# Ever Upward
## July 2025

## 2025 Award Winner of the Aerospace Medical Association

Honors Night Ceremonies of the 95th Annual Scientific Meeting of the Aerospace Medical Association were held June 5, 2025, at the Hyatt Regency Atlanta, Atlanta, GA. Presented were 21 awards for outstanding contributions in aerospace medicine and human performance (the Stapp Award was not presented). The presentations were made by Dr. Robert Orford, President of the Aerospace Medical Association, assisted by the chair of the Awards Committee, Mark Sheehan, M.D. The winners were recommended by the Awards Committee and approved by the Executive Committee of the Aerospace Medical Association.

### LOUIS H. BAUER FOUNDERS AWARD
### George K. Anderson, M.D., MPH, Maj. Gen., USAF, MC (Ret.)

*This award was established to honor Louis H. Bauer, M.D., founder of the Aerospace Medical Association. It is given annually for the most significant contribution in aerospace medicine. It is sponsored by the Mayo Clinic.*

George K. Anderson, M.D., MPH, Maj. Gen., USAF, MC (Ret.), is the 2025 recipient of the Louis H. Bauer Founders Award. He was given the award for achieving nearly every milestone that an Aerospace Medicine professional could aspire to. After specializing in Aerospace Medicine, he directed the USAF Residency in Aerospace Medicine from 1981 to 1982, earning the Julian Ward Award during his residency at the U.S. School of Aerospace Medicine. His extensive career, spanning over 50 years with AsMA, reflects a commitment to service that is exemplary within our association. He previously served as the president of the Society of USAF Flight Surgeons, being honored with the George Shafer Award. Additionally, he chaired the Education and Training Committee for 7 years and led the Program Committee for two of our Annual Meetings. He achieved the pinnacle of recognition within AsMA by becoming its President. Even after his presidency, he continued to contribute as the Chair of the Fellows Group. During his tenure, he successfully devised and implemented a committee and point calculation system that enabled deserving members to attain Fellowship status.

Dr. Anderson retired from a 30-year active duty military career and pursued organizational leadership roles as a civilian. His academic preparation included an M.D. from the University of Michigan Medical School (1971), an MPH from Tulane University School of Public Health and Tropical Medicine (1973), and National War College completion (1983). Following medical school, public health school, and a USAF School of Aerospace Medicine residency, he began his professional career as an Air Force Flight Surgeon. His military service included overseas duty in Korea and Germany as well as aerospace medicine leadership positions in the United States. Later in his military career, as Commander of the Human Systems Center, he directed Air Force organizations responsible for life science research, development, acquisition, and education. Later he served as Deputy Assistant Secretary of Defense for Health Service Operations and Readiness.

Dr. Anderson retired from active duty as a Major General and transitioned to physician executive position in the private sector. He served as the Chief Executive Officer of the Koop Foundation, Inc., and later of Oceania, Inc., a medical software company. As Executive Director of the Association of Military Surgeons of the United States, he guided the non-profit society for federal health professionals for 7 years. His awards and decorations include the Meritorious Service Medal with three oak leaf clusters, the Defense Meritorious Service Medal, the Legion of Merit, and the Distinguished Service Medal.

Dr. Anderson is a Past President and Fellow, American College of Preventive Medicine; Past President and Fellow, Aerospace Medical Association; Past Chairman, American Board of Preventive Medicine; Distinguished Fellow, American College of Physician Executives; and member, International Academy of Aviation and Space Medicine. He recently completed 8 years of service as a member and vice president of the Defense Health Board, which advises the Secretary of Defense on health matters. He is the Chairman of the Board of Directors, Environmental Tectonics Corporation, a publicly traded technology and manufacturing company creating training systems and environmental equipment. As a Trustee and Board Quality Committee Chair of the Anne Arundel Medical Center and Luminis Health, he has continued to be engaged in guiding medical care and population health delivery in Maryland.

### ADMIRAL JOHN C. ADAMS AWARD
### William B. Klein, M.D., MPH&TM, MBA

*This award was established by the Society of U.S. Naval Flight Surgeons in honor of Admiral John C. Adams. The award is given annually for the most significant contributions to operational Aerospace Medicine, either during a single defined period (e.g., deployment), or over a career.*

William B. Klein, M.D., MPH&TM, MBA, is the 2025 winner of the Admiral John C. Adams Award. He received the award for distinguishing himself among his peers and colleagues as a leader of the Aerospace Medicine community. He embodies the spirit of collaboration, open communication, and commu-

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nity in all environments and situations, allowing for safe and effective operational medical care and ultimate mission success. He has made a prolonged and significant impact on operational aerospace medicine during his 33+ years as a flight surgeon. For example, he authored the medical readiness plan for the Navy Hospital which was used during NATO's Northern Viking exercise and led the initial operational testing of the expeditionary medical support Hospital (EMEDS) prototype. He worked with higher headquarters to safely reestablish the use of dexedrine in fighter crews. He was instrumental in the stand-up of C-130 operations at Tallil Air Base in 2003 as it moved from Kuwait and established a medevac/referral system with the Army to cover the southern half of Iraq. He was key to the establishment of a fully integrated medical unit supporting the A-10 operations at Moody. His teamwork with the 23rd MDG resulted in the vaccination program in the command with zero deployment discrepancies for four deployment rotations. He was the first civilian flight surgeon allowed to make aeromedical dispositions in the Air Force.

A native of New York City, Dr. Klein has served as a U.S. Air Force Flight Surgeon for 38 years, including time on active duty, in the Reserves, as a contractor. and as a civil servant. He completed undergraduate studies in Biology with Honors at Tulane University and obtained his M.D. from the LSU School of Medicine in New Orleans while being commissioned in the Air Force through the Health Professions Scholarship Program. After completion of an internship at Cook County Hospital, he began his active-duty service with tours at Travis AFB, CA, and Keflavik Naval Air Station, Iceland, with the 57th Fighter Interceptor Squadron.

Dr. Klein completed his Public Health and Tropical Medicine training at Tulane prior to entering the Aerospace Medicine Residency at the USAF School of Aerospace Medicine, Brooks AFB. Upon completion of his Residency, he served as the Commander of the 366th Aerospace Medicine Squadron at Mountain Home, ID, before assignment to Aviano AB, Italy, as the Chief of Aerospace Medicine. In 1999 he transitioned to HQ Air Force Reserve Command serving as a branch chief then division chief until his retirement from active duty in 2008. He became a civilian flight surgeon at the 78th Medical Group and was brought out of military retirement after being designated "indispensable" by the Secretary of the Air Force, serving in the Air Force Reserve as the medical commander and flight surgeon for the 476th Fighter Group at Moody AFB, GA. He later served as an Individual Mobilization Augmentee to the 59th Medical Wing in San Antonio, TX. After leaving the Reserves in 2017, he continued to serve as a civilian flight surgeon at the 78th Medical Group, serving intermittently as Flight Medicine Flight commander and Chief of Aerospace Medicine until transitioning back to HQ Air Force Reserve Command as a Board Medical Officer in 2021.

Dr. Klein is board certified in Aerospace Medicine and Occupational Medicine and has logged over 1800 flight hours in 39 different NATO aircraft, including over 200 combat hours. He was the Chief of Aerospace Medicine for the 31 Air Expeditionary Wing at Aviano Air Base during Operation Allied Force (Air War Over Serbia) and served as the Commander of the 332nd Expeditionary Medical Group at Tallil Air Base, Iraq, during Operation Iraqi Freedom. In addition to his current work with the Air Force Reserve, he serves as the Vice Chair for Aerospace Medicine for the American Board of Preventive Medicine and on the Executive Committee for the Aerospace Medical Association, where he is a Fellow. His personal awards include the George E. Schafer Award, Legion of Merit, Bronze Star, Meritorious Service Medal with three Oak Leaf Clusters, Air Medal, Aerial Achievement Medal, Air Force Commendation Medal with one oak leaf cluster, Air Force Achievement Medal with one oak leaf cluster, and the Sikorsky Helicopter Rescue Award.

**BOOTHBY-EDWARDS AWARD**

## Clayton T. Cowl, M.D., MS

*Established in memory of Walter M. Boothby, M.D., pioneer aviation medicine researcher, and Howard K. Edwards, M.D., clinical practitioner of aviation medicine, this award is presented annually for outstanding research and/or clinical practice directed at the promotion of health and prevention of disease in professional airline pilots. (The separate Boothby and Edwards Awards were given annually 1961–73, and then alternately until 1985.) It is sponsored by Harvey W. Watt and Company.*

Clayton T. Cowl, M.D., MS, was the 2025 winner of the Boothby-Edwards Award for his innovation, clinical prowess within Aerospace Medicine, and research in altitude physiology. He has focused on the wellbeing of professional pilots and led altitude-related research in the Mayo Clinic altitude chamber where oxygen mask testing for use of the Boeing 787 (Dreamliner) was completed, and was instrumental in the development of the A-14 mask for pilots. He conceived and promoted the Mayo Clinic ProPilot program, an effort to unify guideline-based preventive health screening and comprehensive patient care with concurrent completion of FAA flight physicals for professional pilots. He also devised and created the Mayo Clinic Clear Approach on-line consultation service that has provided dozens of aeromedical certification consultations to professional pilots who access a confidential web-based platform to inquire about acceptability of certain medications, medical conditions, and next steps for aeromedical certification. Additionally, he has provided clinical consultations to the U.S. Air Force Aeromedical Consultation service pertaining to airmen with complex or unusual respiratory conditions. In the education realm, he has participated in the Mayo Clear Approach weekly podcast that directs current aeromedical certification information and updates to pilots.

Dr. Cowl earned a BS in Chemistry at Pacific Lutheran University in Tacoma, WA, in 1988 and then received his M.D. in 1992 from Northwestern University Feinberg School of Medicine in Chicago, IL. He served a residency in Internal Medicine at the University of Iowa, Iowa City, from 1992–1995 and then earned an MS in Preventive Medicine and Environmental Health at the same college in 1996. He was a Fellow of Preventive Medicine and Environmental Health at the University of Iowa from 1995-1997 and was a Fellow in Pulmonary and Critical Care Medicine at the Mayo School of Graduate Medical

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Education, Mayo Clinic College of Medicine, in Rochester, MN.

Dr. Cowl is a senior FAA Aviation Medical Examiner at the Mayo Clinic in Rochester, MN. He served as Chair of the Division of Preventive, Occupational and Aerospace Medicine at Mayo Clinic until 2022 and holds a joint appointment in the Division of Pulmonary & Critical Care Medicine. He is a Past President of the American College of Chest Physicians (2018–2019) as well as prior President of the Civil Aviation Medical Association (2017–2019). He has been a Fellow of the Aerospace Medical Association since 2007. His other awards include a Clinical Research Award from Baxter Laboratories, the Jerry L. Pettis Memorial Award from the American Medical Association, two Clinical Research Awards from Mayo Clinic, the Glaxo Wellcome Young Investigator Award from the American College of Physicians, the Pulmonary Disease Fellows Research Award from Aventis Pharmaceuticals, the Laureate Award from the Department of Internal Medicine at the Mayo Clinic, the Innovation in Education Award from the Mayo School of Continuous Professional Development, and the Master Educator Award from the American College of Chest Physicians.

Dr. Cowl's research interests have focused on projects involving respiratory physiology and environmental aspects of pulmonary disease. Current projects include work on virtual flight physicals for pilots and proposing to the FAA Centers of Specialized Aeromedical Excellence. He has also studied a variety of occupational and environmental illnesses, including toxic inhalations and occupational asthma, and he has published epidemiological research on multiple topics including a 35-year review of hot air balloon incidents/accidents published in the *Journal of the American Medical Association* (JAMA).

### DAVID CLARK AWARD
## KBR

*This award was established by the Aerospace Medical Association to honor an AsMA corporate member who has made significant contributions to the advancement of aerospace medicine. The award is given for contributions in a single year or over a defined period.*

KBR was presented with the 2025 David M. Clark Award for their many contributions to the Aerospace Medical Association. Formerly Krug, then Wiley, KBR has been a corporate sponsor of the AsMA Annual Scientific Meetings and Constituent Societies for the past 50+ years. During such times, even under the constraints of many reduced budgets and a couple U.S. Government sequestration restrictions, KBR maintained its outstanding presence within the AsMA organization, supporting various AsMA activities and Constituents over the decades. From the "early days" at AsMA of being the sole sponsor of the opening day Welcome Ceremony to currently providing financial and personnel support to several constituent organizations, KBR has been a consistent leader in supporting AsMA activities. This support cuts across both U.S. government agencies and international aerospace organizations associated with the research and technology needs for advancing aviation and aerospace exploration. Organizations supported by KBR include the U.S. Air Force, the U.S. Navy, the U.S. Army, NASA, FAA Civil Aerospace Medical Institute, and many international governments and organizations with like interests.

### JOHN ERNSTING AWARD
## Robin Griffiths, M.B.Ch.B.(Hons.), FFOM, FACOEM, FFOM, FAFOEM, FFOM(I), FAFPHM

*Established and sponsored by Environmental Tectonics Corporation in memory of Professor Ernsting. It is given for outstanding research in altitude physiology, and/or longstanding exceptional performance in the education, development, and administration of Aerospace Medicine and related specialties.*

Robin Griffiths, M.B.Ch.B.(Hons.), FFOM, FACOEM, is the 2025 recipient of the John Ernsting Award. He received the award for establishing the world's first distance teaching program in aviation medicine with the University of Otago. He has devoted the majority of his career to leading and developing that program, which has now produced many hundreds of graduates all over the world, many of them in leading roles with airlines and civil aviation regulatory authorities as well as military medical officers. The program has expanded to encompass occupational medicine and also aeromedical retrieval and transport. Dr. Griffiths has continued to have research, teaching and professional collaborations in many different countries with a number of university appointments off-shore.

Dr. Griffiths earned his M.B.Ch.B.(Hons.) in 1978 from Bristol Medical School in South West England. He earned an FAFPHM and then an FAFOEM from RACP, Sydney, Australia, and in between was awarded an FFOM from RCP, London, United Kingdom. During this time, he was serving as Chief Medical Officer, Ministry of Transport, New Zealand. In 1989, he accepted a part-time position as Associate Professor and Director, Occupational and Aviation Medicine, where he still serves. In 1992, he took a position as Medical Advisor, Accident Rehabilitation & compensation Insurance Corporation, Auckland, a position he still holds. From 1994–1996, he was also Manager, Health Services Planning, Central Regional Health Authority. From 1996-2009, he served as Senior Medical Advisor and Acting Programme Director, National Health Committee. In 2009, he received an FFOM(I) from RACPI, Dublin, Ireland, and an FACOEM from ACOEM in the United States. He was named a FACAsM in 2012.

Dr. Griffiths is an author or co-author of four book chapters, 28 journal articles, 24 conference proceedings, and has been an invited or keynote speaker at 9 conferences. He has collaborated internationally for online CME and residency, face-to-face CME, higher professional development in Africa and the Middle East, and research supervision. His research activities include teaching and curriculum development grants for clinical skills training, occupational medicine training, and occupational health. Currently, he is also a Consultant to Etihad Airlines, Abu Dhabi, Emirates Airlines, Dubai, and BP International Health Services Division, London.

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Dr. Griffiths in a Past President of the Aviation Medical Society of Australia and New Zealand and the Australia and NZ Society of Occupational Medicine, and a Member of the Royal Aeronautical Society. He serves on the Scientific Committee of the International Academy of Aviation and Space Medicine and on the Council for Education and Academic Affairs, American College of Occupational & Environmental Medicine. He is a Fellow of the Aerospace Medical Association. His awards and honors include the Russell Cooper Anaesthetics Prize; the Honours Award to M.B., Ch.B. with Distinction in Surgery and Paediatrics; the Steward Memorial Prize, Farnborough Dip.Av.Med.; three Education Export Innovation Programme Awards plus a fourth from the University of Washington; the John Stoke Medal; and the Won Chuel Kay Award from the Aerospace Medical Association.

## KENT K. GILLINGHAM AWARD
## Torin K. Clark, Ph.D.S

*This award was established and sponsored by the AMST Group of Companies in Austria and the United Kingdom to honor the memory of Kent K. Gillingham, M.D., Ph.D. The award is presented annually to an individual who has made a significant contribution in the field of spatial disorientation and situational awareness related to flight.*

Torin K. Clark, Ph.D., is the recipient of the 2025 Kent K. Gillingham Award. He was presented with the award for his significant scientific contributions to flight through his research in both fields of spatial disorientation (SD) and situational awareness (SA). His accomplishments include research focused on quantifying the vestibular and visual influences on SD, development of non-disruptive measures of SA, and developing and assessing countermeasures to mitigate the associated performance degradations and risks to flight safety. He has significantly improved SD countermeasures development. While at the MIT Man Vehicle Lab, he built upon the human orientation perception model that continues to be an accepted standard worldwide. The empirical data from his MIT Ph.D. Dissertation research were then integrated to extend the computational model of human orientation perception, previously validated only in 1 Earth G, to hypo and hypergravity environments. This significant accomplishment led to a computational model to help design and validate motion cueing algorithms for motion-based flight simulators.

Dr. Clark is an Associate Professor in the Smead Aerospace Engineering Sciences Department. He is currently the department's Associate Chair for Department Affairs and Chair of the Inclusive Culture Committee. Within the College of Engineering and Applied Sciences, he is a member of the Inclusive Culture Council and the faculty advisor to Tau Beta Pi (Engineering Honor Society) and the Students for the Exploration and Development of Space (SEDS). He is a faculty member within the Biomedical Engineering Program and Robotics Program and a faculty affiliate of Bioserve Space Technologies. He is a principal investigator and faculty member in the Bioastronautics Laboratory, where he leads empirical and computational modeling research, advises and supervises PhD students and postdoctoral fellows, and teaches undergraduate and graduate courses related to aerospace and human factors.

Dr. Clark's BS degree is from the University of Colorado in 2008 in Aerospace Engineering with a minor in Applied Mathematics, graduating Summa Cum Laude. He completed his Masters in Aeronautics and Astronautics in 2010 at the Massachusetts Institute of Technology in the Man Vehicle Laboratory, now the Human Systems Laboratory, where he was a Charles Stark Draper Laboratory Fellow. He completed his Ph.D. in Humans in Aerospace, also from the Massachusetts Institute of Technology within the Man Vehicle Laboratory. During his Ph.D., in addition to being a Charles Stark Draper Laboratory Fellow, he was also a Boeing Fellow. Following completion of his Ph.D., in 2013, he was selected as a National Space Biomedical Research Institute (NSBRI) postdoctoral fellow in the Jenks Vestibular Physiology Laboratory in Massachusetts Eye and Ear Infirmary at Harvard Medical School. In 2015, he became an Assistant Professor in the Bioastronautics Laboratory, Smead Aerospace Engineering Sciences, University of Colorado-Boulder. He was awarded tenure and promoted to Associate Professor in 2023, a position he still holds.

Dr. Clark's honors and awards include his Ph.D. thesis being awarded the Stanley Roscoe Award for Best Doctoral Thesis from the Aerospace Human Factors Association, being twice an Office of Naval Research Summer Faculty Research Fellow with the Naval Aeromedical Research Unit Dayton, and being selected to the National Academies' Forum for New Leaders in Space Science. He has received awards for Outstanding Mentor from the CU Undergraduate Research Opportunities Program, Outstanding Junior Faculty, and Outstanding Graduate Teaching & Mentoring from the Smead Aerospace Engineering Sciences Department. In 2024, he was elected Fellow in the Aerospace Human Factors Association. He is a member of a number of professional organizations, including the Aerospace Medical Association, American Institute for Aeronautics and Astronautics, American Physiological Society, Human Factors and Ergonomics Society, International Society for Gravitational Physiology, and Texas A&M University's Centrifuge Advisory Board.

## WALTER & SYLVIA GOLDENRATH AWARD
## Peter Hancock, Ph.D., D.Sc., FAsMA

*Established in memory of CAPT Walter L. Goldenrath, MSC, USN(Ret.), this award is presented for the most significant contribution in the field of aerospace physiology. It was created at the bequest of CAPT Goldenrath and is funded by the Walter and Sylvia Goldenrath Endowed Fund.*

Peter Hancock, Ph.D., D.Sc., FAsMA, is the winner of the 2025 Walter & Sylvia Goldenrath Award for his lifetime of contributions to the understanding of the way in which physiological capacities impact cognitive performance, for the derivation of laws relating to the thresholds of response efficiency in differing orders of perceptual-motor and mental capability under elevated level of stress, and for the application of these insights into aviation and

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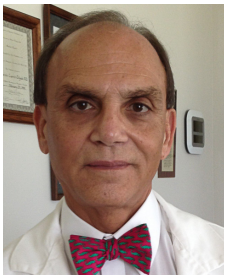
aerospace safety and enhanced productivity across nearly 50 yrs of research resulting in hundreds of relevant academic works. For more than five decades, he has contributed to aviation physiology, human factors and aerospace safety understanding of complex flight system operations under stress. He has generated fundamental empirical and theoretical insights into the relationship between stress and operator performance, most especially in the area of thermal extremes. He has demonstrated how an understanding of physiological adaptation, and the limits to such capabilities, can be directly applied to changes in response capacity, especially to extremes of demand. He is an acknowledged world leader in this critical area for all aerospace systems.

Prof. Hancock is Provost Distinguished Research Professor in the Department of Psychology and the Institute for Simulation and Training, as well as at the Department of Civil and Environmental Engineering and the Department of Industrial Engineering and Management Systems at the University of Central Florida (UCF). In 2009 he was created the 16th ever UCF University Pegasus Professor (the Institution's highest honor) and in 2012 was named 6th ever University Trustee Chair. He directs the MIT2 Research Laboratories. Prior to his current position he founded and was the Director of the Human Factors Research Laboratory (HFRL) at the University of Minnesota, where he held appointments as Professor in the Departments of Computer Science and Electrical Engineering, Mechanical Engineering, Psychology, and Kinesiology, as well as being a member of the Cognitive Science Center and the Center on Aging Research. He continues to hold an appointment as a Clinical Adjunct Professor in the Department of Psychology at Minnesota. He is also an affiliated Scientist of the Humans and Automation Laboratory at Duke University, a Research Associate of the University of Michigan Transport Research Institute, and a Senior Research Associate at the Institute for Human and Machine Cognition in Pensacola, FL. He is also a member of the Scientific Advisory Board of the Hawaii Academy.

Professor Hancock is the author of more than 1,000 refereed scientific articles, chapters, and reports as well as writing and editing more than 20 books. He was the Principal Investigator on a Multi-Disciplinary University Research Initiative in behavioral science, the first ever awarded by the U.S. Army. He was also the recipient of the first ever research grant given by the Federal Aviation Administration. He has been the recipient of many awards and honors, including being President of the Human Factors and Ergonomics Society, a position he has held twice and is only the second person to do so. He was named Distinguished Mentor of the Year by the Society for Military Psychology, won the William Collins Award of the Aerospace Human Factors Association, and was awarded the Roger Green Medal by the Royal Aeronautical Society. He was named a UCF Luminary by the University of Central Florida, received the Kent K. Gillingham Award from the Aerospace Medical Association, and won the Jeffries Aerospace Medicine and Life Sciences Lifetime Research Award from the American Institute of Aeronautics and Astronautics. His most recent awards include the Lifetime Contribution to Modelling and Simulation from the National Training and Simulation Association, as well as the extremely prestigious National Safety Council's Distinguished Service to Safety Award, its highest honor. In early 2023 he was sworn in as a second term member of the U.S. Air Force's Science Advisory Board and in the middle of the same year was named HFEWomen Mentor of the year (the first man to win any of the groups awards in the nearly 20 years of its existence) by the Human Factors and Ergonomics Society. He is a Fellow of the Aerospace Medical Association and a member of the Life Sciences and Biomedical Engineering Branch, the Aerospace Physiology Society, and the Aerospace Human Factors Association.

**JOHN D. HASTINGS AWARD**

## Herminio Cuervo-Delgado, M.D.



*Established by the Civil Aviation Medical Association to honor the memory of John D. "Jack" Hastings, M.D. The award is presented annually to an individual who has made outstanding contributions to aerospace neurology and/or cognitive science, in a single year or over a defined period, for the advancement of cognitive performance risk assessment related to flight or space operations. Open to current AsMA members who have been members in good standing for the previous five (5) years. The award may be given for achievements over one or several years.*

Herminio Cuervo-Delgado, M.D., is the 2024 winner of the John D. Hastings Award. Over 48 years, he has delivered insightful Aerospace Neurology consultations to civilian and military aviators and their organizations. His neurology skills combined with his love of aviation medicine have generated decades of distinguished service to Aerospace Neurology. He supported A-37, EC-135, F-4 and F-16 aircrew and, as Operation Desert Shield/Storm erupted, his experience with high performance aircraft aircrew led to him being the first-choice Flight Surgeon for the 614th TFS F-16, French F-1, and Canadian CF-18 squadrons. Based in Qatar, he provided Neurology care for 4000+ allied personnel, flight medicine care for his flight crews, and also volunteered to fly 43 combat hours with them. He was quickly chosen as the Chief, Neuropsychiatry Branch at the USAF Aeromedical Consult Service, where he was able to return many DOD aviators with neurological injuries to their aircraft. After Qatar, his reputation became international. He worked diligently to accept the U.S. Department of State requests to assist foreign military aviators and has capitalized on these years to mentor aspiring Aerospace Medicine Residents and Foreign Aerospace Medicine Fellows.

Dr. Cuervo-Delgado was born in Marianao, a municipality of La Habana, Cuba. A tumultuous time in Cuba led to his parents sending him to the United States through Operation Pedro Pan in August 1961. He and his family were reunited in early 1962 and relocated to Newport News, VA. He completed his undergraduate degree at the College of William and Mary in 1968 and soon thereafter became a naturalized citizen. From 1969 to 1974, he attended the University of Salamanca, Spain, where he earned his Doctor of Medicine and Doctor of Philosophy degrees. Upon graduation, he returned to the United States and was commissioned as an officer in the U.S. Air Force (USAF).

As a physician in the USAF, Dr. Cuervo-Delgado completed flight school to become a flight surgeon at Wright Patterson AFB in Dayton, OH, in 1975. After completing the qualifications to become a flight surgeon, he was selected for a residency in neurology at Harvard University. He was assigned to Wiesbaden AFB, Germany, where he worked with active-duty airmen and

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their families and supported the repatriation of hostages from the Iran hostage crisis. Returning to the United States in 1983, he moved to Miami, where he was assigned to the USAF Reserve and provided aeromedical support to the 482d Wing and 93d Squadron. He flew as a Weapons System Officer and deployed to Central America in support of the Contras in Nicaragua. He also opened a private neurology practice and completed his Master of Public Health degree at Florida International University. He returned to active duty in 1988 and served as Chief of Aeromedical Services at Torrejon Air Base, Spain. He was responsible for determining the flight status of USAF aviators in Spain, Italy, Greece, and Turkey, and provided neurology consultation to the Spanish Air Force. He deployed to Qatar and Turkey in support of Operation Desert Shield and Desert Storm, earning a Bronze Star for his service. After the conclusion of the Gulf War, he was assigned to Brooks AFB in San Antonio, TX. He was instrumental in evaluating USAF aviators who were identified as having a severe psychiatric or neurological events for fitness to return to flight status.

In 1993, Dr. Cuervo-Delgado moved to Florida where he opened a private neurology practice in Lakeland. He was a Senior Attending Neurologist at Lakeland Regional Health Medical Center, an Aviation Medical Examiner, and volunteers his time as a medical provider for the Sun 'n Fun Aerospace Expo. He is an active member of the Aerospace Medical Association, the Civil Aviation Medical Association, the American Academy of Neurology, and the American College of Preventive Medicine.

### WON CHUEL KAY AWARD
## Quay Snyder, M.D., MSPH

*Established and sponsored by the Korean Aerospace Medical Association in honor of Won Chuel Kay, M.D., the former Surgeon General of the Korean Air Force, founder and first Medical Director of Korean Airlines and first President of the Korean Aerospace Medical Association. This Award is presented annually to a member who has made outstanding contributions to international aerospace medicine.*

Quay Snyder, M.D., MSPH, is the recipient of the 2025 Won Chuel Kay Award for leading a global effort to forward the art and science of aerospace medicine through teaching, research, and mentorship. He is an innovator on safety topics globally and this year has been an invited speaker in India, Portugal, New Zealand, and China. He was appointed to the FAA Aeromedical Innovation & Modernization Working Group, chairs AsMA Mental Health Working Group, and serves on three ICAO working groups committed to aviation health with global impact across aviation professions. He has been a staunch advocate for inclusion of young aviation professionals from countries with fledgling aerospace medicine programs and a paucity of resources to provide the knowledge and tools for success and safety. As Affiliate Director for the International Academy of Aviation and Space Medicine, he leads the efforts to pair international aspiring aviation professionals to an international team of IAASM Academician mentors. He has also co-authored several high-impact papers and a textbook chapter on aviation mental health.

Dr. Snyder is President/CEO of Virtual Flight Surgeons (Aviation Medicine Advisory Service), providing medical certification and aviation safety guidance for pilot and air traffic controller unions as well as business and general aviation pilots. He has been the Air Line Pilots Association (ALPA) International Aeromedical Advisor since 2010 after serving as Associate Aeromedical Advisor since 1994. Since 2015, he has served as the FAA/ALPA Human Intervention Motivational Study (HIMS) Program Manager and has over 20 years' experience sponsoring and monitoring substance addicted pilots.

Dr. Snyder holds board certification in Aerospace Medicine, Addiction Medicine, Family Practice, and Occupational Medicine. He is a graduate of the U.S. Air Force Academy, Duke University School of Medicine, and the University of Colorado Health Sciences Center. He served in the U.S. Air Force (USAF), USAF Reserve, and Colorado Air National Guard for 25 years as a flight surgeon, glider instructor pilot, and in leadership roles. He is active in many aviation safety committees and organizations, both nationally and internationally, and is an AsMA Fellow and member of several of AsMA's Constituent and Affiliate organizations. He served on the Board of Directors of the International Academy of Aviation and Space Medicine and on the Board of Trustees of the National Aviation Hall of Fame from 2014–2020. He has chaired the National Business Aviation Associations Safety Committee's Fitness for Duty Working Group and served on both the medical expert group for the FAA's Pilot Fitness Aviation Rulemaking Committee and co-chairs AsMA's Pilot Mental Health Working Group. He also serves on several ICAO working groups, including Problematic Use of Psychoactive Substances (PUPS), Mental Health, Medical Certification and Standards, and the Collaborative Arrangement for the Prevention and Management of Public Health Events in Civil Aviation (CAPSCA). He is a member of the Flight Safety Foundation's Business Advisory Council and is on the faculty of the University of Southern California's Viterbi School of Engineering in the Aviation Safety and Security Program.

Dr. Snyder has been an FAA Certified Flight Instructor (Gold Seal) since 1975 and actively serves as a Designated Pilot Examiner since 1998 and FAA Safety Team representative since 2003. He received the Soaring Society of America's World Distance Award for 40,000 km (Earth's circumference) of solo cross-country flight in his ASK-24B glider. In 2024, he was a recipient of the FAA's Wright Brothers Master Pilot Award. He is also the recipient of many other awards, including the Raymond F. Longacre, Boothby Edwards (twice), and Marie Marvingt Awards from the Aerospace Medical Association, the General George E. Schafer and Howard R. Unger Literacy Awards from the Society of USAF Flight Surgeons and was twice a finalist for their Malcolm Grow Award. His military honors include the Airman's Medal, the Meritorious Service Medal with five oak leaf clusters, the Air Force Achievement Medal, and the Air Force Commendation Medal.

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**JOE KERWIN AWARD**

## Joseph P. Dervay, M.D., MPH, MMS

*Established and sponsored by KBR in honor of Joseph P. Kerwin, the first physician/astronaut. It is presented for advances in the understanding of human physiology during spaceflight and innovation in the practice of space medicine to support optimal human health and performance in space.*

Joseph P. Dervay, M.D., MPH, MMS, FACEP, FAsMA, FUHM, is the 2025 winner of the Joe Kerwin Award. He received the award for his career of service, with passion and unrivaled prowess, to aviator and astronaut health and mission success, from his 1986 Navy Flight Surgeon designation to his current role as International Space Station (ISS) Crew Surgeon. He has made pivotal contributions to Aerospace Physiology and Medicine as a world expert in extravehicular (EVA) physiology and a respected author, educator, mentor, and ardent advocate. Through leadership roles in the Aerospace Medical Association, including AsMA President, Dr. Dervay has exemplified the highest professional standards for the Aerospace Medicine community.

Dr. Dervay is a board-certified physician in Aerospace Medicine, Emergency Medicine, and Undersea & Hyperbaric Medicine. He completed undergraduate studies at Cornell University and received his Doctor of Medicine at Syracuse – SUNY Upstate Medical Center. He completed a General Surgery Internship at the Bethesda Naval Medical Center; an Emergency Medicine Residency in Washington D.C. at The George Washington University; both a Space Medicine Fellowship and Aerospace Medicine Residency at the University of Texas Medical Branch at Galveston/NASA; and Hyperbaric Medicine training at the University of Texas Health Science Center, Houston.

After training to become a Navy Flight Surgeon, Dr. Dervay served aboard the aircraft carrier *USS John F. Kennedy*. Retiring with the Navy rank of CAPTAIN, he completed a combined 35 years of Active and Reserve service with numerous Navy & Marine Corps units worldwide. Throughout 40 years of service in the U.S. Navy and NASA, he served as a flight surgeon with multiple deployments and mission assignments. A NASA Flight Surgeon for over 29 years, he served as Crew Surgeon or Deputy for multiple Space Shuttle and ISS missions. Roles included work in Russia during the Shuttle-Mir Program and Soyuz launch-landing activities in Kazakhstan. Dr. Dervay served as Lead of the Medical Operations Group, Flight Surgeon Lead for EVA, and is currently engaged with Commercial Crew missions including DM-2 (first Crew Dragon test mission), Crew-4, and leading the medical team of Crew-11.

In the ISS medical organization, Dr. Dervay chairs the Multilateral Medical Operations Panel (MMOP) representing the U.S., Canadian, Japanese, European, and Russian Space Agencies. He has chaired many hundreds of the ISS private weekly medical conferences, upholding crew health, professional collegiality, and evidence-based approach to international medical system operations.

In addition to wide-ranging operational duties, Dr. Dervay has contributed to a wide range of research and development efforts in Aerospace Medicine, becoming one of the world experts in EVA physiology and prebreathe protocol development and authoring widely read book chapters and original publications on EVA medicine and physiology.

A Fellow of AsMA, Dr. Dervay served as President in 2023-2024 and was inducted into the International Academy of Aviation & Space Medicine.

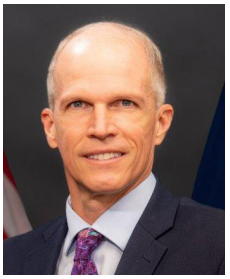
**MARY T. KLINKER AWARD**

## David Picken, M.D., MPH, and Robert Mulcahy, M.D., MPH

*Established by the Flight Nurse Section in 1968, this award became an official AsMA award in 1972. In 1978 it was renamed in memory of Mary T. Klinker, who was killed in a C-5A crash while performing a humanitarian mission. The award is given annually to recognize significant contributions to, or achievements in, the field of aeromedical evacuation. It is sponsored by ZOLL Medical Corporation.*

David Picken, M.D., MPH, and Robert Mulcahy, M.D., MPH, are the joint winners of the 2025 Mary T. Klinker Award for their service as mission Crew Surgeons for the Crew 8 crewmembers. They provided longitudinal medical care throughout the 235-day mission, including successful management of a medical issue requiring aeromedical transport to a local medical facility for one of the crewmembers following return to Earth. All four astronauts were transported to a hospital in Pensacola, FL, for evaluation and monitoring. Drs. Picken and Mulcahy demonstrated clinical excellence and dedication to the health of their crew through their actions in the Crew 8 recovery and subsequent medical transport of the crew to the hospital. The crewmembers recovered quickly and without further incidence, further highlighting the excellence of care provided by the Crew 8 Surgeons and the rest of the medical team.

David "Slim" Picken is a flight surgeon at NASA's Johnson Space Center in Houston, TX. He has served as Deputy Crew Surgeon for SpaceX Crew-4, Lead Crew Surgeon for Crew-8, and Increment Lead Surgeon for Expedition 71. He has also worked with the Orion and Gateway medical teams, supported operations in Moscow and Star City, Russia, and the Baikonur Cosmodrome. He currently is an embedded flight surgeon with SpaceX working on the medical system for their Human Landing System. He is board certified in Family Medicine and Aerospace Medicine, with additional training in General Surgery. He has extensive aviation and shipboard operational experience from his more than 23 years in the U.S. Navy.



Dr. Picken earned a BA in Biology from Austin College, Sherman, TX, in 1991. He was awarded his M.D. in 1995 from the University of Texas Medical School, Houston, TX, and his MPH in 2013 from the University of West Florida, Pensacola, FL. He is a member of the Aerospace Medical Association, the American Society of Aerospace Medicine Specialists, the Society of U.S. Naval Flight Surgeons, and the American Medical Association. He has served as Chair of the Central Screening Committee, Exceptional Family Member Program, U.S. Naval Hospital Yokosuka in Japan, and as Clinical Co-Chair on the Tri-Service Product Review Board. His honors include numerous military awards and winning the Navy Academic Research Competition.

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*From "Award Winners", p. N38*

Dr. Mulcahy studied chemical engineering at Rice University in Houston, TX, before enrolling in medical school at the University of Texas Medical Branch (UTMB) in Galveston. Following medical school, he completed a combined residency in Aerospace Medicine and Internal Medicine at UTMB. After graduation in 2016, he joined the NASA Johnson Space Center (JSC) as a flight surgeon. He is the chair of the NASA Aerospace Medicine Board (AMB), the lead surgeon for the Health Stabilization Program, the lead surgeon for the NASA astronaut centrifuge training program at Wright-Patterson Air Force Base, and a Federal Aviation Administration (FAA) Aviation Medical Examiner (AME). He served as the deputy crew surgeon for the SpaceX Crew-8 mission from 2022 to 2025, and the lead surgeon for the Flight Medicine Clinic from 2018 to 2022.

Dr. Mulcahy is a Fellow of the Aerospace Medical Association and a member of the Aerospace Medicine Student and Resident Organization. His awards and honors include UTMB's Outstanding First Year Resident award and the William K. Douglas Scholarship, the Space Medicine Association's Jeff Myers Young Investigator Award, the Aerospace Medical Association's Arnold D. Tuttle (co-recipient) and Raymond F. Longacre Awards, the Society of NASA Flight Surgeons' Outstanding Student Award, a variety of Johnson Space Center Group Achievement awards, NASA's Group Silver Achievement Medal and Silver Group Achievement Award as well as other Group Achievement Awards, and the Dr. Robert H. Goddard Memorial Trophy.

## SIDNEY D. LEVERETT, JR., ENVIRONMENTAL SCIENCE AWARD

## Nicholas D. C. Green, OBE, MBBS, Ph.D., D.Av.Med.

*Established in memory of Sidney D. Leverett, Jr., Ph.D., this Environmental Science Award is presented annually to an individual who has made a significant contribution in the field of environmental medicine through a publication in Aerospace Medicine and Human Performance, or by activities conducted in support of aerospace systems operation. It is sponsored by Environmental Tectonics Corporation.*

Nicholas D. C. Green, OBE, MBBS, Ph.D., is the 2025 recipient of the Sidney D. Leverett, Jr., Environmental Science Award for his knowledge and expertise. He has personally furthered the RAF Centre of Aviation Medicine's understanding of aviation hazards and risks, promoting their communication to the Senior Leadership. He has inspired successive generations to methodologically investigate and report in the literature. With his dedication, he has saved aircrew lives and also saved Defence money. Throughout his RAF career, he has investigated the effects of the flight environment on a wide range of aerospace systems in a scientific manner. In the 1990s, with the advent of the Eurofighter Typhoon, he thoroughly evaluated the anti-G system and aircrew equipment, leading to its man-rating and flight clearance. He has investigated the safety of various items of aeromedical evacuation equipment, leading to their airworthiness certification, including the rapid decompression of the Air Transportable Isolator. His work identified issues which otherwise would not have been known, including medically significant matters, like the fact that an aeromedical transport ventilator over-ventilated at altitude. His work has improved patient care.

Dr. Green served as an active-duty medical officer in the UK Royal Air Force (RAF) for over 34 years and currently works as a military Reservist at the Centre of Aerospace Medicine. During his career, he has been involved with the development and certification of the life support equipment for a number of air platforms, including Eurofighter Typhoon. He led the subject matter expert support for the new human centrifuge capability which was introduced into the United Kingdom in 2018 and he developed novel scenario-based pilot high-G training used on the device.

Dr. Green graduated in medicine from Charing Cross and Westminster Medical School, London, in 1988, where he also gained an intercalated B.Sc. in physiology. He joined the Royal Air Force in 1990, working at the RAF Institute of Aviation Medicine at Farnborough and later the RAF Centre of Aerospace Medicine at Henlow. He served in the First Gulf War in 1991 and also as Coalition Validating Flight Surgeon at Al Udeid, Qatar, in 2014. He completed a Ph.D. in high-G physiology in 2007, has published numerous technical reports and peer reviewed articles, is a contributing author to "Ernsting's Aviation Medicine", and is also the lead editor of the "Handbook in Aviation and Space Medicine".

Dr. Green has taught in the King's College London Diploma in Aerospace Medicine Course (and its predecessors) for over 30 years and previously served as Whittingham Professor of Aviation Medicine. He holds a Visiting Senior Lecturer appointment at King's College, London, and also acts as an Examiner for the Faculty of Occupational Medicine Diploma in Aviation Medicine Examination. He is Vice-Chair of the Aviation and Space Medicine Specialty Advisory Committee of the UK Joint Royal Colleges of Physicians Training Board, is a Trustee of the Stewart Memorial Trust, and is Chair (designate) of the RAF Scientific Assessment Committee. He is a Past-Chairman of the Aerospace Medicine Group of the Royal Aeronautical Society, has been a member of a number of NATO Technical Teams, and has authored numerous STANAG and AFIC Air Standard revisions.

Dr. Green attended his first Annual Scientific Meeting in 1994. He was elected as an AsMA Fellow in 2008 and served as a Member at Large on Council from 2014–2019. He also served on the AsMA Executive Committee from 2017–2019, was Scientific Program Committee Chair in 2019–2020, and remains a long time *Aerospace Medicine and Human Performance* journal reviewer. He was awarded the Order of the British Empire in 2020. He is a recipient of the Gordon P Olley Prize and a Bronze Team Award from the Royal Aeronautical Society and was the winner of the Aerospace Medical Association's Eric Liljencrantz Award in 2014 and the Louis H. Bauer Founders Award in 2023.

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**ERIC LILJENCRANTZ AWARD**

## Joan Saary, M.D., Ph.D., FRCPC, CIP, FAsMA, FACOEM

*The Eric Liljencrantz award was established in memory of CDR Eric Liljencrantz, MC, USN, whose brilliant career in aviation medicine was cut short by his death in an airplane accident in 1942. It is given annually to honor excellence as an educator in aerospace medicine, or basic research into the problems of acceleration, altitude, or weightlessness. It is sponsored by Aerospace Medical PLC.*

Joan Saary, M.D., Ph.D., is the winner of the 2025 Eric Liljencrantz Award for her remarkable achievements as an educator. These are most prominently demonstrated through her pivotal role in establishing the Aerospace Medicine Fellowship at the University of Toronto. She successfully launched the program under the Occupational Medicine Division of the University of Toronto School of Medicine. After nearly decade of steadfast commitment, the inaugural Fellow in aerospace medicine commenced the program in January 2024, underscoring Dr. Saary's visionary leadership. She has also been an instrumental lecturer in the Royal Canadian Air Force (RCAF) Flight Surgeon courses for the past 25 years and has taught every operational Flight Surgeons on the aspects of Occupational Health related to Aerospace Medicine, ensuring the highest quality of graduated RCAF Flight Surgeons. She is a founding member of the Canadian Society of Aerospace Medicine (CSAM) and the creator of the Canadian Students and Residents Sub-Group (CStaRS). She mentors all the members of CStaRS and several other students in various stages of residency training. She is also on the Board for the Space Medicine Association.

Dr. Saary is an Occupational Medicine specialist certified by the Royal College of Physicians and Surgeons of Canada (RCPSC) with niche expertise in aerospace and diving medicine from various institutions, including the Canadian Forces School of Operational Medicine, where she has Flight Surgeon and Advanced Dive Medicine training. She also holds an M.Sc. in clinical psychology from the University of Calgary and a Ph.D. in medical science from the University of Toronto, leading to a Clinician-Investigator qualification and for which she received national recognition from the Royal Society of Canada.

Dr. Saary is currently an Associate Professor of Medicine and the Director of the Division of Occupational Medicine at the University of Toronto, where she developed an accreditable Aerospace Medicine Fellowship, a first of its kind in Canada. This is the culmination of participation in over a decade of groundbreaking work with Canadian aerospace leaders and the RCPSC (where she is now the Chair of Aerospace Medicine) to garner recognition for Aerospace Medicine as a separate discipline, then to develop national standards of training documents, develop academic institutional partnerships to enable curriculum delivery, and to mount a training program.

Dr. Saary has a lengthy relationship with the Canadian Space Agency (CSA) which began with the completion of the Johnson Space Center clerkship in 2000, 25 years ago. She has been a longstanding member of the Medical Standards and Health Evaluation Working group for ISS, for which she has been Chair since 2013. She has contributed to numerous programs, including the pre-launch infection control program, among others. She was a member of CSA's medical selection Boards for the last 2 CSA astronaut recruitments in 2009 and 2017. She is actively engaged in initial aircrew selection for the Canadian Armed Forces, participating in the Aerospace and Undersea Medical Board, and teaching in the school of operational medicine on numerous courses. Her research with the Canadian White Matter Hyperintensity study has contributed to improved understanding of the impacts of stressors of flight on brain health in aviators. She was an invited speaker for the Peace With Women Fellowship and was named one of Canada's "Top 25 Women in Defence" in 2021 and was recently nominated for the 2025 Canadian Women Entrepreneur Awards.

Dr. Saary is a fellow of both ACOEM and AsMA, and has represented Canada internationally in both occupational and aerospace medicine roles. She is a member of the Canadian Medical Association, the Federation of Medical Women in Canada, the International Academy of Aviation and Space Medicine, the International Occupational Medicine Society Collaborative, and the Occupational and Environmental Association of Canada, among others. Her awards and honors include the Colonel Carl Walker Award from Defence Research and Development Canada, three nomination for the Frank J. Malina Astronautics Medal from the International Astronautical Congress, a Public Service Award for Excellence in Profession from the Canadian Astronaut Recruitment Team of the CSA, the Dominique-Jean Larrey Award as a team member of a NATO Human Factors and Medicine Panel, and nomination for Great Women of the 21st Century from the American Biographical Institute.

**RAYMOND F. LONGACRE AWARD**

## Charles Chesanow, D.O. (Posthumously)

*Established to honor the memory of MAJ Raymond F. Longacre, MC, USA. It is given annually for outstanding accomplishment in the psychological and psychiatric aspects of aerospace medicine. It is sponsored by the Aerospace Human Factors Association.*

Charles Chesanow, D.O., is the recipient (posthumously) of the 2025 Raymond F. Longacre Award for his outstanding lifetime contributions to aerospace psychiatry and behavioral health. He was pivotal in shaping the SSRI antidepressant program, outlined the basics of policy for aeromedical certification of transgender individuals, and was a key contributor to the review of mental health issues brought to worldwide attention by the 2015 German Wings aircraft accident. In 20+ years of service, he championed many positive changes in airman medical certification. The SSRI program he helped spearhead had, by 2023, safely returned over 1500 pilots to flying. The program was later expanded to flight controllers. He also developed the innovative "step-down" program adjunct to HIMS.

Dr. Chesanow was born in Brooklyn and raised in East Islip, NY, United States. He received his undergraduate degree from Case Western Reserve University in Cleveland, OH, and his medical degree from the College of Osteopathic Medicine and Surgery (now known as Des Moines University). He returned to Cleveland to do his residency in psychiatry at the Cleveland Clin-

*See "Award Winners", p. N41*

*From "Award Winners", p. N40*

ic Foundation. After completing his residency, he practiced in several states before landing a position with the Federal Aviation Administration. From 1991-1994, he was in private practice in Nashville, TN, and then became Assistant Chief Clinical Officer at Central Ohio Psychiatric Hospital. In 2000, he took a position as Clinical Associate Professor in the Department of Psychiatry, Ohio State University School of Medicine until 2005. During that time, between 1998-2003, he was a medical expert for the Social Security Administration for disability and Medicare cases.

From 1996-2003, Dr. Chesanow was System Chief Clinical Officer, Franklin County Alcohol, Drug Addiction and Mental Health Services. In 2013, he was a Consultant for NASA. He took his final position as Chief Psychiatrist for the Federal Aviation Administration in Washington, DC, in 2003. During his years of practice, (both in the private and public sectors), he became board-certified in psychiatry with added qualifications in addiction, psychiatry, and forensic psychiatry. He was licensed in Ohio, Tennessee, Georgia, Florida, and Nevada.

### THEODORE C. LYSTER AWARD
## Amy J. Kreykes, M.D., MPH, FAsMA

*This award was established to honor the memory of Brig. Gen. Theodore C. Lyster, the first Chief Surgeon, Aviation Section, United States Signal Corps. It is given annually for outstanding achievement in the general field of aerospace medicine. It is sponsored by the Army Aviation Medical Association.*

Amy Kreykes, M.D., MPH, FAsMA, is the 2025 winner of the Theodore C. Lyster Award for her exemplary service to the clinical practice of aerospace medicine. She is an excellent educator who is providing state-of-the-art training for medical students and residents in aerospace medicine and is guiding the early research endeavors of those students. She has diverse experience in and service to aerospace medicine, encompassing training as a Federal Aviation Administration Aviation Medical Examiner, undergoing basic survival and water survival training, participating in polar medical operations at McMurdo Station, and holding a private pilot's license. She is a recognized speaker and has given multiple presentations at Aerospace Medical Association meetings, lectures to University of Texas Medical Branch (UTMB) residents, and conducted grand rounds. She also has extensive teaching experience and developed a Master of Science curriculum in aerospace medicine and teaches aerospace medicine, preventive medicine, and behavioral health.

Dr. Kreykes grew up on a small farm in Colorado in an aviation family. As a child she had a fascination for human spaceflight and attended both Space Camp and Space Academy. Her retired USAF fighter pilot and Airline Transport pilot father served as her flight instructor, helping her chase a dream and obtain her private pilot's license at the age of 17. In high school she realized she also had a passion for medicine. She obtained a Bachelor of Science in Biology with Minors in Chemistry and Physics from the University of Denver, a Master of Public Health from the University of Texas Medical Branch, and a Doctor of Medicine from the University of Colorado School of Medicine. Her post-graduate medical education included residency in Family Medicine and a Sports Medicine Fellowship at the University of Michigan as well as an Aerospace Medicine Residency at UTMB. She holds board certifications in Family Medicine, with an additional qualification in Sports Medicine, and Aerospace Medicine and actively practices all three. Her current professional positions include: the Associate Program Director for UTMB's Aerospace Medicine Residency; the Director of the Aerospace Medicine Master of Science at UTMB; Assistant Professor in the School of Public and Population Health at UTMB; and Medical Operations Lead for the Commercial Crew Program, SpaceX, at NASA's Johnson Space Center. She serves as the Education and Training Committee Chair for the Aerospace Medical Association (AsMA).

In addition to being a Fellow of AsMA, Dr. Kreykes is also a member of the American Academy of Family Physicians. Her award and honors include the Mortar Board Honor Society from the University of Denver, the Gold Humanism Honor Society and the Doctoring Award from the University of Colorado School of Medicine, and Best Research Proposal Award, Fellows Research Conference, American Medical Society for Sports Medicine. She has been a journal reviewer for the Journal of Family Practice, the Journal of Space Safety Engineering, Acta Astronautica, and Aerospace Medicine and Human Performance. She has also been a co-author on journal articles, a book chapter, conference presentations, and various lectures.

### MARIE MARVINGT AWARD
## George Pantalos, BSAAE, MSBE, Ph.D., FAIMBE

*Established and sponsored by the French Society of Aerospace Medicine in memory of Marie Marvingt (1875-1963), a pioneer French pilot and surgical nurse who, for more than 50 years, actively and untiringly involved herself in the conception and development of air ambulance services and in the education of the general public regarding their use and benefits. The award is presented annually to honor excellence and innovation in aerospace medicine.*

George Pantalos, BSAAE, MSBE, Ph.D., FAIMBE, received the 2025 Marie Marvingt Award for his research in aerospace physiology, medical procedures, and medical device innovation in the lab, drop-towers, parabolic flight, suborbital flight, and orbital spaceflight. His research has used physical models of the cardiovascular system, instrumented animal and human test subjects, and he has always shared his adventures with students. The realization, when he was a teenager, that many technical problems in medicine have an engineering solution led him to use engineering knowledge, tools, and skills to become involved in medical research, development, and innovation to advance healthcare. As a university professor, he began organizing project teams to pursue parabolic and orbital flight experiments. He instrumented an artificial heart he helped create and connected it to a physical model of the circulation to demonstrate that the hydrostatic pressure inside the heart alters cardiac diastolic function during parabolic flights and two orbital flights on the Space Shuttle. Data from four aggressively instrumented human test subjects (including himself) in parabolic flight corroborated instantaneous reduction in central venous pressure with entry into microgravity reported from orbital spaceflight. For the last 20 years, his project teams have pursued the advanced

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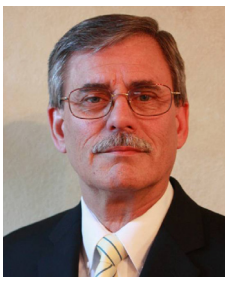
healthcare technologies for spaceflight including CPR, long-term preservation of red blood cells for transfusion therapy, and surgical devices and techniques in ground, parabolic flight, and suborbital flight studies with orbital studies planned.

Dr. Pantalos earned a BSAAE in 1975 from Ohio State University and then an MSBE, also from Ohio State, in 1978. He was awarded his Ph.D. in 1984 from Ohio State University, Department of Physiology. He has been a cardiovascular explorer for over 50 years. Much of that effort has included the development of surgical devices and procedures to make his research projects possible. He has been a Professor of Cardiovascular and Thoracic Surgery and Biomedical Engineering at the University of Louisville, in partnership with Jewish Hospital and Norton Children's Hospital, since July 2000, after holding similar appointments at the University of Utah for 17 years. His efforts to investigate cardiovascular function have focused on understanding and treating heart failure with mechanical devices, including artificial hearts, ventricular assist devices, and cardiopulmonary support systems which he has helped develop, test, and implement clinically in patients with two legs and with four legs, with big hearts and with little hearts.

Dr. Pantalos has also collaborated with NASA for many years, helping to understand cardiovascular adaptation to the weightlessness of spaceflight and the return to Earth. He has flown 62 NASA-sponsored research missions on parabolic flight research aircraft which led to the development of a cardiovascular diastolic function experiment that included an instrumented artificial heart beating on a circulation simulator. Other reduced gravity research projects have included delivery of effective chest compressions for CPR in 0 G, organ perfusion in 0 G, and the development of medical technologies for exploration space missions. The surgical fluid management system being developed by his project team completed successful parabolic flights and one suborbital spaceflight evaluation on the Virgin Galactic SpaceShipTwo in 2021. His other honors and awards include the Rudolph Edse Award for Space Engineering from Ohio State's Department of Mechanical and Aerospace Engineering and an Alumnus Career Achievement Award from Ohio State's College of Engineering. He is a member of the American Society of Artificial Internal Organs, the American Society for Gravitational and Space Biology, and the Aerospace Medical Association, a founding member of the Space Surgery Association, and a Fellow of the American Institute for Medial and Biological Engineering.

### HARRY G. MOSELEY AWARD
## Stephen C. Merriman, BS, MS, FAsHFA, AsTFBoeing, AsFAsMA



*Established in memory of Col. Harry G. Moseley, USAF, MC, in recognition of his material contributions to flight safety. It is given annually for the most outstanding contribution to flight safety. It is sponsored by the International Association of Military Flight Surgeon Pilots.*

Stephen "Steve" C. Merriman, BS, MS, FAsHFA, AsTFBoeing, AsFAsMA, is the 2025 winner of the Harry G. Moseley Award. He received the honor for his support of aviation safety since 1967 for both civil and military operations. His expertise on human factors, human systems integration (HSI), software development, and systems engineering is well recognized. He has been instrumental in the development of aircrew workstations, design and integration of escape and life support systems, control/display integration, and anthropometric accommodation. He chaired the SAE International G-45 HSI committee which resulted in the first industry HSI best practice standard for system acquisition projects. Recently, he served as senior ergonomics consultant on the interior design of the Boeing VC-25B (new Air Force One 747-8i). He also provided expert consulting on a DoD project to develop and validate 400 questions to assess the HSI competency of candidate personnel. He is currently providing expert consulting to Boeing to develop HF and safety design practices for commercial/military aircraft and space systems.

Mr. Merriman has Bachelors and Masters degrees in psychology, a program management certificate from the Defense Acquisition University, and 55+ years of experience as a practitioner of human factors engineering (HFE) and human systems integration (HSI). He has provided support to more than 65 acquisition programs, including the NASA Space Shuttle, Army ground combat vehicles, unmanned air vehicles, missile systems, and more than 50 U.S. Navy, USMC, U.S. Army, and U.S. Air Force aircraft, including the new Air Force One. From 1967–1987, he held systems acquisition and R&D positions with the U.S. Navy, DOD Training and Performance Data Center, and the Office of the Secretary of Defense. From 1987–2015, he served in technical and leadership positions with The Boeing Company. Since 2015, he has provided HSI consulting to multiple government and industry organizations.

Mr. Merriman is an active member of several technical societies and government-industry associations. He is a Human Factors and Ergonomics Society Fellow, an Aerospace Medical Association Associate Fellow, and a Boeing Associate Technical Fellow. He was a member of the U.S. Air Force Scientific Advisory Board (2015–2018) and a past chair of the SAE G-45 HSI Committee, currently serving as their senior advisor. He is a current Director with the Foundation for Professional Ergonomics (FPE) and a life member of the SAFE Association. His awards and honors include the Raymond F. Longacre Award from the Aerospace Medical Association, the U.S. Air Force Commander's Public Service Award, the James M. Crawford Technical Standards Board Outstanding Achievement Award from the SAE International Aerospace Council, certificates of appreciation from Maj. Gen. John R Bartley, USA, and Boeing Vice President Mr. Gregg Martin, and being designated "Practitioner of the Year" by the U.S. Army MANPRINT Director, Office of the Deputy Chief of Staff.

### JOHN A. TAMISIEA AWARD
## Robert J. Gordon, D.O.

*This award was established and sponsored by the Civil Aviation Medical Association in memory of John A. Tamisiea, M.D. The award is given annually to an aviation medical examiner or other individual who has made an outstanding contribution to the art and science of aviation medicine in its application to the general aviation field.*

Robert J. Gordon, D.O., is the 2025 winner of the John A. Tamisiea Award. He received the award for his exceptional con-

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tributions and commitment to Aerospace Medicine. His activities go well beyond simply performing FAA Medical Certification Examinations. As an AME, he performs 1,000 examinations a year, and has been a HIMS AME for 20 years, evaluating more than 200 complicated drug and alcohol cases for the FAA, as well as serving on the FAA HIMS Advisory Board. He is a frequent lecturer at the annual HIMS training seminars for pilots and AMEs. In addition to being a private pilot, he has been a member of the FAA Safety Team (FAASTEAM) at the Eastern Michigan FAA District Office for over 15 years. Additionally, he serves as TeamPhysician for the Plymouth-Canton High School Teams.

Dr. Gordon is a 1982 graduate of the College of Osteopathic Medicine at Michigan State University. He is board-certified in Family Medicine with an added qualification in Sports Medicine. He has been an A.M.E. designee since 2000 and FAA employee examiner (ATC/FSDO) since the early 2000's, as well as a HIMS AME since 2017. Dr. Gordon has been the HIMS AME representative on the FAA HIMS Advisory Board since 2019. He has been the HIMS Physician Advisor for UPS Airlines since 2024.

Since 2013, Dr. Gordon has been the Aeromedical Advisor for Jet Blue Airlines, as well as an Aeromedical Consultant for Harvey Watt Insurance company. He has been a member of the Civil Aviation Medical Association since 2001 and is now a life member; he has also been a Trustee on the CAMA Board of Trustees since 2015. He has been a member of AsMA since 2015 and an FAA Safety Team (FAASTEAM) member at the YIP FSDO since 2005. He has a Private Pilot Rating and practices in the Detroit Metropolitan area.

Dr. Gordon retired from Family/Sports Medicine in 2006. Since then, he has limited his practice to Aviation Physicals, consultations, and HIMS pilot work. He has been an Associate Clinical Professor of the College of Osteopathic Medicine at Michigan State University since 1986. He is a member of the American Osteopathic Association, Wayne County Osteopathic Association, Michigan Osteopathic Association, and the College of Family Practitioners in Osteopathic Medicine & Surgery. If all these activities do not keep Dr. Gordon busy enough, he serves as Team Physician for the Plymouth-Canton High School Teams. There is no doubt that Dr. Robert Gordon has made an outstanding and exceptional contribution to the art and science of aviation medicine in its application to the general aviation field and is well deserving of this Award. He has been happily married for 38 years, and together they enjoy spending time with their daughter and son.

### THOMAS J. AND MARGARET D. TREDICI AWARD
## Tyson J. Brunstetter, MBA, OD, PhD, CAsP, FAAO, FAsMA

*This award was established by Thomas J. Tredici and sponsored by an endowment fund managed by the Aerospace Medical Association Foundation. It is given for the most significant contribution to aerospace ophthalmology and vision science.*

Tyson J. Brunstetter, MBA, OD, PhD, CAsP, FAAO, FAsMA, is the 2025 winner of the Thomas J. and Margaret D. Tredici Award.

He received the award for his nearly three decades leading dozens of research, development, test, and evaluation (RDT&E) and clinical surveillance efforts to optimize human ocular health, visual performance, and mission effectiveness in austere aerospace environments. From advanced laser eye protection, helmet-mounted cueing systems, and advanced refractive surgery protocols, to Individual First Aid Kits, the Tactical Combat Casualty Care Card, and Spaceflight Associated Neuro-ocular Syndrome (SANS), his positive influence extends from the battlefield to low Earth orbit.

During 24 years on active duty, Dr. Brunstetter worked primarily within areas such as: aircrew laser eye protection; helmet-mounted cueing systems for tactical aircraft; advanced refractive surgery; and deployable battlefield medical devices. In particular, he served as U.S. Navy Refractive Surgery Program Research Director (2006-2011), leading 21 studies across nine Department of Defense (DoD) commands. Results permitted data-driven decisions regarding optimal refractive surgery protocols for servicemembers, permitting spectacle-free operations and improving visual performance. The 500-subject "LASIK in Naval Aviation" study led to the approval of laser-assisted in situ keratomileusis (LASIK) for U.S. Naval Aviators and aircrew, as well as NASA astronauts. In addition, Dr. Brunstetter served as Director of Joint Medical Test & Evaluation at the Defense Health Agency (2011-2014). His primary duties included creating the first Joint-Service First Aid Kit (JFAK) and revising DD-Form 1380 (Tactical Combat Casualty Care Card). He drove the introduction of rigid eye shields into Individual First Aid Kits (IFAKs) across all four Services, as well as inclusion of "Eye-Shield" as a treatment option on DD-Form 1380, efforts meant to eliminate pressure patching by battlefield first responders in cases of suspected penetrating ocular injuries, a treatment which can cause expulsion of intraocular contents

From 2016-2020, Dr. Brunstetter was detailed to the NASA Johnson Space Center (JSC) Space Medicine Operations Division as a DoD Aerospace Medical Liaison officer to support the investigations into a unique condition affecting the eyes, brains, and vision of astronauts during spaceflight: Spaceflight Associated Neuro-ocular Syndrome (SANS)—A "Red Risk" for Mars missions. Following Navy retirement (2020), he continues to serve NASA as SANS Clinical Lead (Eyes & Vision). He also serves on the SANS Sub-working Group of the Multilateral Medical Operations Panel (MMOP) alongside colleagues from NASA's International Partners; as co-investigator on four NASA SANS research studies; and as subject matter expert (SME) and Remote Guider for ocular data collections occurring onboard the International Space Station (ISS).

Dr. Brunstetter earned his Doctor of Optometry, Master of Science, and Ph.D. degrees from Ohio State University, as well as an Executive MBA from the Naval Postgraduate School. He was winged as a Navy Aerospace Optometrist in 2002 and earned Board Certification as an Aerospace Physiologist in 2006. He is a Fellow of AsMA and the American Academy of Optometry; a member of the Space Medicine Association, Aerospace Physiology Society, American Optometric Association, and Association of Armed Forces and Federal Optometric Services; and author/co-author of 32 peer-reviewed scientific publications, 15 military publications, 27 peer-reviewed scientific posters, 1 textbook chapter, and >150 conference presentations and guest lectures.

**ARNOLD D. TUTTLE AWARD**

## Ross Pollock, B.Sc., M.Sc., Ph.D., and Thomas Smith, CF, MBBS, ACCAM, D.Av.Med.

*Established in memory of Col. Arnold D. Tuttle, USAF, MC. Awarded annually for original research that has made the most significant contribution toward the solution of a challenging problem in aerospace medicine and which was published in Aerospace Medicine and Human Performance. It is sponsored by KBR.*

Ross Pollock, B.Sc., M.Sc., Ph.D., and Thomas Smith, CF, MBBS, ACCAM, D.Av.Med., D.Phil. (Oxon), FRCA, FRCP, FAsMA, FRAeS, AKC, are the 2025 winners of the Arnold D. Tuttle Award for their respective roles as first author and corresponding author of an article on the prevention of G-induced effects on vision and consciousness during simulated spaceflight [Pollock RD, Britton JK, Green NDC, Hendriksen D, Hodkinson PD, Anderton RA, Smith TG. Prevention of G-induced effects on vision and consciousness during simulated suborbital spaceflight. Aerosp Med Hum Perform. 2024; 95(12):897–901]. In this article, the authors investigated the efficacy of a modified anti-G maneuver to prevent or delay greyout. The study recorded the onset and duration of greyout for 13 subjects exposed twice to an acceleration profile simulating spaceplane launch and re-entry in an upright seated position: first in a relaxed state, and then while undertaking anticipatory muscle-tensing of the leg and abdominal muscles. They found that muscle-tensing prevented 100% of greyout on launch and 54% on re-entry, as well as delayed the onset of greyout when it did occur on re-entry. Based on these and previous study results, the authors recommend that anticipatory pre-tensing of leg and abdominal muscles be considered a part of routine suborbital spaceplane operations.

Dr. Pollock is a Senior Lecturer in Aerospace Physiology in the Centre of Human & Applied Physiological Sciences (CHAPS) of King's College London and the Co-Director of the M.Sc./PGDip in Aerospace Medicine. Ross holds a B.Sc. (First class, Hons) in Sport and Exercise Science and an M.Sc. in Bioengineering from the University of Strathclyde. He completed his Ph.D. entitled "Physiological and Clinical Studies on the Effects of Whole Body Vibration" at King's College London. As part of his post-doctoral studies, he investigated the healthy aging process through the study of highly active older adults. Following this, Ross worked at QinetiQ in their Flight Physiology Group. He subsequently took up a lectureship at King's College London.

From a research perspective, Dr. Pollock is interested in understanding the effects of high and low levels of acceleration on the body and how we can protect and enhance aircrew performance in high-G environments and protect astronauts from the effects of microgravity. Furthermore, he also conducts research into healthy aging and the physiology that contributes to our decline in function and muscle mass as we age. In particular, he is interested in the role that exercise and (in) activity have in maintaining our function and performance for both healthy and clinical populations.

Dr. Pollock is a member of both AsMA and The Physiological Society. His previous awards include the Arnold D. Tuttle Award (2022), Journal of Physiology Editorial Board Fellowship (2021-2023), Experimental Physiology Inaugural Review Prize (2021), and the King's College London Education Award for Student Support (2019).

Professor Smith is a clinician-scientist specializing in aerospace medicine, cardiopulmonary physiology, and anesthetics. He is a Consultant Anesthetist at the Queen Elizabeth Hospital in Adelaide, Australia, as well as Clinical Professor at Adelaide University and Visiting Professor of Aerospace Medicine at King's College London. He previously led aerospace medicine research at King's College London (KCL), an international center of excellence in the field, before relocating to Australia in 2024.

Professor Smith is a former Rhodes Scholar and Churchill Fellow and moved to KCL from the University of Oxford in 2017. He has led many national and international research collaborations and undertaken studies in challenging and extreme environments, including high-G human centrifuges, parabolic "zero-G" flights, commercial airline flights, and at high altitude in the remote Andes of Peru, as well as many hypoxia/altitude chambers and facilities (normobaric and hypobaric). His research has been awarded international prizes including the Ernsting, Liljencrantz, and Tuttle Awards from the Aerospace Medical Association (AsMA). He is also an elected Fellow of AsMA and Academician of the International Academy of Aviation and Space Medicine. He has been an invited speaker in nine countries, including the Australasian Society of Aerospace Medicine's John Lane Oration.

Professor Smith led the KCL M.Sc. in Space Physiology and Health in collaboration with the European Space Agency's European Astronaut Centre in Cologne, Germany, for several years, and he continues to teach on KCL's Diploma in Aerospace Medicine as Visiting Professor. Clinically, he has extensive experience in anesthesia for major high-risk surgery, as well as broad experience as a flight doctor in aeromedical critical care. He has a further interest in hyperbaric medicine.

Professor Smith has led many collaborations extending across academia, the commercial industry, the military, and the aviation/space regulator and space agencies, including NASA, the European Space Agency, and the UK Space Agency. He has served in senior professional and government advisory roles and is a past Chair of the Royal Aeronautical Society's Aerospace Medicine Group and a former Macintosh Professor of the Royal College of Anaesthetists, London.

**JULIAN E. WARD MEMORIAL AWARD**

## Samantha King, M.D., M.S.

*Established and sponsored by the Society of U.S. Air Force Flight Surgeons in memory of its first member to lose his life in an aircraft accident, and to honor all flight surgeons whose lives are lost in the pursuit of flying activities related to the practice of aerospace medicine. The award is given annually for superior performance and/or outstanding achievement in the art and science of aerospace medicine during residency training.*

Samantha "Sam" King, M.D., M.S., is the 2025 winner of the Julian E. Ward Memorial Award. She received the award for being an outstanding resident in aerospace medicine and providing state-of-the-art clinical services to the University of Texas

*See "Award Winners", p. N45*

*From "Award Winners", p. N44*

Medical Branch and NASA, conducting leading-edge clinical research, reviewing significant cases of aerospace medicine to better understand the risks of long-duration human spaceflight, publishing numerous articles in the peer-reviewed literature, and demonstrating leadership through her incredible knowledge base and interpersonal skills in a complex, high-risk practice environment. She is an active participant at AsMA and has given multiple presentations.
Originally from Dayton, OH, Sam King is a second-year Aerospace Medicine resident at UTMB. She earned bachelor's degrees in Chemistry and Microbiology, as well as her Doctor of Medicine (magna cum laude), from Ohio State University. After medical school, Sam completed an Emergency Medicine residency and an Advanced Emergency Ultrasound fellowship at the University of Maryland Medical Center in Baltimore, MD, where she then joined the faculty as a clinical assistant professor. Following her passions, Sam pursued a residency in Aerospace Medicine at UTMB. She continues to practice Emergency Medicine and teaches ultrasound as a faculty member with UTMB's Department of Emergency Medicine. In May 2024, Sam earned her Master of Science in Aerospace Medicine as part of the inaugural class of UTMB's new curriculum, and she was the 2024 UTMB Aerospace Medicine Residency Community Service Award winner.
Sam has presented several times at AsMA and served as an abstract reviewer for the Scientific Program Committee. She earned an honorable mention for the Space Medicine Association Young Investigator Award in 2023, was selected 1st Place for the 2024 AsMA Fellows Scholarship for her presentation and publication on the "Tolerance of Centrifuge-Simulated Spaceflight in Individuals with Diabetes Mellitus," and was the 2024 RAM Bowl Highest Individual Score. She is set to graduate from her Aerospace Medicine residency in June 2025.

Sam is a diplomat of the American Board of Emergency Medicine and a fellow of the American Academy of Emergency Medicine. She is also a member of the Space Medicine Association, the Aerospace Medicine Student & Resident Organization, American Medical Association, American College of Emergency Physicians, American Academy of Emergency Medicine, and Alpha Omega Alpha.

## In Memoriam: Charles H. Bercier, Jr.

AsMA HQ staff were saddened to hear of the death of Charles "Charlie" H. Bercier, Jr., in mid-April of this year. A native of

Ferriday, LA, United States, he was awarded a BS in Medicine in 1961 from the College of Charleston, SC. He was commissioned in the U.S. Naval Reserve during his freshman year of medical school at Louisiana State University. He received his M.D. in 1964 and completed an internship in 1965 at the Naval Hospital, Portsmouth, VA. He was then temporarily assigned to the USS Mountrail as Medical Officer and later reported to the Naval Aerospace Medical Institute in Pensacola, FL. He earned the designation of Naval Flight Surgeon in 1966 and was assigned to Marine Aircraft Group 26, MCAS New River, NC. In late 1966, he deployed to Vietnam with HMM-262. He was reassigned to MCAS Quantico in mid-1968 to serve as Assistant Flight Surgeon.

Dr. Bercier reported to Tulane University School of Public Health and Tropical Medicine in 1968 for residency training in Aerospace Medicine, earning his Master's in Public Health in 1969. He then completed 2 more years of training at the Naval Aerospace Medical Institute in 1971 and became a Diplomate of the American Board of Preventive Medicine (Aerospace). From 1971–1978, he served as Senior Medical Officer aboard the USS Franklin D. Roosevelt, Senior Flight Surgeon at Marine Aircraft Group 31 in MCAS Beaufort, SC, and Assistant Chief, Academic Service, Naval Aerospace Medical Institute. He was promoted to Captain at the end of 1978 and reassigned to Chief, Academic Service. In 1982 he reported to the Second Marine Aircraft Wing, MCAS Cherry Point, NC, to serve as Wing Medical Officer. He then served as Force Surgeon for the Commanding General of Fleet Marine Forces Atlantic from 1983–1990. He was then assigned as Commanding Officer, Naval Aerospace Medical Institute, Naval Air Station Pensacola from 1990–1993. He retired from the military with 30 years of service.

Dr. Bercier was a Fellow of the American College of Physicians, American College of Preventive Medicine, and the Aerospace Medical Association. He was also a member of the American Medical Association, American Academy of Family Physicians, and a Charter Member of the Society of U.S. Naval Flight Surgeons, where he was also Newsletter Editor, Vice President, and President. His military medals included the Humanitarian Service Medal, Republic of Vietnam Campaign Medal, National Defense Service Medal, Navy Unit Commendation Medal, Presidential Unit Citation with one bronze star, Navy Commendation Medal, Air Medal (four strike/flight awards), and the Meritorious Service Medal.

## THE SMA JM YOUNG INVESTIGATORS AWARD

*K. Jeffrey Myers, M.D.*

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) as well as be competing for the award the first time; they must appear as first author on the paper; and they must prepare and submit a manuscript for judging. 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, Pat McGinnis, and Steve Guyton.

The finalists in this years' competition, selected from 39 potential contestants, are richly talented and diversified. (listed later in this article).

The winner of the 2025 SMA JM YIA is Dr. Mina Arsanious, B.Sc.(Hons.), MBBS, MRCP(UK), MRCA, DMCC, FEWM. His paper is entitled: "Use of Non-Invasive Ventilation to Support Respiratory Failure in the Aeromedical Pre-hospital Setting: A Retrospective Cross-Sectional Study of a Rural Australian Aeromedical Retrieval Service Over 5 Years". He conducted the

*See "YIA Award", p. N46*

*From "YIA Award", p. N45*

Andrea Hanson (left), 2024-2025 President of the Space Medicine Association, presents Dr. Mina Arsanious with the YIA award.

study as part of his deployment with the Royal Flying Doctors of the Australian Outback. These austere and remote analogue environments have applications of use to us as we continue to expand our exploration and utilization of space. Mina is an Anesthesiologist training with the University College of London (he is from the United Kingdom) with future plans to include further training in Aerospace Medicine at King's College of London. Of additional note, his mentor is Dr. Bonnie Posselt, also a former YIA winner.

The first runner up is Francisco Bernardes Dos Santos, M.D., a first year medical resident from the Lisbon School of Medicine working with the Center for Aerospace Medicine in Portugal. His paper is titled "Sono-Gravity: Sonographic Needle Guidance for Intracranial Pressure Evaluation in Microgravity". This new technique could prove useful in the further evaluation of Spaceflight Associated Neuro-ocular Syndrome (SANS), which has affected the vision of some astronauts. The second runner up is Cameron Shetler, BS, a senior medical student at the University of Melbourne Medical school in Australia (Cameron is originally from California). Her paper is "Skin Cancer in Space: Evaluating the Incidence, Mortality, and Risk Factors in Astronauts Post-Spaceflight". Cameron is mentored by Dr. Lisa Brown, a former Young Investigator Runner Up. Honorable Mention went to Major Lyndsey Vu, M.D., MPH, FAAFP, for her paper "Cleared for Takeoff: A 30 Year Analysis of Central Serous Retinopathy in U.S. Air Force Aviators". She is a 2nd year USAF RAM working with the 711th Human Performance Wing at Wright-Patterson AFB. Although they are young and new to the field, these Young Investigators have demonstrated that they are not afraid of the challenges they face, and are exploring new innovations to meet those challenges. We will definitely want to watch this truly amazing new generation of Aerospace Medicine scientists.

This year, sadly, we mourn the loss of former Young Investigator Jochen Hinkelbein, who was a rising star in the leadership of ESA. His impact will not be forgotten. If I may paraphrase what Pericles said in his Oration, the best way to remember and honor those we have lost is to pick up their standard and carry it forward into the battle. In other words, continue their work with the passion they held and they shall not perish from this Earth, but will be remembered forever as a part of our future success.

On a brighter note, as another AsMA meeting drew to a close, former Young Investigator Michael Gallager, M.D., made Fellow and the new generation 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.

The SMA JM YIA finalists with Dr. Jeffrey Myers (far left), from left to right: Honorable Mention recipient Major Lyndsey Vu, YIA winner Dr. Mina Arsanious, astronaut Mike Barratt, runner-up Dr. Francisco Santos, 2nd runner-up Cameron Shetler, and Cathy Dibiase.

## AsHFA AWARDS 2026

**FINAL DEADLINE FOR AWARD NOMINATIONS: MARCH 1, 2026.**

1) **AsHFA Collins Award:** The William E. Collins Award is presented for the "Outstanding Human Factors Publication of the Year" for work completed during the previous calendar year. This award includes a plaque and an honorarium of $500.00 for the first author and certificates for the coauthors. Publications considered for the William E. Collins Award are limited to peer-reviewed papers and do not include books, book chapters, proceedings, technical reports, abstracts, or presentations. Criteria for judging the publication award include (1) scientific quality (i.e., significance of the problem, innovativeness of the approach, review of related research, effectiveness of the research design and analysis, interpretation of results, and clarity of writing), (2) relevance to advancing the scientific field of human factors, and (3) utility and ease of application to practitioners in the field of human factors. Nominations form: https://forms.gle/V6U6Vq9XGu13wNrK7

2) **AsHFA Taylor Award:** Lifetime achievement award. The University of Illinois, Institute of Aviation established an Aerospace Human Factors Association endowment to fund the Henry L. Taylor Founder's Award, given in recognition of outstanding contributions in the field of Aerospace Human Factors. The Aerospace Human Factors Association annually presents this award to an individual meeting the following criteria: (1) research and publications; (2) special original contributions (e.g., equipment, techniques, and procedures); or (3) general

*See "AsHFA Awards", p. N47*

*From "AsHFA Awards", p. N46*

leadership in the field (e.g., teacher, director of laboratory, officer of scientific societies, etc.). The Institute of Aviation provides a $500.00 honorarium to the selected recipient who will provide a luncheon presentation during the year following their award announcement. Nominations form: https://forms.gle/s4WbRw-G34J5RVFXe6

3) **AsHFA Roscoe Award:** The Stanley N. Roscoe Award is presented for the best Doctoral Dissertation written in a research area related to Aerospace Human Factors. This award includes an honorarium of $500.00. Criteria include (1) significance of the problem and innovativeness of the approach; (2) review of related research; (3) effectiveness of the research design and analysis; (4) interpretation of results; (5) theoretical and practical value of the work; and (6) clarity of writing. Nominations form: https://forms.gle/V861XeEkRTo1uDeg7

4) **ASMA Raymond F. Longacre Award:** Established to honor the memory of MAJ Raymond F. Longacre, MC, USA. It is given annually for outstanding accomplishment in the psychological and psychiatric aspects of aerospace medicine. AsHFA is the sponsor for the AsMA Longacre Award. Nominations and Deadline through AsMA; contact gvargas@asma.org.

**AsHFA Fellows Nominations**
**FINAL DEADLINE FOR FELLOW NOMINATIONS: APRIL 1, 2026.**

To be eligible for nomination as an AsHFA Fellow, the nominee must: (a) have been a member of AsHFA for at least five years, (b) have had a minimum of five years' work experience related to Aerospace Human Factors, (c) have been nominated by a member or Fellow of AsHFA, and (d) have been elected by a majority vote of the AsHFA Fellowship Committee

**Successful candidates will have a history of significant contributions to AsHFA and to the field of human factors**

Nominations form: https://forms.gle/Yo1ozV3ujmHtm4ec7

## E-NEWS ON THE WING

### From Peaches to Peaks: Denver – Here Comes The Wing!

What a Peach of a Time we had in Atlanta! Starting with laughs in our Hospitality Room, our lively Welcome Reception where we proudly posed with our red bags compliments of the Georgia Peanut Commission hoping to be featured on their website, to being enthralled by dolphins and whale sharks at the fabulous Georgia Aquarium, taking care of our Annual Wing Business at Mary Mac's Tea Room, and a thoughtful stroll through the historic Oakland Cemetery to learn some Atlanta history.

**Greetings Wing Family!**

Our time in Atlanta may be behind us, but it's far from forgotten. Now we turn our sights west to Denver. Get ready for another amazing ride!

First and foremost, a heartfelt thank you to everyone who helped make our Atlanta adventure so amazing. Special thanks to Jackie Bohnker, our outgoing Wing President. Thank you so much for serving as The Wing president twice! It's a Wing first. Jackie, thank you for passing the gavel to me and being a support as I take on the role as Wing President for this next year.

Wing members at their Welcome Reception showing off the red gift bags they received.

Our Atlanta Arrangement / Tours / Hospitality team really knocked it out of the park this year. **Michele Garber** coordinated all the Arrangements. She worked with the hotel to make sure the Hospitality Room and Welcome Reception had the right amount of tables and chairs, plenty of sweet tea, lemonade, and coffee. We loved the sweet and savory fare at the Welcome Reception.

**Jen Faulkner and Gay Lynn Barson** showed us what true Southern hospitality is. Jen designed the centerpieces with elements from Georgia, complete with granite, magnolias, cotton, and dogwood branches. Gay Lynn brought special aerospace themed table toppers making perfect centerpiece mats. Gay Lynn's husband, John Barson, also used his connections with the Georgia Peanut Commission for wonderful cans of butter toffee George peanuts, snack size packets of Georgia peanuts, and, of course, the red Georgia Peanut Commission bags that added the perfect touch to the décor.

**The Georgia Aquarium – Tuesday, June 3, 2025**

Guess who arranged the bus for our group, the tour to the Georgia Aquarium, and got us reserved seating for the dolphin show? You guessed it! Michele Garber, our Arrangements Chair.

We weren't allowed to take pictures or videos during the dolphin show due to Aquarium regulations. Here's a cool fact. We had a couple of extra tickets due to some Winglets not able to attend the Aquarium. After we were all accounted for and safely inside the Aquarium, Michele (who was the keeper of the tickets) found a father and son in line and gave them our tickets. Here's the coolest part. They were both chosen to be the audience participants with the dolphin trainers and became part of the show!

*See "Wing News", p. N48*

Wing members gather to go to the Georgia Aquarium.

*From "Wing News", p. N47*


The Wing advance team at Merry Mac's.

**Annual Wing Business Meeting and Luncheon**
**Mary Mac's Tea Room – Wednesday, June 4, 2025**

Many thanks to **Debbie Tripp, Liz Walker and Jackie Bohnker** for being the advance team at Mary Mac's. Jackie provided the centerpieces, Debbie Tripp put together the program, and Liz Walker pulled everything together. Oh, and did we need to mention **Michele Garber** got us on the bus and worked out the contract with Mary Mac's catering office?

**Historic Oakland Cemetery Tour**
**Thursday, June 5, 2025**

**Terry Crane,** Deputy Treasurer and Tours Committee, deserves a special thank you, as well. Terry arranged for this beautiful tour. Terry was there every step of the way for the planning and execution of our wonderful Atlanta meeting. Terry worked closely with **Brenda Clinton,** Wing Treasurer. Brenda had to cancel her trip to Atlanta. She became gravely ill a couple days before time to travel. Brenda has also been involved every step of the way, paying all The Wing's bills and keeping all our accounting straight.

Below is where famous Atlanta author, Margaret Mitchell, is laid to rest. Interesting how many Wing members have actually read the book, "Gone with the Wind," from cover to cover. Most have seen the movie. We shared stories of where each of us were in our lives when we were thinking about being Scarlett O'Hara of days gone by.

It's hard to say goodbye to Atlanta, we have so many wonderful Wing Memories.

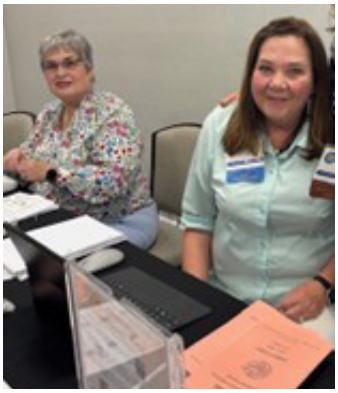

Wing members pause and reflect at Margaret Mitchell's resting place.

Some of the Wing members at Merry Mac's.

Special thanks also go to **Abby Elliott, Registration Chair**, who worked tirelessly on all our Advanced Registration packets! Registration went very smoothly, thanks to Abby. She never left Registration! And, thankfully no one got lost or left out who registered. I hope you're still using your little peach stress balls that Abby gave to everyone. **Debbie Tripp, Julia Elliot, and Liz Walker** also worked behind the scenes at Registration along with **Membership Chair, Yalonda Silberman**.

Last, but by no means least, I'd like to give my gratitude to The Wing's Atlanta **Honorary President, Dale Orford**. Dale helped with everything from the site visit to ideas for the Mary Mac's menu. Dale has been a valuable asset to The Wing! Thank you for everything, Dale!

Our congratulations go to Dr. Bob Orford, for his amazing year as the President of AsMA. His leadership has put AsMA on a straight path to greatness.



Members of the Wing Registration team.

Wing members at the Oakland Cemetary.

## New Members

*AsMA welcomed 52 new members in the past month.*

- Alhashaykeh, Samira; Mahis y Al-Fuhais, Jordan
- Asokan, Veenaajaa; Toronto, Ontario, Canada
- Bahethi, Shilpa; Lanham, MD, United States
- Biernacki, Mark; Saskatoon, Saskatchewan, Canada
- Brancato, Christopher; East Meadow, NY, United States
- Camilo, Jazmin; Miami, FL, United States
- Cherukuri, Aneesh; Novi, MI, United States
- Copeland, Clint; Yorktown, VA, United States
- Donnelly, Glenn; Belton, SC, United States
- Emara, Noha; Cairo, Egypt
- Fink, Jason; Philadelphia, PA, United States
- Galizia, Mauricio; Ann Arbor, MI, United States
- Gernhardt, Michael; Houston, TX, United States
- Ghosh, Devdeep; Suri, West Bengal, India
- Gust, Christian; Waco, TX, United States
- Gyori, Gyula; Debrecen, Hungary
- Hartley, Sarah; Spartanburg, SC, United States
- Iliescu, Ioana; Broxbourne, Hertfordshire, United Kingdom
- Kangas, Esther; New Bern, NC, United States
- Karpiuk, Madeleine; Orem, UT, United States
- Kob, Benjamin; Brookfield, WI, United States
- Kuss, Elizabeth; Panama City, FL, United States
- Lindgaard, Karsten; Odense NV, Denmark
- Lowe, Michael; Gulf Breeze, FL, United States
- Masaliya, Maulik; Hicksville, NY, United States
- Melleklet, Nevtelen; Debrecen, Hungary
- Michno, Manuel; Köln, Germany
- Missak, Johanna; Omaha, NE, United States
- Mostafa, Omar; Birmingham, West Midlands, United Kingdom
- Muñoz Rivera, Christian; Cundinamarca, Colombia
- Nair, Eshi; San Diego, CA, United States
- Pepala, Sandhya; Brambleton, VA, United States
- Plewa, Jack; Galveston, TX, United States
- Ramos Melhado, Vania Elizabeth; São Paulo, Brazil
- Rao, Neha; Pune, Maharashtra, India
- Rosenthal, Hannah; Houston, TX, United States
- Ross, Maia; Englewood, CO, United States
- Rowan, Leah; Houston, TX, United States
- Sahin, Onur; Houston, TX, United States
- Salamanca, Maria Angelita; Bogota, Colombia
- Salhadar, Karim; Olmito, TX, United States
- Schwartz, Joe; Fairfax, VA, United States
- Sharma, Kusum; San Diego, CA, United States
- Stribling, Daniel; Woodville, FL, United States
- Taylor, Laura; Bethesda, MD, United States
- Vasilopoulos, Antonia; Tampa, FL, United States
- Wagner, Philip; New York, NY, United States
- Wagoner, Mark; Normal, IL, United States
- Wang, Michael; St. Catharines, Ontario, Canada
- Willett, Julian; New York, NY, United States
- Williams, Reddoch; Fort Walton Beach, FL, United States
- Yildiz, Omer; Istanbul, Turkiye

*AsMA welcomed back 10 returning members:*

- Cristea, Octav; Atlanta, GA, United States
- Gingerich, Robert; Ewa Beach, HI, United States
- Haley, Alexander; APO, AP, United States
- Harada, Hiroki; Houston, TX, United States
- Jacoby, Simone; Lees Summit, MO, United States
- Madrid, Michael; Adkins, TX, United States
- Miller, Michael; Atlanta, GA, United States
- Stephenson, Samuel; Galveston, TX, United States
- Tracz, Jovanna; Birmingham, AL, United States
- Weipert, Michael; Gulf Breeze, FL, United States

## Meetings Calendar

**Ongoing**: HFACS Workshops; ONLINE. Workshops on the The Human Factors Analysis and Classification System (HFACS) are now available online as well as in person. For more information, please visit https://www.enrole.com/erau/jsp/course.jsp?categoryId=&courseId=HFAC for in-person and https://www.enrole.com/erau/jsp/course.jsp?categoryId=558570F8&courseId=OHFA for online.

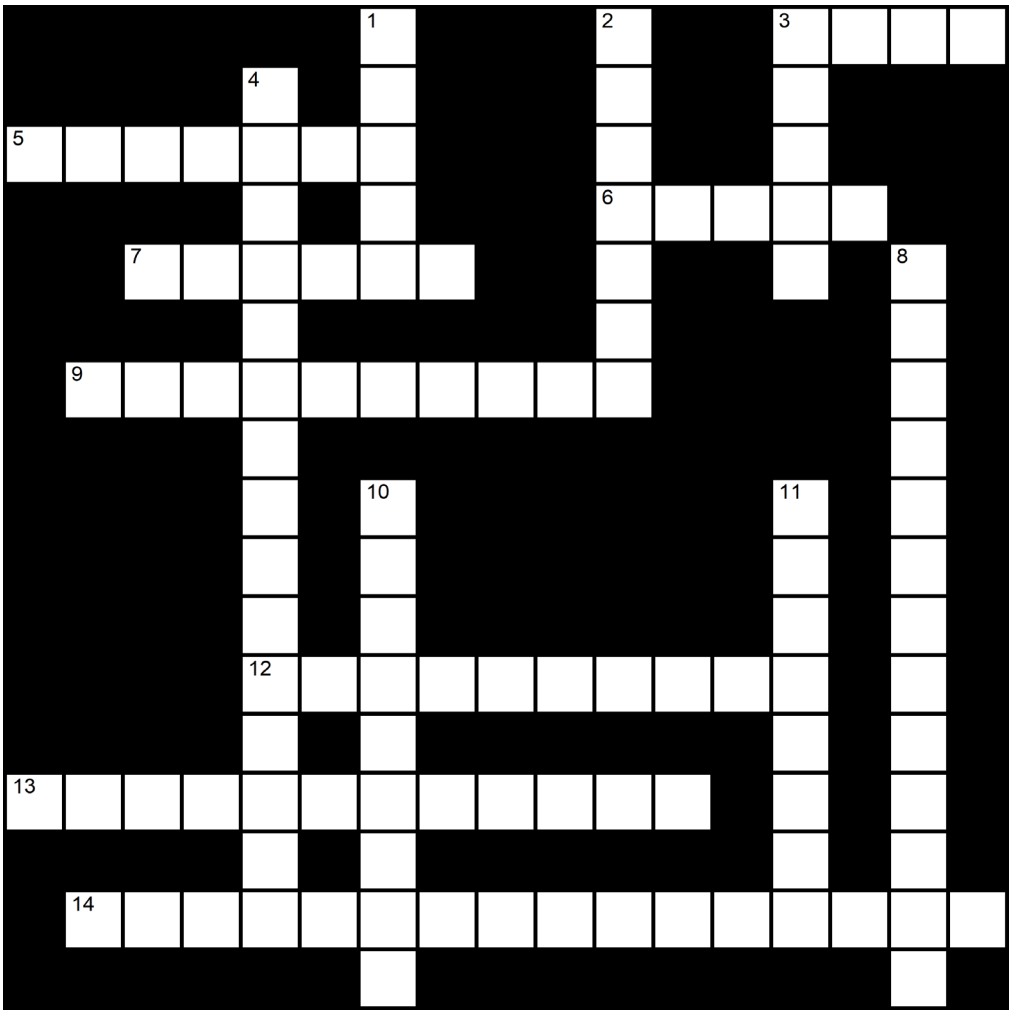
**Sept. 16-18, 2026**; AirMed Word Congress 2026; Munich, Germany. This congress is an important conference for all professionals involved in Helicopter Emergency Medical Services or Air Ambulance services, including physicians, paramedics, nurses, pilots, technical crewmembers, managers, executives, others who contribute to the operation of these systems, and key personnel from the various inerfaces of aeromedical services, industry partners, and authorities. For more information, please visit https://airmed2026.com/.

## Calls for Papers

**Ongoing:** International Astronautical Federation (IAF) Global Networking Forum Space Conversations Series; ONLINE, 14:00 Paris time. Please visit https://www.iafastro.org/events/iaf-gnf-space-conversations-series/ for more info.

## July Crossword Puzzle

*By Lt. Col. Srihari Iyer K, Flight Surgeon, Indian Army, and Dr. Sahana Srihari, Consultant Dermatologist and Paediatric Dermatologist*



### ACROSS

3. Shock diamonds, also known as ____ disks, are bright, diamond-shaped patterns that appear in the exhaust plume of supersonic aircraft and rockets. (4)
5. Reverse _____ barotrauma refers to the pain and potential injury caused by trapped air in the sinuses or middle ear expanding during ascent, when the surrounding pressure decreases. (7)
6. Syncope of ascent can be analogous to _____ syncope. (5)
7. In aviation oxygen systems, a _____ pressure, also known as positive pressure, is used to prevent inboard leakage of cabin air or other contaminants into the oxygen mask. (6)
9. _____ diving is a method where divers spend extended periods underwater at a constant depth, allowing their tissues to become saturated with the inert gases from the breathing mixture. (10)
12. In a molecular sieve oxygen concentrator, the process for concentrating oxygen involves the selective _____ of nitrogen by the molecular sieve material. (10)
13. Decompression sickness is also called _____. (12)
14. Isobaric _____ refers to the phenomenon where different inert gases diffuse in opposite directions across a tissue boundary at the same pressure, potentially leading to bubble formation and decompression sickness. (16)

### DOWN

1. The ratio of the tension of the _____ gas in the tissue to the ambient pressure is called the supersaturation ratio. (5)
2. Many men emerged from the caisson in a bent-over posture, a result of the joint pain, shortness of breath, and abdominal pain and thus Caisson's disease was also called _____ bend disease. (7)
3. Chronic mountain sickness is also called _____'s disease. (5)
4. _____ emulsions functioning as very efficient oxygen and nitrogen carriers, thereby improving tissue oxygenation and denitrogenation have shown promising results in management of cases of DCS. (15)
8. When the saturation point is reached, the _____ time remains consistent regardless of the dive duration. (13)
10. Residual nitrogen time in a dive table represents the amount of _____ nitrogen that is remaining in body tissues after the time. (9)
11. _____ cavitation refers to the phenomenon of vapor bubbles forming in a liquid due to a drop in pressure, which can lead to decompression sickness. (8)

*The solution can be found on p. N52.*

# News of Corporate Members

## Fit2fly and HM Recompression Join AsMA

Fit2fly and HM Recompression Services are the newest Corporate Members of the Aerospace Medical Association. Fit2fly is a company which helps passengers get medical clearance to fly from the airline and a doctor before they board a plane. Whether it is pregnancy, special equipment (e.g., a wheelchair) needed, or a chronic condition, fit2fly will assist because a better prepared passenger means safer travel for all. Fit2fly's online medical questionnaire reduces approval time and is easy to use. Their online platform connects general practitioners, airlines, and passengers, which enables automatic assessment of a passenger's medical fitness for air travel.

HM Recompression Services offers hyperbaric chambers, diver medics, and 24-hour physician support as well as dive medicine training and a diving medicine consultation service. They specialize in treating decompression illness whether it is from altitude or diving exposure and can provide any level of support to an aerospace or diving project. Their diving medical technician program trains divers to manage and treat decompression illness in remote areas and covers all aspects of diving medicine. Their on-site chamber services provide everything needed for chamber and medical operations, including a diver medical technician. This service does not charge extra for the treatment of a diver and provides emergency services while coordinating with local EMS.

*—To read more about fit2fly, please visit their website at http://www.gofit2fly.com/. For more about HM Recompression Services, visit http://hmrecompression.com/.*

## Mayo Clinic Uses Space to Advance Earth Medicine

Mayo Clinic physician and researcher Dr. Abba Zubair's work combines two passions—medicine and space—for the benefit of astronauts and people on Earth. His research in space is yielding discoveries in cancer, stroke, bone loss, and more. The goal of Dr. Zubair's research is to harness the uniqueness of the space environment to advance medicine on Earth by taking advantage of the International Space Station's (ISS's) environment and how it affects human physiology. The absence of gravity and the impacts of radiation and vacuum are three fundamental aspects of the uniqueness of space, adds Dr. Zubair, who has sent three research projects to the ISS since 2017, with more to come. His work focuses in part on adult stem cells and their use in future treatments for stroke. Thus, one of his projects was to see how microgravity influences how stem cells divide and their growth rate. He and his team found that microgravity does affect stem cells, but it depends on the type of stem cell. Thus, this has led to a new project: studying how mesenchymal stem cells, the precursor for bone-forming cells, play a role in bone formation or osteoporosis, bone loss. Dr. Zubair is also studying how leukemia stem cells, the cells that form the seed of this blood cancer, respond to the space environment. He has been honored by NASA with an Exceptional Scientific Achievement Award for his work.

*—Please visit https://newsnetwork.mayoclinic.org/discussion/mayo-clinic-researcher-harnesses-uniqueness-of-space-to-advance-medicine-on-earth/ to read more.*

### Want to see your company's news here?

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## MedAire Partners with Execaire Aviation

MedAire and Execaire Aviation, Canada's premier corporate aviation provider, announced a strategic integration of technology that will significantly enhance real-time risk analysis and operational efficiency for Execaire Aviation's flight crews, base operations, and passengers. This collaboration will seamlessly integrate MedAire's comprehensive services and its advanced Aviation App directly into Execaire Aviation's flight operations. This interface includes linking with Execaire Aviation's proprietary "Fly Execaire" application, providing flight crews and ground teams with unparalleled access to critical, real-time aircraft locations and dynamic risk analysis. The integrated solution will deliver a centralized view of potential medical and security risks along flight paths and at destinations, coupled with real-time aircraft tracking. This holistic approach enables Execaire Aviation to anticipate and mitigate risks more effectively, reinforcing their commitment to the highest standards of safety and operational excellence.

*—Please visit https://www.medaire.com/about/news-centre/medaire-execaire-aviation-announce-new-integration-to-elevate-safety to read more.*

## UTMB Announces Inaugural Epidemiology Chair

The University of Texas Medical Branch (UTMB) announced that Dr. Neil Mehta, Professor of Epidemiology, will assume the role of Inaugural Chair of the Department of Epidemiology effective in July. The appointment represents a significant milestone for the department within UTMB's School of Public and Population Health (SPPH). Dr. Mehta became a founding member of the Department of Epidemiology when SPPH was established in 2022. As incoming chair, Dr. Mehta envisions strengthening the department's existing expertise in infectious disease, chronic disease, and pharmacoepidemiology while fostering new collaborations across UTMB's centers and institutes. He plans to develop a public health innovation incubator focused on Gulf Coast regional challenges, leveraging UTMB's unique geographical position and research infrastructure. The appointment comes at a pivotal time as the department seeks to enhance its educational offerings, including strengthening pipeline programs for aspiring epidemiologists and improving integration between faculty research and student training. Dr. Mehta also emphasized the importance of public scholarship

*See "Corporate News", p. N52*

*From "Corporate News", p. N51*

and science communication as essential components of epidemiological practice. His leadership philosophy emphasizes mentorship, faculty autonomy, and building collaborative networks while maintaining rigorous research standards.

*—Please visit https://www.utmb.edu/spph/about-us/news/article/news/2025/06/30/mehta-named-chair-epidemiology-utmb-spph to read more.*

## AOPA Commends House Committee

The Aircraft Owners and Pilots Association (AOPA) commended the House Transportation and Infrastructure Committee following its passage of the Mental Health in Aviation Act of 2025 on Wednesday, which aims to reform how mental health is addressed in the aviation community. Key provisions in the bipartisan legislation, introduced by Reps. Sean Casten (D-Ill.) and Pete Stauber (R-Minn.), include: requiring the FAA to revise regulations to encourage voluntary mental health disclosures and treatment; calling for annual reviews of the special issuance process to expand treatment options and medications; providing funding to recruit and train more aviation medical examiners, including psychiatrists; and implementing recommendations from the 2024 Mental Health and Aviation Medical Clearances Rulemaking Committee. AOPA served on last year's Mental Health Advisory Rulemaking Committee and supported the recommendations put forward. They have advocated for a balanced approach to pilot mental health—one that protects aviation safety while ensuring pilots are not punished for seeking treatment.

*—Please visit https://aopa.org/news-and-media/all-news/2025/june/11/pr-aopa-commends-house-committee-passage-of-the-mental-health-in-aviation-act to read more.*

## KBR Played Key Role in Landsat 7 Operation

KBR played a key role in the successful launch, operation, and retirement of Landsat 7, which the U.S. Geological Survey (USGS) officially decommissioned on June 4 after more than 25 years in orbit. Launched in 1999, the satellite spent more than two decades capturing detailed images of Earth's surface, tracking changes in climate, landscapes, and urban growth across the globe. As the prime contractor on the Landsat 7 Flight Operations Team task order, KBR supported the mission from launch through final command. The team provided end-to-end mission support, including flight operations, systems engineering, calibration/validation, and science data management. The company worked in close collaboration with the USGS, NASA, and subcontractor Embedded Flight Systems, Inc., to ensure the mission's long-term success. Originally designed for a 5-year lifespan, Landsat 7 went on to collect more than two million images over its 25-year mission. It supported everything from environmental monitoring and disaster response to scientific discovery around the globe.

*—Please visit https://www.kbr.com/en/insights-news/stories/kbr-played-key-role-successful-operation-and-retirement-landsat-7 to read more.*

## Corporate News Bites

**AeroClenz:** AeroClenz recently attended two conferences. The first was the Association for Dental Safety's annual conference in May, which took place in Orlando, FL. The second was the Aerospace Medical Association's own annual meeting this past June in Atlanta, GA. *To read more about these, please visit https://aeroclenz.com/aeroclenz-on-the-road-conference-highlights/.*

**ALPA:** The Air Line Pilots Association (ALPA) has urged the Federal Aviation Administration (FAA) to turn down a petition from Airlines for America seeking a 2-year delay in implementation of mandatory flight deck secondary barriers. Secondary barriers are intended to eliminate vulnerability when the flight deck door is opened during flight. ALPA feels the regulation should be implemented without delay. *To read more, please visit https://www.alpa.org/news-and-events/news-room/2025-06-23-faa-reject-attempts-to-delay-flight-deck-security-measures.*

**Martin-Baker:** Martin-Baker announced they have signed the Armed Forces Covenant, formally pledging their commitment to recognize contributions made by service personnel—regular, reservist, veterans, and military families. The covenant is a promise to those who serve and their families to treat them fairly. This promise underscores the company's dedication to supporting those who serve their communities and countries. *To read more, please visit https://martin-baker.com/news_and_events/armed-forces-covenant/.*

## Crossword Solution