



Ever Upward: August 2018

Ortega Is AsMA President-Elect; Vermeiren Installed as President

Hernando J. "Joe" Ortega, Jr., M.D., 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 89th Annual Scientific Meeting of the Association, May 8, 2018, at the Hilton Anatole Hotel, Dallas, TX.

Dr. Ortega first earned a B.S. in Biology at the University of Georgia in Athens in 1981. He received his M.D. from the University of Tennessee Health Science Center in Memphis in 1986 and served an internship in General Surgery at Wilford Hall Medical Center, San

Antonio, TX, from 1986–1987, then a Residency in Aerospace and Occupational Medicine from 1998–2001. He later earned an M.P.H. in 1999 at the Harvard School of Public Health in Boston, MA. From 1987 to 1998 and 2001 to 2003, he had multiple assignments as a USAF and NASA Flight Surgeon. In 2003, he became Squadron Commander at the 473rd Aerospace Medicine Squadron at Yokota AB, Japan. In 2005, he became Deputy Hospital Commander, 35th Medical Group, at Misawa AB, Japan. In 2006, he transferred to Kunsan AB, Korea, to serve as Commander of the 8th Medical Group. In 2007, he was assigned as Command Surgeon of the Air Force Intelligence, Surveillance, and Reconnaissance Agency. He transferred in 2012 to become Chief of the Aerospace Medicine Division, Air Education and Training Command, a position he held until 2016, when he retired as a full Colonel. In 2012 he also became Vice Chair, Aerospace Medicine, with the American Board of Preventive Medicine.

Dr. Ortega has written several peer-reviewed articles, a white paper on Telewarfare and Military Medicine, and a book chapter on "Space and Entry Motion Sickness" for Barratt and Pool's "Principles of Clinical Medicine for Space Flight." He has given over 75 presentations at scientific meetings, academic symposia and policy forums. His teaching experience includes being Clinical Assistant Professor, Department of Preventive Medicine and Community Health for the Residency in Aerospace Medicine at the University of Texas Medical Branch at Galveston from 1996 to 2007. He was a Lecturer for the USAF School of Aerospace Medicine, Aerospace Medicine Primary course & Residency in Aerospace Medicine from 2007 to 2016. He is a member of the Aerospace Medicine Exam Subcommittee for the American Board of Preventive Medicine.

During his career as a flight surgeon, Dr. Ortega was one of a handful of vanguard physicians coping with and developing the new and improved "lineup card" of human factors concerns associated with the newer, more powerful combat capable F-16 A/B/ C/D models. His in-flight mitigation strategies, such as the "slap-shot" neck maneuver or the "slim-Jim" abdominal squeeze are still used today to limit neck or lower back strain and injuries in high-G high performance aircraft.

His outstanding work at Patrick AFB, FL, earned him selection as the Air Combat Command (ACC) Flight Surgeon of the Year. He was even by-name requested to take a position at NASA's Johnson Space Center, Houston, TX. During his residency, 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 AMA delegate for AsMA, he still brings the Air Forces' and Aerospace Medicine perspective and needs to the American Medical Association (AMA) House of Delegates.

Dr. Ortega is the Founder and Managing Member of Flight Docs Unlimited, LLC, in San Antonio, where he is presently working on two U.S. Air Force contracts, 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. He is a Fellow and past Treasurer of the Aerospace Medical Association.

Roland Vermeiren, M.D., was installed as President during the Council meeting, Thursday, May 10. He is Chair of the EUROCONTROL Medical Board and Head of Medical Services, Principal Medical Advisor (European Organization for the Safety of Air Navigation), Brussels, Belgium. [For a more complete biography of Dr. Vermeiren, please see *Aerospace Medicine* 2017; 88(8):804.]

Other elected officials are: **Vice Presidents:** Charles DeJohn, D.O., James DeVoll, M.D., M.P.H.; **Treasurer:** Nereyda Sevilla, Ph.D.; **Members-at-Large:** Peter H. U. Lee, M.D., Ph.D., Cheryl Lowry, M.D., M.P.H., M.S.S., Patricia MacSparran, M.D., M.P.H., and Eduard Ricaurte, M.D., M.S.

Passing the Gavel



Roland Vermeiren, M.D., FAsMA, incoming President, accepts the gavel from Valerie Martindale, Ph.D., CAsP, FAsMA, the outgoing President, at the joint Council meeting that took place Thursday morning, May 10, 2018.

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

President's Pin and Gift



Jack Martindale pins his wife, Valerie, with the Past President's Pin.

50-Year Pins



Valerie Martindale presents Paul Rambaut with his 50-year pin.



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



Valerie Martindale presents Russell B. Rayman with his 50-year pin.

President's Citation



The President's Citation was awarded to the Air Transport Medicine Committee for their yeoman's efforts throughout the year. Those who were present at the meeting are pictured here.



Paul Sheffield (left), who could not be at the meeting, received his 50-year pin from Tom Workman (right).

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

Plenary Lectures



Above: Bauer Lecturer Morgan Sandercock (center) receives a token of appreciation from AsMA President Valerie Martindale and Vernon MacDonald, representing KBRwyle.

Top right: The Reinhartz Lecturer, Ronald Przygodski, receives a token of appreciation from AsMA President Valerie Martindale.

Lower right: Armstrong lecturer Dr. John Charles (center) accepts a token of appreciation from Bob Laurent (left), representing ETC, and AsMA President Valerie Martindale.



The Women of AsMA



From left to right, seated are Sheryl Kildall, Gloria Carter, Gisselle Vargas, and Rachel Trigg; standing are Deb Sventek and Pam Day at the Honors Night Reception.



Aerospace Medicine
sans frontières

2019 Meeting Call for Papers

The Aerospace Medical Association's 2019 Annual Scientific Meeting will be held in Las Vegas, NV, USA. This year's theme is "Aerospace Medicine sans Frontières." The abstract submission site opens on or around August 1 and closes November 1, 2018 (NO EXCEPTIONS!!!!!!). 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 to read the complete Call for Papers.

MEETINGS CALENDAR

Sept. 20-23, 2018; 6th European Congress of Aerospace Medicine; Prague, Czech Republic. For more, please visit <https://www.asma.org/scientific-meetings/prague-czech-republic-6th-european-congress-of-aer>.

24-28 Sept. 2018; 33rd International EAAP Conference on Aviation Psychology and Human Factors in Aviation; Hotel Dubrovnik Palace, Dubrovnik, Croatia. For more, please visit conference.eaap.net/submit.html.

25-26 Sept. 2018; Aviation Health Conference; Holiday Inn Kensington Forum, South Kensington, London. Visit <https://www.quaynote.com/conference/aviation-health-conference-2018/> for more info.

Oct. 17-18, 2018; 9th International Conference on Epidemiology and Public Health; Las Vegas, NV. For more info, please visit <https://epidemiology-publichealth.conferenceseries.com/>.

Nov. 7-9, 2018; Australian Aviation Psychology Association (AAvPA) 2018 Symposium; Crowne Plaza Hotel, Coogee, Sydney, Australia. For more, please visit <http://www.aavpa.org/read/2254/2018-aavpa-symposium-november-2018-sydney.html>.

Dec. 10-12, 2018; International O.G. Gzenko XVII Conference on space biology and aerospace medicine; Presidium of the Russian Academy of Sciences, Moscow, Russia. For more information or to register, please visit www.spacemedicine-2018.com or www.imbp.ru.

Scholarship Winners

Left column, top to bottom: The 2018 Anita Mantri, Ph.D., Memorial Travel Scholarship is presented to Ilaria Cinelli, Ph.D., (left) by Kim Broadwell, representing the AsMA Foundation, and the Mantri family, Dr. Vish B. Mantri, Ph.D., PE, Trisha Mantri, and Mrs. Shubha Mantri, B.S., MBA, with Dr. Valerie Martindale.

The 2018 Anita Mantri, Ph.D., Memorial Travel Scholarship is presented to Jennifer Fleischer (left) by Kim Broadwell, representing the AsMA Foundation, and the Mantri family, Dr. Vish B. Mantri, Ph.D., PE, Trisha Mantri, and Mrs. Shubha Mantri, B.S., MBA, with Dr. Valerie Martindale.

Moriah Thompson received the Stanley R. Mohler, M.D., Aerospace Medicine Endowed Scholarship from Valerie Martindale and Kim Broadwell, representing the AsMA Foundation.

Right column, top to bottom: The AsMA International Scholarship is presented to Beth Healey, M.B.Ch.B. (Honors), by AsMA President Valerie Martindale, Ph.D.

The AsMA International Scholarship is presented to Bonnie Posselt, M.B.Ch.B. (E), by AsMA President Dr. Valerie Martindale.

The AsMA International Aerospace Medicine Scholarship Award is present to Matt Wilkes by AsMA President, Dr. Valerie Martindale.



Minutes of the Aerospace Medical Association 89th Annual Business Meeting

Tuesday, May 8, 2018, Hilton Anatole Hotel, Dallas, TX



Martindale



Sventek

Call to Order (Martindale): A quorum for the meeting was established at 12:11 p.m. on Tuesday, May 8, 2018. Dr. Valerie Martindale, President, called the meeting to order.

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

Recognition of Past Presidents (Martindale):

Dr. Martindale invited the Past Presidents of AsMA to rise.

Report of the President (Martindale): This year's business meeting is only 1 hour long, which allows you to go to committee meetings and learn about committee activities. You can also attend poster sessions on the committee activities, however, we will only present those activities at this meeting that are required by the bylaws in order to save you time.

We have collaborated with International Academy of Aviation and Space Medicine and European Society of Aerospace Medicine this year greater than ever. We have several joint meetings in the planning stages and our meeting in 2017 was a success. It will help us to provide more outreach to others around the world.

BasicMed implementation occurred in the past year in the U.S. after the Pilots' Bill of Rights Passage. We need to be active in educating the general medical practitioners who may be called upon to make fitness to fly decisions. We are working with AOPA to get this done.

Report of the Executive Director (Sventek): "Madam 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. 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 2,000 paid and active members. As of this report, AsMA membership totals 2,009. The Vice President of Member Services designed a post card and asked the AsMA Staff to send out to all who had allowed their membership to lapse in the previous year. The post card was designed as a reminder to those who may have forgotten to renew their AsMA membership and as encouragement to those who may have allowed the memberships to lapse but wanted to rejoin. As a result of this post card mailing, AsMA returned approxi-

mately 12 members. Other ideas for improving membership renewals and increasing memberships are being discussed for 2018.

As of this morning, total registration for this meeting is 1,445, compared to 1,506 at the same time for the 2017 meeting. Of that total, 1,324 were registered in advance of the meeting and 121 attendees registered here on site. This represents a decrease of 61 attendees or 4% below the 2017 meeting in Denver. Revenue from our Annual Scientific Meetings represents a large portion of our annual operating budget.

AsMA Executive Committee approved the expenditure of \$9,400 for a one-year subscription to Survey Monkey Apply. This new application offered scholarship and award applicants an online system for submitting their applications and required documentation. Survey Monkey Apply also allowed AsMA to assign reviewers for each scholarship and award who were automatically notified when a new scholarship or award application had been submitted. Re-viewers were able to view the applications and uploaded documents online and score the scholarship or award application online. Working with the AsMA HQ Staff, all scholarships and AsMA awards were reviewed and decided digitally rather than via PDF files. Feedback from applicants and reviewers indicated the Survey Monkey Apply system was much better than the cumbersome process of sharing PDF files. The Survey Monkey Apply system did offer some challenges though. As a result, I have been in contact with another company, OpenWater, that offers a similar system. The OpenWater system could be used for AsMA awards, scholarships, scientific abstract management, and to replace the very cumbersome AsMA Fellows form. Pam Day and I have both received demonstrations of the system and we have both communicated with similar associations that have been using the OpenWater platform. Based upon our review of the OpenWater system, we recommended the AsMA Council approve the \$13,000 expenditure.

As a 501(c)(3) charitable organization, the Aerospace Medical Association may solicit for donations as part of its operations. AsMA is registered to operate within the Commonwealth of Virginia but has members in nearly every U.S. state. Each state within the U.S. has different requirements for soliciting donations from their residents. Most exempt charitable organizations that operate under Section 501(c)(3) of the Internal Revenue Service to solicit donations without registering with the state as long as those solicitations are only applied to members of the Aerospace Medical Association. A few states required 501(c)(3) charities to register with the state and annually report solicitation activities even if those solicitations were limited to AsMA members. I am pleased to report that AsMA has applied with all of the states requiring registration and we have been approved by most.

Finally, I am required to report the Aerospace Medical Association financial status for 2017. I will leave the details to our Treasurer to explain but I am pleased to report that our 2017 financial records completed a full audit by Gross Mendolsohn & Associates, P.A. on April 26, 2018. According to the Audit Report, "The financial statement disclosures are neutral, consistent, and clear. We encountered no

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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."

GOVERNANCE (Vermeiren)

Nominating Committee (Scarpa): Kris Belland provided the slate of officers for vote: President-Elect, Hernando "Joe" Ortega; Vice Presidents, Jim DeVoll and Charles DeJohn; Treasurer: Nareyda Sevilla; and Members at Large: Cheryl Lowry, Peter Lee, Patricia MasSparran, and Eduard Ricuarte. The slate of officers was accepted unanimously.

Bylaws Committee (Baisden): No Bylaws changes this year!

Treasurer's Report (DeVoll): We are very fiscally solvent. The data from this report is taken from our CPA, Susan Barnes, who does a wonderful job providing statements throughout as well as from UBS Financial Services.

For the past year, our net income was \$117K excess profits, highest total net ever, but more expenses within budget. This includes revenue but also includes depreciation and potential value of assets, not just liquid assets.

For 2017, our ordinary income was \$125K with excess profits/excess ordinary revenues exceeding performance since 2010. This number does not include potential value and potential loss, only real assets. This is income versus expenses.

For the past several years, we have experienced profitable Annual Scientific Meetings. Our income for the 2017 Annual Scientific Meeting was \$460K.

We had losses in the area of membership general revenues and for the journal general revenues. However, these are offset by the revenues generated by other activities and they are part of the organization's core as a scientific association. They are well managed by the home office.

Our reserves have been largely managed through our investment firm -- UBS Performance. For 2010, our investment portfolio baseline was \$649K. For 2017, we had \$906K in our UBS portfolio. Since 2010 we have contributed a net of \$55K to the portfolio. Overall we have experienced a consistent growth at 6% or greater per year.

Bottom line for AsMA earnings -- in 2014 we had a \$82K net gain, in 2015 it was \$113K, in 2016 it was \$155K, and in 2017 it was \$117K. Including our building and UBS assets, our total estimated reserves are between \$2.56M and \$3.81M.

Our original strategic financial goals have been met, but the ExCom and the Council are looking at future strategic goals.

President's Reception

The President's Reception was sponsored by Harvey Watt & Co., represented by Sean Daigre (left) and Robin Alston (right) with AsMA President Dr. Valerie Martindale.

2018 AsMA Council & Scientific Program Meetings

Wednesday, November 28, Crowne Plaza, Old Town Alexandria: AsMA Council Meeting

Thursday & Friday, November 29 & 30, Crowne Plaza Old Town Alexandria: AsMA Scientific Program Committee Abstract Review Session followed by the AsMA Scientific Program Committee Wrap-Up

Our investment strategy is good now, especially within concerns from the current market. We have matured our financial management system to be consistent with the activities of the Association.

REPRESENTATION AND ADVOCACY (Alex Garbino)

Resolutions Committee (Douglas Boyd): We have sent out 5 resolutions this year for review. They have gone forward for voting to the general membership.

EDUCATION AND RESEARCH (DeJohn)

Science and Technology Committee: For anyone interested in the gap analysis project, we have ongoing meetings, but had our first general meeting yesterday

History and Archive Committee: AsMA archives have been determined to stay at Wright State University by the AsMA Council.

Education and Training Committee: "This is Aerospace Medicine" slides are now updated and will be on the website shortly. The committee also created information on the BasicMed program and will be posted on our website by the communications committee.

MEMBER SERVICES (Dalitsch)

The Corporate and Sustaining Committee brought on several new corporate members this year.

Membership meeting will take place after this meeting in the Emerald room.

Awards Committee: Jeff Myers is handing it over to Cheryl Lowry.

INTERNATIONAL SERVICES (Vermeiren for Volker Damaan)

We are on track for the next joint ASMA/ESAM scientific program in Prague in Sept. We are working on the 2020 Paris joint meeting. We will likely have ICASM/ESAM/ASMA as well as the French Association joint meeting as the first truly international meeting.

Report of the AsMA Foundation (Broadwell): The Foundation manages donations to provide grants and scholarships. The Foundation is growing nicely -- \$408K in the fund. Some open, but most money directed at specific scholarships and activities. This combined with donations made it possible for two recipients of the Anita Mantri Ph.D. Memorial Scholarship. We provided a budget for the annual Trumbo Run/Walk.

Old Business: None

New Business: None

Adjourn: The meeting adjourned at 12:51 p.m.

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



2018 Richard "Dick" Trumbo 5K Preventive Medicine Run/Walk

The Trumbo 5K Run was held the morning of Monday, May 7. The winners were: 1st place overall, Monika Rausch (left column, top photo) with a time of 18:51; 2nd place women's, Nathalie Duvigneaud (left column, bottom photo) with a time of 20:06; 2nd place men's, Alex Wolbrink (right column, top photo) with a time of 19:43; and 3rd place men's, Mark Cairns (right column, bottom photo) with a time of 20:52. Not shown are Karen Ong, 3rd place women's (23:16), and Rahul Saresh, 1st place men's (19:36). The awards were given out by Valerie Martindale.



Trivial Pursuit Team Battle & the RAM Bowl

The winning trivia team from the 100th Anniversary of Aerospace Medicine celebration Trivial Pursuit Team Battle is shown below from left to right: Rod Borgie, Chris Backus, Alex Garbino, and Tarah Castleberry are flanked by Al Parmet on the left and Jeff Sventek on the right. The celebration was held Tuesday, May 7.

UTMB's team (shown to the left) were the winners of the RAM Bowl held Wednesday, May 8.



Speed Mentoring



Two sessions of speed mentoring took place during the Annual Scientific Meeting. The first was on Monday, May 7, in the afternoon, and the second was on Wednesday, May 9, in the morning.

Space Medicine Association Jeff Myers Young Investigators Award

The Space Medicine Association (SMA) Jeff Myers (JM) Young Investigators Award (YIA) is a competition intended for those making their first major efforts into Aerospace Medicine Research.

To compete for this award, contestants must be making their first presentation of a scientific paper or poster at an AsMA meeting (excluding cases presented at Grand Rounds as a student resident); they must appear as first author on the paper; and they must prepare and submit a manuscript for judging. Finalists compete in a second phase of competition at the AsMA meeting, involving further evaluation of their presentation and interviews.

The potential applicability of the findings to Space Medicine and the degree of involvement of the student in the project are major considerations. I would like to thank the members of the YIA committee: John Darwood, Lloyd Tripp, Cathy Dibiase, Tom Hoffman, and Steve Guyton.



Jeff Myers (right) presents the Young Investigators Award to Jeremy Sieker (left).

The finalists in this year's competition, selected from 163 potential contestants, are richly talented and diversified (listed later in this article).

The winner of the 2018 SMA JM YIA is Jeremy Sieker. His paper is entitled "Assessing the Completeness of Medical Data in the Lifetime Surveillance of Astronaut Health". This data is, of course, very important to us in helping to chart our course forward in Space Exploration. Jeremy has nurtured an interest in the Space program from an early age, since his grandfather worked on the Saturn V and his uncle was a U2 pilot. He is a skydiver and is working on his pilot's license. Jeremy completed this project as an undergraduate intern in the USBRI-NASA JSC program, also working with KBRwyle. His mentor on this project, Mary van Baalen, Ph.D., won the Society of NASA Flight Surgeons Lovelace Award this year. Jeremy is currently a student in the M.D./Ph.D. program at UC San Diego and plans to later pursue an Aerospace Medicine residency.

The first runner up is Capt. Craig Nowadly, M.D., an Air Force Academy grad now in Emergency Medicine residency at Travis AFB/UC Davis, and mentored by former YIA winner Rebecca Blue, M.D. He presented a paper entitled: "A preliminary Study of U.S. Air Force Pilot Perceptions of the Pilot-Flight Surgeon Relationship". The second runner up is Christopher Dooley, a Biomedical Engineer from the USAF Research Laboratory at WPAFB. His paper is titled: "Viability of Pulse Oximetry in Modern Airframes". Honorable Mention went to Sheyna Gifford, M.D., from Washington University St. Louis School of Medicine. Sheyna just completed a one-year mission as a crewmember of the High Seas biodome Mars simulation habitat.

Additional Finalists include: Mathias Aebi, a Ph.D. candidate from the University of Lausanne, Switzerland, in collaboration with the Swiss AF; LCDR Seunghwan Shin, Ph.D., Korean Air Force Academy (formerly also with the Korean Naval Academy); Capt. Liang Jie Cheock, M.B.B.S., Singa-

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pore Air Force; and LCDR Gabriel Gizaw, M.D., a NAMI RAM at Pensacola, FL.

While another memorable meeting draws to a close, former Young Investigator Rahul Suresh won the Ward Award, former Young investigators Alex Garbino and Carla Ledderhaus were elected AsMA Fellows, and a new generation of Young Investigators continues to make their mark toward the challenges of Space Exploration. Remember, if you want to do more than just exist, you must have a dream. Dream well and make a difference.

K. Jeffrey Myers, M.D.

Space Medicine Association 2018 Awards



The SMA Lifetime Achievement Award was presented to James M. Vanderploeg, M.D., M.P.H., by SMA president John B. Charles.



The Jeffrey P. Sutton Scientific Achievement Award was presented to John B. Charles, Ph.D. (left), by Jeffrey P. Sutton (right).

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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)



Michael R. Barratt, M.D. (right), received the President's Award from Space Medicine Association President John B. Charles, Ph.D. (left). Dr. Barratt was unable to attend the SMA meeting this year, so the award was presented in Houston.



Charles Mathers (left) presented the Space Medicine Association Journal Publication Award to Eric Friedman, M.D. (right), for his role as first author of the article "A Psychiatric Formulary for Long-Duration Spaceflight" [AMHP 2017; 88(11):1024-1033]. His co-author was Rebecca Blue.



Incoming SMA President Joe Dervay (right) presented outgoing President John Charles (left) with the Past President's plaque and gavel.

Space Medicine Association 2018 Scholarships



The SMA Scholarship for Outstanding Student of Space Medicine was presented to Andrew Kozminski (middle). It is sponsored by KBRwyle, represented by Michelle Friedman (right) with Charles Mathers (left).



The SMA Scholarship, sponsored by Jeffrey R. Davis, was awarded to Emily Stratton, D.O. (right), by Charles Mathers (left).

Society of NASA Flight Surgeons 2018 Awards



Above: Sean Roden, outgoing President of SNFS (left), presents a memento to Jack Lousma (right), the guest speaker at SNFS's luncheon.

Below: Sean Roden (right) presents an Honorary Member plaque for Mary McFather.



Sean Roden, outgoing President of SoNFS (right), presents the President's Citation to Ashot Sargsyan, M.D. (left).



Sean Roden (left), presents the Student Achievement Award to James Pavella, M.D. (right).

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Ronak Shah, incoming President of SoNFS (left), presents the Lovelace Award to Mary Van Baalen, Ph.D. (right).

Charles Joins Space Center Houston

John B. Charles, Ph.D., a Fellow of AsMA, has become Space Center Houston's first scientist in residence. A 33-year veteran of NASA, Dr. Charles was formerly the Chief Scientist of the Human Research Program at NASA Johnson Space Center. In his new position, he will assist in producing exhibits, presentations, experiential activities, and curriculum using the latest space research. His career at NASA and enthusiasm for space allows him to demystify spaceflight for the general public. He will also regularly appear on the Thought



Leader Series to speak about current endeavors, historic milestones, and the future of space exploration. To read the complete press release, please visit Space Center Houston's site at <https://spacecenter.org/scientist-in-residence/>.

News of Members

Dr. Syeeda Uzma Khan, an Airline Aviation Medicine Advisor designated by the Pakistan Civil Aviation Authority and currently working as an Aeromedical Director/Senior Flight Surgeon for a private airline of Pakistan in KHI, was recently designated an FAA AME for class 1.

In Memoriam: James W. Brinkley

AsMA was saddened to learn that James Brinkley died in July 2018. A Fellow of AsMA and recipient of both the 1982 Eric Liljencrantz Award and the 1995 John Paul Stapp Award, Mr. Brinkley also received the 2004 Louis H. Bauer Founders Award.

Mr. Brinkley began his research career with the Aerospace Medical Laboratory at Wright-Patterson Air Force Base in 1958 after his graduation from the Ohio State University. His research defining human impact exposure limits and means to provide crew protection during emergency crew escape was used in the development of the NASA Project Mercury spacecraft and for the development of the first encapsulated



crew escape systems used in the B-58 and XB-70 aircraft. He also developed aeromedical design criteria for the first whole-cockpit escape system, which was used in the F/FB-111 aircraft. His experimental efforts created the technology base for the Project Gemini ejection seats and Project Apollo Earth and Moon landing systems. Other research efforts led to a major reduction of spinal injuries resulting from ejections from the F-4 aircraft. His research was also the key to the development of improved design and performance evaluation criteria for the highly successful ACES II ejection seat, now used in all contemporary U.S. Air Force aircraft.

In 1970, Mr. Brinkley became a branch chief within the Biodynamics and Bioengineering Division of the Aerospace Medical Research Laboratory. He planned and directed research at Wright-Patterson and Holloman Air Force Bases, where he carried out a pioneering series of impact tests with volunteer subjects to demonstrate the safety of the first automotive passenger air bag restraint system. His technical accomplishments include development of the first analytical method to evaluate the risk of injury due to multi-axial acceleration and development of numerous Air Force, national, and international standards for personnel protection equipment design and evaluation. In 1986, his analytical capabilities were used in the investigation of the Challenger accident.

In 1988, he was appointed to the Air Force Senior Executive Service and became Director of the Biotechnology and Bioengineering Division of the Aerospace Medical Research Laboratory. From 1990 to 1997, he was the Director of the Crew Systems Directorate of the Armstrong Research Laboratory, and from 1997 to May 2003, he was Director of the Human Effectiveness Directorate of the Air Force Research Laboratory.

Mr. Brinkley has held many important offices, including president of the SAFE Association and the International Society for Fall Protection, and more recently, was the chair of the Human Systems Technology Area for the U.S. Department of Defense. After retiring from the Air Force, he joined the Biodynamic Research Corporation in San Antonio, TX, as Director of Research. He retired from that position in 2006 and, in 2007, became a Consultant for Aerospace Management and Technical Advisory Service in Kettering, OH.

Mr. Brinkley was a prolific author, publishing more than 75 journal articles, technical reports, and book chapters on the human response to impact acceleration, vibration, and wind blast as well as the development of military and civilian personnel protection technologies. He received numerous honors and awards. In 2001, he was inducted into the International Safety and Health Hall of Fame of the National Research Council. In 2003, he received the Air Force Outstanding Civilian Career Service Award, and the President of the United States conferred on him the rank of Meritorious Executive in the Senior Executive Service for his sustained superior accomplishments.

Read Current News Online!

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

New Members

The Association welcomes 26 new members in August:

- Ali, Faieq; Manchester, United Kingdom
- Brown, Martha; Cumming, GA, United States
- Chiarini, Giovanni; Poncarale, Italy
- Franks, Sarah; Evanston, IL, United States
- Fry, Philip; Roswell, NM, United States
- Gibbs, Shinei; Boca Raton, FL, United States
- Goumeniouk, Natasha; Kingston, Ontario, Canada
- Hendahewa, Janaka; Tarneit, Victoria, Australia
- Holden, Darell; San Antonio, TX, United States
- Johnstone, Gregory; Dartmouth, Nova Scotia, Canada
- Meera, Meer Ahmad; Jenjarum, Malaysia
- Mitsumaru, Atsuhiro; Tsukuba-shi, Japan
- Murdock, Louis; Boise, ID, United States
- Naftalovich, Daniel; Tenafly, NJ, United States
- Ney, Hannah; Fort Collins, CO, United States
- Nieto, Bryant; FPO, AE, United States
- Rackerby, Robin; San Diego, CA, United States
- Salvetti, Paola; Dubai, United Arab Emirates
- Sawyer, Aenor; San Francisco, CA, United States
- Scripture, Benjamin; Pensacola, FL, United States
- Smith, Cory; Lincoln, NE, United States
- Swinson, Karl; Fort Rucker, AL, United States
- Teague, Nathan; Colorado Springs, CO, United States
- Tucker, Alicia; Sandy Bay, Tasmania, Australia
- Vecchio, Paul; Greer, SC, United States
- Vuorio, Alpo; Helsinki, Finland

NEWS OF CORPORATE MEMBERS

Exhibitors at AsMA 2018: There were 31 exhibitors at this year's AsMA Annual Scientific Meeting in Dallas. Of these, 8 (>25%) were Corporate Members. From top left to bottom right on this page they are: the Aerospace Medicine Residency Program at UTMB, Environics Inc., Environmental Tectonics Corporation, Go2Altitude (Biomedtech Australia), and KBRwyle. All photos by Pamela C. Day. A photo gallery is available at: <https://aeromed.smugmug.com/Meetings/2018-89th-Annual-Scientific-Meeting-Exhibitors/>.



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The rest are pictured on the next page; please see 'Corporates,' p. N57

Pictured on this page, top to bottom, are Konan Medical USA, Medaire Inc., and the Monash University Aviation Medicine Unit.



SAVE THE DATES!

Sept. 27-29, 2018; **Civil Aviation Medical Association (CAMA) Annual Scientific Meeting**; Captain Hook Hotel, Anchorage, AK. Contact CAMA at civilavmed@aol.com; by telephone at 770-487-0100; or see the [Schedule of Events](#).

Nov. 11-15, 2018; **ICASM 2018**; Millennium Hilton Bangkok, Bangkok, Thailand. For more information or to register, please visit <http://icasm2018.com/>.

Mayo Clinic Receives Top Score from Disability Equality Index

Mayo Clinic has again received a top score on the Disability Equality Index, or DEI, and designation as a 2018 Disability Equality Index Best Place to Work. This is the third consecutive year that Mayo Clinic has been a top scorer on the annual benchmarking survey. In addition to Mayo Clinic, 94 companies scored 100 on the 2018 index. In its application, Mayo Clinic highlighted the addition of: a full-time diversity recruitment specialist focused on recruiting and retaining people with disabilities; the creation and consolidation of key messages and resources around disability awareness; the Return to Work program, which is a section dedicated to helping medical recovery by utilizing work as therapy in an environment focused on communication, collaboration, and respect; and available accessibility and accommodation services.

—Please see <https://newsnetwork.mayoclinic.org/discussion/mayo-clinic-again-named-among-disability-equality-index-best-places-to-work/> for the entire press release.

SAA Voted Best Airline Staff in Africa

South African Airways (SAA) once again won the 'Best Airline Staff in Africa' award at the annual World Airline Awards hosted by Skytrax held in mid-July in London. In SAA's sixth triumph, this award recognizes service excellence covering a spectrum of front-line customer service touch points, highlighting SAA's rating as offering the best service in terms of airport staff and onboard experience. The awards rate customer satisfaction across staff service efficiency, friendliness, hospitality, language skills, and overall quality consistency across front-line staff. Under the category 'Best Airline Staff in Africa,' SAA also won for Best Business Class Lounge in Africa, Best Cabin Crew in Africa, and Best Airline Cabin Cleanliness in Africa. SAA also retained its 4-Star rating for the 16th year, a seal of quality approval awarded to airlines supplying good quality performance across a range of rating criteria.

—Please visit <https://www.flysaa.com/about-us/leading-carrier/media-center/media-releases/newsroom#> for more.

ALPA Urges Lawmakers to Integrate Commercial Space Operations

Testifying before the Aviation Subcommittee of the U.S. House Transportation and Infrastructure Committee, Capt. Tim Canoll, president of the Air Line Pilots Association, Int'l (ALPA), urged Congressional leaders to begin work now to ensure that commercial space operations are safely integrated in the national airspace, and that safety remains the highest priority for the Federal Aviation Administration (FAA). For both commercial aviation and space operations, future growth and success are dependent upon safe and efficient access to the same shared public resource—the national airspace system (NAS). Since commercial airline pilots have the unique advantage of being daily users of the NAS, ALPA has an important role in the integration of space transportation operations into commercial aviation infrastructure and operations. This role as a key stakeholder is why ALPA published a new white paper, Addressing the

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Challenges to Aviation from Evolving Space Transportation, providing input and recommendations on steps necessary for the continued safe operations of airplanes and spacecraft, with a focus on prioritizing the safety of the flying public and crews.

—Please visit <https://www.alpa.org/news-and-events/news-room/2018-06-26-commercial-space-transportation> to read more.

Upcoming FAA AME Seminars

| <u>Dates</u> | <u>Location</u> | <u>Seminar Type</u> |
|-------------------|-------------------|---------------------|
| Aug. 10-12, 2018 | Washington, DC | Refresher |
| Sept. 21-23, 2018 | Denver, CO | Refresher |
| Sept. 27-29, 2018 | Anchorage, AK | CAMA |
| Oct. 22-26, 2018 | Oklahoma City, OK | Basic |

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

AMAS: The President and CEO of the Aviation Medicine Advisory Service (AMAS), Dr. Quay Snyder, attended the Aerospace Medical Association's 89th Annual Scientific Meeting in May. He co-chaired three panels and attended several Constituent meetings. For more on AMAS, visit their news section at <https://www.aviationmedicine.com/amas-notams/latest-amas-news/>.

NKI: NeuroKinetics' (NKI's) I-Portal system was used to test U.S. diplomats who returned from Cuba with mysterious symptoms. Among others, experts at the University of Miami, the University of Pittsburgh, and Neuro Kinetics employed I-Portal® technology as they sought objective evidence of neurological deficits and tried to understand their nature so that potential causes could be better hypothesized. Please visit <https://www.neuro-kinetics.com/project/cuba1/> to read more.

MEMBERS

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