposia in Europe. He suggested that the TAC questionnaire be posted to the EMC-S website to avoid delays in completing the information. Mr. Carter reviewed the matrix of upcoming conferences and the status of EMC-S co-sponsorship. Andy Drozd then reported on the history and interest areas of the Waveform Diversity Conference and its relationship with the IEEE Aerospace and Communications Societies. The Board approved EMC-S technical co-sponsorship of the 4th Interna-

tional Workshop on Biological Effects of EM Fields, the 2006 Wroclaw EMC Symposium, and the 2006 IEEE International Waveform Diversity and Design Conference.

ACTION ITEM REVIEW

Secretary Janet O'Neil then read the action items assigned at the Board meetings on Sunday and Thursday of the Symposium week.

ADJOURNMENT

Kimball Williams noted that the next Board meeting would be on Tuesday, November 15 in Portland, Oregon. The Standards Committees and others would meet the day before. The Board meeting then adjourned at 9:18 pm.

*Submitted by:
Janet O'Neil,*

Secretary, EMC Society Board of Directors

New Members of the IEEE EMC Society Board of Directors Announced!

As you know, a ballot for the election of the six members to the IEEE Electromagnetic Compatibility Society Board of Directors was issued in July 2005. The returned ballots have been counted and the following candidates have been elected for a three-year term beginning January 1, 2006:

Bruce Archambeault
Richard (Dick) Ford
Elya B. Joffe

Henry Benitez
Daniel D. Hoolihan
Ghery S. Pettit

Brief biographies of these candidates will be featured in the next issue of the EMC Society Newsletter.

Todd Hubing, EMC Society Nominations Chair, reports that a total of 732 ballots were returned to IEEE this year (up from 672 last year). Congratulations to the newly elected candidates and thank you to all the candidates for their willingness to serve and for permitting their names to be included on the ballot.



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