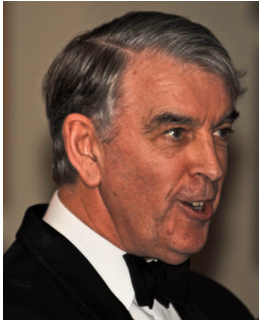




# Ever Upward: September 2018

## Bagshaw Elected GASCo Chairman

Michael Bagshaw, M.B.Ch.B., D.Av.Med., Professor of Aviation Medicine, Past President of the Aerospace Medical Association (AsMA), and AsMA Fellow, was elected by the General Aviation Safety Council (GASCo) to be their new chairman at their annual meeting in July. Prof. Bagshaw is visiting Professor of Aviation Medicine at King's College London and visiting Professor at Cranfield University. He was a recipient of AsMA's Louis H. Bauer Founders Award in 2008 and the Boothby-Edwards Award in 2011. GASCo is dedicated to improving flight safety in general aviation. For more, please visit [https://www.gasco.org.uk/flight-safety-extra/flight\\_safety\\_extra\\_august\\_2018/new\\_chairman\\_for\\_gasco](https://www.gasco.org.uk/flight-safety-extra/flight_safety_extra_august_2018/new_chairman_for_gasco).



## News of Members

**Paulo Alves, M.D., M.Sc.**, Global Medical Director for Med-Aire and a Fellow of AsMA, was interviewed in June for a podcast on emergency medicine at 30,000 ft. The introduction talks about the questions a physician aboard such a flight might have, such as what are the doctor's options? Are there medical supplies aboard? What are the legal risks and ethical responsibilities? To listen to the podcast, please visit <https://peerspectrum.com/2018/06/26/hidden-world-of-in-flight-medical-emergencies-dr-paulo-alves-global-medical-director-for-medaire/>.



## Snyder Interviewed by *Washington Post*

Dr. Quay Snyder, AsMA Fellow and President and CEO of Aviation Medicine Advisory Service (AMAS), was interviewed for an article in the *Washington Post* about staying healthy while flying. The interview touches on subjects such as cabin air, where to sit, and moving around to prevent deep vein thrombosis. Overall, flying is safe, so using common sense during a trip will help smooth things. Dr. Snyder was the 2016 recipient of the Boothby-Edwards Award from AsMA for, in part, his work promoting health, prevention of disease, and medical certification of airline pilots internationally. To read the complete article, please visit [https://www.washingtonpost.com/lifestyle/travel/want-to-stay-healthy-while-flying-follow-this-advice-from-an-aviation-doctor/2018/08/08/41c3bdd2-90e5-11e8-8322-b5482bf5e0f5\\_story.html](https://www.washingtonpost.com/lifestyle/travel/want-to-stay-healthy-while-flying-follow-this-advice-from-an-aviation-doctor/2018/08/08/41c3bdd2-90e5-11e8-8322-b5482bf5e0f5_story.html).



## New Members

*AsMA welcomes 18 new members in September.*

- Aissiou, Amira; Spruce Grove, Alberta, Canada
- Bernhard, Jason; Pensacola, FL, United States
- Dalal, Sawan; Lake Jackson, TX, United States
- Gorog, Jonathan; Indianapolis, IN, United States
- Kodama, David; Toronto, Ontario, Canada
- Kuwada, Naruo; Shinjukur-ku, Tokyo, Japan
- Marshall, John; Dallas, TX, United States
- Milne, Eric; Victoria, British Columbia, Canada
- Pollock, Ross; London, United Kingdom
- Prohaska, Clare; Aurora, CO, United States
- Schwartz, Skye; Daytona Beach, FL, United States
- Searson-Norris, Latrise; Wright-Patterson AFB, OH, United States
- Siegel, Micah; New Orleans, LA, United States
- Stephens, Michael; Augusta, GA, United States
- Tisdale, Carter; Alexander City, AL, United States
- Voice, Ste'Von; San Antonio, TX, United States
- Wilson, Kristopher; Fort Rucker, AL, United States
- Yuen, Anthony; New York, NY, United States

## Book Edited by AsMA Members Wins Award

The International Academy of Astronautics (IAA) has recognized the 4th edition of "Space Physiology and Medicine from Evidence to Practice" with the 2018 Luigi Napolitano Award for Life Sciences. The book was edited by Arnauld E. Nicogossian, Richard S. Williams, Carolyn L. Huntoon, Charles R. Doarn, J. D. Polk, and Victor Schneider.

Arnauld Nicogossian, Carolyn Huntoon, Charles Doarn, and J. D. Polk are Fellows of AsMA. Richard Williams is a past member and Victor Schneider is a current member. Additionally, Arnauld Nicogossian and Carolyn Huntoon are recipients of the Louis H. Bauer Founders Award and Richard Williams is a recipient of the John A. Tamisiea Award.

## In Memoriam: Robert Fassold

AsMA was saddened to learn of the death of M.Gen.(Ret.) Robert W. Fassold, CSTJ, CD, BSC, DPH, M.D., former Surgeon General of the Canadian Forces, and Past President of the Aerospace Medical Association (AsMA). Gen. Fassold was a native of London, Ontario, Canada. He earned a B.Sc. from the University of Western Ontario in 1955, joined the Royal Canadian Air Force, and was at the top of his class at advanced flying school in 1957.

Gen. Fassold first served as a pilot at 2 Air Navigation School in Winnipeg, where he was also an aircraft maintenance and repair test pilot. In 1959, he flew heads of state and military and civilian dignitaries from the 412(VIP) Transport

*See 'Fassold,' p. N60*

Send information for publication in this newsletter to: Journal Department, AsMA; [rtrigg@asma.org](mailto:rtrigg@asma.org)



Squadron in Ottawa to destinations around the world in a De Havilland Comet 1A aircraft. He received an M.D. from the University of Western Ontario in 1967 and then served a tour as a Flight/Base Surgeon at CFB Trenton. After that, he attended the School of Hygiene at the University of Toronto, earning a DPH in 1972. He completed an aerospace medicine residency at the U.S. Air Force School of Aerospace

Medicine in 1973 and was certified in aerospace medicine.

In 1977, Gen. Fassold became Deputy and then Acting Chief of the Defence and Civil Institute of Environmental Medicine. He was promoted to Deputy Surgeon General in 1980. He became Surgeon General in 1985 and served in that capacity until 1988. During his time as Surgeon General, he was the driving force behind the creation of the first two medical command formations in the Canadian Forces. During that time, he was also appointed Queen's Honorary Physician and elected to the Order of St. John of Jerusalem; he became a Commander in the Order in 1986. He was President of AsMA from 1986-1987, one of the first non-American AsMA members to be chosen.

After Gen. Fassold retired from the Canadian Forces, he became Chairman of the Canadian Space Agency's Life Sciences Advisory Committee and a Consultant in Occupational Medicine to Transport Canada's Aviation Medicine Review Board. He was a Fellow of AsMA, was active in various committees, and served as a Member-at-Large of the Executive Committee. He was also a long-standing member of the NATO/AGARD Aerospace Medicine Panel and ASSC Working Party 61. His awards included the Canadian Forces Decoration with clasp.

### In Memoriam: Karl Klein

AsMA was saddened to hear of the death of Prof. Karl E. Klein, Dr. med., in late July. A native of Köln, Germany, he earned a Dr. med. in 1955 at the Medical School, Universität Köln, where he also worked as a research assistant in both the Department of Neurology and Psychiatry and the Department of Physiology. He began his career in aerospace medicine in 1958 and became Professor of Aviation and Space Medicine at the Rheinisch-Westfälische Technische Hochschule in Aachen in 1983. He later became Director of the DLR Institute of Space Medicine, where he served until 1992, when he retired.

From 1970-1971, Dr. Klein took a sabbatical, which he spent as an Invited Research Associate at Wright State University and the Aerospace Medical Research Laboratory, Wright-Patterson AFB, OH. He authored or co-authored over 180 scientific papers and publications and chaired the European Space Agency Symposium on Life Sciences Research in Space in Köln in 1977. He also organized the 6th

#### Read Current News Online!

News pages are updated regularly as we get news. Members: check the Job Fair; new jobs are posted monthly!



International Astronautical Federation Symposium in Bonn in 1980.

Dr. Klein was a Fellow of the Aerospace Medical Association (AsMA) and Vice President from 1982-1983. He also served on the Advisory Board of the AsMA Journal. He was the 1975 recipient of the then Walter M. Boothby Award (now the Boothby-Edwards Award) and the 1981 recipient of the Sidney D. Leverett, Jr.,

Environmental Science Award. He was chosen to be the Harry G. Armstrong Lecturer for the 47th AsMA Annual Scientific Meeting. The Space Medicine Association (SMA) awarded him the Hubertus Strughold Award in 1987 and he became SMA's President from 1992-1993.

Dr. Klein was also a member of both the International Academy of Aviation and Space Medicine and the International Academy of Astronautics. He was Vice President of the European Low Gravity Research Association from 1984-1986. He was awarded the Officer's Cross of the Order of Merit of the Federal Republic of Germany in 1986 and also received the Yuri Gagarin Medal in 1989, the Alan D. Emil Award in 1990, and the Theodore von Kármán Award in 1991.

### Historical Note: Edwin Link

Edwin Link was the inventor of the flight simulator. He was an aviation pioneer who advanced flight by training pilots. Link's invention responded to the pilot's controls and gave accurate readings on flight instruments, such as the altimeter, allowing pilots to train without ever having to leave the ground. Link's "Blue Box" simulators were used by every flight school in the country and are still used in the pilot certification process today.

Link established the Link Foundation in the Smithsonian Institution to provide assistance to students of the aeronautical sciences in 1953. He also provided for fellowships in aviation medicine residency at Ohio State University College of Medicine and in aviation psychology at Tufts College, where the recipient would also participate in the aviation research program. At the time, those fellowships were believed to be the first offered for the specialty of aviation medicine.

Born in Huntington, IN, he became an aviator in the 1920s while working at his father's organ factory. When he realized that a more effective way was needed to train pilots on the ground, he put together a simulator from parts and techniques from the organ factory. Later in life, Link took up oceanographic exploration, designing and developing numerous devices to assist scientific research underwater.

See 'Link,' p. N61

#### Submit an abstract for the annual meeting!

The NEW abstract submission site is open. Visit the [Abstract Submission page](#) for more information.

**Deadline is November 1, 2018. NO EXCEPTIONS!**

From 'Link,' p. N60

Edwin Link was inducted into the National Inventors Hall of Fame in 2003. His Hall of Fame profile can be read at <http://www.invent.org/honor/inductees/inductee-detail?IID=192>. There is also an article about the fellowships in the *Journal of Aviation Medicine* [J Aviat Med. 1955; 26(4):267].

### Visit Us on Social Media!

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**FB:** [www.facebook.com/AerospaceMedicalAssociation](http://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)

## NEWS OF CORPORATE MEMBERS

### ALPA Presents Pilot Assistance Award

At the 64th Air Safety Forum in August, the Air Line Pilots Association, Int'l (ALPA), recognized United Airlines Capt. Jerry McDermott with this year's Pilot Assistance Award. ALPA presented its prestigious award to Capt. McDermott for his extraordinary service leading ALPA's national pilot assistance programs. Through tireless efforts, Capt. McDermott has helped pilots continue their careers through mentoring and monitoring. In his role as chairman of ALPA's Pilot Assistance group, Capt. McDermott collaborated with industry and government stakeholders to help strengthen Pilot Assistance programs across the industry.

—Please visit <https://www.alpa.org/news-and-events/newsroom/2018-08-02-air-safety-forum-pilot-assistance-capt-jerry-mcdermott> to read more on this.

### New NIOSH Report Shows Rise in Black Lung

According to a new report by the National Institute for Occupational Safety and Health (NIOSH) published in the *American Journal of Public Health*, 1 in 10 underground coal miners who have worked in mines for at least 25 years were identified as having black lung. Coal miners in central Appalachia are disproportionately affected with as many as 1 in 5 having evidence of black lung—the highest level recorded in 25 years. The data in this report come from NIOSH's Coal Workers Health Surveillance Program (CWHSP). NIOSH has operated the CWHSP and tracked the burden of black lung disease in underground coal miners since 1970. Through the Program, coal miners are offered pe-

riodic chest X-rays to detect early signs of black lung. For this study, NIOSH researchers looked at X-ray data collected by the CWHSP from working underground miners during 1970 to 2017. This latest national estimate of 10% is higher than the previous NIOSH estimate last reported using data from 2012, which found 7% of coal miners who worked more than 25 years in underground mines had evidence of black lung.

—Please see <https://www.cdc.gov/niosh/updates/upd-07-20-18.html> for more on this.

### KBRwyle Provides USN with High-G Flight Training

KBRwyle has been awarded a contract by the U.S. Naval Air Warfare Center Training Systems Division to provide centrifuge-based training for all U.S. Navy and Marine Corps aircrew, including the world famous flight demonstration squadron, the Blue Angels. KBRwyle will conduct centrifuge-based flight environment training for approximately 600 students annually from the Navy's Blue Angels flight demonstration squadron, as well as the Chief of Naval Air Training, Naval Strike Air Warfare Center, and the Chief of Naval Air Forces and U.S. Marine Corps. KBRwyle instructors will teach students about the physiological effects of acceleration and countermeasures used in a high-G environment. Students will receive classroom instruction as well as realistic, hands-on training in the company-operated centrifuge that generates acceleration forces equivalent to those experienced during flight. KBRwyle will provide all personnel, resources, facilities, and maintenance for this training, and will support routine Navy inspections to ensure the safety of its operations.

—Please see <https://kbr.com/about/newsroom/press-releases/2018/08/15/kbrwyle-provides-us-navy-with-exclusive-high-g-flight-training> to read more on this.

### Mayo Clinic Collaborates to Develop Blood Management Program

Mayo Clinic implemented a patient blood-management program in 2010 on its Rochester campus and has since experienced a 35% reduction of blood transfusions, improving patient outcomes and achieving significant savings. Using best practices from the program, Mayo Medical Laboratories, the global reference laboratory of Mayo Clinic, collaborated with National Decision Support Company (NDSC) to combine Mayo's clinical knowledge with NDSC's industry-leading expertise in electronic health record (EHR) clinical-decision support. Together, Mayo Medical Laboratories and National

See 'Corporate News', p. N62

### Corporate News Bites

**Allied Pilots Association:** The Allied Pilots Association has voiced support for the Securing and Revitalizing Aviation Act of 2018 (S. 3270). They applauded Senators Inhofe and Duckworth for sponsoring the bill. Please see <https://www.alliedpilots.org/News/ID/6196/Allied-Pilots-Association-Enthusiastically-Supports-Securing-and-Revitalizing-Aviation-Act-of-2018> for more about this.

**NKI:** NeuroKinetics (NKI) has attended a record number of conferences to celebrate the launch of I-PAS and IndyCar Science. At the end of August, they will have attended nine conferences, which is more in one year than in their history. Please visit <https://www.neuro-kinetics.com/project/record-year-of-conferences/> to see the press release.

From 'Corporate News,' p. N61

Decision Support Company have developed a new patient blood-management solution called CareSelect™ Blood. The program will assist health care providers with the appropriate utilization of blood products, improving patient care and reducing costs.

—Please see [Mayo Clinic's press release about CareSelect for more on this](#).

### SAA Launches Employee App

South African Airways (SAA) this week launched one of its flagship initiatives to promote communication between management and its employees. The app, which is innovative and the first of its kind in the history of the airline, can be downloaded on mobile devices. It will enable employees to interact with the chief executive officer, Mr Vuyani Jarana, and management in a more direct and secure manner. The app can be downloaded on company-issued mobile devices as well as on personal devices to those employees who have access to computers only.

—Please visit <https://www.flysaa.com/about-us/leading-carrier/media-center/media-releases/newsroom#> to read more on this.

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

Corporate & Sustaining Members can send news to the *Journal*. If not a member, become a one! Visit [www.asma.org/for-corporations](http://www.asma.org/for-corporations) or [request information](#).

### Future AsMA Annual Scientific Meetings

May 5-9, 2019: Rio All Suites Hotel; Las Vegas, NV  
May 17-21, 2020: Hyatt Regency Atlanta; Atlanta, GA  
May 23-27, 2021; Peppermill Resort Hotel; Reno, NV

### MEETINGS CALENDAR

**Sept. 20-23, 2018;** 6th European Congress of Aerospace Medicine; Prague, Czech Republic. The theme will be "Trust and Care in Aviation Safety." For more, please visit <https://www.asma.org/scientific-meetings/prague-czech-republic-6th-european-congress-of-aer>.

**24-28 Sept. 2018;** 33rd International EAAP Conference on Aviation Psychology and Human Factors in Aviation; Hotel Dubrovnik Palace, Dubrovnik, Croatia. For more information, please visit [conference.eaap.net/submit.html](http://conference.eaap.net/submit.html).

**25-26 Sept. 2018;** Aviation Health Conference; Holiday Inn Kensington Forum, South Kensington, London. In partnership with the Airlines Medical Directors Association (AMDA). Full details are available at [www.quaynote.com/conference/aviation-health-conference-2018/](http://www.quaynote.com/conference/aviation-health-conference-2018/). Follows the European Congress of Aerospace Medicine in Prague 20-23 September.

**Sept. 27-29, 2018;** Civil Aviation Medical Association (CAMA) Annual Scientific Meeting; Captain Cook Hotel, Anchorage, Alaska. Approved for FAA recertification credit and rated for CME and MOC credit. Contact CAMA at [civilavmed@aol.com](mailto:civilavmed@aol.com) or by telephone at 770-487-0100 for additional information or see the [Schedule of Events](#).

**Oct. 1-5, 2018;** 69th Annual Astronautical Congress; Bremen, Germany. For more information, please visit <https://www.iac2018.org/>. They will be having an open 'public day' on Oct. 3; for more information on that, please see <https://www.iac2018.org/program/public-day/>.

**Oct. 17-18, 2018;** 9th International Conference on Epidemiology and Public Health; Las Vegas, NV. This conference will bring together healthcare professionals across all fields related to epidemiology and public health professionals globally. For more information, please visit <https://epidemiology-publichealth.conferenceseries.com/>.

**Oct. 17-19, 2018;** 1st International Congress on Issues of Aviation Medicine; Moscow, Sheremetyevo airport, Aeroexpress terminal, Corporate University AO. For more information, please visit [www.avam-avia.ru](http://www.avam-avia.ru).