

President's Page

What does it mean to have structural integrity in planning the scientific program? It means that all the internal processes fit harmoniously within a conceptual framework. Two key constructs that anchor a meeting framework are the meeting theme and the meeting location.

A good scientific program constitutes a comprehensive review of program evaluations from the previous year. We then define areas of research, education, and clinical practice that require new data, better knowledge, and more refined skills. From this platform we build a program that will shape the future of our leadership in aerospace medicine. In other words, we need to be proactive. Given this strategy, we will strengthen our emphasis on environmental and occupational health in this year's scientific program. Thus, the theme, "Thriving in Changing Environments" was adopted.

With theme in tow, the advanced party headed for Alaska in preparation for the 82nd annual meeting in Anchorage next year. So, I ask, "What's the purpose of a site visit?" As I returned from Anchorage, I realized that it is much more than a visit. A site visit offers many opportunities to enhance the scientific program by capitalizing on the environment of the region. It serves as the launch pad for creating alignment with the meeting theme. Good site visit planning means that you have a solid arrangements team in place, on site, who will spend time with the AsMA leadership in facilitating program development. Dr. Petra Illig, Arrangements Chair, Dr. Will Simmons, Deputy Chair, his wife Zulene Simmons, and others met with us to identify resources for program development.

A site visit offers opportunities to expand our membership by reaching out to individuals, small businesses, and corporations who may have an interest in aerospace medicine, particularly in challenging and changing environments. A vigorous brainstorming exploration brought forth a dozen potential local corporate businesses who may find a fit with AsMA. Follow up is in progress.

Capitalizing on the local market is the best form of advertising. Who do you know in Anchorage? Who do you know who knows someone in Anchorage? The beauty of this philosophy is that everyone can contribute to the fruits of a site visit. It's all about enthusiastic networking.

Universities and other institutions of higher education are being identified as potential resources for individuals who may be interested in attending an international meeting in aerospace medicine, being held right in their home town, next May, with plenty of time to plan for it.

Traditionally, members of AMSRO have conducted outreach programs during annual meetings to inspire



Marian B. Sides, Ph.D.

students in the fields of science, technology, and engineering. We will again deploy the spirit of AMSRO students and residents to meet with boys and girls in space camp at the Challenger Learning Center of Alaska. They will inspire young people to look beyond the ordinary, imagine the unattainable and to cultivate the power of questioning, even where there are, yet, no answers. After all, they will be our future.

Exhibitors are also creating momentum in support of our theme, "Thriving in Changing Environments." Wendy Thomas, representative for the American Meteorological Society, enthusiastically conversed with many meeting attendees in Phoenix regarding issues in environmental health. Conversations continue in planning for Anchorage.

Two other key constructs that contribute to the continuity of a meeting theme are the Louis H. Bauer Lecture and the Harry G. Armstrong Lecture. The Bauer Lecture this year will address terrestrial applications of space based technologies and bioregenerative life support systems for extreme environments. Aside from the technical aspects, the psychological issues of crewmembers in isolated confined environments will be addressed. The Armstrong Lecture will address the effects of extreme weather patterns on human health.

The theme of this year's meeting is broadly defined and encompasses many dimensions of aerospace medicine. I challenge each of you to tap your own expertise. We have two months to submit a paper. We have eight months to invite guests, bring new members, and build our attendance for Anchorage. Let us amass our energy for the advancement of science, revel in the romance of discovery and create a legacy of devotion to innovation. The world will not wait for us to lead. If we don't create the future, tomorrow's innovators will arise elsewhere. We need to invest now in the research and education necessary for us to "thrive in these changing environments."

Association News

Frank Austin, former AsMA President, Dies

Frank Austin, Jr., M.D., former President of AsMA from 1976-77, has died. He was the first Flight Surgeon to graduate from the Navy Test Pilot School at NAS Patuxent River, MD, and held a dual designation as a Flight Surgeon/Naval Aviator. He conducted biomedical monitoring of Navy and Marine pilots for



many years, and during Project Mercury monitored Alan Shepard's first suborbital flight and later John Glenn's first orbital flight. During his career, his work involved human factors design of "Space Station Freedom" and of environmental systems and EVA suits and systems. He was a member not only of the Aerospace Medical Association, but also of several constituent groups and served many years on the Council and a number of committees. He was the organizer and Founding President of the Society of U.S. Naval Flight Surgeons and the impetus for the organization of the International Association of Military Flight Surgeon Pilots.

Dr. Austin earned his M.D. from Southwestern Medical College in Dallas, TX, in 1948 after attending Premedical classes at the University of Texas from 1942-44. He served an internship at Naval Hospital, Long Beach, CA, from 1948-49, then a year of General Surgery Residency at Naval Hospital Long Beach and Great Lakes, IL. He received Flight Surgeon Training at the School of Aviation Medicine in Pensacola, FL, from 1950-51, and later served an Aviation Medicine Residency from 1961-62. He earned an M.P.H. at the University of California, Berkeley, in 1963 and attended U.S. Navy management courses in 1956, 1964, 1973, and 1976. He also attended the FAA's Senior Executive Management School, NASA management courses, and continuing medical education between 1986 and 2000.

From 1951 to 1952, Dr. Austin was deployed to Korea, Kaneohe, Hawaii, and El Toro, MCAS, CA, with the Marine Air Wing. From 1952-56, he was assigned to Development Squadron, Pensacola, FL, and Atlantic City, NJ, as a Naval Aviator/Flight Surgeon. He took engineering test pilot training and became a Designated Naval Pilot, and was assigned as Head, Aeromedical Test Branch, Naval Air Test Center, Patuxent River, MD, from 1956-59. In early 1959, he was re-assigned as a Naval Aviator/Flight Surgeon/Instructor Pilot at the VF-174 Fighter Training Wing in Jacksonville, FL, where he served until 1961. From 1960 until 1962, he also served with NASA as Project Mercury Medical Monitor, deploying to six locations to monitor manned spaceflights.

From 1963 until 1965, Dr. Austin served on the U.S.S. Enterprise as the Senior Medical

Officer. In 1965, he became Director of Aeromedical Safety at the Bureau of Medicine and Surgery, U.S. Navy, in Washington, DC, serving there until 1968, when he was promoted to Head of the Aeromedical Branch, U.S. Navy Safety Center, in Norfolk, VA. He became Force Medical Officer, Naval Air Atlantic, in Norfolk in 1970, then served as Head of Aerospace Medicine, Bureau of Medicine and Surgery, U.S. Navy, Washington, D.C., from 1972-77. He served for another year as Director of Environmental & Life Sciences, Office of the Undersecretary of Defense for Research and Engineering, then retired from the Navy in 1978 with 32 years of service.

In his next career, Dr. Austin served as Assistant Director for Medical Operations, Space and Life Sciences, NASA Johnson Space Center, Houston, TX, until 1980, when he transferred to become Medical Director of the Kelsey Clinic, NASA Ames Research Center, Moffett Field, CA, until 1984.

From 1984-87, he was the Federal Air Surgeon, Office of Aviation Medicine, FAA. He then served as Advisor to the Director of Aviation Safety for Human Factors and Performance, FAA, for most of 1987. In late 1987, he returned to NASA as Crew Systems Engineering Manager at the NASA Space Station Program Office in Reston, VA, until he retired again in 1994. Unable to sit idle, Dr. Austin became consultant and practiced as an FAA Medical Examiner until 2000, when he retired for the last time.

Dr. Austin's awards include the Bronze Star; two Air Medals and 10 military citations; the Julian E. Ward Memorial Award in 1963, the Harry G. Moseley Award in 1973, and the Louis H. Bauer Founders Award in 1985 from AsMA; the Legion of Merit from the Secretary of the U.S. Navy; the Jeffries Research Award from the American Institute of Aeronautics and Astronautics; the Mitchell Award for a Lifetime of Significant Contributions from the Society of Naval Flight Surgeons; and a Presidential Citation from the Aircraft Owners and Pilots Association for "50 years of dedicated service and extraordinary contributions to both military and civilian aviation." He was a member of the American Medical Association, the Institute of Aeronautics and Astronautics, the Aircraft Owners and Pilots Association, the Experimental Aircraft Association, the Space Medicine Association, the Society of NASA Flight Surgeons, the Aerospace Human Factors Association, the Airlines Medical Directors Association, and the Civil Aviation Medical Association. He was also an Honorary Member of the Golden Eagles, a Life Member of the Society of Experimental Test Pilots, a Diplomate of the International Academy of Aviation and Space Medicine, a Charter Member of the Association of Naval Aviation, a Fellow of the Aerospace Human Factors Association, and a Fellow of AsMA.

Executive Director's Column:

82nd Annual Scientific Meeting – Anchorage, AK

A small AsMA team recently visited Anchorage, AK, for a site visit in preparation for our May 2011 Annual Scientific Meeting. I had never been to Alaska before and I was very excited to see what our 2011 meeting site had to offer. I can honestly report to you that Anchorage offers us more than I ever anticipated!

Anchorage is a beautiful city nestled on a strip of coastal lowlands that juts into the Cook Inlet just west of the Chugach Mountains. Water to the west...mountains to the east! Spectacular views in all directions! The weather in July was perfect...highs in the 60s to low 70s and nighttime lows in the 50s. Who needs air conditioning?

Our meeting will take place primarily in the new Dena'ina Civic and Convention Center. The center is approximately three times larger than the Egan Convention Center used by AsMA during the 2004 Annual Scientific Meeting. The Dena'ina offers AsMA ample space for exhibits and scientific sessions. Multiple rooms with sliding walls offer us the flexibility to adjust room sizes based upon our estimates of session attendance numbers. You can get a better idea of this wonderful meeting venue at <http://www.anchorage.net/1853.cfm>.

Debra and I extended our stay to take in a little more of Alaska so we were able to spend one night in each of the four hotels we will be using for our meeting. Our first night in Anchorage was spent in the Westmark Hotel, owned and operated by Holland America Cruise Line. The room was quite spacious, clean, and comfortable. This hotel is offering a block of rooms at a rate less than government per diem. The Westmark Hotel is closest to the Dena'ina Convention Center and is just across the street from two excellent restaurants and a Starbucks! Learn more at <http://www.westmarkhotels.com/anchorage.php>.

Our second night was in the Marriott Anchorage Downtown Hotel. The Marriott

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ANCHORAGE VISIT--Dena'ina Civic and Convention Center.

2010 Life Sciences and Biomedical Engineering Branch (LSBEB) Awards

Ross McFarland Student Award Nilsson Holguin

Nilsson Holguin received the Ross McFarland Student Award for his paper "Brief Bouts Of Low-Level Vibrations Attenuate Changes In Intervertebral Disc Morphology And Composition During Simulated Weightlessness." This award, presented in conjunction with the AsMA Annual Scientific Meeting, is given to the author of the best student paper accepted by the AsMA Scientific Program Committee that reports on a significant achievement in biomedical engineering. There are no nominations for this award—the best abstract from those submitted by students each year is selected by a committee based on scientific merit, clarity of presentation, application of findings, and scope of interest in the outcome.

Research and Development Innovation Award: Lance Annicelli

The LSBEB Research and Development Innovation Award is given to an individual who has demonstrated innovative life sciences and/or biomedical engineering research as related to the design or development of aerospace medical equipment or systems. The award is sponsored by the David Clark Company.

This year, Lt. Col. Lance Annicelli, USAF is



MACFARLAND AWARD--This award, sponsored by Gentex, is presented by Mr. John Winship and accepted by LSBEB President CDR Deborah White for Nilsson Holguin.



R&D INNOVATION AWARD--Sponsored by David Clark Company, the award is presented by Mr. Jack Bassick to Lt.Col. Lance Annicelli.

recognized for his work with electrical muscle stimulation and the Anti-G Straining Maneuver (AGSM), which has led to a unique, patent pending, concept for aircrew G protection. Lt. Col. Annicelli was part of a group that included Drs. Ulf Balldin and John Gibbons, and Maj.(Ret.) James Kisner that determined the feasibility of using electrical muscle stimulation to enhance G tolerance for a true transparent G protection system.

Lt. Col. Annicelli has been a pioneer in researching new and novel ways to improve aircrew protection and enhance pilot performance. This started with his thesis on isometric muscle contractions during the Anti-G Straining Maneuver (AGSM) from the University of Nevada, Las Vegas. His initial work for the Air Force's Research Laboratory's Aircrew Performance and Protection Branch examined the notion of augmenting isometric muscle tensing contractions required by the AGSM to achieve maximum muscle fiber recruitment to counter the debilitating effects of sustained G forces. Between 2005 and 2006 pilot studies proved that the use of electrically stimulated muscle contractions could effectively illicit equal or greater blood pressure effects than the AGSM alone. Throughout 2006, a muscle stimulation suit was developed to be worn under the pilot's flight suit. This working prototype was used in several successful "proof of concept" demonstrations. Early results were published in *Aviation, Space, and Environmental Medicine* and presented at national and international symposia including the Aerospace Medical Association and the Society of Human Performance in Extreme Environments. Funding for further development has been awarded by the Air Force Medical Service's Research and Development Division.

A. Howard Hasbrook Award: Keith Higginbotham

The 2010 LSBEB A. Howard Hasbrook Award was presented to MAJ Keith Higginbotham, USN. The award, sponsored by Athena GTX, recognizes an individual who has provided noteworthy data or design with respect to safety, survivability or crashworthiness relevant to aircraft or space vehicles.

MAJ Higginbotham is recognized for his work in identifying and correcting a design fault in the quick disconnect used with the CRU-103 oxygen (O₂) chest-mounted regulator on the V-22. Egress testing proved that the QD feature failed to disconnect the mask hose from the regulator 100% of the time; this was highlighted during an emergency egress where an O₂ regulator delayed egress by 3-5 seconds. In his analysis, several items were noted, including the concern that the CRU-103 QD could be suspended in any orientation during egress, impeding the straight in-line pull required between the O₂ mask and the QD attachment on the regulator. He designed a flexible QD attached to the CRU-103 with a flexible hose that allows the QD to flex in-line with egress. The CRU-103 QD attachment hose was operationally tested during emergency egress exercises and demonstrated to the V-22 System Safety Working Group, CV-22 System Safety Engineer, then tested and evaluated by the NAVAIR Oxygen Systems Office and by the NAVAIR Airworthiness Office. As

a result, NAVAIR granted fleet wide flight clearance for the redesigned CV/MV-22 CRU-103 QD attachment hoses and provided it in a kit through a Time Compliance Technical Order retrofit for each crew position on all V-22s. The impact of this work not only can save lives but will also initially save fleet money for the next four fiscal years that V-22 won't have to spend on switching to panel-mounted regulators. Estimates of savings for the U.S. Air Force are in the range of \$690K for the 10 CV-22 fleet and the USN will save approximately \$5.8M for the 85 MV-22 fleet for a total DoD savings of \$6.5M.

Professional Excellence Award: Wayne Isdahl

The 2010 LSBEB Professional Excellence Award, presented to Mr. Wayne Isdahl, recognizes an individual who has produced outstanding research accomplishments or technical and/or research management achievements important to life sciences and/or biomedical engineering of a number of years.

Upon arrival at Brooks AFB in 1983 Wayne Isdahl began and subsequently sustained a centrifuge upgrade program that over the next 27 years would turn a simple training machine

See *LSBEB*, p. 904



HASBROOK AWARD--Sponsored by Athena GTX, the award is presented by CDR Deborah White, to Keith Higginbotham; Don White accepted the award.



LSBEB PROFESSIONAL EXCELLENCE AWARD--Sponsored by Eagle Applied Sciences, the award is presented by Mr. Thomas Morgan to Wayne Isdahl.

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into a vital and enduring RDT&E platform. This included upgrading the Brooks centrifuge from its original 1 G/s hydraulic drive to a 6 G/s direct electric drive machine. He also planned and implemented incremental increases in the instrumentation and test capability of both the centrifuge and adjacent research chambers. This included the development of a unique (three compartment) rapid decompression capability.

Beginning in 1986 he supported the DT&E and man-rating of the original Tactical Life Support System, a dem-val program that successfully introduced OBOGS and pressure breathing for G (PBG) to the fighter community.

These capabilities attracted U.S. and international organizations to come to Brooks for man-rating prototype life support systems, including the YF-22 and YF-23, Sweden's FMV Saab's Gripen aircraft, the Air Force's COMBAT EDGE system, the Advanced Technology Anti-G Suit (ATAGS), and Dassault's electronically controlled life support system in the Rafale fighter. Wayne also assisted in evaluating the German Libelle. He was pivotal in development and man-rating of the final F-22 life-support system, an F-16 OBOGS retrofit, and the life support systems for the F-15 E and the JPATS. He provided critical expertise to the USN and RAF with the closure of their facilities in the 1990s.

Most significantly, he has been a guiding force and technical conscience for development of the life support system in the Joint Strike Fighter. Since its arrival for man-rating in 2007 he has helped guide the system through two major design changes, in each case proposing solutions that have found their way into the system's final design standard.

Wayne's most enduring contribution resulted from the recent BRAC which forced him to summarize a life-time of RDT&E experience into requirements and specifications for a new human centrifuge and research chambers to be built at Wright-Patterson AFB, OH. The resulting complex, capitalized at over \$56 million, will convey the sum of his experience to future generations of students, researchers, and developers.



LSBEB PRESIDENTS--Back row from left to right: Bob Shafstall, Phillip Whitley, Bill Ercoline, William Fraser, Glenn Mitchell, Estrella Forster, Leonid Hrebien, Ulf Balldin. Front row from left to right: Barry Shender, Thomas Morgan, Deborah White, Bill Albery, Lloyd Tripp.

2010 Aerospace Human Factors Association Awards

Stanley N. Roscoe Award: Kristen L. Casto

Dr. Kristen L. Casto, Ph.D., is the recipient of AsHFA's 2010 Stanley N. Roscoe Award presented for the best Doctoral Dissertation written in a research area related to Aerospace Human Factors.



Dr. Casto received her doctorate degree from Virginia Polytechnic Institute and State University. Her dissertation,

"Workload and Communication Signal Quality on Black Hawk Helicopter Simulator Pilot Performance," was an evaluation of Army helicopter pilot performance with regard to flight workload, communication signal quality, headset configuration, and pilot hearing ability. Objectives of the study included the ability to refine current Army audiometric hearing waiver criteria and to yield data on which to base flight and headset selection recommendations for pilots.

Henry L. Taylor Founders Award: Scott Shappell

Dr. Scott Shappell, Ph.D., is the 2010 recipient of AsHFA's Henry L. Taylor Founder's Award that is given in recognition of outstanding contributions in the field of Aerospace Human Factors. AsHFA annually presents this award to an individual meeting the following criteria: 1) research and publications; 2) special original contributions (e.g., equipment, techniques, and procedures); or 3) general leadership in the field (e.g., teacher, director of laboratory, officer scientific societies, etc.).

Dr. Scott Shappell is a well-known human factors professional who has made significant contributions to the field of aerospace human factors. In addition to his early work on fa-

tigue and shift work, he is probably best known for his research in the areas of human error, human factors safety-management systems and fatigue effects on performance. Most



notably, he is the co-developer of the Human Factors Analysis and Classification System (HFACS) and Human Factors Intervention Matrix (HFIX), groundbreaking tools used to identify and prevent human causal factors associated with accidents in high-risk industries such as aviation, mining, rail, energy, and medicine. Indeed, HFACS has quickly become a standard for human factors analysis of accidents/incidents across many domains – a testimony to its broad general appeal.

Dr. Shappell is currently a tenured Professor of Industrial Engineering at Clemson University and Deputy Director of the Human Factors and Ergonomics Research Institute.

Dr. Shappell is currently a tenured Professor of Industrial Engineering at Clemson University and Deputy Director of the Human Factors and Ergonomics Research Institute.

William E. Collins Award: John A. Caldwell

John A. Caldwell, Ph.D., is the 2010 recipient of AsHFA's William E. Collins Award presented for the Outstanding Human Factors Publication of the Year for work completed during the previous calendar year.

The winning article, entitled "Fatigue Countermeasures in Aviation," was published in the January 2009 issue of *Aviation, Space and Environmental Medicine*. Co-authors included



Melissa M. Mallis, J. Lynn Caldwell, Michel A. Paul, James C. Miller, and David F. Neri. The article reviewed the results of state of the art fatigue research and was developed by the Aerospace Human Factors Committee in support of AsMA's position statements for: 1) crew

rest, flight, and duty time regulations; 2) use of in-flight countermeasures; 3) use of hypnotics; 4) improving sleep and alertness; 5) non-FDA-regulated substances; 6) new technologies; 7) use of stimulants to sustain flight performance; and 8) the military use of sleep-inducing agents.

Donate to the Foundation

The AsMA Foundation supports the field of Aerospace Medicine through financial support of educational and scientific programs, providing scholarships to members in training, supporting grants for research programs, etc. Please visit their website at: http://www.asma.org/asma_foundation/foundation-index.php. Send checks to: AsMA Foundation, 700 Gemini St., Suite 110, Houston, TX 77058.

Donations are tax deductible.

ECAM



2nd European Conference of Aerospace Medicine
together with
5th Panhellenic Conference in Aviation & Space Medicine

**Conference
Venue**

Royal Olympic Hotel*****

10 - 13 November 2010

Old Athens City (Plaka), Greece



Hellenic Society for Aviation & Space Medicine
Ελληνική Εταιρεία Αεροπορικής & Διαστημικής Ιατρικής

Meetings Calendar

September 26-29, 2010; American Academy of Otolaryngology-Head & Neck Surgery Annual Meeting and OTO Expo 2010; Boston, MA. Info: www.entnet.org/annual_meeting/index.cfm.

September 28-29, 2010; IATA Aviation Health Conference; Sheraton Skyline Hotel, Heathrow, London, UK. For more info, visit www.iata.org/events/aviation-health/Pages/index.aspx.

October 7-9, 2010; CAMA Annual Scientific Meeting; Pensacola, FL. To be held at the Crowne Plaza Pensacola Grand Hotel. Info: www.civilavmed.com/Meeting_Events.htm.

October 10-14, 2010; 58th International Congress of Aviation and Space Medicine; Marina Bay Sands, Singapore. Info: www.icasm2010.com.

October 21-24, 2010; American Academy of Environmental Medicine's 45th Annual Scientific Meeting; Hilton La Jolla Torrey Pines, San Diego, CA. Info: www.aemonline.org/CFP.html.

October 24-28, 2010; American Osteopathic Association's OMEC 2010; Moscone Convention Center, San Francisco, CA. Info: <http://www.do-online.org/> or contact glapin@osteopathic.org.

October 27-30, 2010; XXVII International Meeting of Aerospace Medicine; Dorado Pacifico Hotel, Zihuatanejo, Guerrero, Mexico. Info: Luis Amezcua, e-mail lamezcua@prodigy.net.mx; or visit <http://www.amma.org.mx>.

November 3, 2010; Autonomic Disorders & Syncope Workshop; Marco Island, FL. For more information, please contact Anita Zeller, AAS Executive Secretary, American Autonomic Society, 18915 Inca Ave., Lakeville, MN 55044; 952-469-5837; fax 952-469-8424; or visit www.americanautonomicsociety.org.

November 3-6, 2010; The 21st International Symposium on the Autonomic Nervous System; Marco Island, FL. Info: Anita Zeller, AAS Executive Secretary, American Autonomic Society, 18915 Inca Ave., Lakeville, MN 55044; 952-469-5837; fax 952-469-8424; <http://www.americanautonomicsociety.org>.

November 8-10, 2010, 48th Annual SAFE Symposium, Town & Country Resort and Convention Center, San Diego, CA. Info: <http://safeassociation.com>.

November 6-10, 2010; 138th Annual Meeting & Exposition of the American Public Health Association; Denver, CO. Info: <http://www.apha.org/meetings/>.

February 16-19, 2011; Preventive Medicine 2011; San Antonio, TX. American College of Preventive Medicine's Meeting. Info: www.preventivemedicine2011.org.



TEXAS

44th UHMS Annual Scientific Meeting

June 15-18, 2011

Renaissance Worthington



Undersea & Hyperbaric Medical Society
Office of Naval Research
NAVSEA

www.uhms.org



NEWS OF MEMBERS

Send information for publication on this page to: **News of Members**
Aerospace Medical Association
320 S. Henry Street
Alexandria, VA 22314-3579
pday@asma.org



ESAM & AsMA—(left to right) Dr. Gabor Hardicsay (Chair of AsMA International Activities), Jeff Svntek (AsMA Executive Director), Dr. Roland Vermeiren (President of ESAM), Dr. Bob Weien (President of AsMA at the time), Dr. Hans Pongratz (ESAM's representative to AsMA), Dr. Kevin Herbert (ESAM Information Director), and Dr. Andrew Bellenkes (AsMA's representative to ESAM).

ESAM and AsMA Delegates Meet

On Thursday, May 13th, 2010, members of the Executive Committee of the European Society of Aerospace Medicine (ESAM) who attended the AsMA conference in Phoenix, the representatives from ESAM to AsMA and from AsMA to ESAM, and the chair of the international activities at AsMA met with the President of AsMA and the Executive Director to discuss and confirm future activities between those two organizations. The main goal is to work together in the fields of Flight Medicine, Flight Safety, Human Factors, as well as many others.

Cdr(Ret) Andrew Bellenkes, Ph.D., will represent AsMA at the European Conference of Aerospace Medicine at Athens in November this year. In order to build strong links and to provide an interchange of information ESAM offered the possibility of a dedicated slot for AsMA on the ESAM homepage. The possibility of a regular article, to be published in the journal of AsMA (ASEM), giving an update on developments in Europe was agreed upon. The ESAM representatives felt strongly that future Scientific Conferences should include panels or presentations sponsored by either AsMA or ESAM. A joint conference would be an ambitious goal for the future. The prospect of a future AsMA Conference being held in Europe was supported by all present.

Obituary Listing

AsMA recently learned that Christopher R. Alsten, Ph.D., of San Diego, CA, has died. Dr. Alsten was Executive Vice President of Inner Health, Inc., where he researched topics such as insomnia in the elderly and shift work sleep disorders. He had been a member of AsMA since 1994. He most recently presented at the AsMA annual meeting in Phoenix: "Sleep Enhancement Training to Reduce Aircrew Fatigue" and was co-author with T. B. Jackson on "Sleep Enhancement Training to Reduce USAF Shift Worker Fatigue."

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offers recently renovated rooms that are very clean, fresh, and comfortable. It also offered in-room control of the heat and air conditioning. The Marriott is offering their rooms at the government per diem rate for our meeting. The Marriott is a very short walk to the Dena'ina Convention Center, restaurants, and Starbucks! Learn more at <http://www.marriott.com/hotels/travel/andct-anchorage-marriott-downtown/>.

Deb and I spent our third evening at the Hilton Anchorage Hotel – one of our co-headquarters hotels. We have a large block of rooms at the Hilton for our meeting, offered at government per diem rate. This hotel was completely renovated in the last two years and it sparkles! Our room was large, bright, clean, and very comfortable. It also offered in-room control of the heat and air conditioning. The bathroom was the largest we experienced. Some of our luncheons and reception events will be hosted at the Hilton Anchorage Hotel. The Hilton is the farthest from the Dena'ina Convention Center but is still a comfortable walk. Learn more at: http://www1.hilton.com/en_US/hi/hotel/ANCAHHF-Hilton-Anchorage-Alaska/index.do.

Our final night in Alaska was spent at the Captain Cook Hotel. This hotel has a rich history and that is evident throughout the hotel and its many shops and restaurants. The hotel uses rich, dark wood on its walls and ceilings. Our room was comfortable, clean, and well-appointed. We found our Captain Cook room to be the smallest of the four hotels, but it was



JOURNAL IN SPACE--Sarah Nunneley, M.D. (center), Editor Emerita and Fred Bonato, Ph.D. (left), Editor-in-Chief of *Aviation, Space, and Environmental Medicine*, pose with Michael Barratt, M.D. (right). Dr. Nunneley is holding the copy of the journal that flew aboard the Soyuz TMA-14/Space Station Missions 19/20 with Dr. Barratt and the Certificate of Flight. Dr. Barratt presented the Journal and the Certificate to AsMA at the Annual Meeting in Phoenix this past May.

still very comfortable. The Captain Cook does not offer air conditioning but since we will be visiting in early May there will probably not be a need for cooling the air! The restaurants at the Captain Cook are fantastic! Walking distance from the Captain Cook to the Convention Center is slightly less than from the Hilton and is a very easy walk. Learn more here: <http://www.captaincook.com/>.

There are many opportunities for sight-seeing and outdoor excursions. During our trip, we took a flight-seeing tour on a float plane to see the coastal plains, mountains, glaciers, and wildlife. All within an easy drive of Anchorage are the Alyeska Resort (<http://www.alyeskaresort.com/>), the Alaska Wildlife Conservation Center (<http://www.alaskawildlife.org/>), the Alaska Aviation Heritage Museum (<http://www.alaskaairmuseum.org/>), and a nice botanical garden (<http://www.alaskabg.org/>). There are other tours and excursions in the area that will astound you! Come early and stay late for our 2011 Annual Scientific Meeting. You'll have much to see and experience in Alaska!!!

New Members

Blue, Rebecca S., Dr., Orlando, FL
 Chen, Naili A., Lt.Col., USAF, Brooks City-Base, TX
 Cronyn, Patrick D., LT, MC, USN, Bethesda, MD
 McPherson, Mark K., Lt.Col., USA, San Antonio, TX
 Santopietro, Chris, M.D., Wolcott, CT
 Walker, Christopher S., Lt.Col., USAF, Brooks City-Base, TX

CLASSIFIED AD

July 2011 Mayo Clinic Aerospace Medicine Fellowship Position

Two-year Aerospace Medicine Fellowship (includes a Masters in Public Health) position open to physicians who have completed an ABMS approved clinical residency. For those with an M.P.H., we invite applications for a one-year fellowship. For applications please visit: <http://www.mayo.edu/msgme/> or contact the program director, Lawrence Steinkraus, M.D., M.P.H., for details at 507-284-9966. Deadline for submission of applications: October 31, 2010.

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