



Ever Upward: March 2023

Welcome the Blue Journal's New Assistant to the Editor

At the end of December 2022, Deb Sventek, *Aerospace Medicine and Human Performance's* (AMHP's) Assistant to the Editor, retired. With her retirement, a new assistant was hired and started at the beginning of January.



Sandy Kawano, B.A., is the new Assistant to the Editor for AMHP. She retired from the U.S. Air Force School of Aerospace Medicine in 2019 after over 30 years as a technical writer-editor for both the Navy and Air Force, serving at locations in California, Japan, Texas, and Ohio. She currently volunteers as a technical editor for the Residency in Aerospace Medicine (RAM) program at the U.S. Air Force School of

Aerospace Medicine, where she edits and formats the RAM's Aerospace Medicine Clinic articles and AsMA abstracts/presentations/posters. She also edits and produces *FlightLines*, the newsletter of the Society of U.S. Air Force Flight Surgeons. She enjoys working out to Zumba and, in her spare time, baking breads and bagels. Sandy and her husband Seiji live in Terre Haute, IN.

New Members

AsMA welcomes 43 new members in March.

- Adams, Shannon; San Diego, CA, USA
- Alparslan, Sila; Ankara, Turkey
- Anderson, Isaac; Ypsilanti, MI, USA
- Benson, Charles; Chicago, IL, USA
- Berckes, Stacy; Umatilla, FL, USA
- Bush, Aaron; Jacksonville, FL, USA
- Cabrerros, Michelle; Quezon City, Philippines
- Castano, Christian; White Plains, NY, USA
- Ceylan, Berrin; Ankara, Turkey
- Dacanay, Christopher; Quezon, Philippines
- De Luigi, Arthur; Scottsdale, AZ, USA
- Erickson, Kent; Katy, TX, USA
- Ferman, Daniel; FPO, AP, USA
- Flintoff, Kaledas; Edinburgh, South Australia, Australia
- Franc, Claudio; Baton Rouge, LA, USA
- Gesch, Julie; San Francisco, CA, USA
- Gupta, Salil; Noblesville, IN, USA
- Hatsutani, Tomoki; Saitama City, Japan
- Henderson, Rebecca; Glenside, PA, USA
- Hosea, Gabrielle; Highlands Ranch, CO, USA
- Kanthar, Witsawat; Bangkok, Thailand

Read Current News Online!

Visit the AsMA, Member, & Industry News to see what's new! **Members:** please check the Job Fair each month; new jobs are posted as we receive them.

- Layne, Keith; Oklahoma City, OK, USA
- Le, Tyler; Tampa, FL, USA
- Mathew, Nathanael; Pearland, TX, USA
- McGhie, Peter; Ciudad Vieja, Guatemala
- Miyazaki, Kyuichi; Akishima, Japan
- Naylor, Ethan; Bethesda, MD, USA
- Orsello, Christopher; Wright-Patterson AFB, OH, USA
- Quemard, Riannon; Semaphore South, South Australia, Australia
- Rizzo, Michael; Corpus Christi, TX, USA
- Savaser, Davut; Portland, OR, USA
- Seligson, John; Orlando, FL, USA
- Sheh, Evan; Boston, MA, USA
- Shepler, Brian; West Lafayette, IN, USA
- Sulpizio, Hadley; Norfolk, VA, USA
- Talley, Jamie; Boyd, TX, USA
- Thambidurai, Anitha; Bengaluru, Karnataka, India
- Thanoo, Nivaas; Cleveland, OH, USA
- Thompson, Colton; Ann Arbor, MI, USA
- Umair, Misbah; Doha, Qatar
- Van Hoy, Scott; Jacksonville, FL, USA
- Villaruel, Edgar; Bethesda, MD, USA
- Wexler, David; Shrewsbury, MA, USA

AsMA welcomes back five members:

- Beninati, William; Murray, UT, USA
- Landry, Keith; Paincourtville, LA, USA
- Langille, Heather; Ottawa, Ontario, Canada
- Lee, Euntaek; Gangseo-gu, South Korea
- Marketos, Gerald; Rome, NY, USA

In Memoriam: Malcolm Cohen

AsMA HQ staff were saddened to hear of the death of Malcolm M. Cohen, Ph.D., in mid-February. He was educated at



Brandeis University and the University of Pennsylvania, where he received his Ph.D. in Experimental Psychology in 1965. He worked as a Research Psychologist at the Naval Air Material Center and the Naval Air Engineering Center in Philadelphia, as well as at the Naval Air Development Center in Warminster, PA, where he served as a Supervisory Research Psychologist until 1982, when he transferred to

NASA-Ames Research Center, at Moffett Field, CA. He served as the Assistant Chief of the Biomedical Research Division, the Chief of the Neurosciences Branch, the Chief of the Human Information Processing Research Branch, and as a Principal Investigator and Research Scientist until 2005, when he retired from NASA. He was an adjunct faculty member at several Universities, including Drexel University, the State University of New York College of Optometry, the Naval Postgraduate School, and the University of North

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Carolina. He also was a lecturer in the Department of Aeronautics and Astronautics and a Consulting Professor in the Human Biology Program at Stanford University for several years. He was a member of the NASA-Ames Human Research Institutional Review Board, the NASA Human Research Program Sensorimotor Risk Standing Review Panel, and the External Advisory Council of the National Space Biological Research Institute. He was the principal consultant and sole proprietor of Malcolm M. Cohen, Ph.D., and Associates, which provided research, consultation, and advice in the area of aerospace human factors.

Dr. Cohen's contributions to NASA were recognized by numerous awards, including the NASA Medal for Exceptional Scientific Achievement and three Group Achievement Awards: one for his work on the Lunar and Mars Exploration Initiative Team, one for his work on the Neurolab Spacelab Mission Science Team, and one for his contributions to the NASA Astrobiology Team. He was a Fellow of the Aerospace Medical Association and the recipient of the Sidney D. Leverett, Jr., Environmental Science Award, the Raymond F. Longacre Award, and the Kent K. Gillingham Award. He was also a Fellow and Past-President of the Aerospace Human Factors Association and the recipient of its Henry L. Taylor Founder's Award. In addition, Cohen was an Associate Fellow of the American Institute of Aeronautics and Astronautics and received both an AIAA Leadership and Service Award and the Jeffries Aerospace Medicine and Life Sciences Research Award. His other professional affiliations included membership in the American Association for the Advancement of Science, the New York Academy of Sciences, the Psychonomic Society, and the Society of the Sigma Xi.

FAA News

Fuel-Saving Arrival Routes

Planes heading to Orlando, Kansas City, Omaha, Reno, and six airports in South Florida can now slide down from cruising altitude to final approach saving millions of gallons of fuel and reducing greenhouse gases. The new Optimized Profile Descents (OPDs) safely eliminate the need for the fuel-consuming stair-step procedure. Under traditional procedures, aircraft repeatedly level off and power up the engines. This burns more fuel and requires air traffic controllers to issue instructions at each step. With optimized descents, aircraft descend from cruising altitude to the runway in a smooth, continuous path with the engines at near idle. During 2022, the FAA implemented new OPDs for the following 11 airports: Boca Raton Airport, Fort Lauderdale Executive Airport, Kansas City International Airport, North Palm Beach County General Aviation Airport, Eppley Air Field,

NE, Offutt Air Force Base, NE, Orlando International Airport, Palm Beach County Park Airport, Palm Beach International Airport, Pompano Beach Airpark and Reno/Tahoe International Airport. With these new descents in place, the FAA estimates that the industry will save more than 90,000 gallons of fuel on average and will reduce greenhouse gas emissions by 27,000 tons annually. This change is equivalent to fuel used by 62 Boeing 737 flights between New York and Cleveland. Visit <https://www.faa.gov/newsroom/faa-adds-fuel-saving-arrival-routes-11-airports> to read the complete press release.

Increased Safety at Airports

A new rule from the Federal Aviation Administration will help airports detect and mitigate safety problems before they result in accidents or incidents. The final rule requires certain airports to develop and implement a safety management system (SMS). The use of SMS programs by commercial airlines and many manufacturers helped foster the safest era in commercial aviation history. Fundamental to the program is identifying risks and then taking steps to correct potential safety issues before they result in accidents or incidents. The final rule applies to more than 200 of America's busiest commercial airports. The timeline to fully implement SMS ranges from four to five and a half years depending on the airports' classification and operations. For more on this, please see <https://www.faa.gov/newsroom/faa-completes-rule-increase-safety-airports>.

Laser Manufacturers Requested to Add Warning Label

High-powered laser pointers can incapacitate pilots flying airplanes with hundreds of passengers. To combat the threat, Acting FAA Administrator Billy Nolen requested laser manufacturers add a warning label to their packaging to make consumers aware of the safety risks and federal laws when using lasers. Pilots reported 9,500 laser strikes to the FAA in 2022. Two hundred and seventy-eight pilots have reported an injury from a laser strike to the FAA since 2010. People who shine lasers at aircraft face FAA fines of up to \$11,000 per violation and up to \$30,800 for multiple laser incidents. The FAA issued \$120,000 in fines for laser strikes in 2021. For the full release, visit <https://www.faa.gov/newsroom/faa-urges-laser-manufacturers-distributors-add-warning-label-not-shine-lasers-aircraft> for more on this.

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Future AsMA Annual Scientific Meetings

May 21-26, 2023; Sheraton New Orleans, New Orleans, LA
May 5-9, 2024; Hyatt Regency Chicago, Chicago, IL
June 1-6, 2025; Hyatt Regency Atlanta, Atlanta, GA

Authors!

The cost of color printing has dropped significantly. Please consider printing your Figures and Images in full color for the next issue of *Aerospace Medicine and Human Performance*.

If interested, download the Agreement to Pay Extra Charges form from Editorial Manager for your next submission.

\$60
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NEWS OF CORPORATE MEMBERS

Mayo Clinic President Recognized

Prathibha Varkey, M.B.B.S., president of Mayo Clinic Health System, was recognized by Modern Healthcare as one of the “Top 25 Women Leaders” for 2023. The profiles of all the honorees are featured in the Feb. 20 issue of *Modern Healthcare* magazine and online at [ModernHealthcare.com/top-womenexecs](https://www.modernhealthcare.com/top-womenexecs). This prestigious recognition program acknowledges and honors female executives from all sectors of the health care industry for their leadership in care delivery improvement, health equity, policy, and gender equity in health care as well as health care transformation.

—Please visit <https://newsnetwork.mayoclinic.org/discussion/dr-prathibha-varkey-recognized-as-one-of-modern-healthcares-top-25-women-leaders/> to read more about this.

ETC Awarded Contract for Aeromedical Center

Environmental Tectonics Corporation (ETC) announced that its Aircrew Training Systems business unit (ATS) was awarded a contract for the delivery of an Aeromedical Center including the building and all related facilities, in addition to the following products: a tactical flight simulator; a spatial disorientation trainer; an altitude chamber (12 person); a portable hyperbaric chamber; an ejection seat simulator; a night vision/night vision goggle training system; and a water survival system. The services portion of this contract provides integrated logistics services, pilot physiology, and personnel training services through ETC’s NASTAR Center and facility support services.

—Please see <https://www.etcusa.com/etcs-aircrew-training-systems-unit-awarded-85-million-contract/> for more on this.

KBR Recognized by *Fortune* Magazine

KBR announced that it has been named to *Fortune* magazine’s list of the World’s Most Admired Companies for the second straight year. KBR is one of more than 1,500 international candidate organizations selected for consideration by *Fortune* and partner Korn Ferry. The cohort includes the 1,000 largest U.S. companies ranked by revenue and non-U.S. companies in *Fortune*’s Global 500 database with revenues of \$10 billion or more. The cohort was reviewed and narrowed down to the companies with the highest revenues

Corporate News Bites

UTMB: Students at UTMB who are part of an initiative called Taking Our Best Shot held their first health seminar in mid-February in Texas City. Hosted by the Community Overdose and Response and Recovery Effort, the seminar covered how to recognize signs of a fentanyl overdose and how to administer Naloxone. The students also applied for a Schweitzer Fellowship in the hopes of expanding their work. Visit https://www.galvnews.com/news/utmb-students-train-people-to-save-overdose-victims/article_82438453-b873-55ba-964e-547c1e133c06.html to read the complete press release.

in 52 industries — a total of 640 companies from 28 nations. Top-rated companies were then selected from that pool of 640. Companies were independently rated by executives, directors and analysts from each industry based on nine criteria.

—Please visit <https://www.kbr.com/en/insights-news/press-release/kbr-again-recognized-fortune-magazine-most-admired-companies-list> to read the full press release.

ALPA Honors Flight 3407 Victims

In early February, the Air Line Pilots Association, International (ALPA), Families of Flight 3407, and Clarence Center Volunteer Fire Company gathered to remember those lost in the crash of Flight 3407 and honor the progress aviation safety made as a result of the tireless advocacy of the families. The remembrance event took place at the Clarence Center Volunteer Fire Hall, where the response and investigation of the crash were staged, a few houses away from the Flight 3407 memorial and crash site. Flight 3407, which crashed on February 12, 2009, marked a turning point in aviation safety as the families and stakeholders worked tirelessly to prevent a similar accident from happening and helped pass the Airline Safety and FAA Extension Act of 2010. The new standards raised the bar for U.S. aviation, improving pilot qualification, experience, and training requirements, implementation of safety management systems with enhanced voluntary safety reporting programs, and pilot training for high altitude operations, flight in adverse weather, stall prevention and recovery, and science-based flight, duty, and rest requirements.

—Please visit <https://www.alpa.org/news-and-events/newsroom/2023-02-10-alpa-families-clarence-center-volunteer-fire-company-honor-memory-flight-3407-victims> to read more.

MEETINGS CALENDAR

Please check the websites of meetings listed to see updates.

Calls for Papers—Ongoing: IAF’s Global Networking Forum Space Conversations Series, online. For more info, please visit <https://www.iafastro.org/events/iaf-gnf-space-conversations-series/>.

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

March 20-23, 2023; Preventive Medicine 2023; New Orleans, LA. For more information or to register, please visit <https://pm2023.acpm.org/>.

April 17-18, 2023; International Conference on Aerospace Medicine (ICAM); London, UK. For more information, visit <https://waset.org/aerospace-medicine-conference-in-april-2023-in-london#nav-topics>.

June 9-12, 2023; Flying Physicians Association 68th Annual Meeting; Colorado Springs, CO, USA. For more info, visit <https://fpadrs.org/event-5157240>.