

# President's Page

*"Two roads diverged in a wood, and I-  
I took the one less traveled by,  
And that has made all the difference."*

--Robert Frost

Over the last four months, I have attempted to introduce you to the diversity of our AsMA family based on country of citizenship, membership in our Affiliate Organizations, and membership in our Constituent Organizations. Many of you have asked how to be more involved in our family business. The easiest way is to join one or more of our Standing Committees. Below are all of our committees with a brief explanation of their function.

## **Aerospace Human Factors Committee**

The field of aerospace human factors includes a multidisciplinary approach involving behavioral, biomedical, psychosocial, physiological, and engineering factors. This committee is responsible for performing studies, sponsoring panels and seminars, and preparing reports, resolutions, and recommendations concerned with improving human factors input in the concept, design, development, testing and evaluation, and operational deployment of aerospace programs and systems.

## **Air Transport Medicine Committee**

This committee is responsible for performing studies and preparing reports, resolutions, and recommendations on biomedical aspects of air transport operations. Its efforts concentrate on the promotion of international health, safety, and care through the mechanism of collecting information, analyzing data, and recommending solutions leading to improving health and safety in air transport operations.

## **Aviation Safety Committee**

The goal of this committee is to improve the safety of aviation activities. The committee directs its efforts to identifying and resolving specific, important aviation safety issues, national or international in scope, which represent a significant threat to the health and safety of people involved in aviation activities, either as crewmembers or passengers, through educational and regulatory processes.

## **Awards Committee**

The Awards Committee obtains and reviews nominations for the various awards and honorary citations presented by the Association and makes recommendations to the Council.

## **Bylaws Committee**

This committee is a fact-finding committee on matters pertaining to the Constitution and Bylaws. It studies proposed amendments to the Bylaws referred by the Council, and make its recommendations to the Association through the Council. These are then presented through specific channels to the membership for approval at the annual business meeting.



Fanancy Anzalone, M.D., M.P.H.

## **Communications Committee**

This committee oversees the communications program of AsMA including brochures, books, and electronic media.

## **Corporate and Sustaining Membership Committee**

This committee is responsible for initiating programs and activities whose purposes and objectives are to increase and represent the interests of the corporate and sustaining members.

## **Education and Training Committee**

This committee promotes international aerospace medicine and allied disciplines through excellence in education and training conducted or cosponsored by the Association and consistent with the Association's objectives. It establishes procedures to ensure the dissemination of educational and training related information and materials to the membership; coordinates the Association's education and training needs with the Scientific Program Committee; and coordinates the Association's Continuing Medical Education (CME) role.

## **Finance Committee**

This committee updates and reviews the Association's financial balance sheets on an ongoing basis, provides an overview of the Association's financial position to the Council at its regular meetings, and brings forward or reviews potential new courses of financial action.

## **History and Archives Committee**

This committee is responsible for acquiring, preserving, and maintaining those items of historical significance which represent and depict the achievements of the Association and its members. This responsibility is exercised through historical research, commemorative presentations, and fostering the preservation of library, archival, and museum collections.

## **International Activities Committee**

This committee is responsible for initiation, coordination, and promotion of international scientific and technical meetings to promote international cooperation and understanding in the field of aerospace medicine.

See *PRESIDENT*, p. 1007.

# Association News

## NASA's Human Research Program Hosts the 18th Humans in Space Symposium in Houston, TX, April 11-15, 2011

The NASA Human Research Program (HRP) along with partners in the Houston area [University of Houston; Universities Space Research Association; National Space Biomedical Research Institute (NSBRI); University of Texas Medical Branch (UTMB); Wyle Integrated Science and Engineering Group; and NASA JSC Engineering Directorate, Systems Architecture and Integration Office] were successful in their bid to host the 18th International Academy of Astronautics (IAA) Humans in Space Symposium in April 2011, which was held at the Westin Galleria Houston. The first "Man in Space" Symposium was in Paris in 1962, 2 years after the founding of the IAA. Aims of the IAA are to "foster the development of astronautics for peaceful purposes; recognize individuals who have distinguished themselves in a related branch of science or technology; provide a program through which members may contribute to international endeavors; and cooperate in the advancement of aero-space science."

More than 500 scientists/researchers, flight surgeons, engineers, astronauts, program managers, teachers, and others from around

the world attended the Symposium, and the presentations were characterized by the many papers with multinational, multi-agency, multi-institutional, and multidiscipline authorship. Dr. Jeffrey R. Davis, Symposium Chair, opened the meeting. Opening ceremonies speakers included former astronaut Michael Coats, Director, NASA Johnson Space Center, and Dr. Chiaki Mukai, astronaut and Manager of the Space Biomedical Research Office, JAXA, who represented Dr. Jean-Michel Contant, IAA Secretary General.

Dr. Joe Kerwin, former Navy pilot, flight surgeon, astronaut, and first U.S. physician in space on the 1973 28-day Skylab mission, was keynote speaker. He addressed the importance of research on the International Space Station (ISS) "now" so that when the first exploration crew is on the launch pad we will have confidence – in the systems, the medical care, the resolution of current problems, and the entire crew's ability to perform – that the mission will be a success. He emphasized the importance of being an international team; of having adequate funding and sharing data, including past data; and of effectively using our investment in space, the ISS.

The scientific sessions were comprised of panels in the mornings consisting of presentations around a central theme and poster presentations in the afternoons, focused on

the theme of the day, that provided opportunities for detailed discussions among investigators. The panels and poster sessions are listed below (p. 1007).

Several panels were of special historical significance for this symposium. A commemoration of the 50th anniversary of the first human spaceflight by Yuri Gagarin featured Russian scientists from the Institute of Biomedical Problems of the Russian Academy of Sciences who have been with the USSR/Russian space program since those "first" years and U.S. scientists who were with the program in the early days of human spaceflight and international cooperation. A commemoration of the 30th anniversary of the first Space Shuttle flight featured a video film of former President George H. W. Bush, who reminisced on the first flight in April 1981 and hailed the great contributions of the Space Shuttle Program and the ISS to biomedical and other research that has benefited spaceflight and life on Earth. Former astronaut Robert Crippen, recipient of the Congressional Space Medal of Honor and Pilot of the first (and other) space shuttle missions, presented a fascinating description of his experiences as an astronaut. In these sessions, Roger Launius, Chief Historian of NASA and Senior Curator for Human Space Flight at the Smithsonian National Air and Space Museum, wowed the audience with

*See NASA, p. 1007.*

### Meetings Calendar

**October 6-8, 2011; CAMA Annual Scientific Meeting; Tucson, AZ.**  
Info: david.millett@yahoo.com  
**October 17-19, 2011; Air Medical Transport Conference; St. Louis, MO.** Association of Air Medical Services. Info: <http://www.aams.org>  
**October 24-26, 2011; 49th Annual SAFE Symposium; Reno, NV.**  
Grand Sierra Resort and Casino. Info: [safe@peak.org](mailto:safe@peak.org); <http://www.safe-association.com>

### Future AsMA Meetings

May 13-17, 2012  
Atlanta Hilton  
Atlanta, GA

May 12-16, 2013  
Chicago Sheraton  
Chicago, IL

May 11-15, 2014  
San Diego Hilton  
San Diego

May 10-14, 2015  
Walt Disney World Swan and Dolphin Hotel  
Lake Buena Vista, FL

### Abstract Submission NOW OPEN!

[www.asma.org](http://www.asma.org)  
The 83rd Annual AsMA Scientific Meeting will be held in Atlanta, GA, May 13-17, 2012.  
**ABSTRACT DEADLINE IS OCTOBER 31.**



## European School of Aviation Medicine

### Training Courses 2012 for JAA/FAA Aero Medical Examiners

**Aviation Medicine/ Travel Medicine  
Diploma Course 21** 17 – 25 March 2012

**AME Class 2  
Basic Course 22** 1 – 9 September 2012

**AME Class 1  
Advanced Course 22** 8 – 16 December 2012

**Venue: Lufthansa Aeromedical Center,  
Frankfurt Airport.**

Application forms and further details under [www.flugmed.org](http://www.flugmed.org)  
or [www.eusam.org](http://www.eusam.org).

**International Aero Medical Seminar (FAA)  
in Berlin** 23 – 26 August 2012

NASA, from p. 1006.

lively historical presentations on both eras, providing information many of us had forgotten or had never known.

The panel on commercial spaceflight provided a vision of a future aspect of the U.S. spaceflight program. Former NASA astronaut Kenneth Bowersox, Shuttle Mission Specialist, Pilot, and Commander of the 6th ISS mission, who is currently Vice President, Space Exploration Technologies Corporation (Space-X), described two of Space-X's launch vehicles: Falcon 1, which can carry up to 800 pounds to low Earth orbit, and Falcon 9, which is designed for human spaceflight. John Curry, former NASA flight director for Shuttle and ISS programs, who is currently working with Sierra Nevada Corporation, described their Dream Chaser program, based on a reusable "winged" (airfoil) spacecraft capable of carrying a crew of seven to the ISS, to be launched by an Atlas 5 rocket starting in 2014. Dr. James Vanderploeg, former NASA flight surgeon and currently Associate Professor at UTMB, Medical Director of Wyle, and Chief Medical Officer of Virgin Galactic, described the medical requirements and testing for Virgin Galactic "Founders," that is the first 100 paid passengers for commercial suborbital spaceflights.

In the evenings, symposium attendees were treated to three special presentations. The Hubble IMAX movie was shown at the Houston Museum of Natural Science and astronaut John Grunsfeld, who was instrumental in repair of the Hubble Telescope, shared his personal experiences in that gripping story that transformed astronomy. Dr. Neil de Grasse Tyson, noted science popularizer, Director of the Hayden Planetarium, and Visiting Research Scientist and Lecturer at Princeton University, spoke at the University of Houston. And Dr. David F. Dinges, Professor of Psychology in Psychiatry at the University of Pennsylvania School of Medicine, described the fascinating life and career of Fridtjof Nansen, Ph.D., the great Norwegian polar explorer, scientist, and humanitarian.

To involve "the next generation of space life scientists," two special events encouraged international student participation in space life sciences and in the Symposium. Dr. Jancy McPhee conceived and managed an international art competition for youth ages 10-17 from around the world. Panels of international experts judged the remarkable works of art in the genres of music, literature, video, and 3D video, and winners rep-

resented countries around the globe. The art was displayed in a "Youth Art Gallery," and attendees were treated to some of the winning music compositions at a performance by the Clear Lake High School orchestra. Peace Prizes were presented "to the artworks that best express a vision of how cooperation in human space exploration can help create peace on Earth" by a representative of the United National Economic and Social Council. In addition, Dr. Ron McNeel, NSBRI, organized a very successful poster competition for graduate students. The 46 posters representing 25 academic institutions were scored by judges from the United States, Canada, China, Germany, and Japan; and the winners represented Texas A&M University, MIT, Drexel University, and Bei Hang University (Beijing).

In summary, the NASA Human Research Program and its cooperating organizations in the Houston area hosted the 18th Humans in Space Symposium: The Next Golden Age. This international meeting promoted progress in research for human spaceflight and exploration and facilitated multi-national cooperation. Attendees represented 16 nations around the globe. The meeting offered many opportunities for multi-national, multi-organizational, multi-center, and multi-disciplinary interaction: it was a step toward "Integration and Coordination (and Cooperation) in the Next Golden Age of Human Space Flight."

Selected Symposium presentations will be published in a future issue of Acta Astronautica (journal of the IAA). Authors' abstracts are accessible at: <http://www.dsls.usra.edu/meetings/IAA/pdf/program.pdf>

**18th Humans in Space Symposium - Panel Sessions:**

- Education and Outreach
- Advances in Behavioral Health and Performance
- International Commemoration of the 50th Anniversary of the First Human Spaceflight by Yuri Gagarin
- Space Medicine and Operations
- Circadian Adaptation to Martian Sol
- Planetary Protection and Astrobiology
- Space Radiation
- Commemoration of the 30th Anniversary of the First Space Shuttle Flight
- Space Shuttle Contributions to Space Life Sciences
- Spaceflight Impact on Mammalian Physiology

- Commercial Spaceflight
- Strategy for Research in Space Physiology
- Space Technology and Habitats

*PRESIDENT, from p. 1005.*

**Membership Committee**

This committee is responsible for initiating programs and activities whose purposes and objectives are to increase membership in the Association and to promote public relations. This committee acts in an advisory capacity to the Executive Committee and the Council in matters relating to the establishment of eligibility requirements for all classes of membership.

**Nominating Committee**

The Nominating Committee is responsible for nominating the elected officers and elective members of Council. The committee is composed of past presidents and representatives from constituent organizations. The report of this committee is presented orally and in writing at the opening ceremonies of the annual meeting. The vote takes place at the business meeting.

**Resolutions Committee**

This committee reviews and approves all resolutions and presents them to Council for its consideration and approval prior to presenting them to the membership for vote at the annual business meeting.

**Science and Technology Committee**

This committee is responsible for informing and educating the Association regarding interdisciplinary problems in the areas of systems analysis and technology utilization, as well as aeromedical, biomedical, and human factor requirements.

If you find one that interests you, I recommend you contact the Committee Chair and get to work.

If you have any questions, concerns, or suggestions, you can reach me at [president@asma.org](mailto:president@asma.org) or call me at 786-338-8777.

**18th HUMANS IN SPACE SYMPOSIUM - TOPIC AREAS AND POSTER SESSIONS**

**Pre-launch**

- Human Factors & Behavior and Performance
- Space Medicine and Operations
- Space Radiation
- Space Technology and Habitat

**Launch, Landing, and Egress**

- Cardiovascular
- Sensorimotor

**Transit and Surface A**

- Bone
- Cardiovascular
- Immune
- Muscle and Exercise

**Transit and Surface A (continued)**

- Nutrition and Metabolism
- Sensorimotor

**Transit and Surface B**

- Human Factors & Behavior and Performance
- Space Biology
- Space Medicine and Operations
- Space Radiation

**Recovery and Rehabilitation**

- Muscle and Exercise
- Bone
- Cardiovascular
- Sensorimotor
- Space Technology and Habitats

**CAMA Annual Scientific Meeting**

**Tucson, Arizona**

**October 6-8, 2011**

"Cognition, Sleep Disorders and Fatigue in Aviation:  
A Comprehensive View"

Superb Faculty  
AME Seminar Credit  
Inquiries welcome:  
[david.millett@yahoo.com](mailto:david.millett@yahoo.com)

*JW Marriott Desert Ridge Resort & Spa, Phoenix, AZ*



*Undersea & Hyperbaric Medical Society  
45th Annual Scientific Meeting*

*WWW.UHMS.ORG*

**JUNE 20-23, 2012**

### **Nominations Sought for 2012 AsMA Awards**

The Awards Committee of the Aerospace Medical Association, which is responsible for selecting the annual winners of special awards, has set a **January 15** deadline for receiving nominations for awards to be presented at the 2012 Annual Scientific Meeting in Atlanta, GA. The names of prospective award winners should be submitted as far in advance of the deadline as possible. To view a list of past recipients go to the AsMA website: <http://www.asma.org/pdf/awrdwin.pdf>

Nominations can be made by any member of AsMA.

#### **Rules:**

1. The nominee must be a current member of the Association by Feb. 1 in the year in which the award may be given, with the sole exception that the Sidney D. Leverett, Jr., Environmental Science Award is open to non-members.
2. Employees of a company sponsoring an award are eligible to receive the award. Self-nomination is not allowed. Deceased members may be nominated.
3. Nominations for the Tuttle and Environmental Science Awards must cite a specific paper printed in *Aviation, Space, and Environmental Medicine*. The award will be given to the first author, with co-authors that are AsMA members receiving co-author recognition.

4. An individual can only receive one award in any one year. The same individual may receive an award more than once, so long as five years have elapsed between the last time that award was won by that same awardee. The exception is the Bauer Award, as this award is only given once to an individual.

5. Nominations are good for three years from the original award nomination. They may be updated. If substantial material has changed for the same award within that three-year cycle—a new nomination should be submitted.

6. The form is available on the AsMA website. You may either submit the nomination directly from the website or you may download the nomination form into your computer for e-mailing as a pdf document attachment. Nomination forms sent via e-mail should be addressed to the Awards Committee Chair, Kris Belland, D.O., at [awards@asma.org](mailto:awards@asma.org); and Ms. Gisselle Vargas at AsMA Headquarters ([gvargas@asma.org](mailto:gvargas@asma.org)). If e-mail is not available, you can send a hard copy of the form via normal mail to: Aerospace Medical Association, 320 South Henry St., Alexandria, VA 22314; or fax to the AsMA Home Office: (703)739-9652. Any auxiliary biographical material in electronic or hard copy **attachments must be limited to 3 typed pages** and will be retained in Association files.

7. Nominations received after **Jan. 15th** will be considered for awards to be presented at the next annual meeting.

ANNUAL AWARDS descriptions online.



**COMBINED COUNCIL IN ANCHORAGE**--The outgoing and incoming members of Council posed for a group photo, courtesy of Eduard Ricaurte.

Send information for publication on this page to: **Corporate News**  
**Aerospace Medical Association**  
320 S. Henry Street  
Alexandria, VA 22314-3579

## NEWS OF CORPORATE MEMBERS

### Cam Lock Ltd. Becomes Newest Corporate Member

Cam Lock Limited recently became the newest Corporate & Sustaining Member of the Aerospace Medical Association. Cam Lock specializes in personal life support systems. They are a division of Camberly Group, PLC, and are based in Hampshire, UK. They are an established supplier to the international defense aerospace industry, providing protection for aircrew of helicopters, fixed wing, and transport aircraft. In addition to this, Cam Lock has developed products for the personal protective equipment market, including filter respirator masks, breathing apparatus, gas detection instrumentation, and dive masks. They also offer training courses in all aspects of their products and issue a certificate of competency upon completion, also retaining a record of the training in their database. For more information on this company, please visit their website at [www.camlockuk.com/index.asp](http://www.camlockuk.com/index.asp).

### Mayo Clinic Wins Grant to Gauge Genetic Risk

Mayo Clinic researchers will receive more than \$3 million in a 4-year grant from the National Human Genome Research Institute to translate recent genomic discoveries into tools for individualized medicine. Recent advances in the genetics of heart and blood vessel diseases will be integrated into electronic medical records so doctors can more accurately determine patients' risk of heart attacks, blood vessel diseases, and adverse reactions to heart medications. The grant is part of the second phase of the Electronic Medical Records and Genomics Network, also known as eMERGE, a multisite effort to use data from a large number of medical records to enable genome-wide association studies. Mayo researchers will work with other eMERGE sites and is one of seven institutions in the eMERGE network that received a grant.

—For more information, please visit [www.mayoclinic.org/news2011-rst/6408.html](http://www.mayoclinic.org/news2011-rst/6408.html).

### ETC Completes First Suborbital Scientist Training Program

The NASTAR® Center completed the first dedicated NASTAR Suborbital Scientist Training Program for the ATSA Suborbital Observatory project with eight team members from the Planetary Science Institute (PSI), The Citadel, and other South Carolina colleges. The ATSA project will use a reusable suborbital spacecraft with a specially designed telescope for space-based observations above the atmosphere of Earth while avoiding some operational constraints of satellite telescope systems. This was the first dedicated NASTAR Suborbital Scientist training program of its kind focused on a single project.

The 3-day NASTAR Suborbital Scientist course equips individuals with hands-on knowledge and skills to safely cope with the rigors of suborbital spaceflight and gives an

understanding of the challenges involved with conducting experiments in space. The course includes four core elements: altitude physiology, G-tolerance, space launch and reentry training, and distraction management. Altitude physiology training enables trainees to experience hypoxia or oxygen-deprivation first hand with an altitude chamber flight to 25,000 ft. Trainees also learn safety protocols in a loss of cabin pressure event. G-tolerance flights introduce trainees to the physiological and acceleration effects of spaceflight and teach ways to mitigate the symptoms of gravity-induced loss of consciousness.

Simulated spaceflights are conducted on the NASTAR Phoenix STS-400 centrifuge, where trainees learn to handle the maximum acceleration G loads encountered during launch and reentry. Participants also complete a distraction/time management exercise to demonstrate the need for teamwork, planning, and practice prior to conducting suborbital research experiments in order to maximize mission success during short-duration suborbital flights.

—To read more, please visit [www.etcusa.com/corp/pressreleases/NR072511.html](http://www.etcusa.com/corp/pressreleases/NR072511.html).

### Archinoetics Hosts Students

In June, Archinoetics hosted students from the UH Pacific Alliance program, which serves individuals with disabilities, and the UH College of Engineering internship program. Students learned about mechanical engineering, saw the 3D printer, heard about careers in software engineering and graphic design, learned more about hardware engineering from circuit design to building, toured the sensors lab, and learned about sleep and fatigue.

—Taken from <http://archinoetics.com/2011/08/16/student-tours-for-stem/>.

### HeartSine Named One of UK's Top Innovators

HeartSine Technologies, based near George Best Belfast City Airport, was recently named as one of the UK's most innovative businesses. They have been shortlisted for the coveted Orange Innovation Award in the 10th annual National Business Awards. The firm has been shortlisted because of its innovative approach to the design, development, and manufacture of automated external defibrillators (AEDs). The technology within HeartSine's leading-edge cardiac defibrillation products means it competes successfully in the global healthcare market.

The Orange Innovation Award recognizes businesses that have gone beyond the ordinary in their development and implemented cutting edge innovation in terms of products, services, or company culture. The company will now prepare to make its presentation in person before an independent, expert judging panel this month before the winners are announced at an awards ceremony in November.

—For more information, please see [www.newsletter.co.uk/news/business/heart-sine\\_listed\\_among\\_uk\\_s\\_top\\_innovators\\_1\\_2925422](http://www.newsletter.co.uk/news/business/heart-sine_listed_among_uk_s_top_innovators_1_2925422).

### Wyle Office Raises Funds for Warrior Foundation

Wyle's San Diego office recently hosted 130 golfers at its 6th annual charity golf tournament benefitting the Warrior Foundation at NAS North Island's Sea-N-Air Golf Course. The San Diego-based Warrior Foundation, which helps wounded and disabled military who have served and sacrificed for our country, will receive the tournament's proceeds through the Navy League. Twelve San Diego employees and two employees of Herring & Herring APC paid for fees that enabled 22 Warriors to play in the tourney.

—To learn more, please see Wyle's blog: [www.wyle.com/News/Pages/NBE-Blog.aspx](http://www.wyle.com/News/Pages/NBE-Blog.aspx).

### Environics Announces Free Mobility Suite for Android

Environics Inc. recently announced the release of the Environics Mobility Suite, an app for use on Android devices. The initial release of the app is for use on any Android device and allows complete control of the Environics Series 6100 (a computerized multi-gas calibration system) when it is in remote mode. This initial version offers a simple menu-driven system that allows full control of all the existing commands in Concentration Mode, Flow Mode, and Ozone Commands. It further allows advanced users to input commands and to create and run programs. Future versions will allow full control of the Series 6100 regardless of the set mode. Future plans include the ability to run other Environics systems on the Android Mobile Suite. An iPhone-based application is also in development.

—For more info, visit [www.environics.com/news---events/news-and-announcements/](http://www.environics.com/news---events/news-and-announcements/).

### Lockheed Martin Emphasizes Tech & Engineering Careers

Lockheed Martin showcased the importance and value of careers in the technology and engineering fields to San Francisco Bay area students recently at the NASA IT Summit 2011 Education Blast Off. The session, attended by more than 200 middle and high school students, promoted science, technology, engineering, and math (S.T.E.M.) careers and is one of Lockheed Martin's many STEM activities in support of NASA programs. During the program, a team of experts from Lockheed Martin's Information Systems & Global Solutions and Space Systems Company presented the latest advances in information technology (IT), such as cloud computing and cyber security solutions, and talked about careers in the IT and engineering fields. In addition, the Lockheed Martin team played a host of interactive cyber security-related versions of popular games with the students to reinforce the role that cyber security plays in all technology initiatives.

—To read more, see [www.lockheedmartin.com/news/press\\_releases/2011/08-17-2011-NASA-IT-Summit.html](http://www.lockheedmartin.com/news/press_releases/2011/08-17-2011-NASA-IT-Summit.html).

# 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**

## Walton L. Jones, M.D., Past AsMA President, Has Died

We have just learned that Walton L. Jones, M.D., a Past President of the Aerospace



Medical Association (AsMA) from 1980-81, died May 5, 2010, at his home in Ft. Myers, FL. A native of Georgia, he earned his M.D. degree from Emory University, Atlanta, GA, in 1942. After entering the Navy, he interned at the U.S. Naval Hospital in

Charleston, SC, and became a Navy Flight Surgeon in 1944. After World War II, he served as Medical Officer for the 9th Marine Aircraft Wing, Cherry Point, NJ. Later, he became Flight Surgeon in the Office of Flight Safety, Chief of Naval Operations. From 1953-55, he was Senior Medical Officer on the aircraft carrier U.S.S. *Randolph*.

In 1955 Dr. Jones became Head of the Aviation Medicine Equipment Branch in the Navy's Bureau of Medicine and Surgery and was also Aeromedical Assistant in the Bureau of Naval Weapons, both in Washington, DC. In 1964, he was sent to NASA, where he served until 1966. During his time at NASA, he was made Director of Biotechnology and Human Research, where he developed two-gas sensors for monitoring and controlling the atmosphere in space stations. These sensors were adjusted for use in U.S. submarines. He also helped advance the design of pressure suits, exposure suits, and ejection seats and escape capsules. He assisted in developing the closed-loop control of the human centrifuge at Johnsville, PA, and the low-pressure and heat chambers at the Navy's Air Crew Equipment Laboratory in Philadelphia.

Dr. Jones retired from the Navy in 1966, after 22 years. He then joined NASA and was Deputy Director of Life Sciences from 1970-75 and then Director of NASA's Occupational Medicine Program. He received NASA's Exceptional Service Medal in 1979 for his work with that program. He retired from NASA in 1985, after 18 years there.

Dr. Jones joined AsMA in 1944 and became a Fellow in 1957. He received AsMA's Louis H. Bauer Founder's Award in 1970 and was the President of the Space Medicine Association from 1974-75. Among his other awards are the 1956 Founders Medal of the Association of Military Surgeons and the 1970 John Jeffries Award of the American Institute of Aeronautics and Astronautics.

## News of Members

**Mitchell A. Garber, M.D., M.P.H., M.S.M.E.**, has recently accepted a position as a Senior Managing Consultant with Engineering Systems, Inc., an engineering and scientific investigation and analysis firm. For nearly 15 years, he had served as the Medical Officer for

the U.S. National Transportation Safety Board (NTSB) and was the first person to occupy that position. During his tenure at the NTSB, he assisted the agency in identifying and addressing critical medical issues in transportation safety, including injury prevention, medication use by transportation operators, hypoxia in aviation operations, medical certification of commercial drivers, substance dependence in pilots, and obstructive sleep apnea screening and evaluation, among many others. He presented testimony to the U.S. Congress on behalf of the Safety Board, and was honored by the agency with the Dr. John K. Lauber Award for technical excellence in accident investigation.

Prior to his work at NTSB, Dr. Garber was a U.S. Air Force flight surgeon, Chief of Flight Medicine, and Chief of Aerospace Medicine at various locations. He is a graduate of Duke University with a B.A. in Psychology/Sociology in 1982, Emory University School of Medicine with an M.D. in 1987, Harvard University School of Public Health with an M.P.H. in Occupational and Environmental Medicine in 1991, and the Georgia Institute of Technology with an M.S.M.E. in Bioengineering in 1996. He is a member of the Human Factors and Ergonomics Society, the American Society of Safety Engineers, and the Association for the Advancement of Automotive Medicine, and is a Fellow of the Aerospace Medical Association. He has received the Harry G. Moseley award for outstanding contributions to flight safety.

**Capt. Lawrence Marinelli, MC, USNR-Ret.**, has been elected as the President of the Southwest Region of the Association of the United States Navy at the annual meeting of this organization in New Orleans in July. He is a Fellow and Life Member of AsMA as well as a member and past Selector of IAASM. He is also a past President of the Airline Medical Directors Association and is currently the Chairman of the Awards Committee of AMDA.

## Obituary Listings

Due to the changes in Emeritus status, the Home Office sent out letters to all Emeritus members. We have subsequently received notification of members who have passed away. These are the members, both regular and Emeritus, who AsMA has recently learned have died within the past year:

**Sidney I. Brody, M.D.**, died in October 2010. A native of Pennsylvania, he earned a B.A. at the University of Pennsylvania in 1936 and received his M.D. at the Hahnemann Medical College in Philadelphia in 1941. He was a veteran of World War II and is thought to have been the first doctor to have flown the Navy's earliest operational jet aircraft, the Phantom I. He continued his career as a Navy flight surgeon and retired in 1970 as Commanding Officer at the Naval Hospital, Quonset Point, RI. He was a member of the American

Medical Association, the Rhode Island Medical Society, the Association of Military Surgeons of the U.S., the New England Society of Allergy, the U.S. Naval Institute, and the Naval Historical Foundation. He was President of the Philadelphia branch of the Aero-Medical Association in 1952, and became a Fellow of the Aerospace Medical Association (AsMA) in 1954 and of the American College of Physicians in 1963. He also served on AsMA's Executive Council from 1966-69. He received the Sir Henry Wellcome Medal and Prize in 1963 from the Association of Military Surgeons of the U.S.

**Lyman H. Connor**, who had been a member since 1993.

**H. Lee Harris, M.D.**, a native of Kentucky, earned a B.S. degree and his M.D. at the University of Oregon in 1947 and 1951, respectively. He served in the USAF during World War II as a Captain. He belonged to the Soaring Society of America and had a special interest in high-altitude soaring and mountain wave phenomena. He was in general practice and was an Aviation Medical Examiner. He was a member of the Board of Trustees of the Oregon State Medical Association, a member of the American Academy of General Practice, and a member of the American Medical Association, as well as being a member of AsMA.

**Manfred Hoffrichter, M.D.**, who was a native of Germany and a Fellow of AsMA. He was an Aviation Medical Examiner and also worked in the fields of general practice and preventive medicine. He had been a member since 1959.

**Harry J. Moore, M.B.B.S.**, died in November 2010. Born in Australia, he earned his degree at Sydney University NSW in 1947 and served at Royal Perth Hospital. He was a member of the Australian General Practitioners Association, the Aerospace Medical Association (AsMA), the Space Medicine Association, and the Flight Nurses Section (now the Aerospace Nursing Society).

**Wayne R. Otto, M.D., MMC**, died at the age of 87 in November 2010. He was an Aviation Medical Examiner and served as a Captain in the U.S. Army. He was a Fellow of AsMA.

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## IN MEMORIAM

**Paul S. Stoner, M.D., M.P.H.**, died in August 2011. A native of Pennsylvania, Dr. Stoner earned a B.S. degree at Dickinson College in 1978 and his M.D. at Temple Medical School in 1982. He took the AMP course at Brooks City-Base, TX, in 1983 and served an internship in General Surgery at Wilford Hall USAF Medical Center, San Antonio, TX. He served in both Desert Shield and Desert Storm as a flight surgeon in Saudi Arabia and also served as Medical Group Commander for an Air Expeditionary Force deployment to Qatar. He received an M.P.H. in 1994 from the Harvard School of Public Health and completed a residency in aerospace medicine at Brooks City-Base, TX, in 1996. In 1998, he became the U.S. Air Force aerospace medicine liaison officer at NASA's Johnson Space Center in Houston and served there as Chief of the Flight Medicine Clinic until 2009, when he joined the Space Medicine Division. He was a Diplomate of the American Board of Preventive Medicine certified in Aerospace Medicine and a member of the Society of USAF Flight Surgeons. Within AsMA, he was a member of the Registration Committee and an Associate Fellow.

**Robert Eugene "Van" van Patten**, born in Albion, MI, died August 2011 in Kettering, OH. He served in the U.S. Navy during World



War II, then earned a B.S. in Mechanical Engineering and a Ph.D. in aeromedical engineering. He went on to work at Wright-Patterson AFB, OH, where he retired in 1989. Author of over 100 scientific papers—many published in ASEM—and holder of 11 patents, Van was recently honored as a 'Giant of Acceleration' at the National Aerospace and Training Center, Southampton, PA. He was also a U.S. Coast Guard Auxiliary Communications Officer and a published aviation and military historian.

## New Members

Donnelly-Boylen, Kevin M., B.A.,  
Washington, DC  
Engler, Solangia, San Antonio, TX  
Hays, Russell B., CDR, MC, USN,  
Pensacola, FL  
Ivory, Eleanor Ann, Dr., M.A., Marlborough,  
UK  
Komorowski, Matthieu, M.D., Koeln,  
Germany  
Lapish, Joanna M., M.D., Auckland, New  
Zealand  
Menger, Richard P., M.D., Shreveport, LA  
Mulcahy, Robert, B.A., Galveston, TX  
Powers, Kyle, Ft. Pierce, FL  
Previc, Fred H., Ph.D., San Antonio, TX  
Ramos, Alex, Capt., USAF, BSC, Arlington, VA  
Reyes, David, M.D., Albuquerque, NM  
Savoia-McHugh, Lee A., M.D., Pensacola, FL  
Stein, Matt, USAF, Chicago, IL  
Thomas, Ashley K., Capt., USAF, APO, AE  
Trevino, Tiffany D., M.Sgt., USAF, Corpus  
Christi, TX  
Twomey, Carolyn L., R.N., Richmond, VA  
Walter, Christine D., B.S., Southampton, PA

## Changes to Emeritus Membership Requirements

During the Annual Business Meeting, conducted on May 10, 2011 at the Annual Scientific Meeting in Anchorage, AK, the AsMA membership voted to approve the recommended changes to the Association Bylaws related to Emeritus Membership. The approved Bylaws for Emeritus Membership are provided here:

**ARTICLE III. MEMBERSHIP**  
**SECTION 1. Categories, Qualifications, and Election for Membership.**

*E. Emeritus Member: The Executive Director shall have the authority to grant Emeritus Membership in this Association as consistent with the conditions and appropriate fee for Emeritus Membership as established by the Council. At age 65, those individuals who have been members for a minimum of 25 years are eligible to apply. Such Emeritus Members shall be entitled to vote and hold office and shall retain all rights and privileges of regular members in good standing. Membership entitles Emeritus Members to the electronic version of the official journal of the Association via the Aerospace Medical Association website. The print version of the official journal of the Association shall be available to Emeritus Members via a subscription at a rate to be determined by the Executive Committee.*

Several significant changes should be evident:

- 1) the requirement to be "fully retired" has been removed;
- 2) age requirement changed from 62 to 65;
- 3) AsMA membership requirement changed from 20 years to 25 years;
- 4) right to vote as active members and hold office returned to Emeritus members; and
- 5) an appropriate membership fee was added.

An annual Emeritus membership fee of \$50.00 US was approved to help offset the administrative costs of maintaining membership records in the AsMA membership database, blast e-mail costs, electronic journal costs and postage costs.

Our Association values the Emeritus members' vast knowledge and experiences. We believe that our Emeritus members have much to offer the Association and should be allowed to continue voting as active AsMA members as well as the opportunity to hold office, should they choose to do so. The approved changes return the right to vote as active members and hold office within the Association. The requirement to be fully retired was removed because many of our members who would otherwise qualify for Emeritus membership could not apply because they continue to work. The membership believed these members were being unfairly penalized and so this requirement was removed from the new Bylaws language.

**All current Emeritus members will continue as Emeritus members. However, to maintain your active Emeritus status you must provide AsMA payment of \$50.00 US. Current Emeritus members who do not provide the \$50.00 US payment by December 31, 2011 will go to an inactive membership status. Annual membership payment can be made in the following ways:**

- Credit card payment via the AsMA website Members' Login ([www.asma.org](http://www.asma.org))
- Credit card payment via phone call to AsMA Membership Department:  
Gloria Carter – (703) 739-2240 x106  
Sheryl Kildall – (703) 739-2240 x107

Please be sure to update your contact information such as e-mail address and phone numbers when making payment so that we can ensure you receive all communications from the AsMA Home Office efficiently.

AsMA members who believe they meet the new requirements and would like to apply for Emeritus Member status should contact the AsMA Membership Department

We value our Emeritus Members and we look forward to more engagement on Association issues from them in the future.

**Jeffrey C. Sventek, MS, CAsP**  
Executive Director

## Reminder for Prospective Associate Fellows

The Chair of the Associate Fellows Group reminds prospective candidates that applications are currently being accepted from qualified members of the Aerospace Medical Association for Associate Fellowship. Members who have made a positive contribution to the Association and have been a member for at least 5 years are eligible and encouraged to submit their application.

To apply, please submit a current Curriculum Vitae (CV) or resume directly to the Associate Fellows Group Membership Committee at [associatefellows@gmail.com](mailto:associatefellows@gmail.com). The deadline for submitting your application is close of business EST on 30 November 2011.

To learn more about Associate Fellowship, please visit our website at: <http://www.asmaafg.org>

## Upcoming FAA AME Seminars

Oct. 6-8, 2011  
Tuscon, AZ  
CAMA

Oct. 31-Nov. 4, 2011  
Oklahoma City, OK  
Basic

Nov. 18-20, 2011  
Portland, OR  
N/NP/P

**PLEASE NOTE:** AsMA only takes registrations for the FAA seminar held in conjunction with our annual meeting in May. For all others, please visit the FAA's site at: [www.faa.gov/other\\_visit/aviation\\_industry/designees\\_delegations/designee\\_types/ame/seminar\\_schedule/](http://www.faa.gov/other_visit/aviation_industry/designees_delegations/designee_types/ame/seminar_schedule/).