

President's Page

Reflections....

This is my last missive as President and I join many of you in thinking... finally!

Before my year began, former Presidents told me it would be over before I could imagine, and I should expect a year full of both challenges and rewards. I doubt any of them realized how prophetic their words would be.

AsMA has faced many trials this year, especially those surrounding our Annual Scientific Meeting. Who knew that the challenges of past meetings – volcanoes in Iceland, per diem changes in Alaska, H1N1 in Los Angeles – would be minor compared to the U.S. Government's decision to implement severe travel restrictions to national meetings? Several of our sister organizations elected to cancel their annual meetings. Fortunately, through the tireless efforts of Jeff Sventek and the headquarters staff, and our countless volunteers, AsMA was able to hold another terrific meeting!

During the meeting in Atlanta last May, it became crystal clear that we faced a membership crisis. I am pleased to report that it appears we have arrested the downward slide and our membership numbers are growing once again! Through the leadership of JR Heil, Chuck Fisher, and Jeff Sventek, we have seen a positive growth in our membership numbers. Hurrah for Membership!

We should also be encouraged by the initiatives around the world to recognize Aerospace Medicine as a distinctive specialty. Those of us in the United States take such recognition as a given and forget that Aerospace Medicine as a specialty is still a developing concept in much of the world. Through the tireless efforts of our members in Singapore, Great Britain, Australia, New Zealand, and Canada, Aerospace Medicine has recently received, or is on the path to official recognition as a specialty in its own right in those countries.

As Chicago's meeting theme reminds us: Today's challenges offer us many opportunities in the future. Aviation, Space and Environmental Medicine remains AsMA's crown jewel. It enlightens; it enriches. It pro-



P. Glenn Merchant, Jr., M.D., M.P.H.

vides the foundation to the scientific practice of Aerospace Medicine. It is unique in the world for its focus on those topics of importance to our specialty. We are renewing our efforts to exploit its strengths to support all our members needing continuing education credits. At the same time, we need to explore all options to reduce the expense associated with publishing a paper edition in the digital age. As many publications are realizing (Newsweek© is one example), paper is the distribution method of the last century.

I hope each of you has taken the time to explore our new website. It is the crucial tool in our efforts to attract new members and support current ones. It will help spread the "gospel" of Aerospace Medicine.

One of the traditions of the Blue Angels, following an airshow, is for each team member to end their portion of the debrief with the simple phrase "Glad to be here." For the past year, I have had the pleasure of working with our extraordinary staff, Committee Chairs, members of the Executive Committee and Council, and many of our members who have shared their time and talents.

I am excited to be turning the leadership of our Association over to Jim Webb, a friend and colleague, with great energy and vision! As my turn in the barrel comes to an end, I want you to know, because of each of you, I was glad to be here!

With heartfelt appreciation,
Glenn

Association News

AsMA Associate Fellows Elected

The following members of AsMA have achieved Associate Fellowship status and were approved by the Executive Committee: Tina M. Bayuse, Pharm.D., CDR Amber D. Biles, MSC, USN, Lt.Col. Kimberly R. Bradley, USAF, MC, J. Lynn Caldwell, Ph.D., SURGCDR David Carey, RN, Arvind K. Chaturvedi, Ph.D., Yun Young Choi, M.P.H., David Cooper, Ian P. Curry, B.M.,B.S., Robert P. Garner, Ph.D., LTC Steven J. Gaydos, MC, USA, Steven D. Guyton, M.D., ANG, LTC Katrina D. Hall, MC, USA, Maj. Jaime R. Harvey, USAF, BSC, Katherine A. Helleur, B.Sc., M.D., LTC Mark L. Jacques, MC, USA, Susanne Josephsen, Michael S. Kavanaugh, Khalil M. Khalil, M.D., Gerald P. Krueger, CPE, Ph.D., Jennifer Law, M.D., M.P.H., Peter M. Lawson, M.B., B.S., Patrick J. McGinnis, M.D., SQN LDR Csongor G. Oltvolgyi, RAAF, MC, Craig S. Packard, M.D., Maj. Patricia A. Pankey, USAF, MC, Hussain A. K. Pervaiz, M.S., MAJ Nicole C. Powell-Dunford, MC, USA, Enrique Quinteros, M.D., Col. Chaz A. Shurlow, USAF-ANG, MC, BG Shepard B. Stone, CT-ARNG, CDR Alison E. Thomas, MC, RAN, David P. Thomson, M.D., Douglas A. Wiegmann, Ph.D., Col. Dana J. Windhorst, USAF, MC, Tory W. Woodard, M.D., and Bruce A. Wright, Ph.D.

AsMA Foundation Donors

The AsMA Foundation thanks the following individuals and organizations that have generously supported the Foundation, aerospace medicine, and the allied fields in 2012:

Businesses and Organizations:

Environmental Tectonics Corporation

Individuals:

George Anderson, Charles Berry, David K. Broadwell, Jeffrey R. Davis, Richard Jennings, Lawrence Marinelli, David Millett, Stanley R. Mohler, K. Jeff Myers, Russell B. Rayman, George "Peach" Taylor, Thomas J. Tredici, and James Vanderploeg.

The AsMA Foundation has made every effort to assure that this list is complete, but we acknowledge that errors may occur. Please report any errors to the Foundation.

Check out the new, improved AsMA website!!!

<http://www.asma.org>

Explore the links to our Meeting, Journal, Corporate Members, Constituent and Affiliate Organizations, the WING, and much more!!!

Change to Annual Meeting Luncheon Schedule

The Aerospace Physiology Society (AsPS) and the Aerospace Human Factors Association (AsHFA) have decided to merge their luncheons. Therefore, the AsHFA luncheon that had originally been scheduled for Monday, May 13, is cancelled. That luncheon will now take place in conjunction with the AsPS luncheon on Wednesday, May 15, and will be listed under the title "Human Factors Association and Aerospace Physiology Society Luncheon." Both AsPS and AsHFA tickets will be honored at the luncheon. Anyone who bought tickets for both luncheons will be reimbursed for one of the tickets.



**AsPS Social Wednesday 15 May 13
Cubs vs Rockies @ Wrigley Field
Cost: \$7 per ticket / Game starts @ 7:05
(Concessions & transportation separate)**

Wrigley Field is located in historic Wrigleyville, just minutes from downtown Chicago. The field was built in 1914, and is the second-oldest ballpark in the majors behind Boston's Fenway Park (1912).

Options to get to the park include The CTA train, a cab, or car pooling from downtown.

Please contact Capt Elliott Reed for ticket information.

Tickets will be available at the AsPS table at AsMA

Future AsMA Meetings

May 11-15, 2014
San Diego Hilton
San Diego

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

April 24- 28, 2016
Rio Las Vegas Hotel and Casino
Las Vegas, NV

April 29-May 4, 2017
Sheraton Denver Downtown
Denver, CO

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POSITION AVAILABLE

**Assistant/Associate Professor
Aerospace Medicine Residency Program
Department of Community Health Wright
State University
Boonshoft School of Medicine
Dayton, OH**

Wright State University, Boonshoft School of Medicine, is recruiting for a full-time faculty position within the Division of Aerospace Medicine, Department of Community Health (affirmative action# 13Y087).

Candidates must be a U.S. Citizen, have an M.D. or D.O. degree, have completed an ACGME approved Aerospace Medicine residency training program, be board-certified in aerospace medicine by the American Board of Preventive Medicine at the time of initial appointment or within 3 years of appointment, and be able to obtain an unrestricted State of Ohio medical license. Current and active unrestricted medical license in any state will suffice in the interim.

FAA pilot certificate and/or experience as a military or U.S. Government flight surgeon is preferred. Applicants must have an interest and/or experience in aerospace medicine education.

Opportunities exist to practice in the Flight Medicine clinic and/or conduct aerospace medicine research. Salary is negotiable. Benefits are highly competitive for medical school faculty positions. Interested candidates should send a letter of interest and curriculum vitae to: <https://jobs.wright.edu/>. Applications will be considered until the position is filled. For additional information about the Wright State University Boonshoft School of Medicine and its programs, please consult the Boonshoft School of Medicine website at: <http://www.med.wright.edu/>. Wright State University is an Affirmative Action/Equal Opportunity Employer.

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Meetings Calendar

May 16-19, 2013; Flying Physicians Association Dixie Chapter Spring 2013 Meeting; Stella Maris, Bahamas. Please visit www.fpadrs.org for details and registration information.

June 3-7, 2013; International Committee on Aeronautical Fatigue and Structural Integrity (ICAF) Conference and Symposium; Jerusalem, Israel. For more information, please visit www.icaaf2013.org.

June 23-27, 2013; Flying Physicians Association 2013 Annual Meeting; Hyatt Milwaukee Hotel; Milwaukee, WI. Please visit www.fpadrs.org for details and registration information.

September 11-4, 2013; XXVI National Congress of AIMAS, held jointly with the European Low Gravity Research Association's (ELGRA's) biennial symposium; Vatican City, Italy. For more information, please contact Maj. Paola Verde or visit www.aimas.it or www.elgra.org.

September 19-22, 2013; Flying Physicians Association Northeast Chapter meeting; Radisson Hotel, Corning, NY. Please visit www.fpadrs.org for details and registration information.

October 6-10, 2013; 61st International Congress of Aviation and Space Medicine (ICASM); Jerusalem, Israel. For more information, please visit <http://www.icas2013.org/>.

October 10-13, 2013; Flying Physicians Association Great Lakes Chapter Fall Meeting; Morris Inn, University of Notre Dame, South Bend, IN. Please visit www.fpadrs.org for details and registration information.

October 17-20, 2013; Flying Physicians Association Dixie Chapter Fall Meeting; Perdido Beach Hotel, Orange Beach, AL. Please visit www.fpadrs.org for details and registration information.

October 31 - November 3, 2013; Flying Physicians Association Western/Southwest Chapters Joint Fall Meeting (tentative); Fort Worth, TX. Please visit www.fpadrs.org for details and registration information.



European School of Aviation Medicine

Training Courses 2013 for JAA/FAA Aero Medical Examiners

AME Class 2 Basic Course 23 (waiting list)	31 August – September 2013
AME Class 1 Advanced Course 23	7 – 15 December 2013
Aviation Medicine/Travel Medicine Diploma Course 23	8 – 16 March 2014

Venue: Lufthansa Aeromedical Center,
Frankfurt Airport

Application forms and further details under
www.flugmed.org or www.eusam.org.

UNDERSEA & HYPERBARIC MEDICAL SOCIETY 46th ANNUAL SCIENTIFIC MEETING

JUNE 13-15
2013

Pre-course: June 12



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NEWS OF CORPORATE MEMBERS

AOPA Urges FAA to Halt GA Sequestration Cuts

The Aircraft Owners and Pilots Association (AOPA) is urging FAA Administrator Michael Huerta to halt cuts that will disproportionately affect the safety and integrity of general aviation (GA) operations. AOPA's President, Craig Fuller, expressed his concerns that the cuts would have "unacceptable consequences for the nation and the flying community" in a letter to Huerta. In addition to the closure of more than 200 control towers at GA airports across the country, Fuller expressed his alarm over further cuts that will restrict weather and flight services, allow the navigational system to deteriorate, and derail aircraft certification.

The FAA's share of the sequestration cuts is \$600 million. As Fuller noted in his letter, the FAA's own officials admitted that the planned cuts will have a severe and disproportionate effect on GA. One of the biggest cuts will come to air traffic services in the form of control tower closures. Pilots rely on control towers to coordinate safe arrivals and departures and to prevent collisions in the air and on the ground. Most of the towers slated for closure are operated by private contractors—a system with an excellent record of safety and efficiency. Fuller also pointed out that AOPA has encouraged a number of cost-saving initiatives that should be considered in sequestration discussions.

—For more on this, please see <http://www.aopa.org/advocacy/articles/2013/130312aopa-to-faa-halt-sequestration-cuts-targeting-ga.html>.

Genevolve Joins AsMA as Corporate & Sustaining Member

Genevolve Vision Diagnostics, Inc., recently joined AsMA as a Corporate and Sustaining Member. They are a life sciences company that specializes in research, design, and marketing of non-invasive, molecular diagnostic assays and treatments for color vision deficiencies. They were established in 2009 and are based in New Mexico, where their clinical testing lab is located. They also have a research laboratory in Washington that focuses on the mechanics of color vision.

Most recently, in May 2012, Genevolve launched a military-grade DNA test for color blindness at AsMA's Annual Scientific Meeting in Atlanta, GA. This test can consistently separate colorblind individuals from those with normal color vision and accurately classify color vision deficiencies. This offers a solution to the problem of setting uniform standards in the workplace and meets the color vision testing requirements of militaries and governments. The test involves a painless finger prick to obtain a blood sample, which is specifically analyzed using gene sequencing technology to analyze the color genes that are expressed in the eye but present in all cells, to

give both a precise identification and an accurate classification of any inherited color vision deficiency along with a precise severity rating. It eliminates the need for repeat testing, thus saving money.

—For more information on our newest Corporate and Sustaining Member, please visit their website at <http://www.genevolve.com> and for more information on the new color blindness test, please see the press release at <http://www.genevolve.com/news.php#PR2>.

AsMA Welcomes New Corporate & Sustaining Member

Best Medical Care Abroad, LLC, of Williston, FL, has recently become a Corporate and Sustaining Member of the Aerospace Medical Association (AsMA). Best Medical Care Abroad is a company that provides assistance to individuals seeking high-quality, affordable health care abroad. They provide information, coordinate travel for medical care, and ensure the safety of their clients both before and after travel for medical care. As they are a relatively new company, their website, BestMedicalCareAbroad.com, is still under construction.

Mayo Clinic Develops Test to Gauge Severity of Concussions

Neurologists at Mayo Clinic in Arizona have taken a promising step toward identifying a test that helps support the diagnosis of concussion. Their research has shown that autonomic reflex testing, which measures involuntary changes in heart rate and blood pressure, consistently appear to demonstrate significant changes in those with concussion. They presented the findings at the American Academy of Neurology annual meeting in San Diego in March.

Currently, doctors rely primarily on self-reporting of symptoms to make a diagnosis of concussion. In addition, other than the absence of symptoms, there is no reliable test to determine when an athlete's brain has fully recovered from concussion. Doctors know from brain imaging research studies that there is a lag between when the patient reports that their symptoms have resolved and the time when the brain has actually healed. Therefore, a rapid, reliable, cost-effective tool is needed to identify full brain recovery from concussion.

In the study, Mayo Clinic doctors monitored 21 consecutive patients after concussion, and all experienced significant abnormalities in heart rate and blood pressure during autonomic testing. The physicians conclude that these abnormalities are tied to the concussion. More research is needed, but the Mayo team is optimistic.

—For more information, please visit <http://www.mayoclinic.org/news2013-rst/7379.html>.

Oregon Aero Announces CRM/AMRM Training

As part of its long-standing commitment to improved safety to help reduce the Helicopter Emergency Medical Services (HEMS) accident rate, Oregon Aero has announced its Crew Resource Management (CRM)/Air Medical Resource Management (AMRM) training. CRM/AMRM training focuses on reducing human error by teaching every member of an operation—from the top manager to the mechanic—to work together as a team. Every stakeholder must know what effect their action or inaction has on the safe outcome of the mission. Oregon Aero offers this through intensive 8-hour courses at a customer's site, and it includes multiple modules covering everything from human error and company safety culture to decision-making and communication.

The ultimate goal is to reduce the accident rate, an outcome achieved by the commercial airline industry in part through the use of CRM training, which was mandated by the FAA for the sector in 1995. The FAA also finalized a rule mandating CRM for Part 135 operations, which includes HEMS, in 2011.

Moving into the realm of CRM training is a natural fit for Oregon Aero, which has long focused on improved aircraft safety through its advanced seating systems, helmet upgrade kits, and other accessories.

—To read more about this, please see <http://www.oregonaero.com/press-releases/oregon-aero-announces-crmamrm-training>.

NASTAR Center Signs Teaming Agreement for Space Training

The NASTAR® Center announced recently it signed an agreement with Zero Gravity Corporation (ZERO-G) to provide space training programs and opportunities to pilots as well as crew, participants, and general public audiences. The goals of the collaboration are to advance the awareness, education, and preparation of upcoming commercial space travelers, as well as provide space experiences for general audiences everywhere.

Space training can encompass many elements, but at its core it ensures spaceflight participants can survive and enjoy the journey to and from space, particularly the launch, the weightlessness, and the reentry phases of flight. Training to operate under the high Gs of rocket launch and reentry is the specialty of the NASTAR Center, which is able to support a variety of nominal and off-nominal scenarios and task objectives for suborbital and orbital spaceflight missions.

ZERO-G provides microgravity training so participants learn to function effectively in space environments. The company uses a specially modified Boeing 727, G-FORCE ONE™, to perform aerobatic maneuvers known as parabolas to create the reduced environments encountered during suborbital

and orbital flights. Training participants also experience Martian and Lunar gravity conditions as well as up to +1.8 Gz of hypergravity. Together, the companies aim to provide a comprehensive training solution for interested audiences and spaceflight clients.

—For more information, please see <http://phx.corporate-ir.net/phoenix.zhtml?c=106827&p=irol-newsArticle&ID=1780947&highlight=>.

Wyle Awarded Naval Air Systems Command Contract

Wyle has been awarded a 3-year contract to provide reliability improvement, testing, technology insertion, and life-cycle analysis for unmanned air systems and intelligence, surveillance, and reconnaissance project and programs for the Naval Air Systems Command. Wyle's experts will support the development and refinement of processes and equipment designed to increase reliability, maintainability, sustainability, quality, and interoperability while simultaneously reducing or avoiding costs. The company also provides research and assesses candidate solutions, including reliability information analysis, and development of maintenance and procedure upgrades.

These tasks are expected to improve reliability and availability as well as decrease life-cycle costs while implementing new or updated technologies and procedures. In addition, Wyle is performing acquisition planning, system interoperability assessments, integrated reliability test planning and management, affordability and life cycle cost analysis, logistics management, and management tasks associated with the data collection and testing of electrical, mechanical, and avionics systems.

—For more information, please see <http://www.wyle.com/News/Pages/03-08-2013.aspx>.

MedAire Announces the Launch of HealthMap 2013

MedAire, an International SOS company, announced the launch of HealthMap 2013, a tool to help organizations understand the medical risks in the markets where they operate and to pre-empt health threats to their employees, passengers, and crew. The HealthMap is now in its fourth year of publication. The HealthMap 2013 indicates risk by 'Low,' 'Medium,' 'Medium & High,' 'High,' and 'Extreme' categories. These medical risk ratings are intended to provide an overview of the threats of infectious disease, hygiene and sanitation, accidents, and the availability and quality of the local health infrastructure. These ratings help indicate the level of preparation needed by travelers prior to departure and the degree of medical support they may need once in their destination.

International SOS' recent analysis of over 4.6 million travelers to 223 countries within its TravelTracker platform, a system used to help organizations track and communicate with their business travelers, reveals significant travel to destinations with more medical risk. In 2012, 23% of business travelers went to countries with 'Medium & High,' 'High' and 'Extreme' risk. Supporting employees going to higher risk locations puts additional chal-

lenges on organizations: 'High' and 'Extreme' risk destinations compel organizations to employ comprehensive tactics to pre-empt risk. HealthMap 2013 is meant as a tool to help flight departments and travelers mitigate that risk.

—For more information, please see <http://www.medaire.com/news-events/2013/02/28/healthmap-2013-helps-travelers-understand-and-mitigate-medical-risks-worldwide>.

HeartSine Helps Launch AED Grant Program

In an effort to save young lives from sudden cardiac arrest (SCA) on school property, Parent Heart Watch (PHW) and HeartSine Technologies today announced the creation of the 2013 Heart Avengers AED Grant Program, which will award 20 AEDs to deserving private schools. According to Parent Heart Watch, the national voice solely dedicated to protecting youth from SCA and preventable sudden cardiac death (SCD), an Automated External Defibrillator (AED) is a crucial component in the cardiac chain of survival. The 2013 Heart Avengers AED Grant Program affords private schools the opportunity to receive a HeartSine Samaritan PAD 300P Defibrillator, wall case, CPR and AED training and support in developing an Emergency Action Plan by getting school personnel and students involved in the process.

—For more on this, please see the press release (in pdf form) at <http://www.heartsine.com/wp-content/uploads/Heart-Avengers-2013-Press-Release.pdf>.

Mayo Clinic Finds 'Quality of Life' Therapy Improves Health During Cancer Treatment

Therapy to ease stress, fatigue, and other quality of life issues significantly improves patients' sense of well-being during cancer treatment, new Mayo Clinic research shows. Patients who kept to their standard routines showed a decline in quality of life measures, the study found. The findings are published in February's issue of *Cancer*.

Mayo cancer care specialists created a six-session program to address cognitive, physical, emotional, social, and spiritual well-being. Each session includes physical therapy exercises to improve fatigue, discussions of topics such as developing coping strategies or addressing spiritual concerns, and deep breathing or guided imagery to reduce stress. In the randomized trial, researchers studied a group of 113 patients with advanced cancer; 63 percent were male, mostly in their late 50s. All were receiving radiation therapy at the Mayo Clinic Cancer Center. Family members caring for cancer patients also often experience a lower quality of life and the study included them. While half of participants stayed with their usual psychosocial routine during treatment (for instance, seeing their own therapists, counselors, or clergy), the other half attended the formal, 90-minute program 3 days a week.

—To read more, please see <http://www.mayoclinic.org/news2013-rst/7325.html>.

InoMedic Employees Recognized by NASA

Over 30 of InoMedic's employees were recognized in mid-February at the NASA Kennedy Space Center Awards ceremony as part of the Mars Science Laboratory Team Award. Another employee received the Individual Environment Award for researching, reviewing, and implementing new recycling practices to support environmental sustainability. Other awards received by InoMedic employees were the Shuttle Landing Facility Area Development Team Award and the Fire and Protection Design and Construction Team Award. There were also three individuals recognized for exception resource management and supporting and mentoring others; exceptional technical and collaborative efforts to understand and protect fish and shark habitats around the Kennedy Space Center; and expertise and exceptional support to the Kennedy Space Center Environmental Assurance Branch.

—For more information, please see InoMedic's Facebook page at <https://www.facebook.com/IHAMedical?filter=1>.

ETC Ships ATFs 400 Model 31 Components to WPAFB

In February, ETC announced the shipment of the final main motion system components of the Authentic Tactical Flight Simulator (ATFS 400 Model 31) to its customer, the United States Air Force, where the flight simulator will be installed at the 711th Human Performance Wing's new complex at Wright Patterson Air Force Base in Dayton, OH.

The final major components of the gimbal system, consisting of the roll ring and gondola assembly were in the shipment. In ETC's design, the gondola serves as the container which houses the interchangeable, aircraft specific "cockpit" and is where the trainee is placed during utilization of the simulator. The roll ring assembly encases the gondola structure and provides the physical actuation of the gondola in roll axis. It is responsible for providing a portion of the motion which allows the alignment of the G forces on the subject to mimic the real physiological effects of flight.

To date, the majority of the device components have shipped and are currently onsite, ready for integration with the existing structures. Components yet to ship are non-motion system related items. States William F. Mitchell, President and CEO, "we are pleased that the device is coming together so well and are looking forward to the end of 2013 when we anticipate being able to finally commission the device and begin testing".

For further info see: <http://www.etctacticalflight.com/simulators/4th-5th-generation-tactical-aircraft>.

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For info on becoming a Corporate Member, call Gloria Carter at (703)739-2240, ext. 106, gcarter@asma.org

Send information for publication on this page to: **News of Members**
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Alexandria, VA 22314-3579
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Dr. Phil Scarpa Cited in Article on Pilot Mental Health

Philip J. Scarpa, Jr., M.D., of the NASA Kennedy Space Center in Florida, was cited recently in an article by The Straits Times, Singapore, on pilot mental health. The article



referenced Dr. Scarpa's leadership of the Aerospace Medical Association's (AsMA's) working group that reviewed pilot mental health issues. That working group was formed shortly after the incident with a Jet Blue pilot last March. Dr. Scarpa is quoted as saying

"Improved detection and prevention of mental health conditions and life stresses can affect pilots and flight performance, and therefore aviation safety." To read the rest of the article, please visit

<http://www.yourhealth.com.sg/content/payment-pilots-mental-health-un-urges>.

Dr. Scarpa is a Vice President and Fellow of the AsMA. He is also a member of the Space Medicine Association. He has been very active on various AsMA committees, including the Scientific Program, Resolutions, Nominating, History and Archives, Communication, Air Transport Medicine, and Arrangements committees. He is a Diplomate of the American Board of Preventive Medicine certified in Aerospace Medicine.

Peter H. U. Lee, M.D., was recently featured in an article by the Palo Alto Weekly about how his experiment, involving fruit flies, could be sent into space as early as September. The experiment will look at the effect of weightlessness on the fruit flies' hearts in an effort to find out what the long-term effects of microgravity are on astronauts' hearts. Dr. Lee is a Fellow of the Aerospace Medical Association and is involved in the Space Medicine Association, the Life Sciences and Bioengineering Branch, and various committees, including Scientific Program, International Activities, Membership, Publications, and Corporate and Sustaining Members. To read the full article, please visit http://www.paloaltoonline.com/news/show_story.php?id=28691.

Obituary Listing

Robert W. Hamilton

AsMA recently learned that Robert W. Hamilton, Ph.D., has died. He earned a B.A. from the University of Texas in 1951, an M.S. from Texas A&M in 1958, and his Ph.D. from the University of Minnesota in 1964 with a thesis on respiratory control. He served as a Senior Pilot in the USAF from 1951-1955 and from 1968-1969. He also served in Viet Nam as a tactical fighter pilot and Life Support Officer



DR. FALKENHEIMER IN SERBIA--AsMA Fellow and International Academy of Aviation and Space Medicine Academician Dr. Shari Falkenheimer (center), MA (Bioethics), MD, MPH, was invited to give two presentations to civil and military aeromedical leaders while on a teaching trip to Serbia in October 2012. Dr. Mile Preboc (far right), former head of Yugoslavian Air Force Institute of Aviation Medicine and currently the Advisor-Inspector-Auditor for Aeromedical Services in the Civil Aviation Directorate (CAD), Republic of Serbia, hosted her the sessions at CAD Headquarter in Belgrade.

from 1968-1969. Later, he was a physiologist, Research Supervisor, and Laboratory Manager for Union Carbide/Ocean Systems. He pioneered the use of neon in diving.

Dr. Hamilton joined AsMA in 1960 and served on the Science and Technology Committee. He was a Fellow, a member of the Life Sciences and Bioengineering Branch, and a member of the Aerospace Physiology Society. He was also a member of the Aerospace Industrial Life Sciences Association (AILSA) and received their award for Professional Excellence in 1972. He was a charter member of the Undersea Medical Society. He presented papers at AsMA's Annual Meetings and was co-author on others as well as being lead author or co-author on a number of published papers. He was nominated by the National Academy of Sciences as a Scientist-Astronaut in 1967 and was a finalist in the NASA selection.

New Members

Ambrosetti, David M., B.S., Bradenton, FL
 Atkins, Kenneth W., M.D., St. Catharines, LN, Canada
 Badereldin, Tariq Amir, Dr. med., Jeddah, Saudi Arabia
 Bergman, Alethea, Albuquerque, NM
 Billings, Robert (NMI), Tipp City, OH
 Blacher, Eric S., Capt., M.D., M.P.H., USAF, Fort Lee, NJ
 Bredde, Lena, M.D., Maj., Fevik, Norway
 Buila, Nathan, M.D., Dayton, OH
 Dickie, Justin A., FLT LT, M.B., B.S., RAAF, Seven Hills, QLD, Australia
 Fer, Danyal M., 2Lt., USAF, Indianapolis, IN
 Franko, Evan P., M.D., Warman, Canada
 Georgio, Peter John, II, M.D., Manhattan Beach, CA

Goel, Parul, M.D., Sqn. Ldr., IAF, Gujarat, India
 Gordon, Cheryl L., M.A., CMSgt., USAF, Hampton, VA
 Hafeez, Mohd. Siraj A., Dr., Dharan, Saudi Arabia
 Hayden, Jennifer, Pittsburgh, PA
 Hinton, Stephen S., M.D., Campbellsville, KY
 Jeevarajan, Jerome, Evanston, IL
 Jocelyn, Lebel, M.D., Boisbriand, QC, Canada
 Lee, Euntaek, M.D., Lt. Col., KAF, Dayton, OH
 Mesztickzi, Andras J., Dr., Faro, Portugal
 Nagai, Takashi, Ph.D., Oakdale, PA
 Nontachote, Akkadech, Dr., Bangkok, Thailand
 O'Driscoll, Caroline, Chicago, IL
 Page, Jean, Preston, United Kingdom
 Pavela, James, Norfolk, VA
 Pearson, Vanessa M., Capt., USAF, MC, Malmstrom AFB, MT
 Petrova, Daniela, London, United Kingdom
 Porras Santana, Lina Elizabeth, Bogota, Colombia
 Reis, Catia, Lisbon, Portugal
 Sawatszk, David, Lt. Col., CF, Halifax, NS, Canada
 Seraj, Nausheen, Dr., D.Av.Med., Karachi, Pakistan
 Sinthavalai, Supachai, D.Av.Med., Gp. Capt., RTAF, Bangkok, Thailand
 Sodeman, Thomas C., Lt.Col., M.D., Toledo, OH
 Stafford, John W., M.D., Lafayette, LA
 Stevenson, Tim, M.D., West Sussex, United Kingdom
 Thaiyanun, Boriboon, Maj. Gen., M.D., RTAF, Bangkok, Thailand
 Tindle, David W., Grand Rapids, MI
 Vallee, Isabelle, Capt., M.D., CF, Kingston, NS, Canada
 Velho, Rochelle M., B.Sc., Kent, United Kingdom