



# Ever Upward: September 2015

## News of Members

**Daniel T. Fitzpatrick, D.O., M.P.H.**, a Fellow of the Aerospace Medical Association, has recently left his position as Medical Director of the Neutral Buoyancy Laboratory at Johnson Space Center, Houston, TX. After serving 21 years in the U.S. Army, primarily as a flight surgeon, and working 15 years as a contractor at NASA, Dr. Fitzpatrick has retired from full-time practice and is residing in Navarre, FL.

**CDR Richard V. Folga, USN**, has officially become Program Manager for the Disorientation Research Device at the Naval Medical Research Unit—Dayton in Ohio. He is a Fellow of the Aerospace Medical Association (AsMA) and serves on the Scientific Program Committee.

## New Members

- Bialczak, Radoslaw, Altadena, CA
- Cason, John B., CDR, USN, MC, M.D., San Diego, CA
- Heimbach, Walter, Dr., Koln, Germany
- Herrin, Douglas, Washington, DC
- Kwan, Nathan W., 2LT, USAR, M.S., Atlanta, GA
- Malish, Richard, Col., Enterprise, AL
- Park, Clare, Burlington, VT
- Pastor, Andrew, Dr., Seattle, WA
- Qureshi, Parvez A., M.D., Houston, TX
- Ramadan, Samy S., 2Lt., USAF, B.Sc., Newfields, NH
- Shapiro, Robert S., M.D., Hilo, HI
- Tedford, Jessica L., Galveston, TX

## In Memoriam: Robert E. Mitchell

AsMA was saddened to learn of the death of CAPT Robert E. “Doc” Mitchell, USN (Ret.) earlier this month. A native of California, Dr. Mitchell graduated from the University of California at Berkeley and then earned his M.D. degree from McGill University Faculty of Medicine in Montreal, Canada, in 1947. He was commissioned in the U.S. Navy that same year and performed an internship and residency at the U.S. Naval Hospital in San Diego and Oakland, CA. From September 1949 to September 1950, he served as the Assistant Medical Officer at NOB Kwajalein in the Pacific Ocean, and then returned to the U.S. Naval Hospital in Oakland.



LT Mitchell next attended the Army Medical Service Graduate School at Walter Reed Army Medical Center, graduating in February 1953. He served as Assistant Medical Officer in Naples, Italy, from March 1953 to December 1954 and then became research assistant at the School of Aviation Medicine at NAS Pensacola, FL, where he served until April 1958. During this time, he was designated a Naval Flight Surgeon on June 24, 1955, and he became the principal physician involved in the follow-up studies of the “Thousand Aviator” project initiated by Doctor Ashton Graybiel in 1940. Doc Mitchell worked on this project until 1993. His next assignment was as Senior Medical Officer aboard the USS *Shangri-La* (CVA-38) from April 1958 to July 1960. During this tour, he served as Medical Officer for Commander Carrier Division 7 from May to November 1958, followed by service with Commander Carrier Division 1 from June to September 1959.

CAPT Mitchell again served as Research Assistant at the School of Aviation Medicine at NAS Pensacola from July 1960 to June 1965. He then went to Southeast Asia to serve as Staff Medical Officer for the First Marine Aircraft Wing in Danang, Vietnam, where he flew 34 combat missions as an observer. From Vietnam, he transferred to the Naval Station in Rota, Spain, as Senior Medical Officer and later served as Commanding Officer of the U.S. Naval Hospital Rota from August 1966 to 1970. His final assignment was as Commanding Officer of the Naval Aerospace Medical Research Laboratory, NAS Pensacola. During this tour, he pioneered studies of repatriated Vietnam Prisoners of War (POW) and created the only surviving component of the original tri-service Center for POW Studies established in 1972. The Mitchell Center (which was named to honor Dr. Mitchell) consults and offers services to individuals from all branches of military service, including all 21 former POWs from the Gulf War and 8 former POWs from Operation Iraqi Freedom.

Dr. Mitchell was a highly decorated, often honored, truly distinguished medical researcher and scholar. He was an Emeritus member and Fellow of the Aerospace Medical Association (AsMA) and had been a member since 1956. He was also a member of the Space Medicine Association. He was the winner of AsMA’s 1980 Theodore C. Lyster Award and held the Bronze Star with combat V, Meritorious Service Medal, Air Medal, Combat Action, Navy Unit Citation, and Navy Expeditionary and area ribbons.

## NEWS OF CORPORATE MEMBERS

### AsMA Gains New Corporate Member

The Indonesian Association of Aerospace Medicine is the newest Corporate & Sustaining Member of the Aerospace Medical Association (AsMA). This association was founded in 1999 to be an organization for flight medicine specialists with the goal of promoting aviation medical education and developing flight medicine research. They also assist the government and airlines in improving security and safety during flight and cooperate with other agencies, organizations, and institutions worldwide. Their purpose is to achieve a high level of knowledge, skills, and communication in their profession. For more information, please visit their site at <http://perdospi.com> (site is in Indonesian).

### AOPA Reminds Members of ‘Flight Watch’ Frequency End Date

AOPA is reminding members that the FAA will discontinue the universal Flight Watch frequency 122.0 MHz for in-flight weather services on Oct. 1. Weather services provided under the Flight Watch program En route Flight Advisory Service (EFAS) will continue to be provided via charted frequencies pilots use to obtain weather information, open and close flight plans, and for updates on notams and temporary flight restrictions (TFRs). Pilots also may continue to use the universal frequency 122.2 MHz, the FAA said. The FAA also will end the little-used Remote Airport

Advisory Service in the continental United States on Oct. 1. “Through the use of updated technology Flight Service is taking the opportunity to eliminate redundancies and underutilized services,” the FAA said on its website. Providing the weather services on local flight service frequencies will resolve issues of bleed-over and frequency congestion that have occurred on 122.0 MHz. Another advantage of the change will be the availability of the services on Flight Service frequencies monitored 24 hours a day, seven days a week, as opposed to the limited monitoring of 122.0 MHz, said Rune Duke, AOPA director of government affairs for airspace and air traffic. AOPA has worked with the FAA to make pilots aware that the frequency 122.0 MHz will be decommissioned, and is working to assure pilots that the in-flight weather services will continue to be provided on other frequencies.

—Please see <http://www.aopa.org/News-and-Video/All-News/2015/August/18/Oct-1-end-date-for-Flight-Watch-frequency-122-0> to read more about this.

### Anthem Epoch Observes National Prostate Cancer Awareness Month

Anthem Epoch Health, along with Arkansas Urology, will observe National Prostate Cancer Awareness Month with the 11th annual Kickoff to Men’s Health: The Big Screen Event on Thursday, September 10. The

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Send information for publication in this newsletter to: Journal Department, AsMA; [rtrigg@asma.org](mailto:rtrigg@asma.org)

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event will offer men the opportunity to receive a potentially lifesaving preventive screening at Arkansas Urology's Little Rock campus. Arkansas Urology and Anthem Epoch Health will be giving away a flat-screen TV every 20 minutes to men who register and participate in the screening. Screening results may be mailed to participants or specific results from a healthcare provider may be relayed by phone.

—Please visit <http://www.epochmenshealth.com/epoch-news/12-aug-2015-kickoff-to-mens-health> for more on this.

### AFBA's Chairman Receives Soldier-Citizen Award

The Armed Forces Benefit Association (AFBA) is pleased to recognize the fact that The American College of Financial Services, the nation's largest non-profit educational institution devoted to financial services including Life Insurance, Banking and Securities, recently announced that General Ralph E. "Ed" Eberhart, USAF (Ret.), will receive the 2015 Soldier-Citizen Award. The Soldier-Citizen Award was established in 2014 to recognize extraordinary individuals who have served honorably in the U.S. military, achieved success in the financial services industry, and who have selflessly given back to society and their community. General Eberhart is currently Chairman and President of AFBA. In addition, he serves as Chairman of 5Star Life Insurance Company, the association's underwriter. Eberhart, a retired four-star Air Force General, received the award in August during a ceremony in Lake Geneva, WI.

—Please see <http://www.prnewswire.com/news-releases/the-american-college-congratulates-general-ralph-e-ed-eberhart-usaf-ret-recipient-of-the-2015-soldier-citizen-award-300129980.html> to read more about this.

### Baxter Announces FDA Approval of Cefazolin Premix

Baxter International Inc. and Water Street Healthcare Partners recently announced the U.S. Food and Drug Administration (FDA) has approved Cefazolin Injection in Galaxy Container (2 g/100 ml), which is Baxter's flexible container that uses the company's proprietary aseptic filling manufacturing processes. Cefazolin injection is a cephalosporin antibacterial indicated for preoperative prophylaxis treatment. It has been on the FDA's drug shortage list for more than 1 year due to high demand. Baxter anticipates launching Cefazolin injection 2-gram frozen premix in its Galaxy container in the United States in the fourth quarter of 2015.

—Please visit <http://www.baxter.com/news-media/newsroom/press-releases/2015/08-14-15-baxter-and-water-street-announce-fda-approval-of-cefazolin-2gram-premix.page> for more on this.

### NIOSH Honored in Digital Health Awards Competition

The National Institute for Occupational Safety and Health (NIOSH) was selected as a winner in the 17th annual Digital Health Awards<sup>SM</sup> program this year. This competition recognizes the world's best digital health resources for consumers and health professionals, and recognized NIOSH's Ladder Safety app for a Merit Award in the mobile application category. The Digital Health Awards<sup>SM</sup> program holds a competition twice each year, during the spring and fall months. For Spring 2015, they gave the Merit Award to NIOSH and the production and design team of the Ladder safety app, housed within NIOSH's Division of Safety and Research (DSR): Peter Simeonov, Ph.D., Hongwei Hsiao, Ph.D., and John Powers. NIOSH's Ladder Safety app uses visual and audio signals to make it easier for workers using extension ladders to check the angle the ladder is positioned at, as well as access useful tips for using extension ladders safely. The app is available for free download for both iPhone and Android devices.

—Please see <http://www.cdc.gov/niosh/updates/upd-08-20-15.html> to read more about this.

### Gentex Hosts Interactive F-35 Cockpit Demonstrator

Gentex recently hosted a showcase of Lockheed Martin's F-35 Lightning II mobile cockpit demonstrator, which was shown to state and local elected officials and employees in Southern California at Gentex Corporation, which supplies the F-35 helmet shell, Helmet Cable Interface (HCI) cable, oxygen mask, Active Noise Reduction (ANR), Laser Eye protection (LEP) spectacles, Chem/Bio (CB) respirator, F-35 test set and custom fitting services for the F-35. U.S. Representatives Pete Aguilar (D-CA-31) and Norma Torres (D-CA-35) both praised Gentex for their work on pro-

grams like the F-35. During the event, attendees received an update on the status of the program as well as the opportunity to "fly" the F-35 cockpit demonstrator to experience stealth capability, fighter agility and integrated information through the eyes of a pilot.

—Please visit <http://www.gentexcorp.com/news-events/news/gentex-hosts-lockheed-martin-and-interactive-f-35-cockpit-demonstrator> for more.

### Mayo Clinic-Led Study Validates PRO-CTCAE

A multicenter study involving Mayo Clinic researchers has found that the National Cancer Institute's Patient Reported Outcomes version of the Common Terminology Criteria for Adverse Events (PRO-CTCAE), was accurate, reliable, and responsive compared to other, established patient-reported and clinical measures. The study was published recently in the journal *JAMA Oncology*. Researchers recruited more than 1,000 patients from nine clinical practices across the United States, including seven cancer centers. Patients were asked to fill out the PRO-CTCAE questionnaire before appointments. Researchers then compared the patient reports against other established measures of symptoms, including case and quality of life reports, and prescription information. Researchers were able to validate 119 of 124 PRO-CTCAE questions against established measurement tools. PRO-CTCAE is now embedded in a number of clinical trials underway.

—Please see <http://newsnetwork.mayoclinic.org/discussion/mayo-clinic-led-study-validates-tool-for-patient-reporting-of-side-effects-in-cancer-clinical-trials/> to read more.

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### Corporate News Bites

**Air Canada:** Air Canada recently reported a system-wide capacity increase of 9.7 per cent and a record system load factor of 87.3 per cent, versus 86.7 per cent in July 2014. System wide traffic for July increased 10.5 per cent. Air Canada reports traffic results on a system-wide basis, including regional airlines from which Air Canada purchases capacity and Air Canada rouge<sup>®</sup>. For more on this, please visit <http://aircanada.mediaroom.com/index.php?s=43&item=908>.

**ALPA:** The Air Line Pilots Association, Int'l (ALPA) recently honored Delta Air Lines Capt. James Judkins for his extraordinary effort in performing an emergency landing in low visibility after a series of in-flight electrical failures disabled several of the aircraft's cockpit systems. ALPA presented the Superior Airmanship Award to Capt. Judkins at its 61st Air Safety Forum in July. To read more about this, please see <http://www.alpa.org/news-and-events/news-room/2015-07-23-air-safety-award-james-judkins>.

**David Clark Co.:** A video was produced for David Clark Co. by Illustra Visions for the David Clark Company 80 Year Anniversary exhibit at the Worcester Historical Museum. The exhibit in the Booth Gallery explores how David Clark transformed his company and reached new heights in protective self-contained environments for high altitude pilots and astronauts. To learn more, please visit <http://www.davidclarkcompany.com/two-way/news.php?newsid=74>.

**Environics:** Envionics has announced expanded options for their Zero Air Generator. The new pumpless model can now produce ultra-high purity zero-grade air from an existing compressed air source. For more information, please visit <http://www.envionics.com/news---events/news-and-announcements>.

**ETC:** Environmental Tectonics Corp. (ETC) recently announced the results of its 2015 annual shareholders meeting. During that meeting, Dr. George K. Anderson, a Fellow of AsMA, was elected as one of the Directors of ETC and was named Chairman of the Board. To read more about this, please see <https://www.etcusa.com/etc-announces-results-of-the-2015-annual-meeting-of-the-shareholders-vote/>.

**InoMedic:** InoMedic's Aerospace Medicine Team recently helped NASA and NIOSH test mine emergency shelters and personnel rescue equipment at NASA Kennedy Space Center. The 1-year anniversary of the Chilean mining disaster was in early August, during which NASA demonstrated its value. For more, please visit their Facebook page at <https://www.facebook.com/IHAMedical/posts/638825339588248>.

### SAA's Integrated Report Receives Accolade

South African Airways' (SAA's) Integrated Annual Report has received an accolade at the annual integrated reporting awards. The airline's 2014 Integrated Report was ranked sixth amongst the State-Owned Enterprises (SOCs) assessed as part of the Nkonki SOC Integrated Reporting Awards. As part of the report, 20 of the country's SOCs were assessed in terms of their integrated reporting performance. SAA's report has shown marked improvement over the years and was ranked 11th in 2011 and 2012; 13th in 2013, and now 6th for 2014. The airline has moved from an "F" in 2011 to a "C" for the 2014 report.

—Please visit <http://www.flysaa.com/us/en/flyingSAA/News/South African Airways Integrated Report awarded.html> for more on this.

### United Scholarships Kick Start the School Year

United Airlines continues its investment in the education and development of hundreds of undergraduate and graduate students by awarding more than \$1 million in scholarships to its employees and their families through the United Scholarship Fund (USF). A company-sponsored charity, the USF has awarded more than 750 scholarships for the 2015-2016 school year—more than 250 of them to new recipients—based on several factors, including financial need, academic standing, community involvement, and leadership ability. This year's recipients live in 4 countries and 17 states within the United States. The USF is a private, nonprofit charity that supports the educational pursuits of employees and their dependents. Students have the opportunity to apply for a one-time scholarship of \$1,000 or a \$1,500 award renewable for up to 5 years, including 1 year of graduate school after completing a bachelor's degree. Since its creation in 2002, the USF has contributed more than \$9 million in scholarships to nearly 2,700 recipients.

—Please see <http://newsroom.united.com/2015-08-17-United-Airlines-Scholarship-Fund-Distributes-More-Than-1-Million-to-Kick-Start-the-School-Year> to read more about this.

#### Read Current News Online!

The AsMA News, Industry News, and Member News pages online are updated regularly. There is also a form on the top right-hand side of the Members Only page so members can send in their news!

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### MEETINGS CALENDAR

**September 20-24, 2015;** 63rd International Congress of Aviation and Space Medicine (ICASM 2015); Oxford, UK. For more information or to register, please visit <http://icasm2015.org/en/>.

**September 29-30, 2015;** Aviation Health Conference; Millennium Gloucester Hotel, London, UK. For more, please visit: <http://www.quaynote.com/ankiti/www/?code=AVHealth15>.

**October 12-16, 2015;** 66th International Astronautical Congress (IAC 2015); Jerusalem, Israel. For more information, please visit <http://www.iac2015.org/cost-and-payments/>.

**October 26-30, 2015;** 2015 International Annual Meeting of the Human Factors and Ergonomics Society; JW Marriott Los Angeles at L.A. Live. For more, please visit <https://www.hfes.org/Web/HFESMeetings/2015annualmeeting.html>.

**November 2-4, 2015;** 53rd Annual SAFE Symposium; Caribe Royale Hotel & Convention Center, Orlando, FL. For more information, please visit <http://www.safeassociation.com/index.cfm/page/symposium-overview>.

**November 2-4, 2015;** International Air Safety Summit (IASS); Miami, FL. For more, please visit <http://flightsafety.org/meeting/iass-2015>.

**November 3-4, 2015;** Injury Mechanism Analysis in Aerospace Accident Investigation Workshop; Civil Aerospace Medical Institute (CAMI) Auditorium, Mike Monroney Aeronautical Center, Oklahoma City, OK. For more or to register, please visit [http://www.faa.gov/data\\_research/research/med\\_humanfacs/aeromedical/aai\\_workshop/](http://www.faa.gov/data_research/research/med_humanfacs/aeromedical/aai_workshop/).

**November 10-12, 2015;** The XI International Scientific and Practical Conference "Manned Space Flights"; Star City, Russia. For more information, please visit <http://msf2015starcity.com/en>.

**November 23-25, 2015;** ICAO World Aviation Forum: Aviation Partnerships for Sustainable Development; ICAO Headquarters, Montreal, Quebec, Canada. For more information, please visit <http://www.icao.int/meetings/iwaf2015/Pages/default.aspx>.

**December 3-5, 2015;** First UAE International Symposium on Air Sport Medicine. This symposium is being held as part of the FAI World Air Games Dubai 2015 from Dec. 1-12. For more information, please see [http://www.asma.org/asma/media/asma/pdf-meetings/Other%20Meetings/cimp\\_symposium\\_announcement.pdf](http://www.asma.org/asma/media/asma/pdf-meetings/Other%20Meetings/cimp_symposium_announcement.pdf).

### HFES 2015 International Annual Meeting

Join the largest international gathering of researchers and solution-providers to discuss innovative ideas, debate hot-button issues, and hear the most recent and relevant knowledge in the dynamic, fast-paced field of human factors/ergonomics. HFES 2015 will be held October 26-30, 2015 at the JW Marriott Hotel at L.A. LIVE in Los Angeles, California.

Expand your career capabilities with hands-on skill-building workshops and 100+ technical sessions presented in 23 specialty areas, including: Health Care; Safety; Aerospace Systems; Surface Transportation; Product Design; and much more!

Grow your global network, explore new partnerships, and share ideas and experiences with like-minded colleagues.

Nonmembers who have never been HFES members receive complimentary HFES membership through December 31, 2016, with payment of the regular full-week nonmember registration fee. (Not applicable for student registrants.)

For more information, including complete registration details, accommodations, technical tours, workshops, and more, visit [www.hfes.org/Web/HFESMeetings/2015annualmeeting.html](http://www.hfes.org/Web/HFESMeetings/2015annualmeeting.html).

### Future AsMA Annual Scientific Meetings

April 24-28, 2016: Harrah's Resort; Atlantic City, NJ  
April 29-May 4, 2017: Sheraton Denver Downtown; Denver, CO  
May 6-10, 2018: Hilton Anatole Hotel; Dallas, TX  
May 5-9, 2019: Rio All Suites Hotel; Las Vegas, NV