



Ever Upward: July 2020

AsMA Constituent Organization Presidents for 2020-2021

Due to the COVID-19 pandemic, some of our constituent organizations have opted not to change leadership this year. Others transitioned to new leadership in May, as usual, and a few will wait until they meet virtually this summer (AMSRO) or hopefully in October (ASAMS and Society of NASA Flight Surgeons) during the postponed AsMA 91st Annual Scientific Meeting to announce their incoming presidents.

Hosegood Continues as IAMA President

Ian Hosegood, M.B.B.S., FRACGP, FRACMA, FACAsM, D.Av.Med., PGDipOEM, will continue as President of the



International Airline Medical Association (formerly the Airlines Medical Directors Association). The organization decided to postpone their election and induction of new officers until 2021 due to concerns over Covid-19 and its impact on the airline industry. Dr. Hosegood is the Director of Medical Services with Qantas Airways Limited based in Sydney, Australia. He is a Board member on the Australasian

Society of Aerospace Medicine (ASAM) and the Australasian Medical Review Officer Association (AMROA). He is also an AMROA faculty member and holds an academic position with the Bond University Aeromedical Program. Ian has a particular interest in the occupational medicine challenges of the aviation industry, including fitness for duty, fatigue risk management (FRMS), alcohol and other drug misuse, aircraft air quality issues, and aircrew occupational exposure to cosmic radiation. His full biography can be found in the June 2019 issue of *Aerospace Medicine and Human Performance* [Aerosp Med Hum Perform 2019; 90:(6): 593] or in the June 2019 newsletter [<https://www.asma.org/asma/media/AsMA/pdf-journal/pdf-news-2019/june-2019-news3-smaller.pdf>].

Flarity Continues as ANAHPS President

Kathleen Flarity DNP, Ph.D., CEN, CFRN, FAEN, continues as President of the Aerospace Nursing and Allied Health Professionals Society (ANAHPS). Currently, Brig. Gen. Flarity is the Deputy Director of the CU Anschutz Center for COMBAT Research. Additionally, she is the Mobilization Assistant to Command Surgeon, Air Mobility Command, Scott AFB, IL. She is an experienced nurse practitioner, emergency, and critical care flight nurse with over 38 years of military service. She is a Visiting Associate Clinical Professor in Emergency Medicine at the University of Colorado College of Medicine, Aurora, CO.

Brig. Gen. Flarity received her BSN from Coe College, Cedar Rapids, IA, in 1998, and her MSN from the University of Washington, School of Nursing, Seattle, WA, in 1992. She

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earned a Master's of Science in Nursing in 1997 and went on to earn two Doctorates, a Doctorate of Education from Kennedy Western University in California in 2002, and a Doctorate of Nursing Practice in 2012 from Frontier Nursing University in Kentucky.

Brig. Gen. Flarity began her military career as an Army medical specialist in 1980 and received a commission in the U.S. Army Reserve in 1988. She deployed to Saudi Arabia in support of Operations Desert Shield and Desert Storm in 1991. In 1995, she transferred to the Air Force Reserve, 446th Aeromedical Evacuation Squadron, McChord Air Force Base, WA. From 2005 to 2008 she served on the Air Staff as an Individual Mobilization Augmentee to the Director of Air Force Nursing Services and Consultant for Air Expeditionary/Readiness, HQ Air Force, Washington, DC. In 2008 she was selected as the first Commander of the 34th Air Evacuation Squadron at Peterson AFB, CO. In 2011 she deployed as Commander, 455th Expeditionary Aeromedical Evacuation Squadron, Bagram, Afghanistan. She then served as the 302nd Aeromedical Staging Squadron Commander, Peterson AFB, CO. She served as a Mobilization Assistant at Headquarters U.S. Air Force from 2013–2017.

Brig. Gen. Flarity's honors include the American Academy of Nurse Practitioners State Award for Excellence from Washington state, being inducted as a Fellow in the ENA's Academy of Emergency Nursing, being selected as a Distinguished Nursing Alumni for Pacific Lutheran University, the Nightingale Award for Nursing Leadership from Colorado, and receiving the Nurse Researcher Award from the Emergency Nurses Association. Her military honors include the Air Force Commendation Medal with two oak leaf clusters, the Aerial Achievement Medal, the Air Medal, the Meritorious Service Medal, and the Legion of Merit. She is a member a variety of associations, including the Society of Air Force Nursing, Association of Military Surgeons of the United States, the American Academy of Nurse Practitioners, the Air

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and Surface Nurses Association, and Washington State Emergency Nurses Association (ENA), where she was President in 1998. She has served on the Board of Directors for the *Journal of Emergency Nursing*, the Board of Certification for Emergency Nursing, the ENA National Board of Directors, and Chair of the Board of Directors for the Academy of Emergency Nursing.

A prolific author and educator, Brig. Gen. Flarity has published both research and non-research articles and presented papers at over 30 conferences. She has also served as a manuscript reviewer for four journals and on the Editorial Board for the *Advanced Emergency Nursing Journal*.

Fondy is Society of U.S. Army Flight Surgeons President

COL Susan Fondy, MC, USA, is president of the newly reorganized Society of U.S. Army Flight Surgeons, which merged with the Army Aviation Medical Association this year and became the U.S. Army's constituent organization in AsMA. She has just recently been promoted to become the Chief Surgeon of the U.S. Army National Guard Bureau, Arlington, VA. She is also a Member-at-Large on the Council of AsMA, the chair of the Education and Training Committee, and a member of several other committees within AsMA.



COL Fondy received her Bachelor of Science in 1989 from the State University of New York, Binghamton. She earned her M.D. from the State University of New York at Stony Brook School of Medicine in 1994. She then did her Pediatric residency in 1997 at the Medical College of Virginia, Richmond. She received her Master of Public Health in 2011 from UTMB, Galveston, TX. She did her Aerospace Medicine Residency at the Naval Aeromedical Institute, Naval Air Station Pensacola, Pensacola, FL.

COL Fondy served three tours in Afghanistan, including Brigade Surgeon, 10th Sustainment BDE, 10th MTN DIV (LI), Fort Drum, NY, and Bagram, Afghanistan, 2004–2007; Battalion Flight Surgeon, 1-101st Combat Aviation Brigade, 101st Airborne Division (AASLT), Fort Campbell, KY, and FOB Salerno Afghanistan, 2007–2009; and Brigade Surgeon, Task Force Observe, Detect, Identify, Neutralize, Bagram, Afghanistan, 2013–2014. She also served one tour in Iraq as Chief of Primary Care, 21st Combat Support Hospital, 1st Medical Brigade, Tikrit, Iraq, 2009–2010. She was Chief, Flight Physical Review and Disposition, U.S. Army Aeromedical Activity, Fort Rucker, AL, 2014–2015, and Command Surgeon, 3rd Expeditionary Sustainment Command, Fort Bragg, NC, 2015–2017.

An Associate Fellow of AsMA, COL Fondy is a member of the Army Aviation Association of America, the Association of Aerospace Medicine Specialists, and the Space Medicine Association. Her honors and awards include the Bronze Star Medal, the Defense Meritorious Service Medal, five Meritorious Service Medals, the Theodore Lyster Flight Surgeon of the Year for 2014 and the Army Aviation Association of

America Medicine Award (Flight Surgeon of the Year, 2008), two Air Medals, and the Army Commendation Medal.

Musselman Heads AsHFA

Col. Brian T. Musselman, USAF, is the newly inducted president of the Aerospace Human Factors Association. He is currently the Director and



Commander of the 628th Medical Group at Joint Base Charleston, SC. As the Director, he is responsible to the Defense Health Agency for the overall operation of healthcare delivery for approximately 11,000 enrolled beneficiaries. As the Commander, he is responsible to the U.S. Air Force to ensure 628th Air Base Wing and 437th Airlift Wing airmen are medically prepared to support the 60+ Joint Base Charleston mission partners and combatant commanders worldwide. Additionally, he ensures 628th Medical Group personnel are medically ready to support deployment and home station medical response requirements. Under his lead, the 628th Medical Group was selected as the 2018 USAF Surgeon General Clinic of the Year. He also serves as Chair of the Lowcountry Federal Healthcare Alliance, one of only 12 DoD/VA Joint Venture sites in the United States.

Col. Musselman earned a B.S. in Biology in 1994 from the U.S. Air Force Academy in Colorado Springs, CO, and an M.S. in Aerospace Sciences (Aviation Safety) from Embry-Riddle Aeronautical University, Daytona Beach, FL, in 2004. He completed Squadron Officers School in 1999 at Maxwell AFB, AL, and Air Command and Staff College in 2006 by correspondence. He earned a Certificate in Advanced Graduate Studies (Industrial/Organizational Psychology) at Northcentral University, Prescott, AZ, in 2010, and completed Air War College by correspondence in 2012 and in residence in 2016.

Col. Musselman has served as an Aircraft Maintenance and Munitions Officer, an Air Force Reserve Officer Training Corps instructor, an Aerospace Physiologist, an Aviation Mishap Investigator, and the Air Mobility Command Aerospace Physiology Training Program Manager and High Altitude Airdrop Mission Support Functional Manager. He was the 9th Physiological Support Squadron Commander, where he was responsible for specialized full pressure suit support and training for U-2S, DoD, and NASA aviators.

Col. Musselman's awards and decorations include the Defense Meritorious Service Medal; the USAF Meritorious Service Medal with five oak leaf clusters; the USAF Commendation Medal with two oak leaf clusters; the USAF Achievement Medal with two oak leaf clusters; the Air Force Recognition Ribbon; the National Defense Service Medal; the Iraq Campaign Medal; the Global War on Terrorism Medal; the Humanitarian Service Medal; and the Nuclear Deterrence

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Future AsMA Annual Scientific Meetings

Oct. 10-15, 2020: Hyatt Regency Atlanta; Atlanta, GA
May 23-27, 2021; Peppermill Resort Hotel; Reno, NV
April 3-7, 2022; Sheraton Denver Downtown, Denver, CO

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Operations Service Medal. He has also been a recipient of AsMA's Harry G. Moseley Award in 2015 and the Kent K. Gillingham Award in 2018, the Aerospace Physiology Society's Paul Bert Award, and the Life Sciences and Biomedical Engineering Branch's Professional Excellence Award in 2014. He is a Fellow of the Aerospace Medical Association and the Royal Aeronautical Society.

AsPS Incoming President is Deborah White

Dr. Deborah J. White, Ph.D., CAsP, M.B.A, M.A., is the incoming President of the Aerospace Physiology Society (AsPS). She joined AsMA in 1988 and has been recognized as a Fellow of the Aerospace Medical Association. She has been a member of AsPS since 1990, where she oversaw the development of the Aerospace Physiology Board Certification Exam from 2011–2014, and then took over as Exam Treasurer in 2014. She also served as a Member-at-Large on the AsPS Board of Governors from 2016–2019, and then rolled into President Elect. She has also served as President of the Life Sciences and Biomedical Engineering Branch from 2009–2010.



Dr. White is a Commander in the United States Navy, serving as an Aerospace Experimental Psychologist on special assignment to Naval Undersea Warfare Center Division, Keyport. She is a Human Systems Integration (HSI) Project Lead, responsible for providing HSI technical leadership, management oversight, policy guidance, and coordination to the Submarine Force's Virtual Reality Submarine Training Program, ensuring that these areas are focused, relevant, and eminently capable of satisfying current and anticipated force needs. She provides executive and supervisory leadership and authoritative scientific and technical advice to afford future Naval Air Forces the requisite knowledge and technology for critical warfighting capabilities.

Dr. White received her undergraduate degree in Biology from California Polytechnic State University, then attended Wright State University for the initial start of her doctorate degree, and completed her Ph.D. in Cardiovascular Physiology at Colorado State University in Ft. Collins. During her summer months she conducted research studies at USAF Armstrong Laboratory, both at Brooks AFB and Wright-Patterson AFB. Prior to entering the Navy, Dr. White worked as an Aeromedical Business Advisor to ML Lifeguard, a UK company that designed and developed safety and survival clothing for both aviation and submarine international services.

In 1997, Dr. White was commissioned as a Research Physiologist in the Navy and served as a research scientist at the Naval Submarine Medical Research Laboratory until 2000. She then transferred to the Aerospace Experimental Psychology community and went to the Naval Aerospace Medical Institute's Aerospace and Flight Training Program. Upon graduation of the program, she went to the Naval Air Warfare Center as Head of the Human Performance Technology Branch until transferring to the Naval Safety Center in

2003. Prior to arriving at the Naval Safety Center, she attended the Naval Postgraduate School's Naval Aviation Safety Officer Program. She then worked at the Naval Safety Center as Head, Human Factors Analysis Branch for 4 years. In Oct 2007, she was requested by Fleet Forces Staff to take a special duty assignment and provide human factors analysis and aviation mishap expertise to the Safety Directorate (N4S). From 2009–2012 she was assigned as Deputy Director, Contract Support Office at the Naval Health Research Center, serving as the primary Contracting Officers' Representative on over 10 major BUMED research support contracts valued at \$21M.

After entering the Navy, Dr. White earned an M.B.A. in Human Resource Management and Team Building from the University of New Haven and an M.A. in National Security and Strategic Studies degree from the Naval War College. She is also board certified in Aerospace Physiology.

Dr. White's awards include NAVSEA Warfare Center Innovation Award, Michael G. Lilienthal Leadership Award, Fred A. Hitchcock Award, Sonny Carter Memorial Award, Medical Service Corps Director's Award, Navy and Marine Corp Meritorious Service Medal, Navy and Marine Corps Commendation Medal (five awards), Navy Achievement Medal, Navy Meritorious Unit Commendation (two awards), National Defense Service Medal, Global War on Terrorism Service Medal, Military Outstanding Volunteer Service Medal, and Pistol Marksmanship (Sharpshooter).

LSBEB President is Schmidt

Michael Schmidt, Ph.D., is the latest president of the Life Sciences and Biomedical Engineering Branch (LSBEB). Dr. Schmidt is currently CEO and Chief Science Officer of Sovaris Aerospace, LLC, in Boulder, CO. He is also a consultant for the NASA Twins Study of One Year in Space, a Project Director and Principal Investigator for the FAA Center of Excellence for Commercial Space Transportation at the University of Colorado, and a consultant in human performance and advanced molecular profiling for a



number of organizations. He is an innovator in the advancement of multiscale "omics" applied to long-duration spaceflight, the translation of data into clinical methods, and the advancement of pharmacogenomics for safer use of drugs in space. He has also promoted a systems engineering approach to the application of personalized medicine in human spaceflight for two decades. His clinical and research work is focused on multiscale analytics, including involvement in the NASA Twins Study and its post-mission analytics. He has been developing methods to reduce complexity from high dimensional molecular data for the purpose of translating these findings into personalized countermeasures. He has also taught and tested these methods in real-world environments. He and his team have advanced a model of personalized medicine rooted in artificial neural networks to reduce complexity and provide precision spaceflight countermeasures.

Dr. Schmidt directs the U.S. Military Special Forces Track of the Nutritional Genomics Certification Program developed

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by the American College of Nutrition. As a leader in the Precision Medicine and Pharmacometabolomics Task Group of the Metabolomics Society, he has been developing experimental design methods for high dimensional molecular data in small cohorts operating in extreme environments.

Dr. Schmidt earned a B.Sc. in 1987 from the University of the State of New York. He served two Fellowships at NASA Ames Research Center between 2001 and 2003, and then earned a Ph.D. in Molecular Medicine and Biochemistry in 2003 from the Union Institute, NASA Ames Research Center. In 2007, he received an M.Phil. from Lancaster University in the United Kingdom. He earned his second Ph.D., in Neuroscience, in 2016 at Lancaster University with collaborations at the University of Cambridge. He is certified as a Wilderness First Responder through the Wilderness Medical Association, International.

Dr. Schmidt's awards include Most Influential Papers of 2013/2014 from Springer Science Media, Best Review Paper in Metabolomics Award, the PROSE Award for Excellence in Clinical Medicine, the Research and Development Innovation Award from LSBE, and the 2020 Marie Marvingt Award from AsMA.

Almond to Lead Navy Flight Surgeons

CAPT Nathaniel Almond is the incoming 2020–2021 president of the Society of U.S. Naval Flight Surgeons (SUSNFS).



A native of San Diego, CA, he moved around the country many times as the son of a Navy Physician. He graduated from Kempsville High School in VA Beach, VA in 1992. He graduated from Duke University in Durham, NC, with a degree in Mathematics in 1996 and was commissioned through NROTC.

CAPT Almond completed his Doctor of Medicine from the

Uniformed Services University in 2000. He completed an internship in Family Practice at Camp Pendleton, CA before reporting to Pensacola, FL, for flight surgery training. In 2002, Almond was designated a Naval Flight Surgeon before serving as a staff physician at the Physical Exams department at the Naval Aerospace Medical Institute. He completed a Master of Public Health (MPH) degree and General Preventive Medicine residency training at the University of North Carolina at Chapel Hill in 2007 prior to transferring to Navy Environmental and Preventive Medicine Unit FIVE in San Diego, CA, where he served as a Preventive Medicine Officer and Officer in Charge of Forward Deployable Preventive Medicine Unit Team 5. During this tour he also served at Expeditionary Medical Facility Kuwait as Director of Public Health.

In 2010 CAPT Almond transferred to Pensacola, FL, for further graduate medical education, completing residency training in Aerospace Medicine and Occupational Medicine. He then served for 6 months as Associate Program Director of the Army's Occupational Medicine Residency while awaiting orders. In 2013, he transferred to USS *Dwight D. Eisenhower* (CVN 69) as head of the medical department. In 2015,

he then reported to the Naval Aerospace Medical Institute as the Associate Program Director for the Navy Residency in Aerospace Medicine (RAM). He was chosen after a year in that position to become the Program Director and is now in his fourth year as the Program Director.

CAPT Almond is board certified in Aerospace Medicine, Occupational Medicine, and General Preventive Medicine. His personal awards include the Meritorious Service Medal (2); Navy and Marine Corps Commendation Medal (3); and the Naval Volunteer Medal.

Goodman to Head USAF Flight Surgeons

Col. Theresa Goodman is the incoming president of the Society of U.S. Air Force Flight Surgeons. She is the commander of the USAF School of



Aerospace Medicine USAFSAM), 711th Human Performance Wing, Wright-Patterson AFB, OH. USAFSAM, the premier institute for education and consultation in Aerospace and Operational Medicine, trains 5,000 DoD, international, and civilian students each year, services over 6,000 requests for expert consultation, and provides clinical, radiation, environmental, and industrial laboratory services.

Col. Goodman received her B.S. degree in Cell and Molecular Biology from the University of Washington, Seattle, WA, in 1995. She received her commission in 1995 through the Air Force Reserve Officer Training Corps program at the University of Washington. She earned her M.D. from the Uniformed Services University of the Health Sciences in 1999 and she is board certified in three medical specialties: Family Medicine, Aerospace Medicine, and Occupational Medicine. She earned her M.P.H. in 2009 from Harvard University, Cambridge, MA. She attended the Air War College and received her Masters of Strategic Studies in 2015.

Col. Goodman's career includes a variety of operation assignments as a medical provider and Aerospace Medicine Specialist, including Commander, 20th Aerospace Medicine Squadron, Shaw AFB, SC; Commander, Inspector, HQ Air Force Inspection Agency, Kirtland AFB, NM; and most recently Commander, 18th Medical Group, Kadena Air Base, Japan. Her awards include the Legion of Merit, Meritorious Service Medal with 4 oak leaf clusters, the Air Force Commendation Medal, the Air Force Achievement Medal, and various other unit and campaign medals.

Save the Date!

The IAF has postponed the GLEX in St. Petersburg and the IAC in Dubai. However, they will be hosting a virtual IAC 2020. The **71st International Astronautical Congress—The CyberSpace Edition** will take place **12–14 Oct. 2020**. The IAF also has new dates for the **72nd International Astronautical Congress, IAC 2021, Dubai, UAE, from 25–29 Oct. 2021**. The IACs in **Paris** and **Baku** are postponed. For more, please visit <http://www.iafastro.org/events/iac/iac-2020/>.

Mathers Is Incoming SMA President

Charles H. Mathers, M.D., M.P.H., FAsMA, is the incoming president of the Space Medicine Association (SMA). Dr.



Mathers completed a Bachelor of Arts degree from Rice University in 2002. He subsequently worked at NASA Johnson Space Center as a member of the Space & Life Sciences Directorate before enrolling in medical school at the University of Texas Medical Branch in Galveston, TX. He graduated in 2007 with honors and accepted a position with the combined UTMB/NASA Internal

Medicine/Aerospace Medicine Residency Program. Notable accomplishments during residency include serving as Chief Medical Resident from 2010–2011, awards for Outstanding Intern and Resident in Internal Medicine, and receiving the AsMA's Julian E. Ward Memorial Award, sponsored by the Society of USAF Flight Surgeons.

Dr. Mathers' work experience includes serving as Senior Associate Consultant with the Division of Preventive, Occupational, and Aerospace Medicine at Mayo Clinic Arizona, Assistant Professor and Associate Program Director of the UTMB/NASA Aerospace Medicine Residency Program, and Director of UTMB's Aerospace Medicine Center. During his time at UTMB, Dr. Mathers also served as Assistant and Interim Director of the Center for Polar Medical Operations. He deployed to McMurdo and South Pole Stations in Antarctica during the 2014–2015 summer season. In 2018, Dr. Mathers joined the Federal Aviation Administration as a Medical Officer for the Aerospace Medical Certification Division.

Dr. Mathers is a Fellow of the Aerospace Medical Association, member of the International Academy of Aviation & Space Medicine, and Past President of the American Society of Aerospace Medicine Specialists and AsMA Corporate Forum. Dr. Mathers is also a member of the Texas Air National Guard and serves with the 147th Medical Group at Ellington Field Joint Reserve Base, Houston, TX.

Fellows Class of 2020 Announced

The following AsMA members have achieved Fellows status and were approved: Douglas Boyd; Natacha Chough; Rowena Christiansen; Iliaria Cinelli; Swee Weng Fan; Franz Hauer; Roger Hesselbrock; Stephen Houston; Jeffery Hovis; Kenneth Ingham; Sarper Karakucuk; Jennifer Law; Kris Lehnhardt; Dag Lemming; Amanda Lippert; Kate Manderson; James McEachen; Lindsey McIntire; Mark McPherson; Felix Porras; Roland Quast; Carol Ramsey; Brian Self; and Jayashri Sharma.

News of Members

David G. Newman, M.B., B.S., D.Av.Med., MBA, Ph.D., has joined the staff of the Centre for Human and Applied Physiological Sciences, Kings College London as Visiting Professor of Aerospace Medicine. He is a Fellow of the Aerospace Medical Association.

Gloria Carter Retires

Gloria Carter, Director of Member Services, retired at the end of June. She had worked for the Aerospace Medical Association for nearly 40 years, starting in October 1981. When she arrived in the home office, the membership records were kept on punch cards that were fed into a label machine every month to churn out the mailing labels for the journal and other member mailings. Gloria worked with journal managing editor Fred Stoffel to computerize all the member records and input much of the membership information.



Gloria attended her first Annual Meeting in 1982 and only missed one in 1984, when her daughter was born. In the 1984 Minutes of the Annual Business Meeting, Dr. Rufus Hesselberg, EVP, reported: "Membership has continued to increase slowly during the year. We came close to meeting the 4000-member goal... I would be remiss if I did not mention the efforts of Gloria Carter (Gloria James until this year) and Bobbie Buchanan of the home office who wrote to all the delinquent members of the 10 years 1972–1982. Their efforts resulted in more than 200 of those reinstating their memberships. Many members signed up new members during the year, and we owe them our thanks as well."

Over the years Gloria received three President's Citations along with other HQ staff. She always enjoyed seeing and spending time with attendees at the meetings. She is looking forward to spending time with her children and grandchildren now that she is retired. AsMA wishes her well in all her future endeavors.

AMHP Still in Top 20 on Ingenta

Aerospace Medicine and Human Performance (AMHP), the Association's Blue Journal, is in the top 20 for downloads for May 2020, including under its former name.

Aerospace Medicine and Human Performance ranked 5th with 3,293 downloads.

Aviation, Space, and Environmental Medicine ranked 16th with 1,922 downloads.

New Members

AsMA welcomes 34 new members in July.

Asadi, Mona; Glendale, AZ, United States
Assani, Keavash; Englewood, OH, United States
Bautista, Saul; Simpsonville, SC, United States
Brent, Mikkel; Aarhus, Denmark
Budwany, Ryan; Morgantown, WV, United States
Carter, Del; Gainesville, FL, United States
Chan, Eric; San Antonio, TX, United States
Chavez, Jose; Valley Village, CA, United States
Colbert, Brett; South Miami, FL, United States
Cristea, Octav; Ottawa, Ontario, Canada
Diaz, Daniel; Bay City, MI, United States
Ene, Andre; Lexington, KY, United States
Gotshall, Rosemarie; Goodyear, AZ, United States
Herman, Dakota; Oakville, Ontario, Canada

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Ing, Edsel; Toronto, Ontario, Canada
Jarosz, Christopher; Arcadia, CA, United States
Jomaa, Jamil; Dearborn Heights, MI, United States
Lehman, Joshua; Sarasota, FL, United States
Lim, Zhen Zong; London, United Kingdom
Mahoney, Christopher; Niceville, FL, United States
Mok, Tin Ming; Marshall, MN, United States
Morar, Satya; Dayton, OH, United States
Overman, Emily; Galveston, TX, United States
Patel, Satyam; Sugar Land, TX, United States
Pattabhi, Deepti; Canton, MI, United States
Pavel, Forest; Kansas City, MO, United States
Ravi, Manoj; Killeen, TX, United States
Rhode, Michael; League City, TX, United States
Richard, Zachary; Hammond, LA, United States
Shehirian, Rita; Vista, CA, United States
Subramaniam, Sathyaseelan; Las Vegas, NV, United States
Tran, Vienna; Adelaide, South Australia, Australia
Tukel, Connor; Franklin, MI, United States
Wilson, Daniel; Tauranga, New Zealand

AsMA welcomes back 2 members:

Grace, Margaret; Ayr, United Kingdom
Stoneham, Emily; Ridgecrest, CA, United States

In Memoriam: Tommie Church

AsMA HQ staff were saddened to hear of the passing of Tommie G. Church, D.O., M.P.H., Col.(Ret.), USAF. He was



A Fellow of the Aerospace Medical Association (AsMA) and was on AsMA's Task Force on Space Travel which wrote the *Medical Guidelines for Space Passengers* published in 2001. A native of Missouri, he earned his D.O. at the Kansas City College of Osteopathic Medicine in 1974 and an M.P.H. at the University of Texas, San Antonio, in 1983. He was a

Resident in Aerospace Medicine at the U.S. Air Force School of Aerospace Medicine (USAF-SAM), Brook AFB, TX, from 1983–1984.

After practicing medicine in Cameron, MO, for several years, Dr. Church joined the Air Force and enjoyed a 30-year decorated career as a Flight Surgeon specializing in Aerospace Medicine. He rose to the rank of Colonel and held the position of Commander of USAFSAM in San Antonio, TX, from 1996–1998. Before retiring, he deployed to Balad Air Base, Iraq, in 2004. During his career, he held a variety of positions. He was Chief of Aerospace Medicine at Hahn Air Base in West Germany from 1984–1987, then Chief of Flight Medicine at the Aeromedical Consultation Service, School of Aerospace Medicine, from 1987–1990. In 1990, he became Major Command Chief Flight Surgeon at Randolph AFB, TX. In 1992, he moved to USAFSAM as Director of Aerospace Medicine Residency. In 1994, he became Chairman of the Department of Aerospace Medicine and Director of the International Student Program. He became Commander and Dean in 1996. From 1998 to 2003, he was also an Assistant Professor in Preventive Medicine at the

Uniformed Services University of the Health Sciences, Bethesda, MD. From 2003–2006, he was Chief of Flight Medicine at the 96th Aerospace Medicine Squadron, Eglin AFB, FL.

Dr. Church retired from the military in September 2006. He held a National Defense Service Medal with 1 oak leaf cluster, a Joint Meritorious Unit Award, Air Force Organizational Excellence Award, an Iraq Campaign Ribbon, the Global War on Terrorism Expeditionary Medal, and Global War on Terrorism Service Medal.

In Memoriam: Tim Jex

Staff at AsMA Headquarters were saddened to learn that Brig. Gen. Timothy T. Jex, USAF (Ret.), has died after a long



illness. He was the former commander of the 711th Human Performance Wing, Wright-Patterson AFB, OH, USA. A native of Buffalo, NY, he attended Brigham Young University where he earned a Bachelor of Science Degree with a double major in Zoology and Japanese. He entered the Air Force in June 1983 as a distinguished R.O.T.C. graduate. He then earned his medical degree

from The Uniformed Services University of the Health Sciences in 1987 and served in a variety of command and leadership positions beginning with his first operational tour in 1988 at Wurtsmith AFB, MI. He completed the USAF Residency in Aerospace Medicine in 1997, where he also earned his Master's Degree in Public Health and dual board certification in Aerospace Medicine and Occupational Medicine.

From 1997 to 1998, Brig. Gen. Jex served as Flight Commander, Aerospace Medicine Flight, Kunsan Air Base, South Korea. He was then assigned as Commander of the 374th Aerospace Medicine Squadron, Yokota Air Base, Japan, until 1999. During that time, he was also Deputy Commander of the 374th Medical Group, also at Yokota Air Base, which he held until 2000. From 2000–2001, he attended the Air War College at Maxwell AFB, AL, USA. Following that, he became Command Surgeon of U.S. Central Air Forces (USCENTAF), Shaw AFB, SC, USA, and was AFFOR Surgeon for Operations Enduring Freedom and Iraqi Freedom, and was responsible for the planning and execution of all Air Force medical operations in the CENTCOM AOR during that period. In 2004, he became Commander of the 16th Medical Group, Hurlburt Field, FL, USA, until 2006, when he became Command Surgeon of Air Force Special Operations Command (AFSOC) at Hurlburt Field. In 2008, he was promoted to Deputy Assistant Surgeon General, Healthcare Operations, Office of the Surgeon General, at the Pentagon in Washington, DC, USA. In 2010, he transferred to Ramstein Air Base, Germany, and served as Command Surgeon, U.S. Air Forces in Europe until 2011, when he returned to the United States to serve as Vice Director of the 711th Human Performance Wing. He became Commander in 2012 and retired in 2016.

Brig. Gen. Jex was a member and Past President of the Society of U.S. Air Force Flight Surgeons, a founding mem-

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ber of the American Society of Aerospace Medicine Specialists, and a Fellow of the Aerospace Medical Association. He was a Chief Flight Surgeon with almost 1400 flying hours. His decorations included the Legion of Merit with two oak leaf clusters, the Bronze Star Medal, the Defense Meritorious Service Medal, the Meritorious Service Medal with two oak leaf clusters, the Air Medal, and the Aerial Achievement Medal with two oak leaf clusters. An online obituary is available at <https://www.newcomerdayton.com/Obituary/185971/Timothy-Jex/Dayton-OH>.

In Memoriam: Stephen Blizzard

AsMA was saddened to learn that Dr. Stephen V. Blizzard, a Fellow of AsMA, died in early June. Born in Port of Spain,



Trinidad, he studied at the University of Edinburgh, Scotland, graduating with a B.Sc. in 1953, and earned his medical degree at the University of Western Ontario in 1963. After completing military training and earning his wings, he attended the Royal College of Physicians in London, where he became a specialist in aviation medicine. He then served as a Flight Surgeon with the Canadian Armed

Forces for over 16 years.

From 1968–1976, Dr. Blizzard returned to the Caribbean, where he ran a medical practice in Port of Spain. He wrote and presented the first Aviation Medicine in the Caribbean paper, entitled 'Aerial Transportation of Patients.' When he

retired from the military, he worked at the Department of Civil Aviation Medicine as a Medical Examiner and a member of the Air Transport Licensing Authority. During that time, he helped develop standards for Civil Aviation Medical Examiners.

Dr. Blizzard was a member and Past President of the International Civil Aviation Medical Association and the Canadian Society of Aerospace Medicine, a member and selector of the International Academy of Aviation and Space Medicine, a member of the Canadian Medical Association, and was on the North Atlantic Treaty Organization (NATO) Advisory Group on Aerospace Research and Development. His awards included the 2008 Harry Jerome Award and the Trinidad Icon Award.

An online obituary can be found at <https://ottawacitizen.remembering.ca/obituary/stephen-blizzard-1079357392>.

MEETINGS CALENDAR

Due to the coronavirus, please check the websites of meetings listed here to see if they have been postponed/cancelled.

Aug. 9-11, 2020, Australasian Society of Aerospace Medicine - Humans in Space: Challenges for Exploration; University of Tasmania, Hobart. Visit www.asam.org.au/ for more info.

Sept. 17-20, 2020; Australasian Society of Aerospace Medicine Conference, Hobart Grand Chancellor, Tasmania. **CANCELLED**. Visit <https://event.icebergevents.com.au/asam2020> for more info.

Sept. 24-26, 2020; 1st International Conference of Aerospace Medicine (ICAM 2020); Paris, France. **POSTPONED** until 2021. For more information, please visit <https://www.icam2020.com/>.

NEWS OF CORPORATE MEMBERS

Medaire App Assists with In-Flight Medical Response

MedAire has announced the launch of its medical event assessment app. The app helps expedite time to care for passengers experiencing medical issues during flight, allowing crew to easily capture important diagnostic information and transmit it to MedAire's medical advisory service, MedLink, for expert advice and assistance. The app was developed to help crew accurately gather necessary information—such as chief medical complaint, vital signs, symptoms, and medical history from the ill passenger. The information can then be seamlessly shared with the ground-based medical team at MedAire's MedLink center. In addition, the app provides detailed guidance for the crewmember on next steps for the most common—and serious—types of events that occur during flight. Guidance may include obtaining the onboard medical kit, providing oxygen, or donning personal precaution equipment (PPE).

The new app complements the holistic approach to medical risk mitigation services offered by MedAire to help to support passenger confidence when flying. These include Covid-19/ Contagious Disease Health Screening for passengers and crew; medical advice and assistance for in flight medical issues; and cabin crew medical training. Airlines incorporating

the app with their MedAire MedLink service receive:

- * Intuitive, guided patient assessment instructions for crew to expedite care based on type of medical event.
- * Enhanced passenger and crew confidence in the ability for the carrier to respond to in-flight medical events.
- * Improved communications—the app provides the ability to communicate directly from the cabin via handheld device to MedAire's MedLink doctors.

The new app is available as part of MedAire's MedLink medical advisory service for in-flight medical events.

—Please visit <https://www.medaire.com/about/news-centre/press-release-detail/2020/06/03/new-app-assists-during-in-flight-events> to read the full press release.

Mayo Finds Convalescent Plasma Safe

Mayo Clinic researchers and collaborators have found investigational convalescent plasma to be safe following transfusion in a diverse group of 20,000 patients. The findings from the U.S. Food and Drug Administration's Expanded Access Program for COVID-19 are reported in *Mayo Clinic Proceedings*. The safety report assessed the 7 days following transfusion for hospitalized patients between April 3 and June 11 who were deemed at risk of progressing to a severe or

See 'Corporate News,' p. N34

life-threatening condition. Nearly 40% of the patients were women, 20% African Americans, nearly 35% Hispanic, and 5% Asian. Compared to 12% in a previous safety study, 7-day mortality rates declined to 8.6 % in the first 5,000 transfused patients. Serious adverse events continued to be less than 1%. This expanded safety report revealed a decline in mortality which appears contemporary with the more rapid availability of plasma for use, but the authors caution that this alone does not provide any evidence on effectiveness of convalescent plasma for treating COVID-19. Given the accelerating use of the therapy, research is now broadening its focus to determine indicators of efficacy.

—Please see <https://newsnetwork.mayoclinic.org/discussion/mayo-finds-convalescent-plasma-safe-for-diverse-patients-with-covid-19/> for more on this.

Martin-Baker Australia Achieves ISO Recertification

Martin-Baker Australia was recently subject to a full systems audit at the Williamtown Facility in New South Wales, Australia. The audit was concluded with re-certification of ISO9001:2015 for MB Aus thanks to the dedication and hard work of the whole team. Whilst Williamtown was chosen as the location to host the audit, re-certification meant that it was a full systems audit, which involved all processes governing operations at both Martin-Baker Australia sites: Williamtown and Pearce. In addition to the great result with ISO-9001:2015, Martin-Baker Australia are now progressing to plan for AS9110 Certification and anticipate having full certification by the end of 2020 with plans to achieve EASA Part 145 by 2021.

—Please visit <http://martin-baker.com/2020/06/16/martin-baker-australia-achieves-iso90012015-re-certification/> to read more and see the photos.

KBR Recognizes Employees for HSSE Excellence

KBR President and CEO Stuart Bradie recently announced the winners of the 2019 KBR CEO Award for Health, Safety, Security and Environment (HSSE) Excellence. This is given to individuals or groups who exemplify HSSE leadership and overall performance and personify the Zero Harm mindset rooted in the foundation of KBR's company culture. Award nominees were selected by Business Unit Presidents and submitted to Bradie for consideration. KBR's Mark Richards, Contract Manager, Government Services EMEA, was the first recipient of this year's KBR CEO Award for HSSE Excellence. Located at the British Embassy in Mogadishu, Somalia, he has made tremendous contributions to health and safety for the past 3 years. The next winner of this year's award is the Logistics Civil Augmentation Program (LOGCAP) IV – Task Order 0009 team. Based in the Arabian Peninsula, Task Order 0009 is comprised of approximately 700 professionals

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Corporate News Bites

SAA: South African Airways (SAA) has secured approvals to operate repatriation flights to and from several international destinations during the lockdown. The airline encourages the use of its portal for those interested in the repatriation flights. This is after SAA was granted a special dispensation to continue to operate international repatriation flights due to continued demand. *To read more, please visit <https://www.flysaa.com/about-us/leading-carrier/media-center/media-releases/newsroom#>.*

Serco: Serco Asia Pacific announced some changes to their Group Executive Committee. The CEO of the UK and Europe branch is stepping down and the CEO of the Asia Pacific branch will take his place. The Managing Director of Australian Citizen Services will take his place as the new CEO of the Asia Pacific branch. *For more, please see <https://www.serco.com/media-and-news/2020/changes-to-the-group-executive-committee>.*

IFALPA: The International Federation of Air Line Pilots' Associations (IFALPA), in partnership with the International Transport Workers' Federation (ITF), are calling for aviation regulators and employers fully address health, safety, and security concerns before they re-open their borders to air services. In order to ensure crew and passenger safety as flights restart, IFALPA and ITF released a paper outlining key considerations that need to be addressed for safe return and guidance on what measures need to be implemented on aircraft in order to ensure this happens. *To read the full release, please visit <https://www.ifalpa.org/news/ifalpa-itf-press-release-skies-must-be-safe-before-world-starts-flying-again/>.*

ALPA: The Air Line Pilots Association, Int'l (ALPA), recently sent a letter to the U.S. Senate Committee on Commerce, Science, and Transportation outlining additional measures needed to ensure the economic recovery of the airline industry while providing important protections for frontline workers. They are calling for extension of the CARES Act worker support program until October, ensuring health care coverage for frontline workers, hazard pay for essential workers, bankruptcy code reform to protect workers' collective bargaining agreements, and extended sick leave, unemployment benefits, and furlough mitigations. *Please see <http://www.alpa.org/news-and-events/news-room/2020-06-17-expedite-airline-industry-recovery> for more.*

represented by 17 nationalities working in two different countries (Kuwait and the United Arab Emirates), and even with all the distance and diversity they embody a Zero Harm culture. The final winner of the award is the Exxon-Mobil BLADE Project team based in Beaumont, TX. These KBR employees have brought their unwavering commitment to Zero Harm to the BLADE project at ExxonMobil's Beaumont refinery, which upon project completion will be the largest in the United States. They have implemented KBR's proven Safety Energy Program and combined that methodology with solutions that keep employees and the community safe. KBR congratulates the winners and all the nominees.

—Please see <https://www.kbr.com/en/insights-events/stories/kbrs-stuart-bradie-recognizes-employees-hsse-excellence> for more on this.

NIOSH Study Shows Health Risk Behaviors in Construction

New research from the National Institute for Occupational Safety and Health (NIOSH) recently published in the *Journal of Occupational and Environmental Medicine* suggests that several behaviors that contribute to higher health risks are more prevalent among construction workers than workers in other industries. Previous studies suggested that construction workers who exhibit certain health risk behaviors may be more likely to experience work-related injuries. NIOSH researchers explored how common health risk behaviors are among this workforce. The study looked at six health risk behaviors among construction workers compared to workers in other industries. The main findings showed: smoking, smokeless tobacco use, binge drinking, no leisure-time physical activity, and not always using a seatbelt were significantly more prevalent among construction workers, and especially construction managers, than in the general workforce; getting less than 7 hours of sleep a day was significantly less prevalent among construction workers as compared to the general workforce; behavior changes among construction managers could have positive effects on the safety and health culture in the construction industry; carpenters, construction laborers, and roofers all had significantly elevated prevalences for five of the six behaviors (all except short sleep); roofers, as well as electrical power-line installers and repairers, had significantly elevated prevalences for binge drinking; and operating engineers, who operate and maintain heavy earth-moving equipment, had very high rates for smokeless tobacco use. The survey covered 38 different construction occupations, including laborers, project managers, those in construction trades, and contractors, and was conducted by telephone across 32 states, from 2013 to 2016.

—Please visit <https://www.cdc.gov/niosh/updates/upd-06-22-20.html> for the full story.

FAA AME Seminars

June 22-26, 2020	Oklahoma City, OK	Basic
Aug. 7-9, 2020	Washington, DC	Refresher
Sept. 11-13, 2020	Denver, CO	Refresher
Sept. 24-26, 2020	Albuquerque, NM	CAMA
Oct. 19-23, 2020	Oklahoma City, OK	Basic
Nov. 20-22, 2020	Oklahoma City, OK	Refresher
Jan. 29-31, 2021	Raleigh, NC	Refresher
March 22-26, 2021	Oklahoma City, OK	Basic
May 24-27, 2021	Reno, NV	AsMA

Please check the FAA website for more information.

PLEASE NOTE: AsMA only takes registrations for the seminar held in conjunction with our annual meeting, which has been postponed to October 2020.

AOPA Offering Pilot Passport Contest

The Aircraft Owners and Pilots Association's (AOPA's) home base of Frederick, MD, has called off fireworks celebrations due to the coronavirus pandemic, as have many towns. So AOPA would like to turn the entire month of July into a celebration. During the month of July, they suggest that pilots get out to their airport, log in to the AOPA app for the Pilot Passport contest, and start flying. Pilots can earn badges by sharing on social media (after landing, of course), posting photos, comments, and ratings, and checking in to airports. The four individuals with the most badges earned in July will win an AOPA *Freedom to Fly* book and a PilotWorkshops Real World Coast to Coast USB drive. AOPA also suggests that if local regulations permit, taking someone else along and introducing them to the joy of flight.

—Please see <https://www.aopa.org/news-and-media/all-news/2020/june/22/exercise-your-freedom-to-fly-win-a-prize> to read more about this.

IAF GNF Space Conversations Series

The International Astronautical Federation (IAF) is pleased to announce the launch of a new initiative: the IAF GNF Space Conversations Series, fortnightly, free-of-charge registration, live online webinars that will touch upon the most recent developments in space, organized within the frame of the IAF Global Networking Forum (IAF GNF). These bi-weekly live conversations will cover topics that are relevant for the overall space community. **An ongoing Call for Proposals is now open.** Selection for the IAF GNF Sessions will be based on: relevance of the topic to the current space sector and worldwide developments; timeliness; quality and originality; and novelty and originality.

The IAF GNF Space Conversations Series will start 16 September 2020 and will take place on a bi-weekly basis, every Wednesday prior and following the IAC 2020—The CyberSpace Edition. The sessions will start at 14:00 Paris time and will not exceed the 60-minute timeframe. For more information, please contact gnf@iafaastro.org.

Preventive Medicine 2020 Online

The American College of Preventive Medicine's Annual Meeting is moving online across three days this summer: July 15, July 29, and August 12. Topics covered will include innovations in community health, public health policy, evidence and practice, health systems transformation, lifestyle medicine and much more. The meeting will also offer 15 CME/MOC credits, and provide virtual networking opportunities for professional development. Learn more about the meeting online at <http://pm2020.acpm.org/>.