



Ever Upward: February 2016

Proposed Changes to the Bylaws

In accordance with Article XII of the Bylaws of the Aerospace Medical Association, the following proposed changes to the bylaws are printed herein. They will be voted upon at the next Annual Business Meeting to be held Tuesday, April 26, 2016. The meeting is open and all members are encouraged to attend (no lunch purchase is necessary to participate in the meeting). The deletions are listed as strikethroughs. The additions are italicized and underlined.

ARTICLE **. CORPORATE FORUM

Add after ARTICLE III. MEMBERSHIP

SECTION 1. Corporate Forum.

- A. Titles: The Corporate Members shall constitute the Corporate Forum.
- B. Structure: The Corporate Forum may have an internal governance structure of its choosing, with officers and procedures appropriate to its activities.
- C. Representation: The Corporate Forum shall choose one of its members to represent the Forum at Council meetings. The representative shall serve as a liaison between the Council and the Forum. The Corporate Forum is aligned under the Vice President of Member Services.
- D. Relationship to Corporate and Sustaining Membership Committee: The Corporate Forum will work in coordination with the Corporate and Sustaining Membership Committee as described in Article XI of these Bylaws.

SECTION 2. Membership.

All members of the Corporate Forum shall be Corporate Members as determined in Article II of these Bylaws.

SECTION 3. Activities.

- A. Forum Events: The Corporate Forum will plan and conduct an Advisory event, in coordination with Council, at the Annual Scientific Meeting. The purpose of the Advisory will be an exchange of information and goals between the Association leadership and the Forum to facilitate good relations and advances in the field of Aerospace Medicine and Human Performance. The Forum may also sponsor a speaker or other similar event(s) for the general Association membership.
- B. Forum Budget: The Association budget will consider and plan for reasonable expenses in connection with Forum events.

ARTICLE VII. COUNCIL OF THE AEROSPACE MEDICAL ASSOCIATION AND EXECUTIVE COMMITTEE.

SECTION 2. Membership of the Council.

Membership of the Council shall consist of the President, President-Elect, the immediate Past President, the four Vice Presidents, the Secretary, the Treasurer, 12 elective members, one member selected by each of the Constituent Organizations, one member selected by the Fellows group, one member selected by the Associate Fellows Group, the Editor-in-Chief of the Association's official journal (*ex officio* member without vote; appointed by the President and approved by Council), a representative from the Corporate Forum (*ex officio* member without vote), and a student or resident representative selected by the Aerospace Medicine Student Resident Organization. The Executive Director shall be an *ex officio* member without vote. No such elected member.....

Rationale: These two changes cover the formation of the Corporate Forum as a replacement/evolution for the Corporate and Sustaining Affiliate. The Affiliate category does not recognize the unique role the Corporate members play in the Association, leading to some inconsistencies in the way Affiliates appear to function and in the handling of Affiliate dues. The development of the Corporate Forum is a formalization of the unique relationship between the Association and its Corporate members. The changes also allow for a liaison from the Forum to be a non-voting member of Council.

ARTICLE XI. COMMITTEES.

SECTION 3. Standing Committee Functions.

M. Nominating Committee: Elected officer and the elective members of the Council shall be nominated by a Nominating Committee made up of the five most recent living Past Presidents of the Association and a representative selected from each Constituent Organization of the Aerospace

Medical Association. The immediate Past President shall serve as a member of the Nominating Committee for a one year term, and shall become Chairperson of that committee in the subsequent year. ~~The President shall appoint another Past President to serve as chair if the immediate Past President is unable to or unwilling to discharge the associated responsibilities.~~ A Chairperson or any Past President who is unable or unwilling to discharge their associated responsibilities shall be replaced by the President with another Past President who will assume seniority of the person replaced and will be appointed by the President. The Nominating Committee shall ~~meet at least annually in advance of the opening ceremony of the annual meeting~~ conduct its activities by electronic communication. Each individual nominated shall have been approved by at least a simple majority vote of the Nominating Committee members ~~present at their meeting.~~ The report of the Nominating Committee shall be made prior to the Annual Scientific Meeting as stipulated in the Policies and Procedures Manual and orally and shall also be made available to members in writing at the opening ceremony of the annual meeting Annual Scientific Meeting. ~~Any member may offer Additional additional nominations, including name of nominee and office for which nominated, may be offered from the floor at the annual business meeting; however, the Executive Director must be provided written notice of the nomination no less than twenty-four hours before the annual business meeting, by a member upon three hours advance written notice to the Executive Director.~~ Such nominations must be accompanied by a petition of at least 2% of the active members of the Association and must be accepted by a two-thirds majority vote of members attending the annual business meeting, before the nominee can be a candidate in a vote for a named position.

Rationale: Redundancy is reduced by the early deletions. Clarification is provided regarding the process to replace a Chairperson or any Past President who cannot fulfill their responsibilities. The need for a face-to-face meeting is obviated by the ability to electronically communicate. The Policies and Procedures Manual shall stipulate the advisability to meet during the annual meeting to allow additional communication as needed. The additional notification time for delivery of written notice of a floor nomination is needed to provide adequate membership status of petition signatories and agenda adjustments (separation of voting motions) as necessary to provide for an orderly and efficient Annual Business Meeting. The Policies and Procedures Manual will address the issue of more than one candidate for an elected office being present during voting, possibly by excusal of such candidates during that voting process.

ARTICLE XI. COMMITTEES.

SECTION 3. Standing Committee Functions.

P. Resolutions Committee: Resolutions may be proposed to the Resolutions Committee by individual members, ~~by~~ standing and special committees, Constituent Organizations, ~~by~~ the Executive Committee, and ~~by~~ the Council. Proposed resolutions that have been reviewed and coordinated by the Resolutions Committee shall be submitted to Council. If disapproved by Council, the resolution will be returned to the Resolutions Committee for further review and coordination. and, if approved by Council, the resolution will be presented to the Association membership. Association membership will be notified by electronic means that a ~~Proposed resolutions has~~ will be published on the Association's website for a period of at least 60 days to offer members the opportunity for review and comment. Members of the Association will be notified by electronic means when resolutions are posted on the website for review and when posted for a vote. Members may submit comments to the Resolutions Committee within the 60-day comment period ~~in any form, via electronic means, by letter, or in person during any meeting of the Association.~~ Comments received from members may be incorporated into the proposed resolution by the Resolutions Committee, after which the revised resolution shall ~~again be posted on the Association's website and resubmitted to Council.~~ For a After final vote review and approval by Council, members the draft resolution will be posted on the Association's website for a vote by the membership. Council Association membership shall have final approval of resolutions. Processing and voting on resolutions by the Council Association members can be performed remotely by

See Bylaws, p. N7

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

From Bylaws, p. N6

electronic means or in person during Council Annual Business meetings Meetings of the Association. Electronic voting on proposed resolutions will be open for a period of at least 30 days. A quorum of 100 Association members is necessary for a vote, and a two-thirds majority vote of the full Council of those voting members is required for final approval of a proposed resolution. Voting will not be terminated prematurely when a quorum is achieved but will remain available for the entire 30-day period. If a quorum is not met at the end of the 30-day period, the voting period may be extended up to an additional 30 days.

Rationale: Resolutions present an agreed upon position by the Association. Electronic forums and online voting now make review of proposed resolutions and voting by membership a reality. This change allows for voting on resolutions by the membership outside of the Annual Business Meeting, adding a minimum required period for voting and specifying the required quorum.

ARTICLE XI. COMMITTEES.

SECTION 1. Standing Committees.

A. There shall be the following standing committees:

- (1) Aerospace Human Performance, (2) Aerospace Safety, (3) Air Transport Medicine, (4) Arrangements, (5) Awards, (6) Bylaws, (7) Communications, (8) Corporate and Sustaining Membership, (9) Education and Training, (10) Finance, (11) *Global Liaison and Outreach*, (12) History and Archives, (13) Membership, (14) Nominating, (15) Registration, (16) Resolutions, (17) Science and Technology, and (18) Scientific Program.

SECTION 3. Standing Committee Functions.

~~L. International Activities Committee: This committee shall be responsible for initiation, coordination, and promotion of the goals of the Association international members, constituent and affiliated organizations, while addressing their concerns. The committee will also promote cooperation and understanding in the field of aerospace medicine among international members, constituent and affiliated organizations.~~

~~K. Global Liaison and Outreach Committee: This committee shall be responsible for initiation, coordination, and promotion of the Association's global perspectives, namely: 1) To promote coordination, cooperation, and harmonization of efforts associated with global aerospace medicine and human performance challenges, 2) To promote the importance of and opportunities in aerospace medicine and human performance in each country or region, 3) To identify and promote global best practices in aerospace medicine and human performance research and applications, and 4) To strengthen the connection between AsMA and its global membership, its global constituents and affiliated organizations.~~

Rationale: This motion changes the name of the International Activities Committee to better reflect its global perspective and to better delineate the goals of the Committee. The History and Archives Committee would be re-lettered as L. History and Archives Committee.

News of Members



Dr. Claude Thibeault, B.A., M.D., immediate Past Secretary General of the International Academy of Aviation and Space Medicine (IAASM) for the last 11 years, received the Academy Charles A. Berry award at the 2015 International Congress of Aviation and Space Medicine in Oxford, UK. The award is given for outstanding personal contributions to the advancement of international aerospace medicine and to the Academy. Dr. Thibeault is also a Past President of AsMA, of the AMDA, and of the Academy. He is the current President of Consultants

Aeromed Inc. and the Medical Advisor to the International Air Transport Association (IATA).

Michael Gallagher, M.D., has been selected as the new President and CEO of Astronauts for Hire, a non-profit organization that aims to develop payload specialist astronauts for the commercial space sector. In the summer of 2015, he completed the University of Texas Medical Branch's Principles of Aviation and Space Medicine course. Dr. Gallagher also took a brief course in the fall of 2015 at Embry-Riddle Aeronautical University. The staff of Project PoSSUM, an initiative awarded a NASA Flight Opportunities



Program grant to study noctilucent clouds using a suborbital vehicle, organized this exciting and innovative series in conjunction with Embry-Riddle. It included lectures, aerobatic flights, altitude chamber sessions simulating slow-onset hypoxia, and time in a suborbital spacecraft simulator conducting a mock PoSSUM experiment. Participants wore a spacesuit created by Final Frontier Designs while in the suborbital spacecraft simulator. Dr. Gallagher will be attending the 2016 Human Research Program Investigator's Workshop in Galveston, TX, and the European Conference on Aviation Medicine in Oslo, Norway, this year.

In Memoriam: Donald H. Reid

AsMA was deeply saddened to learn of the death of Donald H. Reid, Ph.D., a former President of the Aerospace Physiology Society and a Fellow



of AsMA. A native of Pennsylvania, Dr. Reid received his B.S. in 1958 from Cornell University in Ithaca, NY, his M.S. from South Dakota State University, Brookings, in 1960, and his Ph.D. in physiology from the University of Southern California, Los Angeles, in 1968. He entered active naval service in 1960, accepting a commission as Ensign in the Navy Medical Service Corps. He trained at National Naval Medical Center in Bethesda, MD, and at the Naval School of Aviation Medicine, Pensacola, FL.

Dr. Reid served in physiological training billets at Naval Air Station, Whidbey Island, WA; Marine Corps Air Station, El Toro, CA; and at the Naval School, Pre-Flight, in Pensacola before returning to graduate school in 1966. From 1968-1969, he served as a research physiologist at the Naval Aerospace Medical Institute in Pensacola and was then assigned to the Naval Aerospace Recover Facility in El Centro, CA. In 1973, he became Head of the Crew Systems Branch at the Pacific Missile Test Center in Point Mugu, CA, and then became an Aerospace Physiologist in 1978 for the Office of Naval Research. He received the Navy Commendation Medal. He later worked for Boeing as a Senior Life Scientist/Aerospace Physiologist.

Dr. Reid was a member of the Aerospace Physiology Society, the Space Medicine Association, the Association of Military Surgeons of the United States, the SAFE Association, the American Association for the Advancement of Science, the U.S. Naval Institute, and the New York Academy of Sciences. He held the Chair of the AsMA Constitution and Bylaws Committee from 1985-1987 and chaired the life sciences portion of the 1989 and 1990 Intersociety Conference on Environmental Systems (ICES).

New Members

Anderson, Arian L., Denver, CO
Anderson, Christopher T., M.D., JBSA-Lackland, TX
Beck, Aron J., Dr., Fort Atkinson, WI
Chowdhury, Lynda, B.S., Galveston, TX
Crosby, Brianna, Dr., Perrysburg, OH
DeLeo, Heather, Port Orange, FL
Heravi, Mohammad Karim, Dr., Tehran, Iran
Fernandez Guardia, Jorge Diego, Dr., Buenos Aires, Argentina
Flynt, Frederick I., Maj., USAF, FS, San Antonio, TX
Friedman, Eric, Dr., Norfolk, VA
Garcia, Nicholas J., Capt., USAF, D.O., APO, AP
Gibson, Charles R., Dr., Webster, TX
Gordon, Barak, M.D., Shoham, Israel
Hall, Adrian, Dr., Woody Point, Queensland, Australia
Herman, John F., Daytona Beach, FL
Hook, Darci E., LT, USN, San Diego, CA
Jack, Carolyn H., SQN LDR, RAAF, Brisbane, Australia
Jones, Joseph, B.S., Flagstaff, AZ
Kilgore, William P., Capt., USAF, Fort Wainright, AK
Kimura, Mikhiko, Col., M.D., Ph.D., Sayama City, Saitama Prefecture, Japan
Krammer, Jacob, M.D., M.S., Boise, ID
Laffoon, Lea, Dr., Alexandria, VA
Marshall, Perry P., M.D., Tyler, TX
Marshall-Bowman, Karina, Cologne, Germany
Morones, David G., B.S., Banning, CA
Pomeranz, David, M.D., San Francisco, CA
Puwatanasan, Asawin, Dr., Melbourne, Victoria, Australia
Swaffield, Thomas P., Washington, DC
Violamaria, Frank J., CDR, Belmont, TX

Aerospace Physiology Board Certification Announcement

The Council of the Aerospace Medical Association (AsMA), acting upon recommendations of the Aerospace Physiology Certification Board, grants certification in aerospace physiology. Board certification in aerospace physiology was established by the Aerospace Medical Association to encourage the study, improve the practice, and elevate the standards of excellence in aerospace physiology.

Formal Board Certification provides an avenue for professional and peer recognition in aerospace medicine, and is a worthy goal for members to attain. This year's certification examination will be offered at the 87th Annual Scientific Meeting of the Aerospace Medical Association on Sunday, 24 April 2016, in Atlantic City, NJ. Board certification is for professionals with an abiding interest and demonstrated productivity in the field of aerospace physiology.

Applicants must possess, as a minimum, a baccalaureate degree either in physiology or a closely related science (including as a minimum at least 18 hours of biological sciences). A history of significant contributions to aerospace physiology is also required. Applicants should have 5 years of active professional experience in an aeromedical field. Exceptional applicants can request a waiver of any and all of the aforementioned eligibility requirements by submitting a letter to the Admissions Committee Chair. This letter shall specify experience, knowledge, education, or other facets which alleviate the need to meet eligibility requirements.

The 5-hour exam contains questions covering various areas relevant to aerospace physiology, including but not limited to general human physiol-

ogy, acceleration physiology, decompression physiology, impact, hypoxia, vibration and noise, operational aspects, space physiology, and spatial orientation.

Applications and letters of reference are due to the Admissions Committee no later than Sunday, 14 February 2016. Applicants should contact the Admissions Chair for an application form (available in English only). Applicants must also submit a suitable digital portrait photograph (5 × 7), a short professional biography of less than 300 words, two professional letters of recommendation submitted directly to the Board, and a one-time, non-refundable Application Fee of \$25 (U.S.). A non-refundable \$75 Examination Fee is due prior to the exam. In addition, a \$50 Certification Fee is payable prior to sitting for the examination that is refundable if not certified. Make checks payable to the Aerospace Physiology Certification Board. Applicants must submit documents to the Admissions Chair in a digital format: MSWord compatible for text documents and high-resolution JPEG for graphics/photos.

Applications (**Deadline: 14 February 2016**) for Aerospace Physiology Board Certification are available from the Admissions Committee Chairman:

NATHAN B. MAERTENS, Maj, USAF, BSC, CAsP
Aerospace & Operational Physiology Flight Commander
21st Aerospace Medicine Squadron
799 Vincent St
Peterson AFB, CO 80914
Email: nathan.maertens@us.af.mil
Comm: (719) 556-7653

NEWS OF CORPORATE MEMBERS

United's MileagePlus Voted Best Frequent-Flyer Program

Readers of *Global Traveler* voted United's MileagePlus loyalty program the Best Overall Frequent-Flyer Program in the world for 2015, marking the 12th consecutive year that MileagePlus has received the award. *Global Traveler* readers who participated in the 2015 GT Tested Reader Survey bestowed United with the honor, affirming MileagePlus' position as the industry's leading loyalty program. *Global Traveler* readers also selected United as the Best Trans-Pacific Airline and, for the second straight year, named MileagePlus the Best Frequent-Flyer Bonus Program.

—Please visit <http://newsroom.united.com/2015-12-30-United-Airlines-MileagePlus-Voted-Best-Frequent-Flyer-Program-For-Twelfth-Consecutive-Year-by-Global-Traveler> to read more about this.

ETC Unveils New Training Scenario for Schools

Environmental Tectonics Corporation's (ETC's) Simulation Division, located in Orlando, FL, has unveiled an active shooter scenario for the Advanced Disaster Management Simulator (ADMS). The new scenario is designed to prepare teachers, administrators, and first responders how to best prepare for and respond to these evolving threats. The scenario features a four story school with over 900 students, 26 classrooms, and 33 school administrators in addition to a cafeteria, gym, auditorium, and lunchroom. Users can be trained on a variety of objectives including lockdown procedures, testing crisis preparedness, and carrying out response training. Additional injects including multiple active shooters, explosive devices, and hazardous materials can be added to the scenario. The neighboring environment features multiple response staging areas, residential neighborhoods, and roadways that can be navigated.

—Please see <https://www.etcusa.com/etc-simulation-unveils-new-active-shooter-virtual-training-scenario-for-schools/> for more on this.

NIOSH Examines Safe Handling Practices for AD Administration

A new article from the National Institute for Occupational Safety and Health (NIOSH) looks at predictors of adherence to recommended safe handling practices for administration of antineoplastic drugs (ADs). This study analyzed survey responses from nurses employed by hospitals and found that training, familiarity with safe handling guidelines, and availability of engineering controls and personal protective equipment (PPE) were associated with better adherence to safe handling practices and fewer reported spills of ADs. The paper will be published in the March issue of the *Journal of Occupational and Environmental Hygiene* and is currently available as an e-pub. Results are derived from the 2011 Health and Safety Practices Survey of Healthcare Workers, the largest federally sponsored survey of U.S. healthcare workers that addresses safety and health practices around hazardous chemi-

cals. Previously, NIOSH reported on other findings from this survey which showed that safe handling guidelines are not always followed when handling ADs. The current paper examines associations between a number of factors and three outcomes reported by nurses: use of personal protective equipment (PPE), activities performed while wearing gloves previously used to administer antineoplastic drugs, and spills of antineoplastic drugs.

—Please visit <http://www.cdc.gov/niosh/updates/upd-12-09-15.html> to learn more about this.

AOPA Urges Comments on Proposed Temporary MOA

AOPA urged pilots to review and submit comments to the FAA by February 1 on an Air Force proposal to establish a temporary military operations area (MOA) near Lima, OH. The temporary Stinger MOA has been proposed by the 180th Fighter Wing of the Ohio Air National Guard, based in Toledo; it would be in effect from June 7 to August 6. The airspace would be used by the unit's F-16 fighters at altitudes from 6,000 feet msl up to but not including Flight Level 180 for practice of air combat maneuvering and urban close-air support. The temporary MOA would be in use Tuesdays through Saturdays during the effective period at times specified in the FAA's airspace study notice. Four hours advance notice would be provided by NOTAM prior to activation, the notice said. AOPA has concerns about the potential for general aviation IFR traffic facing delays in the area when the temporary MOA is in use.

—Please see <http://www.aopa.org/News-and-Video/All-News/2016/January/11/Comments-sought-on-proposed-Temporary-MOA-in-Ohio> to read more about this.

Air Canada Airlifts Syrian Refugees to Canada

With the arrival of flight AC1999 in early January from Amman, Jordan, at Toronto's Pearson International Airport, Air Canada completed the first of five flights to be operated on behalf of the Canadian Government that brought almost 1500 Syrian refugees to Canada. Air Canada's second flight left Amman on January 8 and was operated by the airline's Executive Vice President and Chief Operating Officer Klaus Goersch as Captain. Air Canada and Air Canada rouge provided five flights as part of the operations led by the International Organization for Migration in collaboration with Canadian authorities: two departed Amman on January 8 and 10, 2016, and three departed Amman on January 6, 9, and 11 with Air Canada rouge. All flights arrived at Toronto Pearson International Airport with the exception of the January 9th flight, which arrived at Montreal Trudeau International Airport.

—Please visit <http://aircanada.mediaroom.com/index.php?s=43&item=971> for more about this.

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Corporate News Bites

Mayo Clinic: The Mayo Clinic hosted a complimentary patient symposium in January that featured an internationally renowned group of speakers who provided comprehensive, patient-friendly information on the diagnosis and treatment of cancer, and provided attendees with information on many shared issues. Mayo Clinic specialists and doctors also talked about various treatments and lifestyle issues for people being treating for or recovering from cancer. *Please visit <http://newsnetwork.mayoclinic.org/discussion/mayo-clinic-to-host-living-with-cancer-symposium/> to find out more about this.*

Environics: Environics announced a new President in January. The new President is Dr. Rachel Stansel; Terrence Dunn, the Past President, will continue as Board Chairman. *To see more about this, please see <http://www.environics.com/news-events/presidenttransition>.*

Baxter: Baxter presented at the 36th Annual JP Morgan Healthcare Conference in January. A live webcast was available for access through the corporate website and will be available for replay until February 11. *To read more about this, please visit <http://www.baxter.com/news-media/newsroom/press-releases/2015/12-21-15-jpmorgan.page>.*

AMAS: Aviation Medicine Advisory Service's (AMAS's) President gave a presentation on laser hazards in aviation at the Textron Safety Standdown in Wichita, KS, in early January. *For more on this and other AMAS News, please see their news page at <https://www.aviation-medicine.com/amas-notams/latest-amas-news/>.*

ALPA: The Air Line Pilots Association, International (ALPA), applauded Canada's Minister of National Revenue for waiving reporting requirements for labor organizations for fiscal periods from December 31, 2015, and through 2016. These requirements are part of the Act to amend the Income Tax Act, which ALPA has long opposed. ALPA applauds this swift action to move forward with the repeal process. *Please visit <http://www.alpa.org/news-and-events/news-room/2015-12-24-canadian-labour-reporting-requirements> to see more about this.*

Read Current News Online!

The AsMA, Industry, & Member News pages are updated regularly. Check them out!

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Meetings Calendar

March 8, 2016; Annual Royal Aeronautical Society Aerospace Medicine Symposium: Infectious Diseases, Air and Space Travel; London, UK. This symposium will explore a variety of issues related to infectious diseases, including aeromedical evacuation, airline passengers, and space. Learn more at <http://www.aerosociety.com/Events/Event-List/2034/Aerospace-Medicine-Symposium-2016>.

March 15-17, 2016; Space2016: ICAO/UNOOSA Symposium 2016; Rosewood Hotel, Abu Dhabi, United Arab Emirates. Please visit <http://www.icao.int/Meetings/SPACE2016/Pages/default.aspx> for more information or to register.

September 26-30, 2016; the International Astronautical Federation's (IAF's) 67th International Astronautical Congress (IAC); Guadalajara, Mexico. The theme will be 'Making Space Accessible and Affordable to All Countries.' For more information, please visit <http://iac2016.org/>.

Upcoming FAA AME Seminars

<u>Dates</u>	<u>Location</u>	<u>Seminar Type</u>
Mar. 21-25, 2016	Oklahoma City, OK	Basic
April 25-29, 2016	Atlantic City, NJ	AsMA

For more, visit: http://www.faa.gov/other_visit/aviation_industry/designees_delegations/designee_types/ame/seminar_schedule/.

Future AsMA Annual Scientific Meetings

April 24-28, 2016: Harrah's Resort; Atlantic City, NJ

April 29-May 4, 2017: Sheraton Denver Downtown; Denver, CO

May 6-10, 2018; Hilton Anatole Hotel; Dallas, TX