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REMINDER: BEMS DUES NOW PAST DUE

Did you remember to renew your membership for 2010? The Society relies on you for its operating expenses as well as for the breadth and depth of its multi-disciplinary interactions at the annual meeting. Contact the BEMS office at bemsmanagement@gmail.com to renew today!

2010 ELECTION FOR BEMS BOARD OF DIRECTORS IS NOW OPEN

The Bioelectromagnetics Society's 2010 election is now underway! The election began on April 19, 2010 at 12:01 AM and **ends on May 21, 2010 at 11:59 PM (U.S. Eastern time)**. It is surprising how many elections have been determined by a few votes. So take time today to make your voice count.

If we have your email, then look for a note sent to you on April 19, 2010 entitled "The Bioelectromagnetic Society's 2010 Election." It contains a link that only you can use to vote. If we don't have your email and you wish to vote, please contact The Bioelectromagnetics Society office promptly by telephone: 301 - 663 - 4252.

2010 slate of candidates: (<http://www.bioelectromagnetics.org/doc/bems2010-CandidateBios.pdf>)

FOR VICE PRESIDENT/PRESIDENT-ELECT

- Richard Nuccitelli
- Joachim Schüz

FOR SECRETARY

- Carl Blackman
- Jonna Wilen

FOR BOARD, Representing the Biological and Medical sciences

- Rafi Korenstein
- Dariusz Leszczynski
- Meike Mevissen
- Zhengping Xu

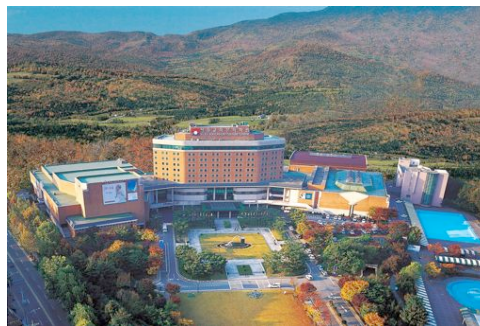
FOR BOARD, Representing Engineering and Physical sciences

- Eduardo Moros
- Soichi Watanabe

FOR BOARD, at large

- Koichi Ito
 - Boris Pasch
-

BEMS 2010 ANNUAL MEETING IN SEOUL, KOREA



June 14 - 18, 2010

In less than two months, The Bioelectromagnetics Society will convene its 32nd annual meeting at this facility in Seoul, Korea. Details on how to get there, how to find lodging, and the technical program are available on [The Bioelectromagnetics Society's website](#)

(<http://www.bioelectromagnetics.org>) and via a special website set up by the Local Organizing Committee (<http://www.geni-pco.com/bems2010/index.php>).

The meeting will feature four tutorials on topics of continuing interest to BEMS members: bioeffects of IF-EMF, thermal thresholds, magnetic field induced analgesia, and how to write a manuscripts for scientific journals. In addition, four plenary sessions will focus on: clinical applications of fields, occupational exposures of electromagnetic energy, the safety of future technologies, and results from the Interphone studies. Two topics will receive special attention during the meeting: RF-EMF effects on brain activity and EMF effects on DNA.

The planning committee has structured the meeting to allow some time to see the local area, too. Be sure to look on the website for important details about the optional Palace tour on Wednesday afternoon during the meeting. In addition to lunch and dinner, the tour will be visiting Gyeongbokgung Palace, the oldest of five palaces in Seoul, dating back to the Joseon Period. Next, the tour will visit Insadong to experience the traditional culture of Korea in the heart of the city, with art galleries, traditional craft stores, antique art dealers, and traditional tea houses. The tour concludes with the world famous Nanta, a nonverbal performance integrating Korean traditional "Samulnori" rhythm with comic and drama.

For members unable to access information via the website(s), please contact The Bioelectromagnetics Society office via BEMSManagement@gmail.com or 301 - 663 - 4252.

THE BIGGER PICTURE: RESTRUCTURING FOR THE FUTURE



(Editor's note: Contributor Niels Kuster, Past President of The Bioelectromagnetics Society, summarized content of his summary slides presented to the BEMS Board of Directors in February for this article. The Board is still reviewing the reports of the Long Range Planning Committee.)

Our Society's mission is to be an international resource for excellence in scientific research, knowledge and understanding of the interaction of electromagnetic fields with biological systems. As an organization we must be optimally responsive to the advancement of bioelectromagnetics, while assuring that the administrative and organizational structures are effective and responsive to the objectives of the Society and the needs of the membership. The Society has maintained its presence in the professional community primarily via its journal and annual meetings, but these are clearly uncertain times for bioelectromagnetic research. With expected decreases in research funding, membership, subscriptions, meeting attendance, difficulty in recruiting new members and a possible shift in focus to medical applications, the Society must look closely at its many components and consider redefining its structure to provide for more effective responses

to internal and external demands and circumstances.

Since its inception, our Society has engaged the costly services of a professional management company. While this was a fiscally viable option in the past when substantial interest in bioelectromagnetic risks attracted many commercial and government sponsors, the issue needs to be revisited. Past income and expense statements show that the management costs and expenses of slightly over US\$100K were largely paid for by the profits of the BEM journal and annual meeting sponsorships. It is clear that the Society cannot afford its current operational expenses based solely on membership dues and annual meeting revenue without continued or even significantly increased sponsorship.

The Long Range Planning Committee along with members of EBEA convened several times during the past year to analyze its management structure and to develop long-term strategies to reduce costs and to make the Society more attractive. The various models proposed range from selectively improving the status quo at its weakest points to reorganizing the Society as an academic organization that is managed by its members on a volunteer basis (e.g., support the President or managing Board Member with a 50% secretarial responsibility for dues, membership, webpage, etc.).

More specifically, constructive solutions include modernizing the Society's communication channels by developing an attractive and interactive website and hosting more web meetings. A volunteer based member management structure would reduce the management costs from over US\$100K to approximately US\$30K. Committed local members can feasibly organize the meetings of reasonable quality, as proven at the 2009 meeting in Davos. The length of the terms of office of the president and perhaps other board members should also be extended to two and four years respectively. There is currently insufficient time for elected officers to consolidate shared experience and effectively implement new strategies, particularly for the President. There are also strong recommendations to hold the annual meetings at academic venues (e.g., universities) instead of commercial settings (hotels, convention centers, etc.) to reduce costs. Such radical changes will be required before EBEA considers merging with BEMS. Maintaining two organizations with largely identical objectives might not be a viable option for either society if membership and funding declines; however, resistance to merging still exists, as many European members still perceive BEMS as an internationalized US society mainly because of its management structure.

Pursuing radical change is never easy though. The Long Range Planning Committee decided "to not break what works," but cautions us to be prepared for change should it be economically necessary. The current trends in membership, sponsorship and funding will be carefully monitored until the Annual Meetings in Seoul and Halifax before making final decisions about restructuring. The various restructuring models will be further refined until then.

Mindful of the future and of strengthening the academic aspects of the Society, selective improvements continue. New strategies, e.g., Best Paper Award, have already been implemented to increase the overall general appeal of the Journal to a wider scientific community and to potentially increase the number of institutional subscriptions. A new

website will be introduced this summer thanks to the great efforts of our President-Elect, Jeff Carson. The 2011 Annual Meeting in Halifax will be held at the University at minimal costs. I hope the new leadership will continue this trend to depoliticize the Society and return it to the researchers. There is still a plethora of interesting problems and topics to explore and understand!

As we continue to revitalize our Society, we must endeavor to develop a sustainable vision for maintaining the economic and scientific viability of our Society while reinforcing the fundamental objectives of the Society that have bound us together for all these years.

FROM OUR EXECUTIVE DIRECTOR, GLORIA PARSLEY

As you may know, Seoul will be the 25th Annual Meeting that I have planned and managed for The Bioelectromagnetics Society. My 30th wedding anniversary is June 21, so over the last 30 years, I have spent more anniversaries with my friends in BEMS than with my husband! Since this will essentially be my Silver Anniversary with BEMS, I thought it would be interesting to reflect on how far we've come in those years.



First, a little background: I began serving BEMS for the first 15 years as the Vice President of W/L Associates. 2010 will mark my 10th year as BEMS' Executive Director. I've worked with 25 BEMS' presidents; developed profitable budgets with 8 different BEMS treasurers and 3 EBFA treasurers; served 25 very diverse boards, and attended all of the past 75 board of directors' meetings. I have enjoyed working with all the BEMS journal editor-in-chiefs, associate editors, web editors and newsletter editors, in addition to each committee and task force. I've submitted grant applications, undergone audits and annual financial reviews, scheduled ancillary and winter workshops, and coordinated joint meetings with other international associations. As Executive Director, I have offered integrity, flexibility, patience, determination and dedication to the Society and its' members.

My first BEMS conference was held in my home town of Madison, Wisconsin (the 8th Annual Meeting) and it has been quite an education planning for the meetings as they've moved around the world. I have encountered many challenges and unforgettable events. For example, I have:

- vacuumed up flood waters in the poster session at St. Pete's Beach, prayed while a tornado touched down during the welcome reception held on the Radisson Hotel's top floor rotating restaurant in St. Paul,
- evacuated the platform sessions during a city wide power blackout (again in St. Paul), moved the social event into the ballroom in the middle of a huge thunderstorm during the First World Congress in Orlando,
- with only three weeks' notice, I negotiated to relocate the

Annual Meeting to the Grand Melia following Hurricane Wilma's extensive damage in Cancun, and, consequently...

- ... successfully filed an extensively documented claim against the Society's convention cancellation insurance for which the Society received an insurance settlement of \$31,640.

Over the last 25 meetings, I've dealt with issues such as:

- replacing broken down school buses headed up the mountain to the social event at Snowbird outside of Salt Lake City;
- mitigating noise pollution interrupting our speakers in Salt Lake City when the American Indian Convention held their drum ceremony during our plenary sessions;
- reducing the impact of a record setting heat wave at the isolated Sheraton El Conquistador, in Tucson, Arizona (112° Fahrenheit!)
- being kissed by a sea lion at the Boston Aquarium during the Social Event;
- helping members when gypsies stole attendees' passports and wallets in Bologna. I was eight months pregnant during this joint meeting and my son was born less than 10 days after I got home (he almost had dual citizenship)!
- working around the closing of Canadian customs for a National holiday over Sainte-Jean Baptiste Day which delayed receipt of the shipment of the BEMS abstract books until the middle of the meeting. When the books finally arrived, several pages were printed incorrectly.
- finding a way to do business with non-functional credit card machines, along with poor university acoustics and inadequate temperature controls in Dublin (and in many other destinations actually);
- negotiating a move of the Social Event to the hotel's pool deck to avoid penalty charges for not filling our hotel block in San Diego (California); and
- just last year, requesting quiet from noisy construction crews during our technical program in Davos.

Over the past 25 years, I've seen a large number of changes in the Society. To record all the memories, a History Book was written and a BEMS trivia challenge game was played during the 25th Anniversary Gala Dinner. We've moved from the olden days when the Technical Program Committee met in person to sort through piles of paper abstracts, into the 20th century with the implementation of online abstract submissions, electronic reviews and placement assignment notifications broadcast via email. The Election Committee no longer has to meet onsite and validate envelopes before counting the ballots, now the entire balloting process has been streamlined by the implementation of the online electronic voting system. The newsletter has transitioned from a printed 12 page copy into a more timely and efficient online posting of downloadable files. Along with the web editor & the newsletter editor, we continually work to keep the BEMS' web site updated, and we work with each Local Organizing Committee (LOC) to create and manage additional links for the Annual Meeting. All the conference literature, from the Technical Program to the Abstract Collection is readily available on line and is distributed electronically, so wireless internet connections are necessary for the attendees in the meeting facilities.

I have enjoyed the great diversity that BEMS brings into my life. It has been a wonderfully exciting and constantly changing 25 years, and I sincerely look forward to many more

years to come. I look forward to seeing you very soon in Seoul!

IN MEMORIAM: DAVID E. JANES, JR.



David E. Janes, Jr.
Captain, United States Public Health Service
5 July 1934 - 10 March 2010

Dave was born on 5 July 1934 in Kansas City, MO, where he lived until enrolling in William Jewell College, a private, four-year liberal arts college in Liberty, MO. Upon graduation, Dave received a fellowship from the Atomic

Energy Commission (AEC) to study at the University of Washington in Seattle, WA. After he completed his fellowship he received his commission as an officer in the US Public Health Service and was stationed in Washington, DC. During this tour of duty, he participated in Operation Hardtack, which was a series of nuclear tests conducted by the US in 1958 in the Pacific Ocean.

From 1960-64, he studied at the Medical College of Virginia, pursuing advanced education in the biological effects of microwave radiation under the guidance of William T. Ham, chair of the Medical Bioengineering Department. He completed all course work and exams but was not able to complete his research to obtain a PhD because he was transferred by the Public Health Service to Rockville, MD for his next tour of duty.

In Rockville, Dave worked at the Bureau of Radiological Health (BRH), in the US Department of Health, Education and Welfare (DHEW), to investigate the potential hazards from exposure to low intensity ionizing and nonionizing radiation. At BRH, Dave was instrumental in developing the early investigations into the interaction of microwave radiation with biological systems at the molecular level.

In December 1970, Dave was transferred by President Nixon's Reorganization Plan No. 3, along with half of the employees of BRH, to help create the US Environmental Protection Agency. As a charter employee of EPA, Dave was responsible for drafting positions the Agency would take regarding its responsibilities in the ionizing and nonionizing radiation regions of the spectrum with regard to public health and safety from environmental exposures. Dave retained his interest in the interaction of electromagnetic fields (EMF) with molecular systems through the remainder of his career with EPA, but when EPA consolidated its research operations in Research Triangle Park, NC, Dave did not follow. Instead, he was detailed to EPA's Office of Air, Noise and Radiation in Washington, DC, where he led assessment teams that had a mandate over low-level ionizing radiation and electromagnetic fields (EMF) ranging from 0 to 300 GHz.

In the mid '70s, Dave was appointed Chief of the Electromagnetic Radiation Analysis Branch in the Office of Radiation Programs. In the EMF arena, Dave's group was

responsible for establishing in the 1970s through the mid-1980s the ambient levels of radiofrequency fields in the broadcast and land-mobile frequency bands in 15 major US cities.

In 1980, Dave was appointed Director of the Analysis and Support Division in EPA's Office of Air and Radiation. He supported the efforts of his group to pursue the best science possible to establish exposure conditions, and to investigate their possible biological consequences.

A primary responsibility of EPA's Office of Air and Radiation was to establish radiation protection guidance for Federal agencies from all sources in the United States, both ionizing and nonionizing. In July 1986 Dave's Division issued a notice in the Federal Register entitled: "Federal Radiation Protection Guidance; Proposed Alternatives for Controlling Public Exposure to Radiofrequency Radiation." This guidance evaluated various exposure options and proposed EMF exposure limits for the general population. Although responses to the EMF exposure recommendations were generally favorable, some Federal agencies objected to the initiative, and it was pursued no further. His Division continued to operate in a data collection mode to monitor and assess the impact of EMF on public health and the environment from all sources of nonionizing radiation.

Dave's Division also participated in the Federal government's responses to the ionizing radiation emergencies, most notably, at Three Mile Island in 1979 and Chernobyl in 1986. In 1989, Dave retired as Division Director after 32 years of government service.

Throughout Dave's career, he was thought of as a man of science, always using detailed and precise language in describing a project or his expectation in research work for which he was responsible. Dave was also well-known for his honesty and integrity. These characteristics were positive attributes in encouraging younger colleagues working for him to use the same degree of objectivity in their work.

Following retirement from government service, Dave received his Masters Degree in education from George Washington University. He then embarked upon his new career, teaching physics at Walt Whitman High School, which he found extremely rewarding. Dave also enjoyed his time with Boy Scout troop 447. He fondly looked back on various hikes, campouts and county fair experiences with the scout troop. His passion was gardening and home improvement, saying that his house was "a work in progress."

Contributors: Carl Blackman, John Allis, Norb Hankin, Ed Mantiplly, Ric Tell, Dan Cahill, and Rafie Ferguson.

BEMS ANNUAL MEETING IN SEOUL

Register before May 14, 2010 for the 32nd Annual Meeting of The Bioelectromagnetics Society in Seoul, Korea (June 14 - 18, 2010) to get the early registration price!

IN MEMORIAM: JOE MORRISSEY



Joe Morrissey

1 October 1963 - 6 April 2010

Our colleague, Joseph James Morrissey, was killed by an intruder to his home in the early hours of April 6, 2010. An active member of our Society, Joe was a versatile and prolific researcher, a loyal friend, and a tireless volunteer. Joe's extensive

knowledge and willingness to help anyone who asked led him to become a good friend and valued colleague to his peers around the world and to his co-workers at Motorola and Nova Southeastern University (NSU).

Joe earned his bachelors (1985) and masters degree (1987) from the University of South Florida. His masters dissertation research dealt with cloning and characterization of the gene for the detoxifying protein glutathione S-transferase in *Drosophila melanogaster*. He conducted research and attended Harvard Medical School before earning his Ph.D. degree from Stanford University Medical School (1993) in molecular biology, studying molecular and biochemical characterization of the oncogene *fel* implicated in childhood leukemia. For two years as a Post Doctoral Fellow at the University of Miami, he researched the role of protein kinase C phosphorylation in the regulation of the Androgen Receptor (AR) mRNA levels in androgen dependent and AR transfected androgen independent prostate tumor cell lines.

Before joining Motorola in 1997, Joe spent two years at the Goodwin Institute in Plantation, Florida researching stress response gene expression in mice exposed to RF. At Motorola, his initial responsibility was to assist in managing the external biological research programs. His intellect, creativity, and work ethic allowed him to apply his talents to new areas of interest. Joe became an expert in electromagnetic interference and compatibility with emphasis on interactions between mobile phones and medical devices, aircraft navigation/communication systems, and hearing aid compatibility issues. Joe was the initiator of the dosiphone for RF exposure assessment in epidemiology studies.

He was very active in numerous Standards Committees dealing with RF safety and electromagnetic compatibility, including the IEEE, Consumer Electronics Association (CEA); American National Standards Institute (ANSI), International Organization for Standardization (ISO), and RTCA, a group that develops consensus-based recommendations regarding aviation system issues. Joe served as co-chair of RTCA SC202 Working Group (WG) 6 on guidance for allowing transmitting portable electronic devices (PEDs) on aircraft; and served as chair of the following committees: CEA R7 WG 11 on recommendations for control of PEDs; ANSI ASC C63 Subcommittee 8 on standards for medical and non-medical devices; ISO TC215 WG7 on recommendations for PED compatibility in hospitals; IEEE 11073 WG 3 on health informatics and guidance for RF Wireless technology; and IEEE ICES TC95, where Joe, was instrumental in assuring that the research database was kept up-to-date for standard

setting. This effort kept him well informed of the literature, which contributed to his expertise performing critical reviews of published and presented work and writing reviews of the literature.

Following the closure of the major portion of Motorola's RF health effects related program in 2009, Joe joined the faculty of NSU as an assistant professor of pharmaceutical sciences. In addition to his teaching duties he conducted research on cancer drugs and on the thermal sensitivity of cells in culture and whether the sensitivity can explain some of the observed in vitro RF effects. In January, Joe organized and conducted a highly successful workshop that featured world-class experts on thermal sensitivity of tissues.

Joe was a kind and loving person devoted to his family, often adjusting work hours to meet family obligations. He was particularly devoted to his two sons, Nicolas, age 17, by his first marriage and his five year old son, Patrick. He is also survived by his wife Kay, mother Rosalie, and brother John.

We are truly saddened by the death of Joe at the young and productive age of 46. His can-do attitude not only led to a productive life but made working with him a pleasure. His keen scientific insights will be sorely missed by the Bioelectromagnetics community.

Contributed by Mays Swicord and C-K. Chou (Supervisors of Joe Morrissey during his 12 years at Motorola)

Editor's note: Online news sources report that a father and son were recently arrested in connection with the events that lead to Dr. Morrissey's death.

ERRORS IN SCIENCE

Understanding the nature of science is an essential tool for assessing the reliability and scope of scientific claims, perceiving the scope of these claims, and making related decisions. But scientific observations, even when reported carefully, can be subject to misinterpretation.

In fact, as author Douglas Allchin notes in his article "Error and the Nature of Science", the data do not necessarily speak for themselves. Scientists interpret the data, and credible scientists may justifiably disagree on the appropriate interpretation of observations. While science deals with facts over values, it can be misinterpreted by those with agendas. Or there can be material, observational, conceptual, or social errors in the reports. View the full article [here](http://www.actionbioscience.org/education/allchin2.html) (<http://www.actionbioscience.org/education/allchin2.html>).

We welcome comments on this article as it relates to Bioelectromagnetics for publication in future newsletters, either anonymously or accredited to the author.

IN CASE YOU MISSED IT: MAGNETIC FIELDS AND ANIMALS

A recent [article in Nature](http://scienceblips.dailyradar.com/article/q-a-animal-behaviour-magnetic-field-perception/) (<http://scienceblips.dailyradar.com/article/q-a-animal-behaviour-magnetic-field-perception/>) reviews how animals perceive magnetic fields. Authored by Kenneth J. Lohmann, a professor in the Department of Biology, University of North Carolina, Chapel Hill, North Carolina 27599, USA, klohmann@email.unc.edu, the article notes that while the ability to perceive Earth's magnetic field was at one time dismissed as a physical impossibility, it is now known to exist in diverse animals. Despite uncertainty about the actual magnetic field receptors, the author notes that at least two underlying mechanisms exist – sometimes in the same organism.

Kenneth J. Lohmann Q&A: Animal behaviour: Magnetic-field perception *Nature* 464, 1140-1142 (22 April 2010) | doi:10.1038/4641140a; Published online 21 April 2010

IN MEMORIAM: HERMANN BERG



Hermann Berg

16 July 1924 -17 April 2010

Professor Hermann Berg passed away at the age of 85 and is remembered here by three people who worked with him.

Prof. Vladimir N. Binhi, General Physics Institute RAS, recalls:

I knew Hermann personally from meetings as an accommodating, friendly man, who was bright in his profound judgments.

I first met Prof. Berg in 1996 while attending the 3rd International Congress of the EBEA in Nancy, France. Already at that time, Hermann Berg was interested in primary physical mechanisms that could explain paradoxical observations of the so-called nonthermal biological effects of electromagnetic fields.

Although his personal scientific career was related to the experimental study of electroporation in cells, cultures, and tissues, he maintained an interest in theoretical understanding for years. Some of Berg's publications reviewed possible physical mechanisms underlying electromagnetic interaction with cells.

I was pleased to meet this remarkable scientist again in 2002 at a regular Prague conference devoted mostly to nonthermal biological effects of electromagnetic fields. I could not guess that meeting would be our last. However, during the years, I had the great pleasure of communicating with Hermann via emails. His writings were always interspersed with wise generalizations and a good portion of his subtle humor.

Hermann was a broad-minded person who continually

surprised me with his knowledge of the history and philosophy of science. The list of the published articles that he authored or coauthored numbers nearly 400! Professor Berg continued working almost to the time of his sudden and most untimely passing away.

Not long ago, Hermann found that specific pulsed electromagnetic exposures were effective in mitigating and even reversing the rapid development of some malignant tumors in mice. He was consumed with the possibility of applying this method in medical practice, and we discussed the physical parameters of a whole-body exposure system that would be sufficient to produce the necessary electromagnetic fields. These plans remained unexecuted. However, I believe many of Prof. Berg's students, fired by his enthusiasm, will continue working with his findings and learn how to use them to treat cancer diseases.

Hermann will be in my memory forever. We will miss him as an intelligent, witty, and charismatic person.

BEMS member Marko Markov, Ph. D. commented:

I was surprised to learn for the death of my friend Herman Berg, even knowing that in last two years he was seriously ill and spent some time in the hospital. Despite a serious difference in age (maybe 15 years) we were good friends. I visited him in his laboratory in Jena and he was a lecturer at two International Schools "Electromagnetic Fields and Biomembranes" I organized in Bulgaria.

But the most important for me was the first event: In 1975 I submitted an abstract for the Jena Symposium. Herman did not know who I was and offered me (at 34 years young!) the opportunity to be a member of the Scientific Committee and chair a session on EMF and membranes. As a result, I was able to attend the lunches and dinners with the most respected scientists in the area. You could not imagine how proud I was to see myself standing with scientists I had only dreamt of seeing (who, in addition, were the age of my father). Every other year Herman invited me to Weimar for these traditional Symposiums. Because of him, I became a known member of Bioelectrochemical Society and started to attend the meetings of this Society. Hermann Berg opened the doors for my participation in the international scientific community.

Prof. Herman Berg contributed greatly to developing the systematic research on the effect of electric and electromagnetic fields on biological systems. It was back in very early 1970's when Herman, together with a small group of electrochemists, created the Bioelectrochemical Society. Herman was for decades a member of the Board of this (Bioelectrochemical) society. After the death of Julio Milazzo, Dr. Berg became the Editor-in-Chief of the Journal of Bioelectrochemistry and Bioenergetics (today Bioelectrochemistry).

Over nearly two decades, the Jena Symposiums became a place of exchange of ideas, new research data and for establishing personal contacts between young and not so young scientists from all over the world. Herman was the organizer and driving force of these important scientific meetings.

It should be known that the doors of his laboratory were open for young scientists from Germany and world. If you had a chance to visit his laboratory you would see scientists from China, former Soviet Union, Romania, Bulgaria. As Bulgarian, I am proud to say that at least 10 of my co-patriots worked in his laboratory and received their Ph D in Jena.

When, in 1999, I published my first results on effects of magnetic fields in inhibition of angiogenesis and tumor growth in cancer tissues, Herman became very excited with this new opportunity of helping victims of cancer. He started research in his laboratory, published several very important papers and frequently asked me "What's new with cancer therapy?"

Unfortunately his life and research were suddenly cut off.

You will be remembered as exceptional scientist, individual and friend, my dear Hermann.

Colleague Stephen Smith, Ph.D. writes:

Hermann loved to visit other places, and cultures. He was a devotee of the American Wild West, and had a grand time at Fort Daniel Boone in Kentucky at the occasion of his birthday one year. He was also an admirer of the Japanese culture, and very knowledgeable about it.

Hermann was a gracious host when visiting scientists came to visit. He was an inveterate gardener, and loved to take visitors through the lovely hillside garden of his home. He was also a devoted family man, who loved his children and grandchildren, as well as his lovely wife, Liebgard. We will sorely miss this outstanding scientist and good and long-time friend.

CALENDAR FOR NL 213

European Society for Hyperthermic Oncology (ESHO) **26th Annual Meeting** (<http://www.esho.info/>)

Date: 20-22 May 2010

Location: Rotterdam, The Netherlands

European Bioelectromagnetics Association (EBEA), **EU COST Action BM0704 and URSI Commission K,** **Meetings.** (<http://www.ebea.org/menu.html>)

Date: May 26-29, 2010

Location: Bordeaux, France

Notice there are three coincident meetings at this location during this time:

- EBEA, May 26: "Bases for exposure limits".
- EU COST BM0704, May 27-28: "Research strategies related to RF emerging technologies".

- URSI Commission K, May 27-29: "EMF medical applications"

For additional information, contact Isabelle Lagroye (<mailto:isabelle.lagroye@ims-bordeaux.fr>).

32nd Annual Meeting of The Bioelectromagnetics Society (<http://www.bioelectromagnetics.org>)

Date: 13-18 June 2010

Location: Seoul KyoYuk MunHwa HoeKwan (also known as: SEOUL EDUCATION CULTURAL CENTER), South Korea

Conference co-chairs: Dariusz Leszczynski and Nam Kim

See additional note in this newsletter (page 1).

Progress In Electromagnetics Research Symposium (PIERS) 2010 (<http://piers.mit.edu/piers/>)

Date: 5-8 July 2010

Location: Cambridge, MA (USA)

2010 U.R.S.I. Commission B International Symposium on Electromagnetic Theory

(<http://www.cem.tf.uni-kiel.de/emts2010/>)

Date: 16-19 August 2010

Location: Berlin, German

6th International Workshop on Biological Effects of Electromagnetic Fields (<http://www.istanbul.edu.tr/6internatwshopbioeffemf/bodrum.htm>)

Date: 10-14 October, 2010

Location: Kefaluka Hotel, Akyariar, Bodrum, Turkey

MobiHealth 2010, International ICST Conference on Wireless Mobile Communication and Healthcare

(<http://mobihealth.name/orgncomm.shtml>)

Date: 18-20 October 2010

Location: Ayia Napa, Cyprus

Note: BEMS Journal editor, Jim Lin, is part of the steering committee for this meeting.

14th International Congress of Radiation Research (14th ICRR 2011) (<http://www.icrr2011.org/>)

Date: August 28 - September 1, 2011

Location: Warsaw, Poland

Contact: Prof. Marek K. Janiak, MD, PhD, Chair, Organizing Committee via Ewa Nowosielska (<mailto:ewan14@wp.pl>)

Please send new items for the calendar to bemsnewsletter@gmail.com

2009 - 2010 BOARD OF DIRECTORS

**Elected members
of the 2009 - 2010**

**Bioelectromagnetics Society Board of Directors
(year term ends)**

Past-President: Niels Kuster (2010)

President: Michael Murphy (2011)

President-Elect: Jeffrey Carson

Secretary: Phillip Chadwick (2010)

Treasurer: Vijayalaxmi (2010)

Treasurer-Elect: Phillip Chadwick (2013)

Representing the Biological and Medical Sciences

Carl Blackman (2010)

Maren Federowitz (2010)

Ann Ranjnicsek (2011)

David Black (2011)

Maria Rosaria Scarfi (2012)

P. Thomas Vernier (2012)

Representing the Engineering and Physical Sciences

Indira Chatterjee (2010)

Art Thansandote (2011)

Osamu Fujiwara (2012)

At-Large Board members

Chiyogi Ohkubo (2010)

Andrei Pakhomov (2011)

Andrew Wood (2012)

ABOUT THIS NEWSLETTER

The Bioelectromagnetics Society newsletter is published and distributed to all members of the Society. Institutions and libraries may subscribe to the newsletter at an annual cost of \$85(USD).

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For other Society business or information, contact Gloria Parsley, Executive Director, Tel: 301-663-4252, Fax: 301-694-4948. BEMS website: www.bioelectromagnetics.org
