



Ever Upward: June 2019

AsMA Constituent Organization Presidents for 2019-2020

Hosegood to Head IAMA

Ian Hosegood, M.B.B.S., FRACGP, FRACMA, FACAsM, D.Av.Med., PGDipOEM, is the incoming President of the International Airline Medical Association (IAMA). Dr. Hosegood is the Director of Medical Services with Qantas Airways Limited based in Sydney, Australia. He is an experienced Aviation Medicine Specialist and also has specialist qualifications in Family Medicine, Occupational Medicine and Medical Management. His entry to aviation medicine was through the Royal Australian Air Force (RAAF) where he



held various senior roles including time at the Institute of Aviation Medicine and an exchange posting to the UK where he completed his Diploma in Aviation Medicine at Farnborough. Subsequent roles have included Vice President of Clinical Services in Emirates Airlines, Principal Medical Officer at the Australian Civil Aviation Safety Authority and General Manager Health Services with the Royal Flying Doctor Service. Ian is currently on the IATA Medical Advisory Group (MAG), the AMDA Executive Council, and has previously been on the ICAO Medical Provisions Study Group (MPSG). 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.

Florum-Smith Continues as ANAHPS President

Aubrey Florum-Smith, Ph.D., RN, is continuing as President of the Aerospace Nursing and Allied Health Professionals Society (ANAHPS) for another year. She is currently a Nurse Scientist with Envision Physician Services and recently became an affiliate member of the Graduate Faculty at the University of Alabama Huntsville. She also recently became a member of the Nursing and Space Life Sciences Committee.



Dr. Florum-Smith earned a Bachelor of Science in nursing (BSN; cum laude) and a Ph.D. in nursing science from the University of Miami (Graduate School Award of Academic Merit). She is enrolled in the M.S. in

Human Factors program at Embry-Riddle Aeronautical University, with a specialization in aerospace. Her full biography can be read in the June 2018 issue of *Ever Upward* (Available at <https://www.asma.org/asma/media/AsMA/pdf-journal/pdf-news-2018/june-2018-news.pdf>).

Jacques Continues as AAvMA President

LTC(P) Mark Jacques continues as the President of the Army Aviation Medical Association (AAvMA). He is currently the U.S. Army Aviation Center of Excellence (USAACE) Command Surgeon. He serves as advisor on all operational medicine and aviation medicine issues to the Commanding General of USAACE, who is also the U.S. Army Aviation Branch Chief. He received a B.S. in Biology from Rensselaer Polytechnic Institute in 1995, his M.D. from the State University of New York at Stony Brook in 1999, and his



M.P.H. from the University of Texas Medical Branch in 2008. He is board certified in Aerospace Medicine, Occupational Medicine and Pediatrics. He is a Fellow of both the American Academy of Pediatrics and the Aerospace Medical Association. For his full biography, please see the July 2018 issue of *Ever Upward*, AsMA's newsletter (p. N42; available at <https://www.asma.org/asma/media/AsMA/pdf-journal/pdf-news-2018/july-2018-news-rev4A.pdf>).

Shurlow to Lead ASAMS

Col. Charles A. Shurlow is the new President of the American Society of Aerospace Medicine Specialists (ASAMS). He is currently the Ohio State Air Surgeon, Joint Force Headquarters, Ohio Air National Guard, Beightler Armory, Columbus, OH. He is responsible to the Adjutant General for ensuring Ohio Air National Guard medical operations and policy enhance the medical readiness of the more than 4,900 airmen across four flying wings and six support units. He is also a civilian contractor for STS Systems Integration as the Chief Flight Surgeon for the Medical Flight Standards Branch of the Aeromedical Consult Service, USAF School of Aerospace Medicine.



Col. Shurlow graduated from Ferris State University in Big Rapids, MI, in 1981 with an Associate degree in Applied Science and then earned a B.S. in Biology and Chemistry at

See 'Shurlow', p. N23

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

From 'Shurlow,' p. N22

Central Michigan University in Mt. Pleasant, MI. Following that, he earned a D.O. at Kirksville College of Osteopathic Medicine, Kirksville, MO, and served an internship at Bay Medical Center, Bay City, MI, from 1989–1990. He completed an Emergency Medicine residency at Mt. Clemens General Hospital, Mt. Clemens, MI, in 1996, and graduated from the Aerospace Medicine program at Wright State University with an M.S. in 2007. He then served a 1-year residency in Aerospace Medicine at the U.S. Air Force School of Aerospace Medicine at Brooks City-Base, TX. He has also attended Air War College, the Interagency Institute for Federal Health Care Executives, DMRTT's Public Health Emergency Management Course, the Joint Medical Executive Skills Institute Capstone for MHS Leaders, and the Joint Domestic Operations Course.

Col. Shurlow entered the Air Force in March 1990 and completed the Aerospace Medicine Primary Course. He then served in a variety of positions, including Squadron Medical Element, Flight Commander, Officer in Charge of Flight Medicine, and Senior Flight Surgeon. He has deployed for multiple contingencies, including: Operations Desert Storm, Northern/Southern Watch, Nobel Eagle, Iraqi Freedom, and Deep Freeze. His society memberships include: the Society of U.S. Air Force Flight Surgeons, Aerospace Medical Association, Society of NASA Flight Surgeons, Military Association of Osteopathic Physicians and Surgeons, American College of Family Practice Physicians, American College of Osteopathic Emergency Physicians, American College of Emergency Physicians, American Osteopathic Association, Association of Military Surgeons of the United States, Air Force Association, and The National Guard Association of the United States. He has more than 1,900 flying hours in more than 42 different airframes. His awards and honors include the Air Force Long and Short Tour Ribbons, the Global War on Terrorism Service Medal, the National Defense Service Medal with one device, an Air Force Commendation Medal, a Meritorious Service Medal with eight devices, the Donald F. Hagen Young Physicians Award, and the Wright State University Graduate Student Excellence Award.

Cinelli is New AsHFA President

Ilaria Cinelli, Ph.D., is the 2019 President of the Aerospace Human Factors Association. She has a bachelor's in biomedical engineering and a master's degree in mechatronics and surgical robotics from the University of Pisa (Italy). While earning her master's, she worked as a research assistant at King's College London (UK) for 2 years. Ilaria has a 4-year structured Ph.D. in neural engineering from the National University of Ireland, Galway (Republic of Ireland). In 2018, she completed the Space Studies Program of the International Space University at TU Delft (The Netherlands), and she is now a postdoctoral scholar at Tufts University (United States) working in collaboration with the Centre of Applied Brain and Cognitive Sciences.



In 2015, Dr. Cinelli completed the Commercial Space Executive Leadership Training and the Intensive Training-Astronaut Training to Weightlessness. Since 2015, she has conducted five analogue missions at the Mars Desert Research Station with the role of Commander, and others under the Space Generation Advisory Council (SGAC) and the Mars Academy USA. The Aerospace Medical Association (AsMA) nominated her finalist of the AsMA JM Space Medicine Association Young Investigator Award 2013, and the Life Sciences and Biomedical Engineering Branch (LSBEB) winner of the Research and Development Innovation Award and Certificate in 2014. In 2018, she became an Associate Fellow of AsMA and was elected President-Elect of the Aerospace Human Factors Association and Member-at-Large of the LSBEB.

Dr. Cinelli was the recipient of the many scholarships including: the 60th British Applied Mathematics Colloquium bursary from the University of St. Andrews (UK) in 2018; the Anita Mantri Scholarship 2018 of AsMA; multiple Emerging Space Leaders Scholarships of The Mars Society; the best IEEE EMB talks in modelling in 2018; and the ESA scholarship 2018. Her additional achievements include: being selected as SGAC delegate of the 35th Space Symposium; being invited to join the Steering Committee of the Mars Society; being presenter of the Lunar Night Survival Project at the NASA HQ in 2018; and being a finalist of the European candidate of the AdCOM elections of IEEE EMB 2017. She has been an invited speaker at many conferences including: the IEEE EMBC EMBS 2017 and 2018; University of Southampton; University of Porto; University of Pisa; TEDx Padova; International Space Medicine Bellagio Summit II; the ESA Moon-Mars workshop; and the MIT New Space Age conference. She has been featured on HBO, on French TV, in the *Irish Times*, by *Engineers Ireland*, on Rai TV, in *La Repubblica* and *Le Monde*, and in the *IEEE Pulse*, among others.

AsPS Incoming President is Lippert

Lt. Com. Amanda "AWOS" Lippert is the 2019–2020 President of the Aerospace Physiology Society (AsPS). She is currently the Aeromedical Safety Officer (AMSO) for the Marine Aviation Weapons & Tactics Squadron One (MAWTS-1). She enlisted in the U.S. Navy in May of 2000. After completion of boot camp, she graduated Hospital Corps A-School in November 2000, and graduated Aviation Medical Technician C-School in February 2001. She immediately deployed with Fighter Squadron (VF-32) aboard the USS *Harry S. Truman* (CVN-75) to the 5th Fleet. She returned to NAS Oceana, VA, and deployed again in December of 2002 in support of Operation Enduring Freedom and Operation Iraqi Freedom. She earned the Enlisted Aviation Warfare Qualification in 2002 and the Enlisted Surface Warfare Qualification in 2003. She was then assigned to Aviation Survival Training Center Pen-sacola, FL, in February 2004, where she served as a Survival Training Instructor, earned the Master Training



See 'Lippert', p. N24

Specialist designation, and completed her Bachelor's degree. She was honorably discharged in November 2005 and earned a Master of Science in Education and a Master of Science in Physiology, both with honors, from Old Dominion University in Norfolk, VA. Upon graduation, she was commissioned a Lieutenant Junior Grade as a Medical Service Corps Officer in the U.S. Navy in May of 2009.

Upon completion of the Naval Aeromedical Officer Course at NAS Pensacola, LTJG Lippert was designated Naval Aerospace and Operational Physiologist #303 in April 2010. She reported to Aviation Survival Training Center Norfolk, VA, where she served as the Operations and Training Officer from May 2010 to January 2012. She became a Lieutenant and was assigned as the Aeromedical Safety Officer (AMSO) of Marine Aircraft Group 13 (MAG-13) in Yuma, AZ, in May 2012, serving as the first F-35 AMSO in support of the USMC declaring F-35B Initial Operational Capability (IOC), and also provided aeromedical and mishap investigation support for the AV-8B. She graduated from the MAWTS-1 Night Image Threat Evaluation (NITE) Lab Instructor Course in 2012. She earned the internationally recognized board certification in Aerospace Physiology (CASp) in May 2013, and the Fleet Marine Force Warfare Qualification in April 2015.

In June 2015, LT Lippert reported to Naval Air Systems Command (NAVAIR) to serve as PMA-202's Mishap Investigation Support Team (MIST) Lead, Aircrew Systems NATOPS Program Manager, and FAILSAFE IPT Lead. She was promoted to Lieutenant Commander and earned Women in Aerospace's Inspiration, Initiative, Impact award in October 2016, the DAWIA Level 2 Acquisitions Certification in Engineering in June 2017, and the Aerospace Physiology Society's Wiley Post award in 2018. She has over 500 flight hours and has flown in more than 20 TMS aircraft in Naval Aviation. Her personal awards include the Navy/Marine Corps Commendation Medal (with one Gold Star), and the Navy/Marine Corps Achievement Medal (with two Gold Stars).

Castleberry to Lead Society of NASA Flight Surgeons

Tarah Castleberry, D.O., M.P.H., is the incoming President of the Society of NASA Flight Surgeons. She has been the Flight Surgeon for Virgin Galactic since August 2015. She is board certified in Aerospace Medicine, Family Medicine, and General Preventive Medicine. She served as a contracted NASA Flight Surgeon through the UTMB-Wyle Bioastronautics contract from 2009–2012, providing support for International Space Station missions as well as support of U.S. and International Partner astronaut operations in Russia and Kazakhstan. Following her work at NASA, she became the program director for the UTMB-NASA/JSC Aerospace Medicine Residency as well as the program director for UTMB's General Preventive Medicine Residency, serving in that capacity until 2017.



Kazakhstan. Following her work at NASA, she became the program director for the UTMB-NASA/JSC Aerospace Medicine Residency as well as the program director for UTMB's General Preventive Medicine Residency, serving in that capacity until 2017.

Dr. Castleberry received a B.S. in Biology from Grand Canyon University in 1994 and then earned a D.O. from Kirksville College of Osteopathic Medicine in 1998. She served an internship in Family Medicine at the University of Alabama at Birmingham from 1998 to 1999 and then earned an M.P.H. at Johns Hopkins Bloomberg School of Public Health in 2000. She served a Residency in Aerospace Medicine from 2000 to 2002 at the Naval Aerospace Medical Institute and then a Residency in Family Medicine at the Mayo Clinic in Scottsdale, AZ, from 2007 to 2009.

Dr. Castleberry is an associate professor in the departments of Preventive Medicine and Community Health and Family Medicine at UTMB and Senior Faculty at Baylor College of Medicine Center for Space Medicine. Prior to her work at UTMB and NASA, she served as a flight surgeon and aerospace medicine specialist in the U.S. Navy for 7 years. She is currently Principal Investigator for a project funded by the FAA Center of Excellence for Commercial Space Transportation studying physiological effects of acceleration in the suborbital space environment.

Dr. Castleberry is a member of the Society of U.S. Naval Flight Surgeons, the Society of NASA Flight Surgeons, the American Academy of Family Practice, the Space Medicine Association, and the Aerospace Medical Association. Her honors and awards include U.S. Navy Flight Surgeon of the Year Nominee, NASA Life Saver Award, NASA Space Life Sciences Division Director's Commendation Award, an Honorary Doctor of Science in Osteopathy degree from Kirksville College of Osteopathic Medicine, the Aerospace Medicine Student and Resident Organization Mentor Award, and being co-recipient of the Arnold D. Tuttle Award from the Aerospace Medical Association. She has 10 published papers and 10 invited lectures to her name, as well as a patent submission.

Hughes is Incoming SoUSAFFS President

Col. Duncan G. Hughes is the incoming President of the Society of USAF Flight Surgeons (SoUSAFFS). He is the Chief, Aerospace Medicine Division, Headquarters Air Combat Command, Joint Base Langley-Eustis, VA. He received his commission from the U.S. Air Force in 1992 when he began medical school at the Uniformed Services University of the Health Sciences (USUHS) in Bethesda, MD. Following medical school, he completed his internship and residency in Family Medicine at Malcolm Grow Medical Center, Andrews AFB, MD. He then served two tours as a Family Medicine physician at Dover AFB, DE, and at Elmendorf AFB, AK. He next served as Squadron Medical Element, 19th Fighter Squadron, 3rd Wing, Elmendorf AFB. Following 3 years of advanced studies in Public Health, Aerospace Medicine, and Occupational Medicine, he then served as Commander, 4th Aerospace Medicine Squadron, Seymour Johnson AFB, NC, and as AFMSA/SGP at Defense Health Headquarters in Falls Church, VA. He has deployed in support of Operations Iraqi Freedom, Enduring Freedom, New Dawn, and Combined Joint Task Force–Horn of Africa. He is



See 'Hughes,' p. N24

a chief physician and senior flight surgeon, board certified in three medical specialties: Family, Aerospace, and Occupational Medicine.

Col. Hughes holds a B.S. in Biology (1992) from Messiah College in Grantham, PA, an M.D. (1996) from the Uniformed Services University of the Health Sciences in Bethesda, and completed the Aerospace Medicine Primary Course at Brooks City-Base, TX, in 2005. He later earned an M.P.H. at the University of Texas-Houston School of Public Health in San Antonio in 2008 and served residencies in Aerospace Medicine and Occupational Medicine at the U.S. Air Force School of Aerospace Medicine in 2009 and 2010. He also completed Squadron Officer School, Air Command and Staff College, and Air War College.

Col. Hughes is an Adjunct Professor at Liberty University and a member of the Aerospace Medical Association and the American Society of Aerospace Medicine Specialists. His awards and honors include the Air Force Longevity Service Ribbon with four oak leaf clusters, the Air Force Expeditionary Service Ribbon with gold border and one oak leaf cluster, the Global War on Terrorism Service and Expeditionary Medals, the National Defense Service Medal, an Air Force Achievement Medal, and a Meritorious Service Medal with two oak leaf clusters.

Hayes to Head Space Medicine Association

Judith Hayes, M.P.H., is the incoming President of the Space Medicine Association. Ms. Hayes is the Chief of the NASA



Biomedical Research and Environmental Sciences Division within the Johnson Space Center (JSC) Human Health and Performance Directorate. Her career spans over 3 decades as a scientist and manager dedicated to ensuring astronaut health and performance during human space exploration. She was the PI on two flight experiments studying the effects of microgravity on skeletal muscle in astronauts.

She has managed space physiology and environmental health laboratories, space medicine projects, and the integration of biomedical research for the Space Shuttle, Russian Mir-Shuttle, and International Space Station (ISS). In addition to JSC, she collaborated with the Gagarin Cosmonaut Training Center (GCTC) to establish several NASA biomedical laboratories housed in their facilities in Star City, Russia, to support NASA experiment and medical tests on NASA-Mir and ISS crewmembers. Currently, the SK Division is involved in research, operations, and/or project management components of several NASA programs: ISS, Commercial Crew, Orion, Human Research Program, and Space Biology. She continues to work closely with NASA's international partners on various international contracts to provide ISS medical and experiment support. She is a charter member of the International Countermeasures Working Group for developing global standards for spaceflight exercise, rehabilitation, and research.

Ms. Hayes is also the Director of the NASA Space Life Sciences Summer Institute, where she's hosted 1000+ stu-

dents who have participated in this JSC educational institute that exposes interns and fellows to multidisciplinary challenges in space physiology, psychology, environmental health, and medicine related to human space exploration. She has lectured for various university programs, as well as various training programs for NASA flight surgeons and astronaut candidates. She has published journal papers and book chapters related to spaceflight exercise.

Ms. Hayes received a Bachelor of Science and Master of Science in Exercise Physiology from West Virginia University, followed by a Master of Public Health in Occupational Health/Aerospace Medicine from The University of Texas Health Sciences Center. She completed an appointment at The Royal College of Surgeons of England supporting epidemiologic research for the UK National Health Service. She has been recognized with various honors including the prestigious Silver Snoopy granted by the NASA Astronauts, as well as West Virginia University Hall of Fame, Outstanding Alumnus, and Academy of Distinguished Alumni. She is an active member of Sigma Xi and a Fellow in the Aerospace Medical Association.

LaVan to Lead Navy Flight Surgeons

CAPT Joseph T. LaVan is the incoming President of the Society of U.S. Naval Flight Surgeons. A native of Baltimore,



MD, he earned a Bachelor's degree in Chemistry from the University of Miami. He graduated from the University of Miami's Miller School of Medicine in 1992 with an M.D. and completed an internship in Family Medicine at Naval Hospital Bremerton and subsequently served as a General Medical Officer in Adak, AK. After completing Flight Surgery training, he was stationed with Marine Air Group 26 and assigned to Marine Wing Support Squadron 272, and then to Marine Medium Helicopter Squadron 264 at Marine Corps Air Station New River, NC. While assigned to HMM-264 he deployed in support of Operation Joint Endeavor and Operation Assured Response and was selected as the Second Marine Aircraft Wing's Flight Surgeon of the Year in 1995.

CAPT LaVan completed his Family Medicine Residency at Naval Hospital Jacksonville and was board certified in 1999. After graduation, he was assigned to Naval Hospital Naples, Italy, where he served as the Department Head for Family Practice. He also served as the Triage Officer of the Hospital's Surgical Response Team and was instrumental in the creation of, and served as, the Team Leader of the newly formed Primary Care Response Team. In July 2002, he transferred to Naval Hospital Keflavik, serving as the Director of Outpatient Services while driving the creation of the CBR Incident Medical Response Team for NAS Keflavik. From 2004 to 2006, he completed the Fellowship in Family Practice Faculty Development at Madigan Army Medical Center, earning his M.P.H. degree from the University of Washington. He was assigned to Naval Hospital Camp Lejeune where he served as the Director of Medical Services and a member of the faculty of the Family Medicine Residency. He helped develop the Wounded Warrior Hope and Care Center for the USMC

See 'LaVan,' p. N26

From 'LaVan' p. N25

Wounded Warrior Battalion-East. In 2008 he attended the Residency in Aerospace Medicine and was assigned as the Senior Medical Officer on the USS *George Washington* (CVN-73) in Yokosuka, Japan. During this time, he helped coordinate the Battle Force-Seventh Fleet contributions to Operation Tomodachi, the U.S. Navy response to the massive earthquake, tsunami, and nuclear catastrophe that hit Japan in 2011.

In 2012, CAPT LaVan was selected as the Director of the Combined Army/Navy Residency in Aerospace Medicine, guiding the residency through a variety of changes in program structure, training requirements, and community needs until 2016. He was next selected as Officer-in-Charge of the Naval Aerospace Medical Institute where he has been instrumental in the expanding role of NAMI in both officer and enlisted aeromedical and operational medicine training, modernization of Naval Aeromedical standards and aviation aptitude testing, the aeromedical response for and research into environmental physiological events in tactical naval aviation and has supported deployment of the new Department of Defense Electronic Health Record as Chair of the Triservice Workflow Advisory Group-Medicine. He is board certified in Aerospace Medicine, Family Medicine, and Occupational Medicine. His personal awards include the Meritorious Service Medal (four awards), the Joint Service Commendation Medal, the Navy Commendation Medal (two awards), the Army Commendation Medal, and the Navy Achievement Medal.

Dillinger Is New LSBEB President

Tracy Dillinger, M.A., Psy.D. (Hon.), is the 2019 President for the Life Sciences and Bioengineering Branch (LSBEB).



She is the NASA Manager for Safety Culture and Human Factors at NASA Headquarters Office of Safety and Mission Assurance. She chairs the Enterprise Safety Culture Working Group and Human Factors Task Force and is responsible for the NASA Safety Culture Survey, Safety Culture Courses, and Organizational Safety Assessments (OSAs).

Dr. Dillinger received B.A.s in Psychology and Dance from the University of Iowa, an M.A. in Counseling Psychology from the University of Iowa, a Psy.D. in Clinical Psychology from the Chicago School of Professional Psychology (CSPP), a Post-Doctoral Fellowship from the University of Illinois in Aviation Psychology (2003), and an Honorary Psy.D. in Business and Organizational Psychology from CSPP (2006).

Dr. Dillinger came to NASA in 2011 after 21 years in the U.S. Air Force (USAF). She was stationed at USAF Safety Center Headquarters as the Chief of the Safety Assessment Division from 2005-2008 and was the USAF Chief of Aviation Psychology from 1998-2008. She developed and instituted the Organizational Safety Assessment (OSA) program and the Air Force Culture Assessment Safety Tool (AFCAST) as safety prevention tools for leadership. In 2006 she was awarded the USAF Chief of Staff Individual Safety Award for

her record-breaking contributions to reducing mishap rates while ensuring mission success.

Dr. Dillinger's other awards include a Distinguished Alumni Award (2016), the Life Sciences Hasbrook Award in 2017, the NASA Agency Exceptional Service Award (2017), NASA Achievement Award (2016), and HQ Exceptional Performer Award (2013) for development and implementation of the NASA Safety Culture Program. A licensed psychologist for over 24 years, she is a member of the National Board of Psychologists, a lifetime member and Fellow of the Aerospace Medical Association (AsMA), member and Fellow of the Aerospace Human Factors Association (AsHFA), and member of the International Society of Air Safety Investigators (ISASI). She has conducted human factors investigations, developed the witness interview guidance, and spearheaded assessments to identify risks in USAF organizations. She was a member of the Columbia Accident Investigation Board (CAIB) in 2003 and the Space Shuttle Independent Assessment Team (SSIAT) in 1999.

Backus Leads IAMFSP

Christopher Backus, M.D., is the incoming president of the International Association of Military Flight Surgeon Pilots (IAMFSP). He is currently Director, USAF Pilot Physician Program and scheduled to assume command of the 99th Aerospace Medicine Squadron, Nellis AFB in June 2019.



He is a recent graduate from Air War College, Maxwell AFB, AL with a concentration in Grand Strategy. Prior to that, he was the Commander of the 87th Aerospace Medicine Squadron, Joint Base McGuire-Dix-Lakehurst, NJ. He

also served 2 tours at Joint Base Elmendorf Richardson, in Alaska, as well as several tours at McChord AFB in Washington state.

Lt. Col. Backus was commissioned through the Reserve Officer Training Corps at University of Oklahoma, where he received his Bachelor of Science degree in 1996. He obtained his medical training at the Uniformed Services University of the Health Sciences in 2010, and the Aerospace Medicine Primary course. Lt Col Backus earned his board certification in Family Medicine after completion of residency training at David Grand Medical Center, Travis AFB, CA. He is a Senior Pilot and a Flight Surgeon with more than 3,750 flight hours, and over 350 combat hours in six aircraft. He has authored two publications.

Lt. Col Backus has earned many major awards and decorations throughout his Air Force career. These include, but are not limited to the Meritorious Service Medal with on Oak Leaf Cluster, the Air Medal, the Meritorious Unit Award, the Air Force Commendation Medal, National Defense Service Medal, and two Global War on Terror Medals. In addition to AsMA and IAMFSP, he is a member of several other profes-

See 'Backus,' p. N25

Read Current News Online!

The AsMA, Industry, & Member News pages are updated regularly. Members: Check the Job Fair - new jobs are posted monthly!

sional societies including: the American Academy of Family Physicians, the Uniformed Services Academy of Family Physicians, and the Society of USAF Flight Surgeons.

News of Members

The Medical & Dental Council of Nigeria (MDCN) has finally included Aviation Medicine in its Category A List of Postgraduate Medical Qualifications registrable as Specialist Fellow Consultant status in Nigeria. MDCN's first Registration has been issued to **Dr. Makanjuola A. Owolabi**, MBBS (Ibadan 1976), D.Av.Med. (London 1980), MRaES (1984), FRSM (1985), FAsMA (2012), FIMC (2019), FWACP (Int. Med. - Aviation Medicine, Nov. 2005). He pioneered combined Military and Civil Aviation Medicine practice in Nigeria and started the struggle for proper fellowship training and certification of Aviation Medicine as a Category A certification by MDCN in 1982 to address the constant menace of medical quackery in Nigeria and West Africa. Dr. Owolabi is a Fellow of the Aerospace Medical Association.



Postgraduate Medical Qualifications registrable as Specialist Fellow Consultant status in Nigeria. MDCN's first Registration has been issued to **Dr. Makanjuola A. Owolabi**, MBBS (Ibadan 1976), D.Av.Med. (London 1980), MRaES (1984), FRSM (1985), FAsMA (2012), FIMC (2019), FWACP (Int. Med. - Aviation Medicine, Nov. 2005). He pioneered combined Military and Civil Aviation Medicine practice in

Nigeria and started the struggle for proper fellowship training and certification of Aviation Medicine as a Category A certification by MDCN in 1982 to address the constant menace of medical quackery in Nigeria and West Africa. Dr. Owolabi is a Fellow of the Aerospace Medical Association.

New Members

AsMA welcomes 39 new members in June.

- Barisano, Giuseppe; Los Angeles, CA, United States
- Boissezon, Michael; Queanbeyan, NSW, Australia
- Bojsen, Thomas; Haslev, Denmark
- Brown, Steven; Enterprise, AL, United States

- Buch, Chirag; San Antonio, TX, United States
- Cerqueira, Bianca; San Antonio, TX, United States
- Collie, Austen; Sheppard AFB, TX, United States
- Contreras, Angela; Santiago, Chile
- Dawkins, Stephen; Hapeville, GA, United States
- Edwards, Gerallt; Llangollen, United Kingdom
- Garzon Ayala, Rocio; Bogota, Columbia
- Graham, Ross; Montgomery, AL, United States
- Griswold, Elisa; Haddonfield, NJ, United States
- Hatcher-Solis, Candice; Riverside, OH, United States
- Hedren, Sven; Vastra Frolunda, Sweden
- Jacobs, Sam; Minneapolis, MN, United States
- Jain, Gaurav; Saskatoon, SK, Canada
- Kim, Kyu-Sung; Incheon, South Korea
- Koh, Justin; Burton-on-Trent, United Kingdom
- Lynn, Jesse; Lutz, FL, United States
- MacGregor, Helen; Silver Spring, MD, United States
- Mainland, Roslyn; Wellesley, ON, Canada
- Makahleh, Amer; Doha, West Bay, Qatar
- Mayberry, James; Dallas, TX, United States
- Morey, Jose; Newport News, VA, United States
- Padfield, James; Kirksville, MO, United States
- Pierce-Wysong, Monica; Eielson AFB, AK, United States
- Prueitt, Steven; Littleton, CO, United States
- Reis, Katherine; Chicago, IL, United States
- Serrano, Korina; Los Angeles, CA, United States
- Shelhamer, Mark; Reisterstown, MD, United States
- Sriharan, Sindujen; Wembley, United Kingdom
- Swantack, Joseph; New Albany, OH, United States
- Troyer, Hannah; Senoia, GA, United States
- Vessey, William; Houston, TX, United States
- Wang, Jevons; Houston, TX, United States
- Whitmire, Alexandra; Houston, TX, United States
- Wingelaar-Jagt, Yara; Soesterberg, Netherlands
- Wu, Bili; Glen Waverley, Victoria, Australia

NEWS OF CORPORATE MEMBERS

Hydrospace Group Is Newest AsMA Corporate Member

Hydrospace Group, Inc., is the newest Corporate & Sustaining Member of the Aerospace Medical Association (AsMA). The company's experience in Pressure Vessels for Human Occupancy (PVHO) includes manned submersibles as well as land-based pressure vessels. The Space Simulator Pressure Vessel (SSPV) is a PVHO certified altitude chamber. A hypobaric chamber, or altitude chamber, is a chamber used during aerospace or high terrestrial altitude research or training to simulate the effects of high altitude on the human body, especially hypoxia (low oxygen) and hypobaria (low ambient air pressure). The chamber can hold up to a 10-person crew, provides exceptional visibility inside and out during simulation of flight, and ascent/descent pressure profiles to an altitude of 100,000 ft. The SSPV is designed, fabricated, assembled, inspected, tested, and certified in accordance with the ASME PVHO-1 standard.

—Please visit <http://www.hydrospacegroup.com/> to read more about this company.

Want to see your company's news here?
Visit www.asma.org/for-corporations to learn more.

Mayo Clinic Hosts 'Mind Matters' Exhibit

A new, interactive exhibit focused on raising awareness about mental health opened in late May at Rochester Art Center. "Mental Health: Mind Matters," hosted by Mayo Clinic, and presented by Olmsted Medical Center and Rochester Area Foundation, creates a safe space for important conversations about mental illness. "Mind Matters: Mental Health" uses immersive experiences and multimedia activities to help build understanding and awareness about mental illness. Visitors will see how mental illness has been treated in the past and learn what it is like to live with a mental illness, such as depression, anxiety, and post-traumatic stress disorder. A resource center will provide information on local mental health resources.

—Please see <https://newsnetwork.mayoclinic.org/discussion/mental-health-mind-matters-exhibit-makes-it-ok-to-talk-about-mental-health/> for more on this.

See 'Corporate News', p. N28

Future AsMA Annual Scientific Meetings

May 17-21, 2020; Hyatt Regency Atlanta; Atlanta, GA
May 23-27, 2021; Peppermill Resort Hotel; Reno, NV
April 3-7, 2022; Sheraton Denver Downtown; Denver, CO
See the future meetings page for more.

KBR Awarded Contract by Oman

KBR, Inc. announced it has been awarded a Front End Engineering Design (FEED) contract by Oman LNG L.L.C. for the debottlenecking of their facility at Sur in the Sultanate of Oman. Under the terms of the contract, KBR will provide FEED services for the debottlenecking project to increase production at its plant in Sur. This FEED stipulates KBR will perform full FEED services, including licenser and vendor management and associated services. KBR will act as an extension to Oman LNG's project team and help manage the overall execution of the project, including the management of the supply and ensuring all areas of compliance and safety are adhered to. The contract underpins Oman LNG's commitment towards knowledge sharing and boosting staff competency in dealing with such complex projects while enhancing Oman LNG's In-Country Value efforts.

—Please see <https://kbr.com/en/insights-events/press-release/kbr-awarded-feed-contract-oman-lngs-debottlenecking-project> to read more on this.

NIOSH Signs MOU with North Carolina State University

The National Institute for Occupational Safety and Health (NIOSH) Center for Occupational Robotics Research and the North Carolina State University Edward P. Fitts Department of Industrial & Systems Engineering (NC State ISE) have signed a Memorandum of Understanding (MOU). The objective of the 5-year agreement is to facilitate collaborative research between the institutions and provide educational opportunities for NC State students. The NIOSH and NC State ISE partnership will encompass collaborative research using complementary labs, guest research appointments, and co-authored publications. NC State ISE students also will have the opportunity to work alongside and learn from NIOSH researchers as they work to address the knowledge gap related to robotics and worker safety and health.

—Please visit <https://www.cdc.gov/niosh/updates/upd-05-20-19.html> for more on this.

Corporate News Bites

AMAS: The Aviation Medicine Advisory Service (AMAS) has bid goodbye to one of their doctors, but have welcomed both a new team member and a returning team member. Please visit <https://www.aviationmedicine.com/amas-notams/latest-amas-news/> to read more.

Visit Us on Social Media!

Twitter: https://twitter.com/aero_med

FB: www.facebook.com/AerospaceMedicalAssociation

LinkedIn: <https://www.linkedin.com/company/2718542?trk=tyah&trkInfo=tarId:1404740611720,tas:AerospaceMedical,idx:1-1-1>

AOPA Commemorated with Senate Resolution

The Aircraft Owners and Pilots Association's (AOPA's) 80th anniversary was commemorated with a Senate resolution passed on May 13. The resolution was led by Sens. Jim Inhofe (R-OK) and Tammy Duckworth (D-IL). Since 1939, AOPA has represented the interests of general aviation pilots across the United States and has tirelessly advocated to protect the freedom to fly. The bipartisan resolution acknowledged AOPA's legacy, including its role in growing the pilot population, advocating for aviation safety, and protecting and promoting aviation in the United States. Other cosponsors and key supporters of the resolution include Sens. John Boozman (R-AR), Kevin Cramer (R-ND), Steve Daines (R-MT), Jerry Moran (R-KS), Pat Roberts (R-KS), Dan Sullivan (R-AK), Chris Van Hollen (D-MD), Ron Wyden (D-OR), and Joe Manchin (D-WV).

—Please see <https://www.aopa.org/news-and-media/all-news/2019/may/14/senate-passes-resolution-commemorating-aopa> to read more about this.

SAVE THE DATE!

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

MEETINGS CALENDAR

June 27-29, 2019; Undersea & Hyperbaric Medical Society 2019 Annual Scientific Meeting; Puerto Rico. Visit www.uhms.org/meetings/annual-scientific-meeting/uhms-annual-scientific-meeting-information.html for more info.

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

Sept. 9-13, 2019; 24th International Symposium on Shiftwork and Working Time; Couer D'Alene, ID, United States. Early bird registration rate is available through May 31. For more information or to register, please visit www.shiftwork2019.com.

Sept. 17-18, 2019; Aircraft Cabin Air International Conference 2019; Imperial College London, Kensington, London, United Kingdom. For more info, please visit <https://www.aircraftcabinair.com/>.

Upcoming FAA AME Seminars

<u>Dates</u>	<u>Location</u>	<u>Seminar Type</u>
June 10-14, 2019	Oklahoma City, OK	Basic
Aug. 2-4, 2019	Washington, DC	Refresher
Sept. 20-22, 2019	Denver, CO	Refresher
Sept. 26-28, 2019	Cleveland, OH	CAMA

PLEASE NOTE: The only FAA seminar AsMA takes registrations for is the one held in conjunction with our annual meeting in May. For all others, please contact the FAA. For more, visit: http://www.faa.gov/other_visit/aviation_industry/designees_delegations/designee_types/ame/seminar_schedule/.