

DeJohn elected President-Elect of AsMA; Ortega Becomes 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. He earned his D.O. degree from Oklahoma State University College of Osteopathic Medicine and Surgery in 1983. He interned at Metropolitan General Hospital in Pinellas Park, FL, from 1983–1984, and then was an Emergency Room physician there. From 1984 until 1992, he was a Medical Officer at Naval Aerospace Medical Research Laboratory (NAMRL) in Pensacola, FL, and became a Medical Quality Assurance Coordinator at NAMRL from 1987–1992. He completed his M.P.H. from the University of Alabama in 1990. He later completed the Aerospace Medicine Primary Course at the U.S. Air Force School of Aerospace Medicine, Brooks AFB, TX, in 1999. 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 Dr. DeJohn’s term); **Secretary:** Kathryn Hughes, M.D., M.P.H., DAvMed.; **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.

In Memoriam: Dr. John R. Dille

The Aerospace Medical Association was saddened to hear of the death of John R. “Bob” Dille, M.D., Past President and Fellow of AsMA. A native of Pennsylvania, Dr. Dille earned a B.S. from Waynesburg College in 1952, then his M.D. degree from the University of Pittsburgh in 1956. He graduated from the USAF Primary Course in Aviation Medicine at Randolph AFB, TX, in 1957. He spent the next 2 years as Chief of the Aviation Medicine Section at the USAF Hospital in Loring AFB, ME. From 1959–1961, he attended Harvard University, where he earned an M.I.H. degree in 1960, and received training to become a USAF Flight Surgeon. He became Program Advisory Officer at the Civil Aeromedical Research Institute, OK, in 1961. Until 1965, he also served as Acting Chief of the Aeromedical Clinical Services Division, Acting Director of the Aeronautical Center Medical Clinic, and Regional Flight Surgeon for the FAA’s Western Region. He returned to Oklahoma City to become Manager of the Federal Aviation Administration’s (FAA’s) Civil Aeromedical Institute. He retired from the FAA in 1987.

Dr. Dille was commissioned in the U.S. Army National Guard in 1976 as a flight surgeon and served as State Surgeon from 1990–1991, retiring as a Colonel in 1991. He was Associate Professor at the University of Oklahoma from 1961–1998, Director of Residency in Aerospace Medicine from 1967–1972, Medical Director of the Oklahoma Department of Corrections from 1990–1993, a part-time clinician there from 1993–2002, a Physician at the Cleveland Co. Jail in Norman, OK, from 1994–2002, and a Surveyor for the National Commission on Correctional Health Care from 2000–2004.

Dr. Dille published over 225 papers, book chapters, and articles, including many articles for *AG Pilot*, which were republished in the AsMA journal. For over two decades, he lectured regularly to airmen, flight instructors, accident investigators, and aviation medical examiners on the subjects of aircraft accident investigations, aviation toxicology, and aviation physiology. He was involved in establishing physiological training programs for civilian pilots at the FAA, U.S. Air Force, U.S. Army, U.S. Navy, and NASA, and had developed and built 85 portable Barany-type chairs and trained accident prevention specialists in their use. Additionally, he held a private pilot license and piloted hot air balloons.

Dr. Dille was Board-Certified in Aviation Medicine by the American Board of Preventive Medicine, and his honors included the USAF Commendation Medal, the U.S. Army Meritorious Service Medal, the Oklahoma Distinguished Service Medal, the Army National Guard’s Flight Surgeon of the Year award, and being named Master Flight Surgeon by the Army National Guard. He was a member of the International Academy of Aviation and Space Medicine and a Fellow of the American College of Preventive Medicine. He was awarded AsMA’s 1978 Theodore C. Lyster Award, 1987 Harry G. Moseley Award, and 2008 Marie Marvingt Award, and had served as Chair of AsMA’s History and Archives Committee, as President of AsMA (1992–1993), and gave the Harry G. Armstrong Lecture in 1997. He was also awarded the Society of U.S. Army Flight Surgeons Order of Aeromedical Merit.

“Ever Upward”

For the latest AsMA News please read our Newsletter “Ever Upward” online at:
<http://www.asma.org/news-events/asma-news-archive/newsletters>

AEROSPACE MEDICAL ASSOCIATION HONORS NIGHT AWARDS Las Vegas, NV, May 9, 2019

Roland Vermeiren, M.D., President of the Aerospace Medical Association, presented 20 awards to outstanding members during the Honors Night ceremonies at the 90th Annual AsMA Scientific Meeting, May 9, 2019, at the Rio All Suite Hotel, Las Vegas, NV. Cheryl Lowry, M.D., Chair of the Awards Committee and Jeff Myers, M.D., Past Chair, read the citations, assisted by Allen J. Parmet, M.D., and Tracy Dillinger, Psy.D. The names of the awards' sponsors and representatives, when present, are printed in parentheses.

All photos by Pamela C. Day



LOUIS H. BAUER FOUNDER'S AWARD
Michael A. Berry, M.D.
(Steven Altchuler, Mayo Clinic)



ADMIRAL JOHN C. ADAMS AWARD
James De Voll, M.D.
(Tim LaVan, Society of US Naval Flight Surgeons)



BOOTHBY-EDWARDS AWARD
Eduard Ricaurte (Michael Berry accepts)
(Charles DeJohn for Harvey W. Watt & Co.)



DAVID M. CLARK AWARD
Mayo Clinic, Robert Haddon, M.D., accepts
(Dick Leland, Aerospace Medical Association)



JOHN ERNSTING AWARD
John Caldwell, Ph.D.
(George Anderson, Environmental Tectonics Corporation)



KENT K. GILLINGHAM AWARD
Dwight Holland, M.D., Ph.D., M.S., M.S.E.
 (Erich Roedig, AMST)



WALTER AND SYLVIA GOLDENRATH AWARD
Lt. Col. Thomas Massa, USAF
 (Kim Broadwell, AsMA Foundation)



WON CHUEL KAY AWARD
Gordon Cable, M.B.B.S., ACCAM, PGDipAVMed
 (Young Hwan Kwon, Aerospace Medical Association of Korea)



JOE KERWIN AWARD
Tina Bayuse, Pharm.D., R.Ph.
 (Michelle Frieling, KBR)



MARY T. KLINKER AWARD
David O'Brien, M.D., M.P.H., C.P.E.
 (George Beck, ZOLL Medical Corporation)



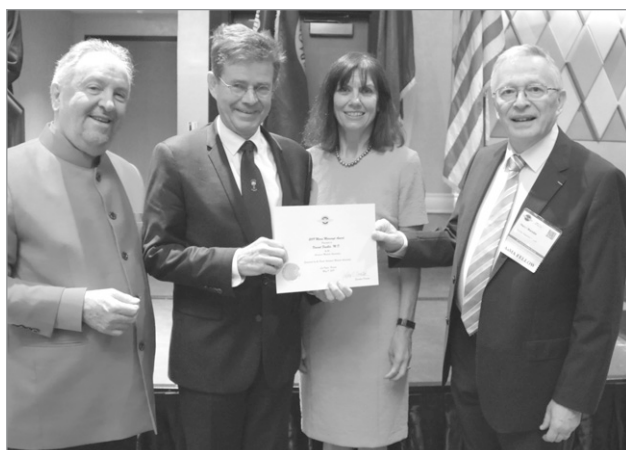
ERIC LILJENCRANTZ AWARD,
Thomas Smith, M.B.B.S., D.Av.Med., D. Phil.
 (Allen Parmet for Aerospace Medical, PLC)



RAYMOND F. LONGACRE AWARD
Quay Snyder, M.D., MSPH
 (Ilaria Cinelli, Aerospace Human Factors Assoc.)



THEODORE C. LYSTER AWARD
Stephen Goodman, M.D.
 (Mark L. Jacques, Army Aviation Medical Association)



MARIE MARVINGT AWARD
Vincent Feuille
 (Henri Marotte and Brigitte Guidez, President of the Société Francophone de Médecine Aéronautique)



HARRY G. MOSELEY AWARD
John Barson, D.O., M.P.H.
 (James T. Webb, International Association of Military Flight Surgeon Pilots)



JOHN PAUL STAPP AWARD
Barry Shender, Ph.D.
 (Bob Laurent, Environmental Tectonics Corp.)



JOHN A. TAMISIEA AWARD
David G. Schall, M.D., M.P.H.
 (Warren Silberman, Civil Aviation Medical Association)



THOMAS J. AND MARGARET D. TREDICI AWARD
Karina Marshall-Goebel, Ph.D.
 (Kim Broadwell, AsMA Foundation, and Douglas Ivan,
 Tredici Endowment Fund)



ARNOLD D. TUTTLE AWARD
Ian P. Curry, B.M.,B.S., M.Sc., D.Av.Med.
 (Michelle Frieling, KBR)



JULIAN E. WARD MEMORIAL AWARD
Moriah Thompson, M.D., M.P.H.
 (Patricia MacSparran, Society of USAF Flight Surgeons)



PRESIDENT'S CITATION: Felix Porras, M.D., Chair of the GLOC (Global Liaison and Outreach Committee), receives the President's Citation from Dr. Vermeiren for his work in helping organize the committee into global regions.



CHANGING OF THE GUARD—(Above left) Incoming President Hernando "Joe" Ortega embraces outgoing President Roland Vermeiren. (Above center) Roland's wife, Emily, pins him with the Past President's Pin. (Above right) Dr. Ortega presents Dr. Vermeiren with a gift of a ship's clock as a memento of his years of service. (Right) In a tradition from Belgium, home of Dr. Vermeiren, genever, a gin-like drink made from juniper berries, is shared and a toast given to honor Dr. Vermeiren.

For more photos from Honors Night, including a visit from Elvis, please go to the AsMA photo galleries at: <https://aeromed.smugmug.com/Meetings>



Minutes of the Aerospace Medical Association 90th Annual Business Meeting

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



Vermeiren



Sventek

Call to Order (Roland Vermeiren) A quorum for the meeting was established at 12:07 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 and be recognized.

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 (Jeff Sventek): Mister 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 membership 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 atten-

dees 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 to 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-fellowship-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 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 (Denise 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 (David 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 (Nerida 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 (Chuck 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 (Volker 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



BAUER LECTURE—On Monday, May 6, 2019, Jan Wörner (right) gave the 65th Bauer Lecture: "Human Exploration...and its Consequences". Educational support was provided by KBR, represented by Michelle Frieling (center). Mr. Wörner is Director General of the European Space Agency. The full lectures can be viewed online: <https://www.asma.org>.

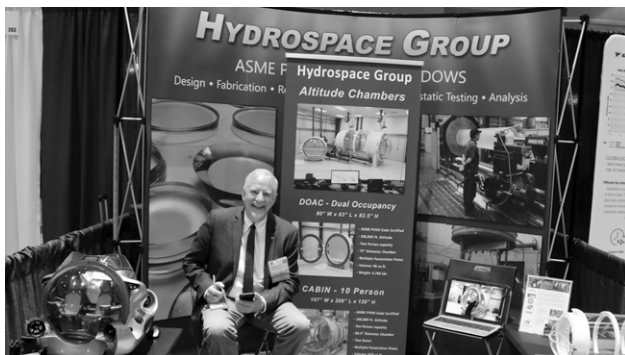


REINARTZ LECTURE—On Tuesday, May 7, 2019, Prof. dr. Floris Wuyts, Ph.D., (right) gave the 6th Annual Reinartz Lecture: "The Impact of Microgravity and Hypergravity on the Human Brain Studied with Advanced MRI Methods." Dr. Wuyts is a professor at the University of Antwerp as well as head of AUREA (Antwerp University Center for Equilibrium and Aerospace).



ARMSTRONG LECTURE—On Thursday, May 9, 2019, Adriaan Heerbaart (center) gave the 54th Armstrong Lecture: "Navigating the European Skies: Money Makes the World Fly Safer!" Environmental Tectonics Corporation represented by Bob Laurent (right) provided the educational support. Mr. Heerbaart is Director of the Central Route Charges Office for EUROCONTROL.

Corporate Members Exhibiting at AsMA 2019 Annual Meeting



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. From top left to bottom right they are: Aerospace Medicine Residency Program at UTMB, Environics Inc., Environmental Tectonics Corporation, Go2Altitude (Biomedtech Australia), Hydrospace Group, KBR, Konan Medical USA, Monash University Aviation Medicine Unit, and Pilot Medical Solutions. Medlock Consulting (right) 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/>