



Ever Upward: August 2018

DeJohn Is AsMA President-Elect; Ortega Installed as President

Charles “Chuck” DeJohn, D.O., M.P.H., has been elected as President-Elect of the Aerospace Medical Association (AsMA). The election was held at the Annual Business



Meeting during the 90th Annual Scientific Meeting of the Association, May 7, 2019, at the Rio All Suite Hotel, Las Vegas, NV.

Dr. DeJohn serves as a Research Physician working for the Federal Aviation Administration (FAA) at the Civil Aerospace Medical Institute (CAMI) in Oklahoma City, OK. He is the Team Coordinator of the CAMI Aerospace Medical Research Team and is frequently

called on as a medical/human factors consultant by the National Transportation Safety Board (NTSB), Department of Justice, the aviation industry, and academia. for cases that need medical and human factors evaluation or interpretation. His responsibilities also include planning, directing and conducting research into medical issues of aircraft accidents, in-flight medical incapacitations of aircrew, in-flight cabin medical emergencies of passengers, and injuries and mechanisms of injuries to aircraft accident victims. Dr. DeJohn developed a unique data registry to track in-flight medical incapacitations of pilots, used to answer many critical questions about in-flight medical events.

Dr. DeJohn has served the Aerospace Medical Association as a Vice President, a past Chair of the Aerospace Safety and Resolutions Committees, and as a member of the Air Transport Medicine and Scientific Program Committees. He received the 2017 Marie Marvingt Award from AsMA.

Dr. DeJohn graduated from the University of Oklahoma with a B.S. in Engineering in 1968. He then earned an M.S. in Aero-Systems Engineering from the University of West Florida in 1972 and an M.P.H. from the University of Alabama in 1990. He earned his D.O. degree from Oklahoma State University College of Osteopathic Medicine and Surgery in 1983. He served a medical internship at Metropolitan General Hospital in Pinellas Park, FL, from 1983–1984 and completed the Aerospace Medicine Primary Course at the U.S. Air Force School of Aerospace Medicine, Brooks AFB, TX, in 1999. He was an Emergency Room Physician at Metropolitan General Hospital in 1984 and became a Medical Quality Assurance Coordinator at the Naval Aerospace Medical Research Laboratory (NAMRL) in Pensacola, FL, from 1987–1992. From 1988 to 1990, he served as Clinical Medical Officer at the Navy Regional Medical Center in Pensacola and from 1984 until 1992, he was also Medical Officer at NAMRL. He became a Research Physician for the FAA CAMI Clinic in 2000, a position he currently still holds.

Dr. DeJohn is a member of the American College of Preventive Medicine, the International Academy of Aviation and Space Medicine, the International Airline Medical Association (formerly the AMDA, Airline Medical Directors Association), the Aerospace Human Factors Association, and the American Society of Aerospace Medicine Specialists. He is a Fellow of the Aerospace Medical Association. His awards and honors include three performance awards from NAMRL, Outstanding Scientific and Technical Innovator Award from the FAA Office of Aviation Medicine, multiple Group and Special Act Awards from the FAA, and two Outstanding Support Awards from the Transportation Safety Institute at the Department of Transportation. He has been a presenter, author, or co-author of over 100 presentations and publications.

Hernando J. “Joe” Ortega, Jr., M.D., M.P.H., was installed as President during the AsMA Council meeting, Thursday, May 9, 2019. Dr. Ortega is the Founder and Managing Member of Flight Docs Unlimited, LLC, in San Antonio, as well as Consulting Director of Operational Flight Medicine for Neurostat Analytic Solutions. He is a member and Past President of the Society of USAF Flight Surgeons and the American Society of Aerospace Medicine Specialists. He is also a member of the International Academy of Aviation and Space Medicine, the Association of Military Surgeons of the United States, the American College of Occupational and Environmental Medicine, and the House of Delegates of the American Medical Association. [For a more complete biography of Dr. Ortega, please see *Aerosp Med Hum Perform.* 2018; 89(8):767.]

Other elected officials are: **Vice Presidents:** Joseph P. Dervay, M.D. (2 yr); Barry Shender, Ph.D. (2 yr); Volker Damann, M.D. (1 yr to complete DeJohn’s term); **Secretary:** Kathryn Hughes, M.D., M.P.H., D.Av.Med.; **Members-at-Large:** Denise Baisden, M.D., John Charles, Ph.D., B.S., Ilaria Cinelli, Ph.D., and Susan Fondy, M.D., M.P.H.

Changing of the Guard



Roland Vermeiren, M.D., FAsMA, outgoing President, embraces Joe Ortega, M.D., M.P.H., the incoming President, at the joint Council meeting that took place Thursday morning, May 9, 2019.

Send information for publication in this newsletter to: Journal Department, AsMA; rtrigg@asma.org

President's Pin and Gift



Emily pins her husband, Roland, with the Past President's Pin.



Joe Ortega, incoming President, presents Roland Vermeiren, outgoing President, with the Past President's Gift, a captain's clock.



The incoming and outgoing Presidents drink Genever together in the traditional manner to toast the end of a successful meeting.

Want to see more photos?
Visit the [Photo Gallery](#) page on the website.

President's Citation



The President's Citation was awarded to the Global Liaison and Outreach Committee (GLOC) for their efforts throughout the year. Dr. Felix Porras, the committee's Chair, accepted the award on behalf of the committee.

50-Year Pins



Roland Vermeiren presents Mike Berry with his 50-year pin. Other recipients, who could not be at the meeting, are: Geoffrey Bayliss, Jay Howard, James Ralph, Patricia Ravella, and Robert Shaffstall.

2020 Meeting Call for Papers

The Aerospace Medical Association's 91st Annual Scientific Meeting will be held in Atlanta, GA, USA, May 18-21, 2020. The theme is "Optimizing Human Performance via Selection & Training." Abstract submission opens on or around September 1 and closes November 1, 2019 (**NO EXCEPTIONS!!!!**). Please note: there is a limit of 350 words/2500 characters including spaces for abstracts. Follow the link to the abstract submission site on our home page: <https://www.asma.org>.

Visit www.asma.org/scientific-meetings/asma-annual-scientific-meeting/call-for-papers for the complete Call for Papers.

Plenary Lectures



Above: Bauer Lecturer Jan Wörner (right) holds up the token of appreciation received from AsMA President Roland Vermeiren (left) and Michelle Frieling, representing KBR.

Top right: The Reinartz Lecturer, Floris Wuyts (right), receives a token of appreciation from AsMA President Vermeiren (left).

Lower right: Armstrong lecturer Adriaan Heerbaart (center) accepts a token of appreciation from Bob Laurent (right), representing ETC, and AsMA President Vermeiren (left).



The Ladies of AsMA



Above: Deb Sventek, Assistant to the Editor-in-Chief, before Honors Night ceremonies.

Top right: From left to right, are Sheryl Kildall, Subscriptions Manager; Gisselle Vargas, Operations Manager; Nora Johnson, Registration volunteer and Life Member of AsMA; and Gloria Carter, Director of Member Services, at the Honors Night dinner.

Bottom right: Pamela Day (right), Managing Editor, poses with Roland Vermeiren (left), AsMA President, during the Honors Night reception.



Scholarship Winners

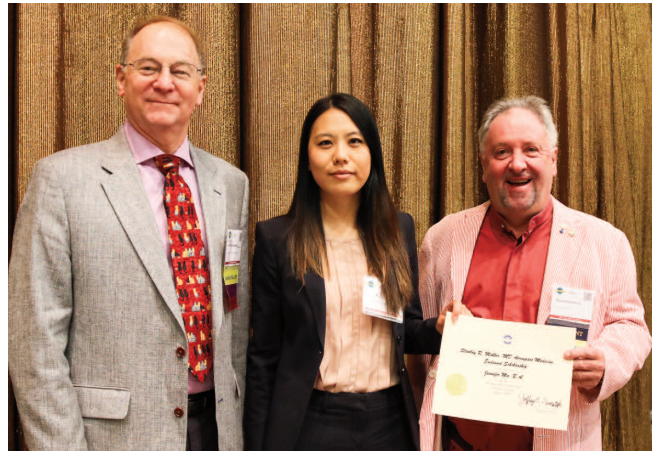
Left column, top to bottom: The 2019 Jeffrey R. Davis, M.D., Aerospace Medicine Endowed Scholarship was presented to Karen Ong, M.D., Ph.D. (left), by AsMA President Roland Vermeiren (right).

Michael Greene, M.D. (left), receives one of two AsMA International Aerospace Medicine scholarships from AsMA President Vermeiren. At the bottom, the other scholarship was presented by Dr. Vermeiren to Rochelle Velho, M.P.H., B.Sc. (left).



Right column, top to bottom: Flt. Lt. Joe Britton (left) receives the Anita Mantri Memorial Travel Scholarship from AsMA President Vermeiren (right) while Kim Broadwell (center), representing the Mantri family, looks on.

Jennifer Ma, B.A. (center), receives the Stanley R. Mohler, M.D., Aerospace Medicine Endowed Scholarship from AsMA President Vermeiren (right) and Kim Broadwell (left), representing the AsMA Foundation.



Apollo 11 Panel

A special plenary session to celebrate the 50th anniversary of Apollo 11 was held on May 6. From left to right are panelists Mike Barratt, Chuck Berry, Bill Carpenter, and Gerry Griffin.



Minutes of the 90th Annual Business Meeting

Tuesday, May 7, 2019, Rio All Suites Hotel, Las Vegas, NV



Vermeiren



Sventek

Call to Order (Vermeiren): A quorum for the meeting was established at 12:00 p.m. on Tuesday, May 7, 2019. Dr. Roland Vermeiren, President, called the meeting to order.

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

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

Report of the President (Vermeiren): To highlight the year, we have improved on several parts of the association. We have produced a clear ethics process for internal complaints to be evaluated and acted upon. Under the leadership of Joe Ortega, we updated our business plan. We have worked on a new type of membership for low-income countries. Membership would be \$50 and would allow access to our Annual Scientific Program for free. This will be a trial program over the next 2 years. We hope it will expand our access to low-income countries. We are also busy providing liaison to other national and international aerospace medicine associations. In 2020, AsMA, IAASM, and the French Aerospace Medicine Association will be working together for a Paris joint meeting. We also have been utilizing GLOC for providing connections to the world to produce collaborations.

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 very successful. I especially want to recognize all who volunteered this past year to help move the Association forward. Thank you for your continued strong support of the Aerospace Medical Association. I'd also 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 members.

AsMA membership seems to have stabilized at around 2,100 paid and active members. As of this report, AsMA membership total 2,118. The AsMA President, Vice President of Member Services, Vice President of International Services, Chair of the Membership Committee and Chair of the Global Liaison and Outreach Committee have been working with the AsMA Executive Committee and the AsMA Council to develop an Allied Membership designed to expand AsMA membership to residents of countries with developing economies and low incomes. The proposed Allied membership is still in development and should be ready for AsMA member-

ship consideration over the next year. This initiative could offer Aerospace Medicine professionals, who currently cannot afford AsMA membership, the opportunity to join our Association and work with our current members to further the Aerospace Medicine profession within their countries.

As of this morning, total registration for this meeting is 1,639, compared to 1,445 at the same time for the 2018 meeting. Of that total, 1,552 were registered in advance of the meeting and 87 attendees registered here on site. This represents an increase of 194 attendees or 13% above the 2018 meeting in Dallas. The 1,639 registrations represent the largest meeting registration total in the last 15 years. Revenue from our Annual Scientific Meetings represents a large portion of our annual operating budget.

AsMA Council approved the expenditure of \$13,400 for the first-year subscription to OpenWater software. The online application system was setup during the summer and fall of 2018 and was used to manage all scientific abstracts for the AsMA Annual Scientific Meet, AsMA Award nominations, scholarship applications, and AsMA Fellows applications. A total of 550 scientific abstracts were submitted for the 90th Annual Scientific Meeting. A total of 52 AsMA Award nominations were submitted for the 19 annual awards. A total of 65 scholarship applications for the 9 available scholarships were collected. And, a total of 41 AsMA Fellows applications were submitted for the Fellows Evaluation Committee to review. The new Fellows application form automatically provides scoring as the Fellow nominee enters data into the form. This is done in real time and provides the nominee with an estimate of their score. The Fellows submission form and scoring required the OpenWater team to approach our requirements very differently and then design our Fellows submission form via back-end programming they had never done previously. The result is a new submission form with greater capabilities and functionality than any of OpenWater's previous submission forms. The OpenWater team is very proud of the AsMA Fellows submission form and they requested an opportunity to market this new capability via their blog. I agreed and participated in the blog article review. You can all read the article on the OpenWater blog at: <https://www.getopenwater.com/client-spotlight-asma-fellow-ship-openwater/>.

Feedback from applicants and reviewers for the OpenWater online system has been predominantly positive. Dr. Warren Silberman, Fellows Group Chair, commented on the new Fellows process stating "I LOVE the new application. It makes scoring easier! Thanks for this!!!"

Finally, I am required to report the Aerospace Medical Association financial status for 2018. I will leave the details to our Treasurer to explain but I am pleased to report that our 2018 financial records completed a full audit by Gross, Mendolsohn, & Associates, P.A., on April 2, 2019. According to the Audit Report, "In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of Aerospace Medical Association as of December 31, 2018 and 2017, and the changes in its net assets and its cash flows for the years then ended in accordance with accounting principles generally accepted in the United States of America. The financial statement disclosures are

See 'Minutes,' p. N55

neutral, consistent, and clear. We encountered no significant difficulties in dealing with management in performing and completing our audit. For purposes of this letter, a disagreement with management is a financial accounting, reporting, or auditing matter, whether or not resolved to our satisfaction, that could be significant to the financial statements or the auditor's report. We are pleased to report that no such disagreements arose during the course of our audit."

Report of the AsMA Foundation Chair (Broadwell): The Foundation spent the last year supporting awards and scholarships and the annual Trumbo Fun Run and Walk. We gave out about \$10K in scholarships this past year. We will have about \$400K in assets by the end of 2019. Last year we introduced tiered donors and have several levels. We can now take credit cards and you can now donate at any time at the meeting. We will also be able to accept donations on our website. We now have set an annual goal of \$50K per year in donations. We desire to increase our awards and scholarships and provide seed money for research projects.

GOVERNANCE (Joe Ortega):

Bylaws Committee (Baisden): Bylaws change – governance goal needs to be modified : (Governance) Under Vision, Mission, Goals [Published in the February issue of the journal: AMHP 2019; 90(2):148.] The motion passed unanimously.

Nominating Committee (Gradwell): The slate of officer candidates was presented: President-Elect: Chuck DeJohn; Vice Presidents: Volker Damann, Joe Dervay, and Barry Shender; Secretary: Kathy Hughes; Members at Large: Denise Baisden, John Charles, Ilaria Cinnelli, and Susan Fondy. A motion was made to accept the slate of officers. There was one opposed and 9 abstentions. The motion passed.

Treasurer's Report (Sevilla): The report is based on Susan Barnes, CPA and UBS reports. We are doing well. Net Income: \$66 net loss 2018 EOY (due to investment market losses). Ordinary Income: \$66K in profit, realizing that we had to pay for the deposit early for this meeting and our 4th quarter investments were down. Our investments are improved this year. UBS Performance: \$896K investments in 2018; now in 2019 over \$1M in investments. \$461 K income last year for AsMA's Annual Scientific meeting. In summary, we have met our strategic financial goals last year and expect it for years to come.

REPRESENTATION AND ADVOCACY (Alex Garbino): Communications Committee is updating tabs on the website. Social Media is working hard this meeting #AsMA2019. The Air Transport Committee was asked by FAA to review airline medical kits and the report is ready to be sent out. Resolutions Committee--all resolutions have been cleared from the slate. The electronic voting worked well. We are working with bringing global members to AsMA and we are working with several other international aerospace medicine organizations to take part in their meetings. We are working with several U.S. organizations such as the American College of Emergency Physicians with their new Aerospace Medicine Section; this collaboration will help both organizations.

EDUCATION AND RESEARCH (DeJohn): The Mental Health Working Group is finalizing a draft report of their

perspective on psychological testing in pilots. There was a study on Neurocognitive Assessment for Fitness to Fly. AsMA provided money for the study, and there is a draft report of this research available at the meeting. The Science and Technology Committee came up with draft criteria on funding research in Aerospace Medicine. The Education and Training Committee fielded the "This is Aerospace Medicine" presentation. Also, Pilot and Non-Aerospace Medicine tabs have been produced and will be active shortly on the AsMA website.

MEMBER SERVICES (Jim De Voll): Cheryl Lowry, Joe Dervay, Dick Leland all deserve recognition. The Awards Committee reports that the Honors Night Program will be outstanding this year. The AsMA Executive Committee, in coordination with the Corporate Membership Committee, approved three new corporate sustaining members this year. Membership Committee has been working new members very well. Also, auto-dues renewal is an ongoing effort and we are on track to complete it by the end of the year. It will help to stabilize our membership.

INTERNATIONAL SERVICES (Damann): GLOC did a great job in making a global contact list for aerospace medicine leaders. They developed the Allied Membership for AsMA based upon the UN List of Developing Countries. We are a diverse multinational association, but we are lacking membership from low income countries. There was a proposal about 3 years ago to expand our membership by engaging people in countries that are developing. We worked on what constituted developing countries and what membership fees and meeting registration fees should be. We desired to make it lean administratively on the HQ staff. We utilized the UN emerging economy list. We did not want individuals to prove their individual income, rather than they are a member of a low income country on the UN emerging economies list– Table E. The lower middle to low income sections appear most applicable to our recommendations. The applicant would need to prove citizenship. The member would become a full member but would pay at student rate for membership (\$50 annually) as well as student rate for meeting attendance (which is free for international students, so it would be free for these folks to attend). No financial support would be provided for travel to the meeting. Members residing in those countries who are current members would convert to Allied Members. We would need to recruit 90 new members to cover the cost difference in the conversion of current members. We may gain many more members by lowering the threshold in order to get into the association. This has been approved by Council as a 2-year trial.

President's Conclusion (Vermeiren): The ethics process recommendations will be soon available to the membership for a vote. We are actively engaged in sending representatives to ICASM and other meetings. The 2020 joint program in Paris is on schedule. Finally, I desire to thank the vice presidents, council, the HQ team, committees, constituent organizations, and all of the members.

Old Business: None.

New Business: None.

Adjourn: The meeting adjourned at 1:06 p.m.

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

2019 Richard "Dick" Trumbo 5K Preventive Medicine Run/Walk



The Trumbo 5K Run/Walk was held the morning of Monday, May 6, at Sunset Park in Las Vegas, NV. The top finishers were: Nathalie Duvigneaud (1st women's, left); Ben Easter (1st men's, right); Karen Ong (2nd women's, not shown); Josh Shields (2nd men's, below left); Mical Kupke (3rd women's, below center); and Alex Wolbrink (3rd men's, below right). All of the registered runners received a t-shirt provided by UTMB Aerospace Medicine.



RAM Bowl 2019

The 12th Annual RAM Bowl was held the afternoon of Wednesday, May 8. The winning team, shown below top, was the U.S. Army RAM team. The best Resident was CAPT Gurdeep Buttar, on the far right. Below bottom are the RAM Bowl referees.



Speed Mentoring

There were two speed mentoring sessions this year, one on the afternoon of Monday, May 6, and the other in the morning of Wednesday, May 8. In these sessions, mentees are paired with mentors to discuss careers in Aerospace Medicine.



Read Current News Online!

The AsMA, Industry, & Member News (and the Job Fair) pages are updated as we get news.

Space Medicine Association 2019 Awards

The Space Medicine Association held its luncheon on Thursday, May 9, where its awards and scholarships were given out.



Scientific Achievement Award: John Charles (center right) accepts the achievement award for Inessa Kozlovskaya, M.D., Ph.D., D.Sc., from Joseph Dervay (far left), Judy Hayes (center left), and Charles Mathers (far right). This award is sponsored by Jeffrey P. Sutton, M.D., Ph.D.



Lifetime Achievement Award (left): William Carpenter, M.D., M.Sc. (right), accepts the award from Joe Dervay (left).
President's Award (right): Michelle Frieling (right) accepts the award on behalf of Ashot Sargsyan, M.D., from Joe Dervay (left).



SMA Journal Award: Michael Harrison, M.D., Ph.D. (center), accepts the journal award from Joe Dervay (left) and Charles Mathers (right).



Jeff Myers Young Investigator Award: Michael Greene, M.D. (center), accepts the award from Joe Dervay (left) and Jeff Myers (right).



SMA Undergraduate Scholarship: Nicholas Nelson (center) accepts the scholarship from Joe Dervay (left) and Charles Mathers (right).



SMA International Scholarship (above left): Leanne Eveson (center) accepts the scholarship from Joe Dervay (left) and Charles Mathers (right).

SMA Medical & Graduate Education Scholarships (above center and above right): In the center, Lynda Chowdhury (center) accepts the scholarship from Joe Dervay (left) and Charles Mathers (right). This scholarship is sponsored by Jeffrey R. Davis, M.D., Ph.D.

On the right, Jay Shah accepts the scholarship from Joe Dervay (left) and Charles Mathers (right). This scholarship was sponsored by SMA.

SMA Medical Resident & Post-Doctorate Scholarship (right): Jennie Myers-Pacheco Wang, D.O. (center right), accepts the scholarship from Joe Dervay (far left), Michelle Frieling (center left), and Charles Mathers (far right). This scholarship is sponsored by KBR.



Jeff Myers Young Investigator Award Finalists



The finalists for the Jeff Myers Young Investigators Award are pictured with Jeff Myers (4th from the left). From left to right they are: 2nd Lt. Alex Gaines (1st runner-up); Laura Galdamez, M.D.; LT Daniel Weinberg; Astronaut Serena Aunon-Chancellor; Flt. Lt. Srihari Enakel (1st runner-up); Jay Shah (Honorable Mention); Timothy Donahoe; and the winner, Michael Greene, M.D. Not pictured is finalist Aleksandra Stankovic, Ph.D.

Aerospace Physiology Society Luncheon and Awards



Paul Bert Award (above): This year's winner of the Bert award was Professor Peter Hancock, Ph.D., D.Sc. He was unable to be at the meeting, so Brian Munoz (center) accepted the award for him from Bill Ercoline (right) and Maj. Elizabeth Combs (left). The award is sponsored by KBR.

Fred A. Hitchcock Award (below): Lt. Col. Nathan Maertens (right) receives the Hitchcock award from Lt. Col. Thomas Massa (left). Sponsored by International ATMO.



Wiley Post Award: This year's winner of the Post award was Maj. Christianne Opresko (right). In the photo, she accepts the award from Paul Ninefeldt (left). The award is sponsored by Gentex Corp.



Board Certification (CASP): In the photos, CDR Tyler Scheeler (left) presents the certificate to LT Constance Ramsburg (left photo, on the right) and LCDR Darci Hook (right photo, on the right).



Partnership in Education: Mr. Robert Hill (right), Hyde Park Middle School, Las Vegas, NV, was the recipient of the 2019 Partnership in Education Award, sponsored by AsPS. In the photo, he accepts the award from Maj. Andrew Metelko. Mr. Hill has been an instructor in earth science, physics, and chemistry for over 20 years. His students have been recognized in various competitions, including a group he guided to win the NASA Space Settlement Award. They were the only U.S. middle school group to win.

Aerospace Physiology Society Luncheon Speaker



Mr. Thornton D. Barnes (left) accepts the commemorative plaque for being the AsPS luncheon speaker from Dr. Shane Jacobs (right). The plaque is courtesy of David Clark Co.

Other Constituent Awards



Aerospace Human Factors Association (AsHFA): Douglas Wiegmann (right) was the recipient of the 2018 Henry L. Taylor Founder's Award from AsHFA. He is shown here accepting the award from Annette Sobel (left).



Society of U.S. Naval Flight Surgeons (SUSNFS): Charles DeJohn (right) was presented the Ashton Graybiel Award from SUSNFS by Nathaniel Almond (left).

Army Aviation Medical Association Awards

The Army Aviation Medical Association awarded the Joseph L. Haley Writing Award to Knut Andersen, Roald Baardsen, Ingvid Dalen, and Jan Petter Larsen for their paper entitled "Long-term effects of exercise programs among helicopter pilots with flying related LBP" [J Back Musculoskeletal Rehabil. 2018; 31(1):1-13].

Silberman Receives Order of Aeromedical Merit



Dr. Warren Silberman (far right) was awarded the Order of Aeromedical Merit (OAM) by the Society of U.S. Army Flight Surgeons. This award is the highest honor this society gives. In the photo with Dr. Silberman are, left to right, Steven Gaydos, Eric Olins, and Mark McPherson. COL Dave Romine, a fellow AsMA member who is not pictured, also received the OAM.

Jacques Receives Award



LTC(P) Mark Jacques (left) was awarded the 2019 Aerospace Medicine Specialist of the Year by the Society of U.S. Army Flight Surgeons. In the photo, he accepts the award from Susan Fondy (right).

Visit Us on Social Media!

Twitter: https://twitter.com/aero_med
FB: www.facebook.com/AerospaceMedicalAssociation
LinkedIn: [https://www.linkedin.com/company/2718542?trk=tyah&trkInfo=tarId:1404740611720,tas:Aerospace Medical,idx:1-1-1](https://www.linkedin.com/company/2718542?trk=tyah&trkInfo=tarId:1404740611720,tas:Aerospace%20Medical,idx:1-1-1)

New Members

AsMA welcomes 27 new members in August.

- Akkach, Kamal; Dubai, United Arab Emirates
- Alani, Sabrina; St. John's, Newfoundland, Canada
- Brane, Lucas; Pittsburgh, PA, United States
- Bushong, Andrew; Laurel, MD, United States
- Caldwell, Dylan; Naples, FL, United States
- Connell, John; Montreal, Quebec, Canada
- Dow, Jennifer; Girdwood, AK, United States
- Duong, Brittany; Galveston, TX, United States
- Edwards, Patrick; Cold Lake, Alberta, Canada
- Eldreth, Bryan; Pueblo, CO, United States
- Farfan, Marian; Bogota, Colombia
- Harrell, John; Oakwood, OH, United States
- Hibberd, Rachel; Blacksburg, VA, United States
- Hong, Michelle; Houston, TX, United States
- MacKellar, Rachel; Waterloo, New South Wales, Australia
- Milam, Chad; Middleburg, FL, United States
- Norsworthy, John; Southsea, Hampshire, United Kingdom
- Pohlen, Michael; Redwood City, CA, United States
- Prete, Mark; Tariffville, CT, United States
- Price, Louisa; Lincoln, Lincolnshire, United Kingdom
- Schneidman, Sydney; Wilmette, IL, United States

Subscribe to the Federal Air Surgeon's Medical Bulletin!

You can have the Federal Air Surgeon's Medical Bulletin delivered directly to your inbox. Each edition features an editorial written by the Federal Air Surgeon. In addition, the Bulletin includes current case studies and articles by leading experts in aerospace medicine, and information on seminars and online educational opportunities.

The Bulletin is published quarterly for aviation medical examiners and others interested in aviation safety and aerospace medicine. It is prepared by the Aerospace Medical Education Division, FAA CAMI. Sign up at: https://public.govdelivery.com/accounts/USAFAA/subscriber/new?topic_id=USAFAA_809.

FREE BOOK AVAILABLE ONLINE

International Space Station Benefits for Humanity. Houston, TX: NASA Johnson Space Center; 2019; 236 p.; NP-2018-06-013-JSC; https://www.nasa.gov/mission_pages/station/research/news/b4h-3rd-ed-book.

This book is a collaborative work by the members of the International Space Station Program Science Forum. From the Executive Summary: "The third edition of the *International Space Station Benefits for Humanity* is a compilation of benefits being realized from International Space Station activities in the areas of human health, Earth observations and disaster response, innovative technology, global education, and economic development of space. This revision also includes new assessments of economic value and scientific value in more detail than the second edition. The third edition contains updated statistics on the impacts of the benefits as well as new benefits that have developed since the previous publication." This publication may be obtained online without charge.

- Sproule, Benjamin; Hopewell, NJ, United States
- Stanwyck, Lynn; Roanoke, VA, United States
- Tallent, David; Redhill, Surrey, United Kingdom
- Thai, Linda; Houston, TX, United States
- Tomeldan Jr., Conrado; Pasay, Philippines
- Ward, Daniel; Fresno, CA, United States

Carpentier Interviewed by BMA

William Carpentier, who participated in the Apollo 11 panel at this past May's Annual Scientific Meeting in Las Vegas, NV, was interviewed by the British Medical Association for their magazine. The article highlighted his role as the flight surgeon who took care of the Apollo 11 crew. He trained to rescue them from sea and spent 3 weeks quarantined with them after they landed. His training included practicing CPR in the water, something he fortunately did not have to do for real. During the quarantine period, he worked to gather data, evaluate the astronauts, and ensure the quarantine was successful, since lunar microbes, if found to be harmful, could endanger not only the aircraft carrier, but also the President. In addition, Dr. Carpentier served as support staff for the Apollo 13 mission and had an important role in dealing with the aftermath of the oxygen tank explosion. To read the entire interview and see the photos, please visit www.bma.org.uk/features/neilarmstrongsdctor/.

MEETINGS CALENDAR

Embry Riddle Aeronautical University (ERAU) Human Factors Analysis Classification System (HFACS) classes:

workshops are on the following dates: September 17-18, 2019 - Las Vegas, NV; December 17-18, 2019 - Las Vegas, NV. For more, visit <https://proed.erau.edu/courses/hfacs>.

Sept. 1-6, 2019; The International Society of Air Safety Investigators (ISASI) annual seminar; The Hague, the Netherlands. To register or for more info, please visit the seminar website at www.ISASI2019.org.

Sept. 8-12, 2019; 67th International Congress of Aerospace Medicine (ICASM); Derecen, Hungary. For more information, please visit <https://www.icasm2019.com/>.

Sept. 9-13, 2019; 24th International Symposium on Shiftwork and Working Time; Couer D'Alene, ID, USA. For more info, please visit www.shiftwork2019.com.

Sept. 24-26, 2020; 1st International Conference of Aerospace Medicine (ICAM 2020); Paris, France. Abstract submission & registration open 15 Oct. 2019. For more, visit <http://www.icam2020.com/EventPortal/Information/ICAM2020/HOME.aspx>.

Oct. 28-Nov. 1, 2019; HFES 63rd International Annual Meeting; Seattle, WA, USA. For more information on the meeting, please visit <http://www.hfes2019.org/>.

June 9-11, 2020; Global Space Exploration Conference; St. Petersburg, Russian Federation. Co-organized by the International Astronautical Federation and ROSCOSMOS. For more info, visit <http://www.iafastro.org/evenements/global-space-exploration-conference-glex-2020/>.

Future AsMA Annual Scientific Meetings

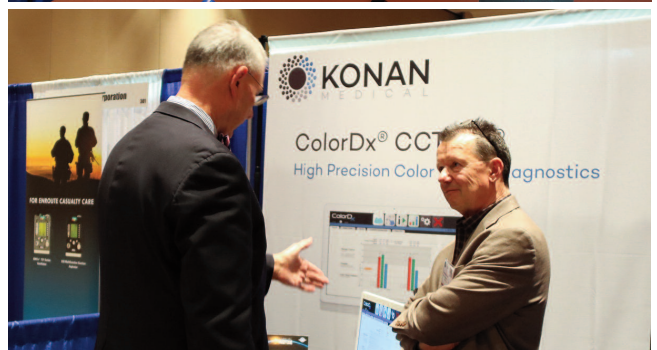
May 17-21, 2020; Hyatt Regency Atlanta; Atlanta, GA
May 23-27, 2021; Peppermill Resort Hotel; Reno, NV
Past meetings are listed in the [List of Past and Future Meetings](#), found on the [future meetings page](#).

NEWS OF CORPORATE MEMBERS

EXHIBITORS AT AsMA 2019

There were 36 exhibitors at this year's AsMA Annual Scientific Meeting in Dallas. Of these, 9 (25%) were Corporate Members. Left column: Aerospace Medicine Residency Program at UTMB, Enviro-nics Inc., Environmental Tectonics Corporation, Go2Altitude (Biomedtech Australia). Right column: Hydrospace Group, KBR, Konan Medical USA, Monash University Aviation Medicine Unit. On the next page: Pilot Medical Solutions (left) and Medlock Consulting (right), who joined AsMA at the annual meeting. Thank you to all our corporate members and exhibitors!

All photos by Pamela C. Day. A photo gallery of the exhibitors is available at: <https://aeromed.smugmug.com/Meetings/2019-90th-Annual-AsMA-Scientific-Meeting-Week-Exhibits/>.





Serco Asia Pacific Newest Corporate Member

Serco Asia Pacific is the newest Corporate & Sustaining Member of the Aerospace Medical Association (AsMA). The company delivers public services in the sectors of citizen services, defense, health, immigration, justice, and transport. This regional branch of Serco operates across the Asia Pacific region, employing more than 9,000 people across Australia, New Zealand, Hong Kong, and mainland China. Within the transport sector, the company provides civilian air traffic control and airside fire and rescue services, as well as operation and management of passenger rail, road traffic management, and transport information services. Within the defense sector, the company provides commercial crews to operate navy support vessels and fulfills the needs of the Royal Australian Navy, including managing support ships for them. Recently, in support of the Royal Australian Navy's training activities, Serco donated two sailing craft to the local Australian Navy Cadet unit, TS *Shoalhaven*. Serco Group PLC through its Australian subsidiary and as Serco Group PLC through its Australian subsidiary and as sub contractor to Bupa Health Services Pty Ltd (Bupa), confirms that it will be supporting the Commonwealth of Australia's Department of Defence through the provision of National Garrison Health Services (NGHS) to the Australian Defence Force (ADF). From 1 July 2019, Bupa will operate the ADF Health Services Contract on behalf of the Australian Defence Force, and Serco will provide the majority of clinical on-base roles.

—Please visit <https://www.serco.com/aspac> to read more about the company.

KBR Celebrates Their History of Supporting NASA

KBR (formerly KBRwyle) recently posted an article discussing the history of the company with regards to NASA, especially their assistance on the Apollo 11 mission. One of their heritage companies, Brown & Root, won the contract for architectural design services at the Manned Spacecraft Center in Houston, TX. Today, that center is known as Johnson Space Center and it became the home for NASA's astronaut corps and Mission Control Center. Additionally, another of KBR's heritage companies, Wyle Laboratories, was the first to flow large quantities of liquid hydrogen that became the fuel of choice for the Saturn V rocket that launched

Want to see your company's news here?

Become a Corporate and Sustaining Member!
Visit www.asma.org/for-corporations to learn more.



Apollo 11. During the 1960s, yet another heritage company, then known as Technology Inc. (TI)—later renamed Krug Life Sciences, which also became part of Wyle—provided NASA with pivotal life science research. All of their support eventually helped launch Apollo 11 to the Moon.

—Please see <https://kbr.com/en/insights-events/stories/lunar-legacy-kbr-helps-apollo-11-make-history> to read more.

ALPA Presents Air Safety Award

The Air Line Pilots Association, Int'l (ALPA) recognized Jazz Aviation Capt. Nick Seemel with its Air Safety Award for his outstanding leadership in aviation safety. Capt. Seemel was presented with the award in mid-July at ALPA's 65th Air Safety Forum in Washington, DC. Over the course of his more than 30 years as an ALPA pilot, Capt. Seemel has become known around the world as a leading and respected advocate for the airline piloting profession. As the Air Safety coordinator for ALPA Canada, Capt. Seemel leads an extensive group of pilot volunteers and, working in partnership with airline management, represents his fellow pilots to ensure the highest standards of aviation safety. As one of the leading subject-matter experts on safety management systems, Capt. Seemel is currently advancing global aviation through his role on the International Civil Aviation Organization's Safety Management Panel, which is in the process of reviewing and amending international standards.

—Please see <http://www.alpa.org/news-and-events/newsroom/2019-07-18-air-safety-forum-capt-nick-seemel> for the full announcement.

Monash Researcher Joins Inaugural Women's MS Group

Dr. Viliija Jokubaitis, a Department of Neuroscience researcher, has become part of the inaugural executive committee of the newly announced International Women in Multiple Sclerosis (iWiMS) network. Dr. Jokubaitis is one of 12 committee members in the iWiMS and is overseeing mentorship within it. At Monash, she is Head of the Neuroimmunology Genomics and Prognostics Group, MS and Neuroimmunology in the Department of Neuroscience. The iWiMS network officially announced itself this month in *The Lancet Neurology*. The network's purpose is to create mentorship opportunities and foster international research collaboration, with a focus on supporting young investigators and emerging leaders. According to Dr. Jokubaitis, the iWiMS group is working to support all people, irrespective of gender or color, to

See 'Corporates,' p. N63

achieve parity and equity in the field by providing mentorship, opportunities for collaboration, opportunities to present at conferences, and also advocating for greater visibility at conferences.

—Please visit <https://www.monash.edu/medicine/news/latest/2019-articles/neuroscience-researcher-a-driving-force-in-global-womens-ms-group> to read more about this.

AOPA Works Toward Fee Transparency

The Aircraft Owners and Pilots Association (AOPA) has added a new tool to their airport directory that allows Fixed Base Operators (FBOs) to enter their fees and pilots to access that information for free. The new FBO fee information listed for individual airports in the AOPA Airport Directory debuted in June and includes more detailed fee information than previously published. AOPA has begun an industrywide outreach campaign to FBOs across the country, encouraging operators to post their fees in AOPA's directory. Ultimately, AOPA encourages FBOs to voluntarily and proactively update their fees in the directory. AOPA advocated for FBO fee transparency to help pilots make the best choice of an airport or business to patronize at a destination and let pilots find out before flight whether fees may be imposed, even if no services are required. The industrywide effort to make FBO fees more transparent picked up steam in the past 2 years, with increasing support from industry groups.

—Please visit <https://www.aopa.org/news-and-media/all-news/2019/august/pilot/aopa-action-fee-transparency> for the full article.

SAA Introduces New Aircraft to Its Fleet

South African Airways (SAA) is introducing the latest technology, available in ultra-long-haul aircraft, hailing exciting news for customers travelling nonstop between Johannesburg and New York JFK. SAA will supplement its existing long-haul fleet with new Airbus A350-900 aircraft, which are modern, twin-engine, and wide-body aircraft. These new-generation aircraft boast fuel-efficiency and other benefits and

advantages. The aircraft will operate on one of SAA's ultra-long haul routes between Johannesburg and New York's John F Kennedy International Airport (JFK), replacing the A340-600 aircraft on this route and will still be operated on a non-stop basis. The A350 has the latest offering in safety, maintenance and efficiency (technology). These aircraft present an opportunity for SAA to reduce fuel burn by approximately 20% compared to the aircraft currently operating on that route. This will translate into significant cost savings and, additionally, will add to a positive environmental impact, as SAA will also reduce its carbon emissions.

—For more, please see <https://www.flysaa.com/about-us/leading-carrier/media-center/media-releases/newsroom>.

NIOSH Releases Chemical Management Strategy

The National Institute for Occupational Safety and Health (NIOSH) recently released a chemical management strategy that can quickly and accurately assign chemicals into categories, or "bands," in order to protect workers on the job. A large number of chemical substances do not have occupational exposure limits (OELs) for the workplace, potentially exposing workers to substances at levels that could be harmful. Occupational exposure banding is a voluntary process that assigns each chemical to a category based on its toxicity and any negative health outcomes associated with exposure to that chemical. The new Technical Report—The NIOSH Occupational Exposure Banding Process for Chemical Management—provides a process with easy procedures and clear rules for assignment and can be used in a broad spectrum of workplace settings. The occupational exposure banding process is not meant to replace quantitative occupational exposure limits (OELs); rather, it is a voluntary approach which provides a starting point to inform risk management decisions for controlling chemical substances that do not have OELs.

—Please visit <https://www.cdc.gov/niosh/updates/upd-07-10-19.html> to read more on this.

SAVE THE DATE!

The International Astronautical Federation (IAF) is pleased to announce the Global Space Exploration Conference (GLEX) 2020 to take place in St. Petersburg, Russian Federation, from 9–11 June 2020. The Conference is co-organized by the International Astronautical Federation (IAF) and ROSCOSMOS.

For more information, please visit the meeting site at <http://www.iafastro.org/evenements/global-space-exploration-conference-glex-2020/>.

Upcoming FAA AME Seminars

Dates	Location	Seminar Type
Aug. 10-12, 2018	Washington, DC	Refresher++
Sept. 27-29, 2018	Anchorage, AK	CAMA++
Sept. TBD	Denver, CO	Refresher++

PLEASE NOTE: The only FAA seminar AsMA takes registrations for is the one held in conjunction with our annual meeting in May. For all others, please contact the FAA.

For more, visit: http://www.faa.gov/other_visit/aviation_industry/designees_delegations/designee_types/ame/seminar_schedule/.

Corporate News Bites

IFALPA: The International Federation of Air Line Pilots Association (IFALPA) recently released a position paper on commercial space operations. They state that commercial space operations should comply with safety risk mitigations and that there is a need for clearly defined safety standards. To download the entire statement, please visit <https://www.ifalpa.org/media/3394/19pos06-commercial-space-operations.pdf>.

AMAS: The Aviation Medicine Advisory Service's (AMAS's) Dr. Quay Snyder had a very busy May, attending five meetings or seminars. The most recent one was the meeting of the Executive Council of the International Academy of Aviation and Space Medicine (IAASM), which Dr. Snyder serves on. He will also be presenting at IAASM's International Congress later this year. Please see <https://www.aviationmedicine.com/amas-notams/latest-amas-news/> to read more AMAS news.