



Ever Upward: June 2021

DeVoll Installed as President; Northrup is President-Elect

James DeVoll, M.D., M.P.H., was installed as the President of the Aerospace Medical Association (AsMA) for 2021–2022.



The gavel was passed to him on May 23, 2021, during an online meeting of the AsMA Council. Normally this would happen during our annual meeting; however, that has been postponed until August. Dr. DeVoll is currently Manager of Medical Appeals in the Medical Specialties Division of the Federal Aviation Administration (FAA) Office of Aerospace Medicine. For a full biography of Dr. DeVoll, please

refer to the June 2020 edition of AsMA’s “Ever Upward”: http://www.asma.org/asma/media/AsMA/pdf-journal/pdf-news-2020/june-2020_news.pdf.

Susan E. Northrup, M.D., M.P.H., was elected as President-Elect of AsMA. The voting was accomplished online due the continuing COVID-19 pandemic.



Dr. Northrup was also recently appointed as the first female FAA Federal Air Surgeon. She joined the FAA in April 2007 as the Southern Regional Flight Surgeon. She is now responsible for all aerospace medicine efforts within the FAA including airman medical certification, air traffic control health program, AME designee management, internal and external substance abuse testing,

and aeromedical research. She was awarded the FAA’s Flight Surgeon of the Year Award in 2008 and Outstanding Manager in 2018. In 2017, she was selected as the Senior Regional Flight Surgeon with operational responsibilities for the entire nation. As a civilian and prior to the FAA, she was Regional Medical Director for Air Crew and Passenger Health Services for Delta Air Lines from 2001 to 2005, Medical Consultant for the National Pilots Association 2005 to 2007, and did other consulting from 2005–2007. Dr. Northrup served in the U.S. Air Force on active duty from 1990 to 2001, and as a Reservist from 2001 to 2010, retiring as a Colonel.

Dr. Northrup obtained a Bachelor of Arts in Chemistry with Honors in Liberal Arts from The Ohio State University in 1985 and stayed on to get her Medical Degree in 1989. She was awarded a Masters in Public Health from the University of Texas, Health Science Center Houston, School of Public Health in 1994. She completed Residencies in Aerospace Medicine and Occupational Medicine in 1995 and 1996, respectively, becoming Board Certified in both disciplines.

A private pilot, she is an acknowledged expert in aviation medicine. While serving in the Air Force, she was the U.S. Head of Delegation to NATO’s aeromedical working group. More recently, she has served the FAA as the FAA medical subject matter expert to ICAO’s COVID response activities

and the COVID IMT and the Office of Aerospace Liaison to the Air Traffic Organization.

Dr. Northrup’s awards and honors include TAC Flight Surgeon of the Year, the Air Force Meritorious Service Medal with two oak leaf clusters, the Air Force Achievement Medal with a single oak leaf cluster, and the Air Force Outstanding Unit Award with Valor and a single oak leaf cluster. The Aerospace Medical Association presented her with the John A. Tamisiea Award in 2015 and the Admiral John C. Adams Award in 2020. A Fellow of AsMA, she is a member of the Red River Valley Fighter Pilots Association, the Society of USAF Flight Surgeons, the International Airline Medical Association, the Civil Aviation Medical Association, and the American Society of Aerospace Medicine Specialists. She spent nine years (2007–2016) as a trustee for the American Board of Preventive Medicine in several capacities, including as the Vice Chair Aerospace Medicine. She is also a Selector for the International Academy of Aviation and Space Medicine and was Chair of the Air Transportation Association Medical Committee. She is on the Adjunct Faculty for the USAF School of Aerospace Medicine.

Other newly elected or re-elected officers of the Aerospace Medical Association are: **Karen Klingenberger**, Secretary; **Barry Shender**, Vice President; **Joseph Dervay**, Vice President. Members-at-Large with terms expiring in 2024 are: **Rowena Christiansen, Harriet Lester, Ian Mollan, and Deborah White**.

June Meeting Issue Delayed

The June issue of *Aerospace Medicine and Human Performance* (AMHP) will be delayed. The delay is due to disruptions from COVID-19 at the India-based typesetters and a change to a new typesetting company used by our publishing company. We and our publishing company are doing everything possible to get the June 2021 issue published quickly. Subsequent issues may also experience some delays. We apologize for the inconvenience and thank you for your patience during these difficult times.

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:Aerospace Medical,idx:1-1-1](https://www.linkedin.com/company/2718542?trk=tyah&trkInfo=tarId:1404740611720,tas:Aerospace%20Medical,idx:1-1-1)

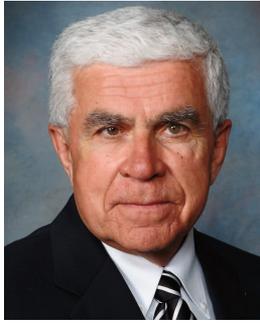
Read Current News Online!

News is updated as we receive items. Visit AsMA News, Industry News, and Member News to read all about it! Members: please check the Job Fair each month; new jobs are posted as we receive them.

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

In Memoriam: John D. Hastings, M.D.

AsMA Staff were deeply saddened to hear of the passing of John D. Hastings, M.D., a Fellow and Past President of the



Aerospace Medical Association (AsMA). He was internationally recognized as the undisputed leader in aviation neurology and his significant contributions to aerospace medicine were sustained over a more than 30-year period. He was an icon within the international aerospace medicine community, serving as a senior neurology consultant to the Federal Air Surgeon starting in 1992, and wrote over

3,000 opinions regarding pilot aeromedical dispositions. In addition, many pilots sought his consultations privately.

Dr. Hastings earned his M.D. degree at St. Louis University School of Medicine, St. Louis, MO, in 1965. He served an internship at Los Angeles County General Hospital in California from 1965-1966, and then a residency in Neurology at the Mayo School of Graduate Medical Education in Rochester, MN, from 1966-1969. Later in his career, he attended MPH Core Courses for Aerospace Medicine Certification at the Medical College of Wisconsin Graduate School of Biomedical Sciences in Milwaukee, WI, from 1996-1997.

From 1969 until 1971, he served in the U.S. Army at the 95th Evacuation Hospital in Danang, South Vietnam. After completing his military service, Dr. Hastings went into private practice first at Diagnostic Neurology Ltd., in Park Ridge, IL, and later with Neurology PLLC, Tulsa, OK, and then Neurologic Medicine PLLC in Tulsa. He was the Medical Director of Synaptic Resources, LLC, in Tulsa, and owner of Aerospace Neurology, LLC. He also performed professional supervision for intra-operative neurophysiological monitoring for Neurologic Services of Oklahoma, LLC, in Tulsa, Hill Country Monitoring in Austin, TX, Neurology Services of Florida in Jacksonville, as well as for Southwest Neurodiagnostic Services, LLC, and Hill Country Monitoring, LLC, in Mississippi.

Dr. Hastings' awards included the Bronze Star from the U.S. Army, Airman of the Year from the Flying Physicians Association, the Forrest Bird and Harris Awards from the Civil Aviation Medical Association, the President's Award from the Experimental Aircraft Association, and the John A. Tamisiea, Theodore Lyster, and Louis H. Bauer Founders Awards from the Aerospace Medical Association. He was a member of the American Academy of Neurology, the American Medical Association, the American Society of Neurophysiologic Monitoring, the International Academy of Aviation and Space Medicine, the Airline Medical Directors Association, and was a Past President of the Civil Aviation Medical Association.

A memorial page can be found at <https://www.stjohnsfamilyfuneralhome.com/obituaries/John-Hastings-Md/>.

Save the Date

4th International Conference and Expo on Aerospace and Aeronautical Engineering; October 25-27, 2021; Valencia, Spain. Visit <https://www.scientificfederation.com/aerospace-aeronautical-engineering/> for more.

In Memoriam: Thomas J. Tredici, M.D.

AsMA Staff were deeply saddened to hear of the death of Thomas J. Tredici, M.D., Col., USAF(Ret.), a Fellow and



long-time member of the Aerospace Medical Association (AsMA). He began his career in 1942, entering the Army Air Corps in the Aviation Cadet program, and was trained as a pilot. After the war, he attended Washington and Jefferson College, Washington, PA, and graduated Phi Beta Kappa. He earned his medical degree in 1952 from the University of Pittsburgh School of Medicine and interned at

Brooke Army Hospital in San Antonio, TX. He then completed a residency in ophthalmology at the Eye and Ear Hospital, Pittsburgh, PA, in 1957.

Following that residency, Dr. Tredici served as Chief of Ophthalmology at Scott AFB, IL, and at Clark AFB, Philippines. He was then assigned to the Ophthalmology Branch at the USAF School of Aerospace Medicine in 1964 as an ophthalmic pathologist, staff ophthalmologist, and researcher. He reverted back to being an ophthalmic surgeon in 1965, serving in Vietnam and at Clark AFB, Philippines. When he returned to Brooks AFB, he was named Chief of the Ophthalmology Branch at the USAF School of Aerospace Medicine. During that time, he was instrumental in establishing and implementing the U.S. Air Force policy on glaucoma for aviators, which has returned hundreds to full flight status, saving millions in training costs. He and his staff also worked with NASA to develop criteria for visors to protect astronauts from ultraviolet energy during the exploration of the Moon. He later became a research and clinical contributor to the Aerospace Ophthalmology Branch project dealing with refractive surgery in the aviator.

Dr. Tredici was a principal lecturer in Ophthalmology (now Aerospace Ophthalmology) starting in 1964, lecturing to classes in the Primary Course in Aerospace Medicine. He was also the principal lecturer to classes of Residents in Aerospace Medicine (RAMs) and to the Advanced Aerospace Medicine International Medical Officer classes. As Chief of Ophthalmology, he started a project to train assigned Branch Flight Surgeons in Aerospace Ophthalmology and also began a program to train ophthalmology technicians, the first in the Department of Defense.

Dr. Tredici retired from the U.S. Air Force in 1981 but was immediately recalled to active duty by the Secretary of the Air Force. He retired and was recalled again in 1986. He finally fully retired in 1987 and was awarded a second Legion of Merit. Despite retirement, he continued to work on a volunteer basis at Brooks City Base, TX. In addition to establishing U.S. Air Force policy on glaucoma, he was also known as one of the nation's leading authorities on the use of contact lenses in aviators and discovered the principle reason for stereopsis in aviators (microstrabismus) and devised an ocular prism test to facilitate the diagnosis.

Dr. Tredici held 17 military awards and decorations. He received the Academy of Ophthalmology Senior Honor Award, was the USAF representative on the National Research Council, Committee on Vision, and the Department of Defense

See 'Tredici,' p. N25

representative on the National Advisory Eye Council, National Eye Institute. He was a committee member of NATO-AGARD and was a founding commissioner of the Joint Commission on Allied Health Personnel in Ophthalmology. He won the USAFSAM Docere Award as Outstanding Teacher and the Thomas F. Koritz Award as Outstanding Instructor in the Primary Course in Aerospace Medicine, received the USAF Scientific Achievement Award and the George E. Shafer Award for life-time achievements from the Society of USAF Flight Surgeons. AsMA awarded him the Theodore C. Lyster Award in 1979 and the Louis H. Bauer Founders Award in 2000. He attended every meeting from 1966 to the early 2000s and received his 50-year member pin in 2014. AsMA named an award for him and his late wife, the Thomas J. and Margaret D. Tredici Award, for significant contributions to aerospace ophthalmology.

To read more about his career, please see the write-up when he won the Bauer Award [<https://www.asma.org/get-media/a9eb5105-6c43-447b-91f4-563146895a77/Tredici-Bauer-award-2000>]. He was also interviewed in 2020; that interview can be found at <https://www.pressreader.com/usa/houston-chronicle/20191230/281492163234693>.

New Members

AsMA welcomes 22 new members in June.

Abu Muslim, Munawarah Silam; Sha Alam, Malaysia
Al Talhi, Yousef; Jeddah, Saudi Arabia
Beel, Kevin; Philadelphia, PA, United States
Brogis, Roger; Spokane, WA, United States
Carney, John; West Lafayette, IN, United States
Chun, Dan; Astoria, NY, United States
Crespo, Jalen; Brooklyn, NY, United States
Delmas, Gael; Sainte-Ruffine, France
Fairfield, Ryan; Kansas City, MO, United States
Jerdon, Jacob; Spokane Valley, WA, United States
Jordan, Lee; APO AP, United States
Kaur, Rupleen; Cleveland, OH, United States
Malvica, Erica; Waverly, NY, United States
Marr, Brianna; Vancouver, WA, United States
Miller, Matthew; Beaver Creek, OH, United States
Pysick, Haley; Plymouth, MN, United States
Quach, Cuong; New York, NY, United States
Ryan, Nicholas; Portsmouth, VA, United States
Stephens, Ethan; Gallipolis, OH, United States
Varma, Curran; Manhasset, NY, United States
Wong, Maggy; Castle Hill, New South Wales, Australia
Woodard, Christopher; Wenatchee, WA, United States

NEWS OF CORPORATE MEMBERS

Mayo Clinic Names New Health System President

Prathibha Varkey, M.B.B.S., has been named president of Mayo Clinic Health System, effective mid-August. She will partner with Mary Jo Williamson, chief administrative officer, Mayo Clinic Health System, to lead the strategy and operations of the health system's 17 hospitals and nearly 50 community clinics across Iowa, Minnesota, and Wisconsin. Dr. Varkey, who is board-certified in internal medicine and general preventive medicine, previously practiced medicine at Mayo Clinic in Rochester for 11 years. During her tenure, she also led several initiatives in quality improvement, faculty development and medical education, and managed consumer-facing health care business products. She left Mayo Clinic in 2013 to serve as CEO of Seton Clinical Enterprise in Austin, Texas. Since 2016, she has served as president and CEO of Northeast Medical Group within Yale New Haven Health in New Haven, CT. She succeeds Bobbie Gostout, M.D., who retired from Mayo Clinic in December 2020.

—Please visit <https://newsnetwork.mayoclinic.org/discussion/dr-prathibha-varkey-named-president-of-mayo-clinic-health-system/> to read more on this.

AOPA Supports Relief for Aviation Events

A coalition of general aviation organizations, including the Aircraft Owners and Pilots Association (AOPA), wrote to congressional committee leaders to highlight the reasons why airshows should be given the same consideration as concerts, movie theaters, museums, and other venues in the distribution of federal pandemic relief. Like many other businesses, airshows nationwide suffered greatly because of COVID-forced cancellations, eliminating the tremendous economic

support they provide local communities. The letter, signed by AOPA, the National Business Aviation Association, the General Aviation Manufacturers Association, the Experimental Aircraft Association, the National Air Transportation Association, and Helicopter Association International, reminded leaders of the Senate Committee on Small Business and Entrepreneurship and the House Committee on Small Business that the more than 300 events held each year attract more than 10 million visitors, provide a combined economic boost of nearly \$900 million to cities and towns, and account for more than 20,000 jobs through hundreds of small businesses. The letter asks that airshows be considered by the Small Business Administration in the same manner as other entertainment and live venue events.

—Please read <https://aopa.org/news-and-media/all-news/2021/june/pilot/aopa-action-june-2021> for more on this.

NIOSH Signs MOU to Advance Robotics Research

The National Institute for Occupational Safety and Health (NIOSH) Center for Occupational Robotics Research has signed a Memorandum of Agreement (MOU) with the University of Wisconsin-Madison (UW-Madison) to enable collaborative robotics research between the institutions and provide educational opportunities for UW-Madison students. The 5-year NIOSH and UW-Madison partnership will encompass collaborative research using complementary labs, guest research appointments, co-authored publications, and experiential learning. UW-Madison students will have the opportunity to work alongside and learn from NIOSH researchers, contributing directly to NIOSH research.

Launched in September 2017, NIOSH's Center for Occupa-

See 'Corporates,' p. N26

tional Robotics Research provides scientific leadership to guide the development and use of occupational robots that enhance worker safety, health, and wellbeing. The Center facilitates robotics-related research of traditional industrial robots and emerging robotic technology to prevent traumatic injuries, musculoskeletal disorders, and psychological stress across many industrial sectors.

—Please see <https://www.cdc.gov/niosh/updates/upd-05-03-21.html> for more about this.

KBR Helps Deliver Green Train Station

The North West Program Alliance (NWP), comprised of Victorian Government authority Level Crossing Removal Project (LXRP), Metro Trains Melbourne, construction partner John Holland, and design partner KBR, recently delivered the first train station in Australia to be awarded a 5 Star Green Star As Built Rating (using a custom railways tool) by the Green Building Council of Australia (GBCA). Receiving the rating for Reservoir Station in Melbourne's northern suburbs reflects NWP's ability to collaborate and innovate to create a sustainable future for the Victorian community. GBCA's Green Star rating is an internationally recognized award that assesses the sustainability outcomes of infrastructure projects, from the initial design stage through construction and the final outcome. NWP's key achievements at Reservoir Station include a 41% reduction in electricity demand during peak hours; a 92% calculated reduction in operational water use; low use of volatile organic compounds and formaldehyde products; improved air quality inside the station; and 100% use of responsibly sourced steel. The 5 Star Green Star As Built rating reflects KBR's mission to create sustainable and innovative solutions and collaborate with alliance partners, customers, and governments to uphold their sustainability values.

—Visit <https://www.kbr.com/en/insights-events/stories/kbr-helps-deliver-sustainable-five-star-green-star-train-station> to read more about this.

Corporate News Bites

ALPA: The Air Line Pilots Association, Int'l (ALPA), issued a statement recently praising the U.S. House of Representatives Transportation and Infrastructure Committee introduction of the Fair and Open Skies Act. ALPA thanked the Representatives involved in creating and sponsoring the legislation. They also requested that Congress protect labor rights, safety, and the competitiveness of the U.S. airline industry by passing the Act. *To read the complete statement, please visit <http://www.alpa.org/news-and-events/news-room/2021-05-11-introduction-bipartisan-fair-open-skies>.*

Martin-Baker: South Korea's first indigenous fighter jet prototype was unveiled in early April. These fighter jets will be fitted with Martin-Baker Mk-18 ejection seats. They are proud to be a part of this project and to support South Korea and their air force in this, which is a significant milestone for them. *For the press release, please see <https://martin-baker.com/2021/04/28/south-korean-kf-21-aircraft-with-martin-baker-mk18-seat-unveiled-at-kai-showcase/>.*

Serco Awarded Open Space Contract by Melbourne

Serco has been awarded a 3-year contract extension to continue providing diverse open space management and maintenance services to keep Melbourne's public spaces safe and looking their best. Since 2014, Serco has managed more than 500 hectares of Melbourne's CBD open spaces, including Fitzroy Gardens, the Shrine of Remembrance, and the historic Queen Victoria Gardens, which are home to the iconic Floral Clock. Across two city regions, Serco maintain more than 4 million square meters of grasslands, turf, and sporting grounds and care for more than 300,000 square meters of floral beds. Through their services, they manage and protect the council's investment in parks, gardens, buildings, and infrastructure, recognizing that the distinctive physical character of a city is a major contributing factor to its economic and social vitality. The 3-year extension will see Serco continue providing these services until the end of March 2024.

—Please see <https://www.serco.com/aspac/news/media-releases/2021/serco-continues-to-help-make-melbourne-one-of-the-worlds-most-liveable-cities> for more on this.

MEETINGS CALENDAR

Please check meeting websites for changes.

HFACS Workshops; ONLINE. Workshops on the The Human Factors Analysis and Classification System (HFACS) are now available online and 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. Dates and locations are as follows: June 16-17, 2021 @ Online/Virtual; July 13-14, 2021 @ Las Vegas, NV; September 14-15, 2021 @ Daytona Beach, FL; October 13-14, 2021 @ Online/Virtual.

June 14-18, 2021; Global Space Exploration Conference (GLEXP 2021); St. Petersburg, Russia. For more info, please visit <https://www.iafastro.org/events/global-series-conferences/glex-2021/>.

August 3-6, 2021; Society of U.S. Naval Aerospace & Operational Physiologists (SUSNAOP) Lecture Series on Military Pilot Optimization; Virtual and In-Person. For more info, please visit <https://www.susnaop.com/>.

Sept. 22-24, 2022; 1st International Conference of Aerospace Medicine (ICAM 2022); Paris, France. For more info, please click [here](#).

Sept. 23-25, 2021; Civil Aviation Medical Association (CAMA) Annual Scientific Meeting; Embassy Suites - Brooks, San Antonio, TX. Please see the [meeting schedule](#) for more details.

Oct. 25-27, 2021; 4th International Conference and Expo on Aerospace and Aeronautical Engineering; Valencia, Spain. For more info, please visit the website at www.scientificfederation.com/aerospace-aeronautical-engineering/.

Oct. 25-29, 2021; International Astronautical Congress (IAC) 2021; Dubai, United Arab Emirates. For more information, visit <https://www.iafastro.org/events/iac/iac-2021/>.