



# Ever Upward: August 2016

## Valerie Martindale is President-Elect of AsMA; Gradwell Installed as President

Valerie E. Martindale, PhD, CAsP, FAsMA, has been elected President-Elect of the Aerospace Medical Association



(AsMA). The election was held at Annual the Business Meeting during the 87th Annual Scientific Meeting of the Association, April 24, 2016, at Harrah's Resort Hotel, Atlantic City, NJ. Dr. Martindale has 25 years of experience in fields of aerospace physiology, human performance, and human systems integration. A 22-year Air Force veteran, she has held two AsMA Vice President positions and served

as Scientific Program Committee Chair, as well as providing continued service on a number of the Association's committees. She has been president of the Aerospace Human Factors Association and the Life Sciences and Biomedical Engineering Branch, and Secretary of the Aerospace Physiology Society. Last year she began the President's ad hoc Committee for Career Development, which she hopes to see progress to standing committee status.

Currently, Dr. Martindale lives and works in Tokyo, where she is a Research Program Manager for the Army Research Office. She manages a portfolio of basic research in biology that seeks to make use of the rapidly developing tools of synthetic biology to investigate areas from medicine to materials, and from cognition to energy production. She will work to see AsMA recognized for its unique role as a multidisciplinary problem solving organization, tackling the future challenges for humans in aerospace and other extraordinary environments, and to develop its ability to serve as a vibrant, active center for career placement and development for professionals in the many areas that make up Aerospace Medicine and Human Performance.

Dr. Martindale received her B.A. (with honors) from Northwestern University in 1983, as well as an M.S. in Neurobiology and Physiology in the 4-yr Honors Bachelor-Masters Combined Degree Program. She went on to Case Western Reserve University, receiving her Ph.D. in Developmental Genetics and Anatomy in 1989. She joined the U.S. Air Force in 1990. From 1990-96 she was Chief of Veterinary Hyperbaric Medicine/Aerospace Physiology Division, Clinical Investigation Directorate, 59th Medical Wing, Lackland AFB, TX. In 1996 Dr. Martindale became Commander, 421st Medical Support Squadron. From 1996 to 1998, she was Associate Chief, Division of Altitude and Hyperbaric Physiology, Armed Forces Institute of Pathology in Washington, DC. In 1998 she became Chief of Operations, 89th Physiological Training Flight, Andrews AFB, MD, and in 2000 she became 314th Aerospace Physiology Training Flight Commander, Little Rock AFB, AR. From 2002 to 2005, she was Chief, International Human Factors, European Office of Aerospace Research and Development, London,

UK. She returned to the U.S. in 2005 to become Chief, Aerospace Physiology and Human Performance Enhancement Division, Brooks City-Base, TX. From 2007 to 2016 she was Human Performance Consultant, and (as of July 2009) Chief, Warfighter Support Division, Air Force Human Systems Integration Office, Wright-Patterson AFB, OH.

Dr. Martindale has held several Adjunct Faculty positions including: Adjunct Assistant Professor, Uniformed Services University of the Health Sciences, 2007 to present; Adjunct Faculty, USAF School of Aerospace Medicine, 1992 to present; Adjunct Assistant Professor, Embry-Riddle Aeronautical University, 2001 to 2002; Adjunct Assistant Professor, Department of Dental Diagnostic Science, University of Texas Health Science Center at San Antonio, 1991 to 1996; and Special Member, Graduate Faculty, University of Texas Health Science Center, 1995.

Dr. Martindale holds a private pilot certificate and has flown a variety of military aircraft. She is the author of several published manuscripts, has presented at meetings in the U.S. and internationally, and holds one patent. In addition to the Aerospace Medical Association and several of its constituent organizations, she is a member of the American Society for Cell Biology and the Europe Chapter of the Human Factors and Ergonomics Society.

**David P. Gradwell, B.Sc., Ph.D., M.B. Ch.B., D.Av.Med., FRCP, FRCP Edin., FRAeS**, who is currently Professor of Aerospace Medicine, Faculty of Life Sciences and Medicine, Guy's Campus, at King's College London, was installed as President of AsMA during the Council meeting on Thursday, April 28, 2016. [For a full biography of Prof. Gradwell, please see *Aerosp Med Hum Perform.* 2015; 86(8):763 or the [August 2015 newsletter](#).]

Other elected officers are:

**Vice Presidents:** Charles DeJohn, M.D., and Walter W. Dalitsch, III M.D., M.P.H.

**Secretary:** Brian Pinkston, M.D., M.P.H.

**Treasurer:** James DeVoll, M.D., M.P.H.

**Council Members at Large:** Denise Baidson, M.D., Eilis Boudreau, M.D., Kathy Hughes, M.D., M.P.H., D.Av.Med., and Tom Travis, M.D., M.P.H.

### Future AsMA Annual Scientific Meetings

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

May 6-10, 2018  
Hilton Anatole Hotel  
Dallas, TX

May 5-9, 2019  
Rio All Suites Hotel  
Las Vegas, NV

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

**AEROSPACE MEDICAL ASSOCIATION HONORS NIGHT AWARDS  
Atlantic City, NJ, April 28, 2016**

Kris M. Belland, D.O., MBA, M.P.H, 2015-2016 President of the Aerospace Medical Association, presented 19 awards to outstanding members during the Honors Night ceremonies at the 87th Annual AsMA Scientific Meeting, April 28, 2016, at the Harrah's Resort and Hotel, Atlantic City, NJ. K. Jeff Myers, M.D., Chair of the Awards Committee, and Cathy DiBiase read the citations. The names of the awards' sponsors and representatives, when present, are printed in parentheses. All photos, unless otherwise stated, by Pamela C. Day.

**Meeting Photo Galleries**

For more photos from the annual meeting in Atlantic City, please visit our Photo Gallery page at <https://www.asma.org/annual-meetings/photo-gallery>. All photos by Pamela C. Day unless otherwise stated.



**LOUIS H. BAUER FOUNDER'S AWARD  
John D. Hastings, M.D.  
(Mayo Clinic)**



**BOOTHBY-EDWARDS AWARD  
Quay Snyder, M.D., MSPH  
(Michael Berry, Harvey Watt & Co.)**



**JOHN ERNSTING AWARD  
Anthony Evans, M.B.Ch.B., D.Av.Med.  
(Richard Leland, ETC)**



**KENT K. GILLINGHAM AWARD  
David G. Schall, M.D., M.P.H., FACS  
(Brig. Gen. Erich Roedig, GAF (Ret.), AMST)**



**WALTER AND SILVIA GOLDENRATH AWARD  
Maj. Jaime R. Harvey, USAF, BSC  
(Allen Parmet, Walter & Sylvia Goldenrath Foundation)**



**WON CHUEL KAY AWARD**  
**Michael A. Berry, M.D., M.S.**  
(Aerospace Medical Association of Korea)



**JOE KERWIN AWARD**  
**James M. Vanderploeg, M.D., M.P.H.**  
(Michelle Frieling, Wyle)



**MARY T. KLINKER AWARD**  
**Mary F. "Bunny" Foley, B.S., R.N.**  
(Marian Sides accepts)  
(George Beck, ZOLL Medical Corporation)



**SIDNEY D. LEVERETT, JR., ENVIRONMENTAL SCIENCE AWARD**  
**Peter A. Hancock, D.Sc., Ph.D.**  
(Robert Laurent, ETC)



**ERIC LILJENCRANTZ AWARD,**  
**J. Lynn Caldwell, B.S., M.A., Ph.D.**  
(Russell Rayman, Aerospace Medical, PLC)



**RAYMOND F. LONGACRE AWARD**  
**Arlene Saitzyk, Ph.D.**  
(Eduard Ricaurte, Aerospace Human Factors Assoc.)



**THEODORE C. LYSTER AWARD**  
**Andrew C. Marchiando, M.D., M.P.H.**  
 (John Crowley, Army Aviation Medical Association)



**MARIE MARVINGT AWARD**  
**Daniel Buckland, M.D., Ph.D. (Alex Garbino accepts)**  
 (Henri Marrotte, French Aerospace Medical Assoc.)



**HARRY G. MOSELEY AWARD**  
**Paolo M. Alves, M.D., M.Sc.**  
 (Lockheed Martin Corporation)



**JOHN PAUL STAPP AWARD**  
**Richard DeWeese, B.Sc.**  
 (Robert Laurent, ETC)



**JOHN A. TAMISIEA AWARD**  
**Kevin Herbert, M.B.Ch.B., D.Av.Med.**  
 (Warren Silberman, Civil Aviation Medical Association)



**THOMAS J. AND MARGARET D. TREDICI AWARD**  
**C. Robert Gibson, O.D.**  
 (Douglas Ivan, Tredici Endowment Fund)



**ARNOLD D. TUTTLE AWARD**  
**Kathleen D. Van Benthem, B.Sc.(Hons.), MHS, Ph.D.**  
 (Bill Ercoline, Wyle)



**JULIAN E. WARD MEMORIAL AWARD**  
**Lt.Col. Stephanie Davis, USAF, MC**  
 (Col. Joe Ortega, USAF, MC, Soc. of USAF Flight Surgeons)



**MARIE MARVINGT AWARD**  
**Daniel Buckland, M.D., Ph.D.**  
 (Jeff Sventek presents; photo by Rachel Trigg)



**President's Citation:** (left to right) AsMA President CAPT Kris Belland presented the citation to AsMA staff members Pamela Day, Sheryl Kildall, Gloria Carter, Gisselle Vargas, Rachel Trigg, and Jeff Sventek for their commitment and dedication to the Association.



**FELLOWS CLASS OF 2016**--Nader Abou-Seif; Stephen A. Bernstein; Desmond M. Connolly; Steven J. Gaydos; Rajib Ghosh; Brenton E. Haskell; Nora R. Johnson; Vivienne M. Lee; Richard Leland; Ian A. Mollan; Patrick C. Rodriguez-Redington; Lina M. Sanchez; Courtney D. Scott; Philippe A. Souvestre; and Jeffrey P. Sutton. Those present at Honors Night are pictured here with AsMA President Kris Belland (left) and Chair of the Fellows Group, James Vanderploeg (right).

**Upcoming FAA AME Seminars**

**Please note:** AsMA only takes registrations for the seminar held in conjunction with the annual meeting.

**Dates; Location; Seminar**  
 Sep. 8-10; Rochester, MN; CAMA  
 Oct. 24-28; Oklahoma City; Basic  
 Dec. 2-4; Tucson, AZ; Refresher

For more info or to register, please visit the FAA's AME Seminar page: [http://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/).



**Passing the gavel:** Kris Belland, D.O., MBA, M.P.H. (left), passes the gavel to incoming President David P. Gradwell, B.Sc., Ph.D., M.B.Ch.B.



**President's pin (left):** Kris's wife, Pam, pins Kris with the Past President's pin. **President's gift (right):** Incoming AsMA President David Gradwell presents outgoing President with a clock and bosun's call for his service to AsMA.



**Sideboys:** Former President CAPT Kris Belland is escorted from his post with a Side Boys Honor Guard.



**50-Year pins:** Two members of AsMA, Daniel Lestage, M.D., M.P.H. (left), and David Gillis, M.D. (right), were presented with 50-year pins by AsMA President Kris Belland, commemorating their 50 years of membership.



**Thanks for coming:** Atlantic City Mayor Donald A. Guardian thanked the Association for coming to town and encouraged those attending the meeting to enjoy all the city has to offer.



**Welcome to Atlantic City:** (left to right) Harriet Lester, Arrangements Chair, Jeff Sventek, Executive Director, Congressman Frank LoBiondo, and Kris Belland, AsMA President. Congressman LoBiondo welcomed the Association to Atlantic City.



**Plenary lectures:** (Above) Genie Bopp, representing Wyle, with Lt. Gen. (Ret.) Douglas Robb, the 62nd Bauer Lecturer, and Kris Belland, AsMA President; (above right) Dr. Belland with CAPT (Ret.) Frank Butler, 3rd Reinartz lecturer; (right) Dr. Belland, Arnaud Desjardin, the 51st Armstrong lecturer, and Bob Laurent, representing ETC.



**Read Current News Online**

Visit the AsMA, Industry, and Member News pages. They're updated regularly. There's also a form on the top right-hand side of the Members Only page so members can send in their news!

**Scholarship Winners**



**Jeffrey R. Davis, M.D., Aerospace Medicine Endowed Scholarship:** Kris Belland, AsMA President (left), presents the Davis Endowed scholarship to Wilfredo Rodríguez-Jiménez, M.D., M.S.



**Stanley R. Mohler, M.D., Aerospace Medicine Endowed Scholarship:** George Anderson, M.D. (left), presents the scholarship to Rahul Suresh, M.D., M.S., while Kris Belland, AsMA President (right), looks on.



**AMSRO's Travel Scholarship:** Kris Belland, AsMA President (left), presents the AMSRO Travel scholarship to Lisa Brown, Ph.D. She also won the Jeffrey R. Davis, M.D., International Aerospace Medicine Scholarship.

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**5th European Congress of Aerospace**

**Medicine, Oslo, Norway, September 15-18, 2016.** Visit <https://www.asma.org/scientific-meetings/oslo-norway-5th-european-congress-of-aerospace-med> to register or learn more.

## Abridged Minutes of the Aerospace Medical Association 87th Annual Business Meeting Tuesday, April 26, 2016, Harrah's Resort Hotel, Atlantic City, NJ

**Call to Order (Belland):** A quorum for the meeting was established at 12:10 p.m. on Tuesday, April 26, 2016. Dr. Kris Belland, President, called the meeting to order at 12:11 p.m.

**In Memoriam (Belland):** The president asked attendees to pause to remember those members who passed away this year.

**Recognition of Past Presidents (Belland):** Dr. Belland invited the Past Presidents of AsMA to rise.

**Report of the President (Belland):** Kris first went over the Rules of Engagement. The theme of the meeting this year is Human Performance and the Year of the Aerospace Medicine Professional. He also went over the top 10 knowledge gaps. We are in our 3rd year of the strategic plan. AsMA members expect governance; opportunities for research; responsiveness to AsMA members; representation to professional, commercial, and governmental organizations; education; and opportunities for professional growth. There is a new ad hoc committee on aerospace medicine legal issues, such as space tourism and missions to Mars. Of note, ExCom met in February and came up with our 2016-2017 initiatives. One of the top priorities is to engage all who fly as well as use our expertise to present aerospace medicine to other medical communities thereby improving knowledge worldwide about aerospace medicine. To underscore our relevance in our professional communities, Phil Scarpa and the Pilot's Mental Health Working Group Paper was referenced 12 times in the German Wings Report.

In his parting shots, Dr. Belland noted that every AsMA initiative has been improved upon. Credit goes to the Executive Director, Headquarters staff, Vice Presidents, committee chairs, and constituent and affiliate organizations. For Governance: we are financially stable; we can go through 2 years of losses on Annual Meetings and still sustain. For Representation and Advocacy: we are making giant strides in developing our presence in social media and our presence with the AMA and AoA. For International Services: we are more engaged than ever, Our future is bright. For Member services: we turned around 5-year trend of diminishing membership. And for Education and Research: it was the best AsMA ever!

**Report of the Executive Director (Sventek):** "Mr. President, officers, and members of the Aerospace Medical Association, it is my pleasure to report that this past year was extremely active and highly successful. It is the incredible volunteer spirit of our Association members that sustains our success. Thank you for your continued strong support of the Aerospace Medical Association. I'd like to recognize the Headquarters Office staff and our journal independent contractors. They work hard every day to provide a high quality scientific journal as well as outstanding customer service and administrative support to our more than 2,400 members.

As many of you know, attendance at our Annual Scientific Meetings is affected by the ability of those attending to garner continuing education credits for their participation. This year's meeting is accredited for 24 AMA PRA Category 1 Credits™ as well as 23.5 Prescribed Credits by the American Academy of Family Physicians, and 24.0 Category 1-B Credits by the American Osteopathic Association.

Nurses attend our Annual Scientific Meeting for numerous reasons, and a Nurse Contact Hours track was accredited by the Montana Nurses for this year's meeting. The Aerospace

Nursing Society accepted the challenge to submit the necessary documentation to the Montana Nurses Association. This is no small task and Nora Johnson, RN, BSN, CCM led the effort to organize and submit the required documents for review. Her efforts resulted in the Nurse Contact Hours track being approved for 22.5 Nursing Contact Hours. Congratulations on this significant achievement.

As of this morning, total registration for this meeting is 1,495, compared to 1,521 at the same time for the 2015 meeting. Of that total, 1,379 were registered in advance of the meeting and 116 attendees registered here on site. This represents a decrease of 26 attendees or 1.7% below the 2015 meeting in Orlando. We extended the Advance Registration rates through April 23 in an effort to provide the US federal agencies more time to make their conference funding decisions. We also worked closely with Mr. Walt Galanty of AIM Meetings and Events and the Harrah's Resort Hotel to provide all attendees per diem room rates. The Harrah's Resort Hotel sold out of rooms four times, and graciously added additional rooms to the AsMA room block. Most of the additional rooms were added at the \$92.00 + taxes/night room rate. However, rooms for the Friday and Saturday nights preceding the start of the 87th Annual Scientific Meeting were added at a rate of \$139 + taxes/night. These rooms normally sold as high as \$399.00 + taxes/night. The Harrah's team did a great job working with us.

This is the first time in many years our meeting dates do not include the Mother's Day holiday as is celebrated in the United States. All future meetings will avoid the Mother's Day holiday. Unfortunately, this year's meeting coincides with the Jewish Passover. Thanks to Harriet Lester and the Arrangements Committee for working to provide some kosher food items for those observing Passover.

There are 31 companies exhibiting with us this year using 31 exhibit booth spaces. We very much appreciate our exhibitors and corporate members. They provide our attendees with great insight into the latest technologies and processes to improve the delivery of Aerospace Medicine. We held the AsMA Welcome Reception in the Exhibit Hall again this year and based upon the positive comments received for that event, we will continue this practice in 2017. This is the second year that we've offered exhibitors the opportunity to provide presentations on their products and services in the exhibit area. We will collect feedback from the exhibitors and determine if we will continue to offer exhibitors the opportunity to provide presentations in future meetings.

Also for the second year, we are offering AsMA Committees, Constituent Organizations, and Affiliated Organizations the opportunity to provide poster presentations on their activities. The poster session for these groups will be Wednesday, April 27, 2016 in the Avalon 18/19 rooms from 10:00 AM to 2:00 PM. Please take a few minutes to visit the poster session and see all of the excellent work accomplished by our AsMA Committees, Constituent Organizations, and Affiliated Organizations. You may consider joining one or more of these groups to help them in their mission.

In conjunction with the Wednesday poster presentations in Avalon 18/19, we are offering a Speed Networking opportunity. This initiative has been developed by Dr. Valerie

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Martindale, Vice President of Member Services, and an active group of volunteers. There will be 10 networking stations available and each participant will get approximately 5-7 minutes per station. Should be great fun and a wonderful opportunity for folks to network with other AsMA members. The Speed Networking will occur Wednesday, April 27, 10:00 AM – 12:00 PM in Avalon 18/19.

Finally, I am required to report the Aerospace Medical Association financial status for 2015. I will leave the details to our Treasurer to explain but on December 31, 2015, the Aerospace Medical Association reported excess revenues of \$37,317.00. “

**Journal (Day):** Pam Day, Rachel Trigg, and others worked on the journal redesign. During this process, she submitted and won an Excel Award from the Association Media and Publishing, and she will be accepting the award in June.

**The Scientific Program Committee (Shender):** Barry Shender emphasized the new format for abstracts. He also noted that we will need volunteers to attend the review meeting in Houston in November. Patricia MacSparran will be the chair for 2017.

**Report of the AsMA Foundation (Anderson):** George Anderson delivered the report of the AsMA Foundation. George said the Foundation is doing very well. George thanked the Executive Director, Peach Taylor. Jeff Davis is the Vice Chairman. Dr. Anderson said the Board is doing a great job of managing their endowed assets in the Foundation. The principal mission of the Foundation is to receive charitable gifts, to responsibly manage their finances, and to award scholarships and grants. He reported that Rahul Suresh was the recipient of the Stanley R. Mohler, M.D., Aerospace Medicine Endowed Scholarship this year, to be presented on Thursday. Dr. Anderson then told the members that his message is to give to the Foundation. It's easy to do. The Foundation has a booth in the Exhibit Hall and someone will be happy to answer any questions.

**GOVERNANCE (Gradwell):** David Gradwell, VP for Governance, reported that the Strategic Plan should become an ongoing process. In defining metrics for 2016-17, is it important to ensure that our membership database is current. We should strive to beat registration records when we go to Denver next year. The UK just recognized the specialty of Aerospace Medicine as of 1 April 2016. AsMA helped to support this decision process.

**Nominating Committee (Webb):** Jim Webb provided the slate of officers for vote: President Elect, Valerie Martindale; Vice Presidents, Charles DeJohn and Walt Dalitsch; Treasurer, James DeVoll; and Members at Large, Denise Baisden, Eilis Boudreau, Kathy Hughes, Tom Travis. The slate of officers was accepted unanimously.

**Bylaws Committee (Baisden):** Denise Baisden thanked her committee and put forward the five motions concerning bylaws changes. The proposed changes to the Bylaws were printed in February issue of *Aerospace Medicine and Human Performance*, p. 157. All five proposed changes passed.

**Treasurer's Report (DeVoll):** Jim DeVoll reported that in 2014 we had a net profit of \$50,783; in 2015 we had a net profit of \$33,131. Our 5-yr interim audit in early April showed that our accounts are in order and look good. We had a great meeting in 2015 and an even better one in 2016, so our finances look strong.

**REPRESENTATION AND ADVOCACY (Ortega):** Joe Ortega introduced the Representation and Advocacy reports. He noted that we are improving the usability of the website and our social media projects are going well. Constituent organizations will be able to collect dues through the new database management system. AsMA now has representation in the European Commission on Accreditation of Medical Transport Systems (CAMTS).

**Air Transport Committee (Alves):** Paulo Alves reported that they are working on guidelines for patient transport the will need to meet peer-review requirements for publication. They have a project on development of recommendations of airline medical kits. Frank Pettyjohn represented our position to the American College of Emergency Physicians.

Note: There were no new resolutions this year.

**EDUCATION AND RESEARCH (Boudreau):** There are two central themes this year: 1) Supporting the scientific program to create highest quality scientific meeting; 2) providing infrastructure for scientific quality. They are working on a Gap Analysis process. This is a plan to drive research, systematic reviews, interact with stakeholders. Researchers in the UK want to develop a Cochrane group for Aerospace Medicine. Funding agencies look for this and this is how we stake our position in the medical communities.

**Aerospace Safety Committee (Jim Elliot):** They are working on the 3rd class medical certificate, ejection seat training in private jets, and clinical preventive services in FAA medical exam.

**Education and Training Committee (Alex Garbino):** ACOEM will meet before our meeting in Denver. They are working on a joint session with them. They are streamlining our CME process by working with UHMS.

**History and Archives Committee (Walter Dalitsch):** They are working with an aeromedical display at Naval Aviation Museum. The new committee chair will be Mark Campbell.

**Science and Technology Committee (Bill Fraser):** They worked on the new templates for abstracts. They need innovative papers on science and technology to be published in the journal.

**MEMBER SERVICES (Martindale):** Valerie Martindale reported that they are working on marketing and awareness to new members. They are also working to improve services to show increasing value to members. A speed mentoring event was organized for Wednesday (it was a huge success).

**Corporate and Sustaining Membership Committee: (Peter Lee):** This is composed of association members to interact with corporate forum. It ensures mutual benefit. Dr Lee explained the evolution from Corporate Affiliate to Corporate Forum. The Corporate Affiliate started in 2000 and was changed to the Corporate Forum this year. Tiered sponsorship was rolled out for better return on investment for corporate members. They are working to support the Bellagio congress which is a corporate-sponsored event. The 2017 congress will be about terrestrial applications of space medicine. (Dr. Sides spoke in depth on this).

**Membership Committee (Joe Dervay):** They are working with the member lists of the American College of Graduate Medical Education which includes nearly 3000 residencies/250K residents. They are trying to get membership info to all of them. The Membership Department at AsMA headquarters sent out 2600 electronic packages to residencies this year regarding our annual scientific meeting and our

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Association. They are working on contacting medical schools: 131 MD schools and 31 DO schools, representing about 90K students. Additionally they are looking into working with international schools and residencies on increased membership. They are working on scholarships for travel. They have developed an ad hoc committee on career development.

**INTERNATIONAL SERVICES (Vermeiren):** The former International Activities Committee has change to the Global

Liaison and Outreach Committee (GLOC). They have seven global regions and will focus on increasing international attendance and influence within AsMA. There will be a joint AsMA/ESAM and Norwegian Society meeting this year in Oslo in September. Jim Vanderploeg and Phil Scarpa from the Pilot Mental Health Pilot Committee represented AsMA at the EASA rulemaking meeting.

**Adjourn:** The meeting adjourned at 2:04 p.m.

**Jeffrey C. Sventek, M.S., CAsP, Executive Director, and Brian Pinkston, M.D., Secretary**

## SPACE MEDICINE ASSOCIATION ANNUAL AWARDS 2016

### The 2016 Space Medicine Association Lifetime Achievement Award

The recipient of the Space Medicine Association 2016 Lifetime Achievement Award was Dr. Charles A. Berry. Dr. Berry graduated from the University of California at Berkley with a BA (1945) and then an MD (1947). He then did a rotating internship at the University of California at San Francisco (1948). He was a family practitioner in Indio, California for three years and then was chosen as one of the first twenty-five aeromedical residents in the charter Air Force Aeromedical Residency Program at Randolph AFB which he finished in 1952. He was an Air Force Flight Surgeon in Panama (1952-1955) and then returned to Randolph AFB School of Aerospace Medicine as the Deputy Chief and then the Chief of Aviation Medicine (1956-1959). He was then the Chief of Flight Medicine at the Surgeon General's Office in Washington, DC from 1959 to 1962.

Dr. Berry was a member of the Mercury Astronaut Selection Committee, choosing the first seven Mercury Program astronauts in 1959, and was a Project Mercury Aeromedical Monitor. He became the Chief of Medical Operations at NASA JSC in 1962 and later was the Director of Medical Research and Operations and then the Director of Life Sciences. He left NASA in 1974 to become the President of the University of Texas Health Science Center in Houston.

Dr. Berry is remembered for several outstanding accomplishments in the area of space medicine. He balanced the concerns regarding the lack of research data for spaceflight operations for the Mercury and Gemini Programs which potentially would have delayed the space program. He was instrumental in the medical management of the first long duration Gemini flights (4, 8, 14 days). He confronted the medical issues for the first Gemini EVAs. He was faced with understanding the first appearance of Space Motion Sickness during the early Apollo flights. He established a pre-flight quarantine program for Apollo. He managed the medical issues for the first Apollo Lunar EVAs. He established the Apollo post-Lunar quarantine program. He dealt with the myriad Apollo 13 medical issues. Dr. Berry was heavily involved with the medical, research, and countermeasure issues during the first truly long duration spaceflights of Skylab (1, 2, 3 months).

Dr. Berry has received many awards and honors. He was a President of both the Space Medicine Branch and the Aerospace Medical Association. He received the AsMA Tuttle, Bauer, and Lyster Awards, the Space Medicine Branch Strughold Award, the Society of NASA Flight Surgeon's Lovelace Award, the Hermann Oberth Award, the Presidential Medal of Freedom, and was nominated for the

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**Lifetime Achievement:** Steve Vander Ark, SMA President (right), presents the SMA Lifetime Achievement Award to Charles Berry, M.D.



**Scientific Achievement:** Dr. Jay Buckey (center) is presented the award by Steve Vander Ark, SMA President (right), as Dr. Jeff Sutton (left) looks on.

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Nobel Prize in Medicine in 1979. The International Academy of Aerospace Medicine has established the Charles A. Berry Award and the Space Medicine Library at the University of Texas Medical Branch is named in his honor.

In the end, however, Dr. Berry's greatest legacy is that he took care of every astronaut as an individual. Their health-care, mission performance, and ultimate safety were always before him and the focus of everything that he strived for. On every specific mission, he was concerned only for that crew and each individual crewmember. He was, as the TV newsmen would broadcast on the missions during the space race, the astronaut's personal physician.

### **The 2016 Space Medicine Association Jeff Sutton Scientific Achievement Award**

The 2016 Space Medicine Association Jeff Sutton Scientific Achievement Award was presented to Jay C. Buckey, Jr., M.D., who is a Professor of Medicine at the Geisel School of Medicine and Adjunct Professor at the Thayer School of Engineering at Dartmouth College. Over his 30-year career, he has made substantial scientific contributions to space life sciences and space medicine. He is an expert in space physiology, with close to 100 papers and a standard textbook entitled Space Physiology published by Oxford University Press. Several of his scholarly papers have been highly influential, including the publication by Buckey et al. in the Journal of Applied Physiology 1996;81(1):19-25 showing for the first time a drop in central venous pressure in astronauts during spaceflight.

Dr. Buckey co-edited the book The Neurolab Mission: Neuroscience Research in Space (NASA SP-535), detailing the scientific work from STS-90 when he flew as a payload specialist astronaut-physician. In addition, Dr. Buckey has been integral to 14 spaceflight hardware development projects, and has been the principal investigator on numerous federally-funded research grants supported by NASA, the National Space Biomedical Research Institute (NSBRI), National Institutes of Health and Department of Defense.

Dr. Buckey has served as the Team Leader of the NSBRI Technology Development Team and is currently Associate Team Leader of the NSBRI Cardiovascular Alterations Team. He was also a flight surgeon with the U.S. Air Force Reserve

for 8 years. His honors include the Joe Kerwin Award from AsMA and the Scientific Achievement Award from the Space Medicine Association.

### **The 2016 Space Medicine Association Journal Award**

The 2016 Space Medicine Association Journal Award was presented to Mathias Basner, M.D., Ph.D., M.Sc., as the lead author of "Development and Validation of the Cognition Test Battery for Spaceflight" published in Aerospace Medicine and Human Performance. Dr. Basner is an Associate Professor of Sleep and Chronobiology in Psychiatry at the Perelman School of Medicine, at the University of Pennsylvania. The journal citation is: Basner M, Savitt A, Moore TM, Port AM, McGuire S, Ecker AJ, Nasrini J, Mollicone DJ, Mott CM, McCann T, Dinges DF, Gur RC. Development and validation of the Cognition test battery for spaceflight. *Aerosp Med Hum Perform.* 2015; 86(11): 942 - 952.

### **The 2016 Space Medicine Association Jeffrey R. Davis Scholarship**

The Space Medicine Association Jeffrey R. Davis Scholarship was established to encourage students, who have demonstrated academic achievement and shown an interest in Space Biology and Space Medical Operations, to further pursue a career in Space Medicine. This year's scholarship is presented to Michael Lapelusa. Michael received a Bachelor of Science in Molecular and Cellular Biology and a Minor in Chemistry from the University of Illinois at Urbana-Champaign in May of 2015. Michael has worked at NASA Johnson Space Center for the past several years, first as an intern with the Lifetime Surveillance of Astronaut Health program, where he helped define the occurrence of cerebrovascular accidents in the NASA astronaut population and developed a software tool to modify radiologic images. This past year, Michael has worked in the Microbiology Laboratory at NASA Johnson Space Center. His work involved characterizing the dose response profile of modeled microgravity-cultured *Staphylococcus aureus* to the human antimicrobial peptide LL-37. This March, Michael will travel to Australia on a 6-week Endeavour fellowship to conduct research in the aviation medicine unit at Monash University in Melbourne. He plans to attend medical school this fall. In discussing Michael's qualifications, one of his mentors wrote the following, "Michael is exactly the type

**See SMA, p. N56**



**Journal Award:** Dr. Bill Tarver, SMA Past President (left) watches as Steve Vander Ark, SMA President (right), presents the award to Dr. Mathias Basner (center).



**Davis Scholarship:** Dr. Jeff Davis (left) looks on as Michael LaPelusa (center) is presented the scholarship by Steve Vander Ark, SMA President (right).

From SMA, p. N55

of young scholar who exemplifies the characteristics necessary to be highly successful in the pursuit of a medical degree with an emphasis in aerospace medicine.”

### The 2016 Space Medicine Association Wyle Scholarship

The Space Medicine Association Wyle Scholarship was established in honor of Robert Ellis to encourage students, who have demonstrated academic achievement and have shown an interest in Space Biology and Space Medical Operations (e.g., biomedical engineering, space flight physiology, human factors research, nursing, psychology, safety, life sciences, etc.) to further pursue a career in Space Medicine. This year's scholarship is presented to Rahul Suresh, M.D., M.S. Dr. Suresh received a Bachelor of Arts degree, Cum Laude with distinction in Biochemistry and Cell Biology from Rice University and his medical doctorate from Mayo Medical School. He has also completed a Master of Science degree in Clinical and Translational Research from Mayo Graduate School. Dr. Suresh is currently enrolled as a second-year resident with the UTMB/NASA Aerospace/Internal Medicine Residency Program. During his time in residency, Dr. Suresh has been very active in research, working on projects related to the Visual Impairment and Intracranial Pressure Syndrome as well as developing recommendations for commercial airline passengers with insulin-dependent diabetes. He is also an active member of the Space Medicine Association, serving as website developer for the commercial spaceflight section. As stated in one of his recommendations, “I have no doubt he will be a great asset to the future of our field.”

### The 2016 Space Medicine Association Young Investigators Award

The Space Medicine Association Jeff Myers Young Investigators Award is a competition intended for those making their first major efforts into Aerospace Medicine Research. The winner of the award is Lt.Col. Eric Chumbley, M.D. His paper is entitled “The Use of Home Cervical Traction to Reduce Neck Pain in Fighter Pilots.” As an Air Force Flight Surgeon, Eric noted the problem of chronic neck pain occur-



**Wyle Scholarship:** Michelle Frieling, Wyle representative (left), presented the award to Rahul Suresh, M.D. (center), while Steve Vander Ark, SMA President (right), watches.

ring with high frequency in fighter pilots and explored this further as a research project looking for an operational solution while pursuing his Post-graduate degree at the Wright State University Aerospace Medicine program. Now an Air Force Aerospace Medicine resident, he looks forward to further application of this technique. We have noted that low back pain among astronauts has been a concern for some time, but as we expand the envelope of space exploration into the civilian sector with multiple spacecraft designs and varying G load profiles, we can expect to see an increase in neck pain as well and Dr. Chumbley's application will prove useful to these new space explorers.

### The 2016 Space Medicine Association President's Achievement Award

The recipient of the President's Award is Genie Bopp for her years of dedicated service to the organization in promoting educational goals, ensuring that our focus remained on encouraging students to pursue careers in space medicine, and recruiting new members. The extremely strong financial position of the organization is due to her efforts over several years of eliciting donations and establishing our funds within the Aerospace Medicine Foundation.



**Jeff Myers YIA Award:** Eric Chumbley, M.D. (left) is presented the award by Jeff Myers, M.D. (center), as Steve Vander Ark, SMA President (right), looks on.



**President's Award:** Genie Bopp (left) was presented the award by SMA President Steve Vander Ark.

## Society of USAF Flight Surgeons Presents Schafer Award to Ortega

The 2016 Society of USAF Flight Surgeons' George E. Schafer Award was presented to Colonel Hernando J. Ortega, Jr., M.D., M.P.H. The award was approved by the Society's Board of Governors in 1978 to recognize outstanding contributions of Air Force flight surgeons to the health, welfare, safety, and mission effectiveness of USAF aircrew as well as to the vitality of the specialty of Aerospace Medicine over an extended period of time. Emphasis is on total contributions over an extended period of time rather than on singular or short-term accomplishments. Col. Ortega, whose call sign is "Bugs", has had a widely varied career, including support to high performance fighters, special operations, aeromedical evacuation, combat rescue, NASA astronauts, mobility, and training operations. Bugs has served in the field as well as command positions and held office in multiple professional organizations, including currently sitting as a director on the American Board of Preventive Medicine.

Col. Ortega took the Aerospace Medicine Primary Course in 1987 and was promptly sent to Kunsan AB, Korea, to support the 35th Tactical Fighter Squadron, as their Squadron Medical Element (SME) flight surgeon. Beyond all the human factors of upgrading from F-16 A/B to C/D models, he led his unit through Cope Thunder in the Philippines with all its public health/preventive medicine issues. He then broadened his experiences and contributions supporting the MC-130Es at Rhein Main AB, Germany. The Special Ops community hung on many of his operational medicine recommendations, both to support our troops as well as in Global Health Engagements as the unit drove missions all over the African continent. This same period included Operations Desert Shield and Storm, where Bugs was critical in bedding down many SAR and Aerovac nodes.

After USAFE, Bugs took on the UH-1s at Patrick AFB, FL, and moved to his first Medical Group position as a young Chief of Aerospace Medicine. His outstanding work at this assignment, earned him selection as the Air Combat Command (ACC) Flight Surgeon of the Year. By the end of 1994,

ACC was not the only leadership group in aerospace medicine that had noticed his expertise and Col. Ortega was a by-name request to take a position at NASA's Johnson Space Center, Houston, TX. At NASA, he became a fully qualified mission surgeon for the Space Shuttle (STS-78) including supporting NASA's Mir missions at the Gagarin Cosmonaut Training Center in Star City, Russia. NASA also brought Bugs into the research realm. He was the lead for the Bone Muscle Integrated Product Team, investigating key astronaut countermeasures, as well as monitoring other research from a seat on the NASA IRB.

During his RAM residency, Col. Ortega continued to press aerospace medicine. As one of the first Air Force and Aerospace Medicine representatives to the Residents and Fellows Section of the American Medical Association, he brought the USAF's well-studied concepts on fatigue and operations to the nation's medical residential 80 hour work week discussion. Now the lead delegate for AsMA, he still brings the Air Forces' and Aerospace Medicine perspective and needs to the AMA House of Delegates.

Heading back to Europe and operational medicine, he took the flight surgeon lead on high altitude air drops for Operation Enduring Freedom. Beyond the expanded operational impact of this capability, Bugs pulled together the aerospace medicine and physiology team members on this project to quickly present it at the Annual AsMA Scientific meeting, documenting and growing our specialty.

Commands at Yokota and Kunsan were full of many traditional leadership issues bringing the Line together with the MDG. But more important, was the mentorship of many subordinates critical to his units' successful transitioning of the Army CSH to the Air Forces' Balad Theater Hospital, as well as meeting a changing CBRNE posture in Korea.

With the standup of the AF Intelligence, Surveillance, and Reconnaissance Agency and the changing face of operations, Bugs has molded and repositioned personnel and other assets to meet these new challenges in aerospace and operational medicine. Invited to the Brookings Institute, the study he presented on the mental health status of UAV operators was the stepping stone for over 70 authorizations and the stand up of many operational medicine elements necessary to support this changing role of the USAF Flight Surgeon. It has also been entry into what may be his biggest Air Force legacy while as the HQ AETC/SGP, building the understanding and basis for understanding/tailoring of airman medical standards. This includes new selection criteria in the cognitive, personality, and aptitude realms. Presented in both U.S. and NATO conferences, as well as to both medical and Line leadership, the efficient and effective selection of airmen entering both our service, as well as specific career fields holds some of the greatest resource savings and projection to mission success for a continually downsizing and highly technical USAF.

Col. Ortega's legacy includes high altitude combat air drop support, an updated Top Knife II course for 5th generation fighter operations and improved support to remote warfare operations, dubbed "tele-warfare", via the Operational Medical Element. He is board certified in Aerospace and Occupational Medicine. Col. Ortega recently retired from the USAF after 30 years of service to the nation and to the profession of aerospace medicine.

See SoUSAFFS, p. N59



**Schafer Award:** Brigadier General Sean Murphy, the Chief of the Air Force Medical Corps and the Air Combat Command Surgeon (left) presents the award to Bugs.

From SoUSAFFS, p. N58

Other award winners were as follows:

**Malcolm Grow:** Capt. Paul DeJulio

**Operational Flight Safety:** Capt. Mitchell Radigan

**Team Aerospace:** Hurlburt Field, FL

**Howard Unger:** Lt.Col. John Miles

**Olson-Wegner:** SrA. Jacori Owens, TSgt. Marc Villano,

MSgt. Mathew Wartens

**Julian E. Ward:** Lt.Col. Stephanie Davis

### Hosegood Receives AMDA Kidera Award

Ian Hosegood, MBBS, FRACGP, FRACMA, FACAsM, DAvMed, PGDipOEM, received the George Kidera Award from the Air Line Medical Directors Association, during their meeting in April in Atlantic City, NJ. Dr. Hosegood is the Director of Medical Services with Qantas Airways Limited based in Sydney, Australia. Ian is an experienced Aviation Medicine Specialist and also has specialist qualifications in Family Medicine, Occupational Medicine and Medical Management. Ian's entry to Aviation medicine was through the Royal Australian Air Force (RAAF) where he held various senior roles including time at the Institute of Aviation Medicine and an exchange posting to the UK where he completed his Diploma in Aviation Medicine at Farnborough. Subsequent roles have included Vice President of Clinical Services in Emirates Airlines, Principal Medical Officer at the Australian Civil Aviation Safety Authority and General Manager Health Services with the Royal Flying Doctor Service. Ian is currently on the IATA Medical Advisory Group (MAG) and has previously been on the ICAO Medical Provisions Study Group (MPSG). He is a Board member on the Australasian Society of Aerospace Medicine (ASAM) and the Australasian Medical Review Officer Association (AMROA). He is also an AMROA faculty member and holds an academic position with the Bond University Aeromedical Program. Ian has a particular interest in the occupational medicine challenges of the aviation industry including fitness for duty, fatigue risk management (FRMS), aircraft air quality issues, and aircrew occupational exposure to cosmic radiation. As the Qantas Medical Director, Ian is



**Kidera Award:** Ian Hosegood, M.B.B.S., receives the Kidera Award from Claude Thibeault, M.D.

also responsible for the alcohol and other drug management program for the group as well as the Health and Wellness portfolio. He has a particular interest in how health and wellness programs can integrate with and contribute to safety outcomes.

### Aerospace Human Factors Association Awards

#### Henry L. "Hank" Taylor Award

The Henry L. "Hank" Taylor Award was presented to Professor Dava J. Newman, who is Deputy Administrator of



NASA. She is a Member of the Harvard-MIT Health Sciences & Technology Faculty and Apollo Professor of Astronautics and Engineering Systems, Department of Aeronautics and Astronautics, at the Massachusetts Institute of Technology. Since 1993, she has served on 67 institute committees and departments, as well as 35 other professional and review committees.

Prof. Newman has received over 30 awards, including the NASA Group Achievement Award for NIAC 2004 and the SAE Distinguished Paper for 2005. She has designed an amazing assortment of new products, processes, designs or systems, including: wearable computing hardware/software communication system for the extravehicular mobility unit (EMU) spacesuit; spaceflight hardware: 6 degree-of-freedom force and torque load sensors and wireless data acquisition system to measure astronaut microgravity performance; human-rated underwater treadmill with embedded split-plate force platform for biomechanical force measurement during simulated partial gravity locomotion; underwater micro-pulmonary oxygen/carbon dioxide analysis system for energetic expenditure measurements; BioSuit™ conceptual design and prototypes for augmented human locomotion and mechanical counter-pressure garments; second skin soft orthotic for sensing and actuation for children with brain impairment (e.g., cerebral palsy); and Gravity Loading Exercise Countermeasure Skinsuit for space and Earth applications of longitudinal compression loading.

#### Stanley N. Roscoe Award

The Stanley N. Roscoe Award for the best doctoral dissertation for research related to aerospace human factors was presented to Aaron William Johnson for his dissertation: "Analyzing the Effects of Dynamic Task Allocation on Human-Automation System Performance." His advisor was Dr. Charles Oman, Department of Aeronautics and Astronautics, MIT, Cambridge, MA. The award is sponsored by the Institute of Aviation, University of Illinois.

#### William E. Collins Award

The William E. Collins Award for the outstanding human factors publication of the year was presented to Keith Ruskin for the article: Ruskin KJ, Caldwell JA, Caldwell JL, Boudreau EA. Screening for sleep apnea in morbidly obese pilots. *Aerosp Med Hum Perform.* 2015; 86: 35-41.

**MEMBERS:** Are you seeking a new position? As a benefit of your membership, you can log onto the Members Only page to view the **Job Fair**. New positions are available now!

## U.S. Navy Aerospace Experimental Psychology Society Awards 2016

### **CAPT Paul R. Chatelier Award for Lifetime Achievement**

The CAPT Paul R. Chatelier Award for Lifetime Achievement honors individuals who have significantly and uniquely shaped the field of Aerospace Experimental Psychology through scientific, analytic, managerial, and leadership excellence over the course of their career. Award recipients have demonstrated a broadness of vision combined with force of character to achieve long ranging goals that have often run counter to common wisdom. The results of their dedication, persistence, and foresight have led to paradigm shifting accomplishments that enable the Naval Aviation community to rapidly and effectively overcome current and emerging challenges and threats.

The award for 2016 was presented to CDR (ret) Thomas M. Mitchell, MSC, USN, in recognition of his significant foresight and commitment to the application of human factors research to the development of applied technology solutions that greatly enhanced the performance and survivability of generations of naval aviators. Further, his selfless mentorship of, and advocacy for, junior Aerospace Experimental Psychologists and Navy human factors professionals helped to profoundly shape the role of human factors in the Navy and Marine Corps for the 21st century and beyond.

Tom Mitchell received his Ph.D. in Physiological Psychology from the University of Georgia in 1979. He was commissioned as a U.S. Navy, Surface Line Officer from 1969-1976 and designated an Aerospace Experimental Psychologist in 1976. He retired in 1998 after a career of providing extensive human factors program management and technical support for numerous Navy weapon systems programs and projects. His applied technical expertise included the application of human factors principles and analyses to the research, development and systems engineering of various naval aviation systems, and his management experience included direct personnel supervision, technical and managerial contract monitoring, planning and budgeting, and liaison tasks throughout the Department of Defense, NASA and the Federal Aviation Administration. He served as faculty member at the Naval Postgraduate School in Monterey, instructing graduate level students in Operations Research and Human Factors. Prior to becoming an AEP he had significant operational experience during his six years as a Surface Warfare Officer (SWO) and as an AEP he logged over 1500 hours as special crewmember, participating in operational and training flights, in various military fixed and rotary wing aircraft.

### **CDR Robert S. Kennedy Award for Excellence in Aviation Research**

The CDR Robert S. Kennedy Award for Excellence in Aviation Research is awarded in recognition of an individual who has made significant and outstanding contributions to the field of aerospace psychology through original research over the past year. Award recipients have consistently demonstrated their ability to apply their scientific acumen to solving research challenges of critical importance to the Naval Aviation community. The results of their research have directly contributed to demonstrably more effective Selection, Training, Safety and Human Performance technologies in the service of Naval Aviation.

The 2016 Kennedy Award was presented to LT Brennan D. Cox, Ph.D., MSC, USN, in recognition of his innovative research in the areas of aviation selection and aircrew survivability. His research on the reliability and validity of the newest version of the Aviation Selection Test Battery (ASTB-E) was instrumental in the successful fielding of the test to more than 290 testing sites worldwide. The ASTB-E is estimated to yield \$42 million in cost savings annually due to reduced training attrition. Additionally, his insightful research investigating the neurological, psychological, and physiological correlates of human performance will provide the foundation for the next evolution of manned and unmanned aviation selection testing.

Brennan D. Cox received his Ph.D. in Industrial and Organizational Psychology from Auburn University in 2010. He received his commission in the U.S. Navy later that year, and was winged as Aerospace Experimental Psychologist #140 in 2011. LT Cox was first assigned to the Naval Aerospace Medical Institute (NAMI) in Pensacola, FL, where he served as the Fleet Support and Biostatistics Division Officer. While at NAMI, LT Cox oversaw development and administration of the Aviation Selection Test Battery, the primary tool for selecting candidates into naval aviation training. He is currently assigned to the Naval Health Research Center in San Diego, CA, where he investigates and advises on factors affecting warfighter performance. LT Cox's areas of expertise include personnel selection, research design, testing, and performance measurement. In 2016, he was honored to be selected by his peers to serve as President of the United States Naval Aerospace Experimental Psychology Society.

### **CAPT Michael G. Lilienthal Award for Leadership**

The CAPT Michael G. Lilienthal Award for Leadership is awarded in recognition of an individual who has significantly advanced the field of Aerospace Experimental Psychology through excellence in leadership over the past year. Award recipients have consistently demonstrated their ability to: motivate and inspire others; apply foresight and resourcefulness in anticipating and overcoming significant challenges; maintain strength of character in the face of adversity.

*See USNAEPS, p. N61*



**Lilienthal Award:** The leadership award is presented to CDR Deborah White (left) by B. Cox.

**From USNAEPS, p. N60**

It was awarded to CDR Deborah J. White, Ph.D., MSC, USN, in recognition of her significant advancement of the field of Aerospace Experimental Psychology through excellence in leadership. Her tireless efforts resulted in the preservation of aeromedical officers' entitlement to Conditional Aviation Career Incentive Pay (ACIP), critical to enabling the AEP community to maintain strong ties to its aviation roots and the operational naval aviation community. Her exemplary leadership was manifested through her ability to motivate and inspire others, apply foresight and resourcefulness in anticipating and overcoming significant challenges, and maintain strength of character in the face of adversity.

CDR White received her Ph.D. in Physiology from Colorado State University, Ft. Collins in 1994, and is certified by AsMA as a Board-Certified Aerospace Physiologist. Upon completion of her Ph.D., she worked for three years as an Aircrew Clothing Design and Testing Engineer for ML LIFEGUARD, a UK Company that designed and developed Life Support Equipment for the Eurofighter Aircraft. She

was commissioned into the U.S. Navy as a Research Physiologist from 1997 – 2000, conducting research in Submarine Escape Physiology at the Naval Submarine Medical Research Lab. Upon completion of her M.B.A. in Human Resource Management and Team Building, she was re-designated as an Aerospace Experimental Psychologist in 2001. Over the past 19 years she has provided substantial leadership in human factors analysis of numerous mishap investigations and engineering designs. She was a primary force behind the development of a DoD Human Factors Analysis and Classification System (HFACS) that allowed for cross-Service mishap analysis. She has enhanced warfighter performance through her unique tours at Naval Air Warfare Center Aircraft Division, Naval Safety Center, Fleet Forces Command, Naval Health Research Center, and Commander, Naval Air Forces. She is currently on special assignment to the Naval Undersea Warfare Center Division Keyport, developing collaborate human performance research opportunities between the various Aviation and Submarine research communities.

**Richard "Dick" Trumbo 5K Preventive Medicine Run/Walk**

The Trumbo 5K Run was held the morning of Monday, April 25, on the Atlantic City Boardwalk. The winners were: 1st place, Nicole Solana (women; top left) and Richard Kipp (men; top right); 2nd place, Cathy Hughes (women; left bottom) and James Wallace (men; not pictured); and 3rd place, Maggie Coppini (women; center bottom) and Alex Wolbrink (men; right bottom). Each runner received their prize from AsMA President Kris Belland (on the left in each photo).





## Speed Mentoring and the RAM Bowl



A speed mentoring and networking session was held Wednesday morning so that younger members could talk to older members about their careers. Further sessions are planned for future meetings.



The RAM Bowl was held Wednesday, April 27, 2016, in the afternoon in Atlantic City, NJ, at Harrah's Resort Hotel. The winning team from the U.S. Air Force School of Aerospace Medicine is pictured here.

## AMHP Wins Bronze Excel Award

Association Media and Publishing (formerly the Society of National Association Publishers; AM&P) presented the award for Best Journal Redesign by a Non-Profit Organization to the Aerospace Medical Association for our journal redesign. AM&P is the premier membership organization serving the needs of association publishers, business operation executives, communications professionals, designers, and content generators and the media they create. We have been members ever since Pamela Day came to work for AsMA in 1980. Her former boss, Fred Stoffel, introduced her to the organization. They both attended their meetings and seminars and since then she and many assistants have participated in meetings, course, seminars, and "lunch and learn" programs. This is the one organization that keeps us



Deb Naylor, the designer (left), and Pam Day, Managing Editor of the journal (right), pose with the award.

in touch with what is happening in Association Publishing, from the publisher's perspective rather than the science editor perspective.

The EXCEL Awards is America's largest and most prestigious awards program that exclusively recognized innovation and leadership in association media, publishing, marketing, and communications. AsMA was presented an AM&P Excel Bronze Award during the 36th EXCEL Awards Gala on June 27, 2016, at the Ronald Reagan Building in Washington, DC. Over 870 entries were entered in the competition in seven broad categories—from digital publishing to magazines, and books to promotional campaigns. Judges selected 227 entries to receive EXCEL Awards.

## New Members

Alzahrani, Sultan, Dhahran, Saudi Arabia  
Dillon, Alexander, Katoomba, NSW, Australia  
Grace, Margaret, Dubai, United Arab Emirates  
Grant, Meghan, Delta, BC, Canada  
Hackman, Charles, Armadale, Victoria, Australia  
Hamm, Matthew, Las Vegas, Nevada, United States  
Hatcher, Daniel, Beavercreek, OH, United States  
Henley, David, M.D., Palmyra, TN, United States  
Ho, Jason, Houston, TX, United States  
Holmes, Robert, Fairborn, OH, United States  
Johnson, Erik, Enterprise, AL, United States  
Kasteler, Stephen, Langley AFB, VA, United States  
Maxwell, Robert, Shalimar, FL, United States  
Nishikawa, Hirofumi, Nankoku-Shi, Japan  
Ostrom, Laura, Portland, OR, United States  
Roxo, Keith, Chesapeake, VA, United States  
Scagliusi, Alessandro, Roma, Italy  
Sha, Shiv, Cheltenham, GLS, United Kingdom  
Zenk, Reilly, Chesapeake, VA, United States

## NEWS OF CORPORATE MEMBERS

### Air Canada's Foundation Raises Money to Help Canadian Children's Charities

The Air Canada Foundation's fifth annual golf tournament netted a substantial amount in support of organizations focused on the health and well-being of children in Canada. The tournament was held in early July at the Saint Raphaël Golf Club, Québec, and featured more than 300 golfers from across North America. It included a full day of golf followed by a cocktail-style dinner, silent and live auctions of items donated by tournament partners and Air Canada Foundation supporters. AIMIA returned as Presenting Partner of this year's event, which was supported by more than 100 Canadian, American, and international corporations and organizations. To mark the fifth annual golf tournament as well our longstanding partnership of over two decades with the Children's Miracle Network and its 14 Canadian pediatric hospitals, the Air Canada Foundation made a significant donation which will enable each hospital to address its own most urgent needs. A video was also featured during the event showcasing the Air Canada Foundation's signature program, the Hospital Transportation Program. The Program provides Aeroplan Miles to pediatric hospital across Canada, giving children and their parents access to advanced medical treatments not available in their community.

—Please visit <http://aircanada.mediaroom.com/index.php?s=43&item=1042> to read more on this.

### ALPA Celebrates Over 30 Years of Promoting Piloting

The Air Line Pilots Association, Int'l (ALPA), reached a record 8,900 school students during the 2015–2016 academic year as the union celebrated more than 30 years of reaching new audiences to encourage men and women to consider becoming airline pilots. ALPA's volunteer outreach team includes more than 1,300 mainline and regional pilots who fly both passengers and cargo in the United States and Canada. Pilot volunteers visit grade schools to encourage pre-K through high school students to learn more about aviation and pilots' work and lead interactive discussions about flying and life as an airline pilot as well as age-appropriate activities and lesson plans. In addition to classroom visits, volunteers also participate in events for school-aged children such as Girls in Aviation Day and the Aviation Education & Career Expo. At universities across the United States, ALPA is supporting professional development and mentoring programs for post-secondary aviation students. In 2010, the union signed its first agreement to launch a university-level professional development and mentoring program—called an ACE Club—with Embry-Riddle Aeronautical University. In the 6 years since then, ALPA has established alliances with a total of nine universities to create professional development and mentoring programs that offer aviation students the opportunity to network, ask questions of airline pilots, and take behind-the-scenes tours of airliners and airports.

—Please see <https://www.alpa.org/news-and-events/newsroom/2016-07-13-record-in-inspiring-future-pilots> for more on this.

### Baxter Recognized By Points of Light

Baxter International Inc. was recognized for the third consecutive year as one of the most community-minded companies in the nation, as a part of the Civic 50. Civic 50 is an initiative of Points of Light - the world's largest organization dedicated to volunteer service, mobilizes millions of people to take action and change the world. Points of Light sets the standard for corporate civic engagement and creates a roadmap for companies seeking to best use their time, talent, and resources to improve the quality of life in the communities where they do business. As a global healthcare company doing business in more than 100 countries, Baxter is committed to making a meaningful difference in the communities in which it operates. The Civic 50 award recognizes the company's long-standing commitment to corporate responsibility, specifically the company's initiatives that increase access to healthcare, foster tomorrow's innovations and serve its communities.

—Please visit <http://www.baxter.com/news-media/newsroom/press-releases/2016/06-28-16-civic-50.page> for more on this.

### NIOSH Launches App to Identify Chemical Hazards

The National Institute for Occupational Safety and Health (NIOSH) announced the availability of a new mobile app version of its longstanding *Pocket Guide to Chemical Hazards*. The app was developed as part of the Worker Health History Small National Occupational Research Agenda (NORA) Project Award and can be used on any device with a web browser. The NIOSH *Pocket Guide to Chemical Hazards* has informed workers, employers, and occupational health professionals about workplace chemicals and their hazards for over 40 years. The Pocket Guide gives general industrial hygiene information for hundreds of chemicals/classes and helps users recognize and control workplace chemical hazards. The new app will provide this information at the user's fingertips and allow quick searches by chemical name, trade name or synonym, DOT number, and CAS number. A user can also store chemical records as "favorites" for later use and control which data about a given chemical are displayed for clarity in the field. No data is sent between the user device and NIOSH other than the initial download and updates so no privacy concerns are present.

—Please see <http://www.cdc.gov/niosh/updates/upd-07-14-16.html> for more on this.

### ETC Contracted to Deliver ADMS to U.S. Army

Environmental Tectonics Corporation's (ETC's) Simulation business unit, located in Orlando, FL, has been contracted to deliver an Advanced Disaster Management Simulator (ADMS) training system to U.S. Army installation Fort McCoy, located in Wisconsin. The system is a virtual reality simulation training platform designed to prepare incident commanders, command teams, and emergency operations staff worldwide for any natural or manmade disasters. It will be located at the Fort McCoy Fire Department, where it will

**See Corporates, p. N64**

### From Corporates, p. N63

be used to train approximately 600 military firefighters and 200 civilian firefighters annually. Trainees will include firefighters from the Department of Defense, U.S. Army, Army National Guard, Air National Guard, and surrounding civilian fire departments. The primary objective will be Incident Command and joint training exercises for firefighting, HAZMAT and CBRNE incidents, mass casualty events, acts of terrorism, and natural disaster preparedness.

—Please visit <https://www.etcusa.com/etc-simulation-contracted-to-deliver-adms-training-system-to-united-states-army-installation-fort-mccoyle/> to read more.

### Mayo Clinic Finds Liquid Biopsies Offer Better Tracking of Ovarian Cancer

Researchers at the Mayo Clinic Center for Individualized Medicine have found a promising new way to monitor and treat recurrence of ovarian cancer, a hard-to-detect disease that claims many lives. New research from George Vasmatazis, Ph.D., of the Department of Laboratory Medicine and Pathology at Mayo Clinic, finds liquid biopsies from blood tests and DNA sequencing can detect a return of ovarian cancer long before a tumor reappears. That could lead to earlier intervention and more effective, individualized treatment. Dr. Vasmatazis' research on the "Quantification of Somatic Chromosomal Rearrangements in Circulating Cell-free DNA From Ovarian Cancers" was published in the July 20 edition of *Scientific Reports*. The study was done on 10 patients in advanced stages of ovarian cancer. Blood was drawn before and after surgery. Investigators compared DNA from the liquid blood biopsies to DNA tissue samples from the tumor, using mate-pair sequencing—an inexpensive whole exome sequencing that can reveal genetic changes that contribute to tumor growth. When post-surgery DNA matched that of the tumor, patients were later found to have had a recurrence of ovarian cancer. However, when the post-surgery DNA did not match the DNA of the tumor, patients were found to be in remission.

—Please see <http://newsnetwork.mayoclinic.org/discussion/liquid-biopsies-offer-hope-for-earlier-treatment-better-tracking-of-ovarian-cancer/> for more on this.

### United & TSA to Modernize Airport Screening

United Airlines and the Transportation Security Administration (TSA) announced plans to further modernize the airport security experience at several of the airline's largest hubs, marking the latest phase of an ongoing, collaborative strategy between United and the TSA to increase efficiency at security checkpoints and provide greater convenience for customers when applying for expedited screening. As part of a joint initiative to improve the overall screening experience for customers, United, in collaboration with the TSA, will install state-of-the-art, automated security lanes, add permanent TSA Precheck® enrollment centers at convenient locations, and redesign security checkpoints at several of the airline's most-frequented hub airports.

—Please visit <http://newsroom.united.com/2016-07-20-United-Airlines-TSA-to-Modernize-Airport-Screening-Experience-for-Customers-at-Hub-Cities> to read more.

### Wyle Acquired by KBR

KBR, Inc., announced it has completed the acquisition of Wyle, Inc. Wyle will now operate under the new company brand "KBRwyle," which preserves the Wyle name and logo, acknowledges the value of KBR's new ownership, and honors the legacies of both companies. The combined brand "KBRwyle" maintains continuity for Wyle's existing clients and highlights to KBR's clients and the market that together with Wyle's technical capabilities, KBR's Government Services capabilities and service offerings now span the full spectrum of government mission requirements, including research and development, testing, engineering, logistics, deployed operations, and life-cycle sustainment. KBRwyle will become a KBR business unit within KBR's Government Services business segment and will maintain much of its current structure to ensure business continuity.

—Please see <http://ww2.wyle.com/content/NewsDescription.aspx?NewsItem82> for more.

### Corporate News Bites

**AFBA:** The Armed Forces Benefit Association (AFBA) announced that they have partnered with the National Guard Association of South Carolina (NGASC) in support of its State Sponsored Life Insurance program. Both AFBA and NGASC share a common legacy and mission of promoting the welfare of their members. *To read more about this, please visit <http://www.businesswire.com/news/home/20160706005990/en/AFBA-5Star-Announces-Affiliation-National-Guard-Association>.*

**Gentex:** Gentex Corporation demonstrated their industry leading lines of Gentex, ALPHA, and Aegisound products for air applications at the Farnborough International Airshow. Featured were their latest innovations, the Gentex Advanced Life Support Integrated Tester (LSIT), the improved ALPHA 900 Search and Rescue (SAR) Cross-Platform Helmet System, and their extended line of hearing protection and communication products. *Please visit <http://www.gentexcorp.com/news-events/news/gentex-features-advanced-life-support-integrated-tester-for-jsf-oxygen-mask-and-extended-line-of-hearing-protection-and-comm-products-at-farnborough-international-airshow> for more on this.*

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### New AirRx App Available

A new app, created by a group from the University of Illinois College of Medicine at Peoria, is meant to assist physicians who volunteer to help during a medical event on board. It is aimed at physicians who do not routinely treat medical emergencies. It has information on equipment and medications, how cabin crew can help, the role of flight crew, how ground medical support's role. The app is available for Apple and Android.

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## Save the Date!

The FAA's Civil Aerospace Medical Institute (CAMI) is again organizing a colloquium on postmortem forensic toxicology in aviation. The colloquium will be held April 4-6, 2017, at the Mike Monroney Aeronautical Center in Oklahoma City, OK.

There is no registration fee for the colloquium. However, attendees are responsible for all other expenses associated with the colloquium. Individuals interested in attending must submit a completed [registration form](#) (PDF) to Kristi Craft by September 30, 2016. You may submit your registration form to Ms. Craft via email ([kristi.craft@faa.gov](mailto:kristi.craft@faa.gov)) or by mailing your form to Bioaeronautical Sciences Research Laboratory (AAM-611), FAA Civil Aerospace Medical Institute, P. O. Box 25082, Oklahoma City, OK 73125, USA.

For more information, please visit the FAA's announcement at: [https://www.faa.gov/data\\_research/research/med\\_humanfacs/aeromedical/forensictoxicology/postmortem/](https://www.faa.gov/data_research/research/med_humanfacs/aeromedical/forensictoxicology/postmortem/).

## MEETINGS CALENDAR

**August 20-24, 2016;** American College of Preventive Medicine (ACPM) 29th Annual Board Review Course; Hyatt Regency, Baltimore, MD. This is an opportunity to prepare for the American Board of Preventive Medicine (ABPM) certification and re-certification examination. For more information, please visit [http://www.acpm.org/page/RC\\_Home](http://www.acpm.org/page/RC_Home).

**September 12-13, 2016;** 2nd International Conference on Influenza; Courtyard Berlin City Center, Berlin, Germany. For more information, please visit <http://influenza.conferenceseries.com/>.

**September 15-18, 2016;** 5th European Congress of Aerospace Medicine; Oslo, Norway. Jointly sponsored by the European Society of Aerospace Medicine, Norwegian Association of Aerospace Medicine, and AsMA. For more, please see <https://www.asma.org/annual-meetings/oslo-norway-5th-european-congress-of-aerospace-med>.

**September 22-24, 2016;** 5th International Conference on Predictive Preventive and Personalized Medicine & Molecular Diagnostics 2016; Phoenix, AZ. See <http://personalizedmedicine.conferenceseries.com> for more.

**September 26-30, 2016;** the International Astronautical Federation's (IAF's) 67th International Astronautical Congress (IAC); Guadalajara, Mexico. Co-organized by the International Institute of Space Law and the International Academy of Astronautics. The meeting will be hosted by the Mexican Space Agency. The theme will be 'Making Space Accessible and Affordable to All Countries.' For more, please visit <http://iac2016.org/>.

**September 27-28, 2016;** the Aviation Health Conference 2016; London, UK. For more information, please see the program at <http://www.quaynote.com/conference/2328/>.

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