



# Ever Upward: February 2020

## Proposed Bylaws Change

In accordance with Article XII of the Bylaws of the Aerospace Medical Association, the following proposed change to the Bylaws is printed herein. The change will be voted upon at the next Annual Business Meeting to be held Tuesday, May 19, 2020. The meeting is open and all members are encouraged to attend (no lunch purchase is necessary to participate in the meeting).

The omissions are listed as strikethroughs. The additions are italicized and underlined. A flowchart of the proposed change is included for clarification but will not be included in the Bylaws.

### ARTICLE III. MEMBERSHIP

#### SECTION 2. ~~Expulsion of Members and Appeal Review of Ethical Concerns.~~

~~A member may be expelled for cause or conduct which the Council deems contrary to the best interests of the Association. For any cause other than non payment of dues, expulsion may occur only after the member in question has been advised in writing of the complaint and been given an opportunity to respond. Such member shall be notified by the Executive Director and entitled to a hearing before the Executive Committee. The Executive Committee shall hear the case and provide a ruling. The Executive Committee shall have, but not be limited to, the following powers: dismissal of the complaint, censure, probation for a period not to exceed two years, suspension for a period not to exceed three years, or expulsion of a member, as the findings warrant. A two thirds vote of the full membership of the Executive Committee is required for any ruling. The aggrieved member shall have the right of appeal to the Council. A two thirds vote of the full membership of Council is required to modify or reverse the action of the Executive Committee. Failing to achieve modification or reversal from the Council, the action of the Executive Committee is confirmed. Action of the Council is final.~~

*A. Application: The Ethics Policy of the Association, as defined in the Policies and Procedures Manual, shall apply to all categories of Association members.*

#### *B. Ethical Concerns:*

- (1) An ethical concern should be resolved at the lowest level possible within the Association.*
- (2) Should the ethical concern not be resolved at lower levels, the concern may be elevated to the Executive Committee using the process delineated below.*
- (3) Ethical concerns addressed through this process shall be limited in scope to conduct deemed contrary to the best interests of the Association, to include the business and governance of the Association, the annual scientific meeting, and the Association's official journal. The Executive Committee shall determine if the concern is within the scope of this process.*
- (4) Any member may raise an ethical concern regarding another member who is believed to have violated the*

## Tredici Interviewed for Article

Thomas J. Tredici, M.D., Col., USAF(Ret.), Fellow and long-time member of AsMA, was interviewed for an article about



his life and work with the U.S. Air Force. Despite being 97, he still works on a volunteer basis at Brooks City-Base. He is very well known for his contributions to aerospace ophthalmology and has been active in the fields of clinical aerospace medicine, teaching, and research. Among his contributions: he was instrumental in establishing and implementing the U.S. Air

Force policy on glaucoma for aviators, became one of the nation's leading authorities on the use of contact lenses in aviation, discovered the principle reason for failure of stereopsis in aviators (niicrostrabismus) and devised an ocular prism test to facilitate the diagnosis, and developed criteria for visors to protect astronauts from ultraviolet energy during the exploration of the Moon.

Dr. Tredici has been an active member of AsMA since 1964, attending every meeting from 1966 to the early 2000s, and receiving his 50-year pin in 2014. He received AsMA's Theodore C. Lyster Award in 1979 and the Louis H. Bauer Founder's Award in 2000. AsMA has also named an award for him and his late wife, the Thomas J. and Margaret D. Tredici Award, given for "the most significant contribution to aerospace ophthalmology and vision science," which Dr. Tredici endowed and was first presented in 2013. To read the entire article, please visit <https://www.pressreader.com/usa/houston-chronicle/20191230/281492163234693>.

*Ethics Policy of the Association, to include the business and governance of the Association, the annual scientific meeting, and the Association's official journal. The Executive Committee shall determine if the concern is within the scope of this process.*

- (5) The Executive Committee shall initially review the written ethical concern to determine the validity of the concern and whether a formal investigation is warranted. The Executive Committee may dismiss the concern if it is deemed not valid or outside of the scope of this process.*
- (6) If the Executive Committee determines the ethical concern has validity and is within the scope of the process, the concern will be referred to the Ethics Body for investigation as described in the Policies and Procedures Manual.*

See 'Bylaws Change,' p. N6

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*(7) The respondent shall be advised in writing of any ethical concern regarding him or her and be provided an opportunity to respond to the Ethics Body and the Executive Committee.*

*(8) Once the investigation is complete, the Ethics Body shall provide a summary report of the investigation to the Executive Committee.*

*(9) For any ethical concern regarding a member of the Executive Committee, the Council will assume the role of the Executive Committee in this process.*

**C. Administrative Action:**

*(1) Upon receipt of the report from the Ethics Body, the Executive Committee shall determine the appropriate administrative action.*

*(2) The Executive Committee shall have, but not be limited to, the following powers: dismissal of the ethical concern, censure, probation for a period not to exceed two years, suspension for a period not to exceed three years, or expulsion of a member, as the findings warrant.*

*(3) A two-thirds vote of the full membership of the Executive Committee is required for any ruling.*

**D. Appeal Process:**

*(1) Proposed administrative actions may be appealed to the full Council and shall be submitted in writing to the Executive Director.*

*(2) Should an appeal be requested, no administrative action shall proceed until the appeal process is complete.*

*(3) A two-thirds vote of the full membership of Council is required to modify or reverse the action of the Executive Committee. Failing to achieve modification or reversal from the Council, the action of the Executive Committee is confirmed. Action of the Council is final.*

**Rationale:** While Article III Section 2 Expulsion of Member and Appeal describes the process for expulsion of a member for cause or conduct the Council deems contrary to the best interests of the Association, it does not delineate a means to investigate allegations against a member. The Executive Committee has received several ethical concerns in the last few years that required each President to determine how to investigate the allegations. This change creates a process for investigation using an Ethics Body with the responsibility to investigate allegations of unethical behavior by a member. More detail on the membership of the Ethics Body and the process will be described in the Policies and Procedures Manual.

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## Bimonthly Publishing Survey

It seems there is always a new project or new way to look at things on the horizon, like offering an open access option for *Aerospace Medicine and Human Performance* (AMHP), which began in September 2019 with the first articles published in December 2019. The latest is the idea of changing the frequency of the journal from monthly to bimonthly (every other month).

You may think that the reason for this is fiscal, but there are other equally important reasons to consider this. The first is quality. The editor has been concerned for some time about pressure to produce a certain number of pages each month. This has meant that some articles which may have been declined were instead sent for review. Not that any were bad papers, but perhaps the topic had been covered before or was of more limited appeal to our readership. Each manuscript takes time by the Editor and the Assistant to the Editor to facilitate the review process, the time of the reviewers who work very hard to offer suggestions on improving papers for publication, and then it takes the time of the editorial staff to prepare it for publication. In addition, accepting fewer papers might raise our impact factor which, while it is only one metric, does indicate how often AMHP articles are cited.

Rejecting or declining more manuscripts may result in a more selective journal—and even an increase in high-quality submissions. To put this in perspective, during the last year, the journal's acceptance rate for peer-reviewed articles was 56%; 23% of manuscripts were rejected and 21% were declined for review. Meanwhile, our Impact Factor is hovering around 0.9.

The second reason is logistics. It is a lot of effort to keep a monthly publication going. As the Managing Editor eases into retirement the transition will be smoother if we have fewer deadlines to meet. By offering online publishing ahead of print we would still publish in a timely manner. For some authors this might be even better than being printed in the monthly publication. In addition, the March meeting Program would become a supplement to the March/April journal, giving us a little more time to prepare the program for press.

The third reason is fiscal. With a proposed savings to the Association of about \$15,000 a year, this is certainly an idea worth considering. The savings would come from printing (paper and ink) slightly fewer pages overall and by mailing half the number of issues we currently mail.

One of our main concerns, and the real reason for this survey is: How would publishing bimonthly with online ahead of print affect manuscript submissions to our journal? How would reducing our frequency affect membership and member engagement in our association? For a certain slightly more 'mature' population, receiving a monthly journal is one of the ways we look forward to keeping involved in our organizations. Yes, we send emails all the time (too often?) and we have a monthly online newsletter, "Ever Upward" (which is awesome!), but it is so easy to ignore an email. We need to hear from you, our members, readers, authors, and reviewers. What are your opinions about changing the frequency of AMHP? Please take a moment to respond to this survey: <https://www.surveymonkey.com/r/KVF5X5R>.

## Blue Journal Remains in Top 100 for Downloads

Ingenta recently analyzed data for all the titles on Ingenta-Connect, and the Blue Journal ranked in the top 100 out of more than 11,000 titles for number of full-text downloads.

For the period November 1, 2019, to November 30, 2019:

- *Aerospace Medicine and Human Performance* ranked 9th with 2,701 downloads; and
- *Aviation, Space, and Environmental Medicine* ranked 15th with 2,232 downloads.

## New Members

AsMA welcomes 29 new members in February.

- Abdul, Eric; Savannah, GA, USA
- Anderson, Eric; Lemoore, CA, USA
- Basham, Lori; Lexington Park, MD, USA
- Chan, Edward Kai Kit; Hong Kong
- Charlesworth, Laurel; Ottawa, Ontario, Canada
- Conn, Wesley; Memphis, TN, USA
- Edwards, Mark; New Farm, Queensland, Australia
- Faraj, Merwan; Spartanburg, SC, USA
- Gray, Robert; APO, AP, USA
- Hanshaw, Brian; Eagle River, AK, USA
- Heft, Nicolas; Houston, TX, USA
- Hudak, Jason; Barboursville, WV, USA
- Iyer, Srihari; Bengaluru, Karnataka, India
- Khan, Ijaz; New South Wales, Australia
- Kieu, Vinh; Washington, DC, USA
- Lawson, Michael; Rockville, MD, USA
- N, Manu; Bengaluru, Karnataka, India
- Okunade, Gabriel Adekunle; Zaria, Kaduna State, Nigeria
- Puisa, Veronika; Hitchin, Hertfordshire, UK
- Rodway, Nancy; Solon, OH, USA
- Sagnieres, Luc; Paris, France
- Sharma, Drona; Dehradun, Uttarakhand, India
- Shaw, David; Auckland, New Zealand
- Stern, Evan; Providence, RI, USA
- Suri, Kadambari; Houston, TX, USA
- Swift, Jaron; Southfield, MI, USA
- Van Akin, Michael; Boulder, CO, USA
- Wagner, Thomas; New York, NY, USA
- Whitten, George; Naples, FL, USA

## MEETINGS CALENDAR

**March 5-7, 2020;** 5th Annual Singapore Aviation Safety Seminar; Singapore. Jointly organized by the Flight Safety Foundation and Singapore Aviation Academy. For more info, please visit <https://flightsafety.org/summit-seminar/5th-annual-singapore-aviation-safety-seminar/>.

**March 26-29, 2020;** FPA Dixie - Great Lakes Chapters 2020 Spring meeting; Space and Rocket Center, Huntsville, AL. For more information or to register, visit <https://www.fpadrs.org/event-3387420>.

**April 7-9, 2020;** FAA Colloquium: Arvind Chaturvedi Colloquium on Postmortem Forensic Toxicology in Aviation; FAA Mike Monroney Aeronautical Center, Oklahoma City, OK, USA. For more info, please visit <https://cami-colloquium.eventbrite.com/>.

## In Memoriam: Robert S. Kennedy

AsMA Headquarters staff were saddened to hear that Robert S. Kennedy, Ph.D., died in December. He was a Fellow of AsMA and had continued to review articles for the Blue



Journal after retirement. A native of New York, Dr. Kennedy earned a B.A. at Iona College in New Rochelle, NY, in 1957 and then an M.A. in Experimental Psychology at Fordham University in New York City in 1959. He was awarded a Ph.D., also in Experimental Psychology, from the University of Rochester, NY, in 1972.

Dr. Kennedy spent 22 years on active duty in the U.S. Navy, where, as a Research Psychologist, he began work developing batteries for sensory, cognitive, equilibrium, and information-processing tests for repeated measures applications. His studies in the Pensacola Slow Rotation Room, aimed at providing behavioral and physiological criteria for the use of artificial gravity in long-duration spaceflights, are generally viewed as classics in the field. His work on airsickness and seasickness with both normal and vestibular defective subjects laid the groundwork for the currently accepted view that persons with nonfunctional labyrinthine organs cannot become motion sick. His studies in the development of behavioral methods to quantify physiological and psychological stress in motion environments led to the development of many of the instruments currently used to assess motion sickness symptoms.

Throughout his Navy career, Dr. Kennedy continued to work in human factors, culminating in the position of Head of the Human Performance Sciences Department at the Naval Biodynamics Laboratory, New Orleans, LA. However, he continued his work under NASA, National Science Foundation, Navy, Air Force, and Army sponsorship. His later work encompassed individual differences in adaptation to rearranged perceptual worlds, which is relevant to space adaptation syndrome, simulator sickness, and virtual-reality systems. He also studied visual requirements for flight simulators and human factors in nuclear power plants.

Dr. Kennedy was also a Fellow of the American Psychological Association and the American Psychological Society. He was a member of the Aerospace Human Factors Association, the Human Factors Society, the Undersea and Hyperbaric Medical Society, and the SAFE Association. His honors included listings in *Who's Who in America*, *American Men in Science*, and *Leaders in American Science*. He also held the U.S. Navy Commendation Medal and was the recipient of AsMA's Raymond F. Longacre Award in 1993.

## Upcoming Calls for Papers

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>.

## NEWS OF CORPORATE MEMBERS

### AOPA Named One of the Top Lobbyists

Washington, DC-based *The Hill* has released its annual list of top lobbyists and the Aircraft Owners and Pilots Association (AOPA) is among the nation's top companies, labor unions, and associations. AOPA was named to the list for the sixth year in a row, which "highlights the broad range of talents needed to succeed in the influence industry." AOPA's small government affairs staff works on issues at the international, federal, state, and local levels. Maintaining relationships with members of Congress is also a large aspect of the advocacy efforts by AOPA's government affairs team. Additionally, AOPA's regulatory experts work every day to advance GA interests with federal agencies such as the FAA, the Transportation Security Administration, Customs and Border Protection, the NTSB, and others. AOPA previously made *The Hill*'s list of top Washington, DC, groups in 2014, 2015, 2016, 2017, and 2018.

—Please visit <https://www.aopa.org/news-and-media/all-news/2019/december/19/the-hill-names-aopa-among-top-lobbyists-of-2019> to read more about this.

### NIOSH Releases Video on Black Lung in Coal Miners

The National Institute for Occupational Safety and Health (NIOSH) released a video recently that demonstrates how black lung is no longer just a disease that strikes older coal miners. It is now occurring in younger miners and the video raises awareness of the personal costs of the disease and motivates workers to participate in free and confidential health screenings. Rates of black lung disease, or coal workers' pneumoconiosis (CWP), has more than doubled over the last 15 years. *Faces of Black Lung II – The Story Continues*, a follow-up to the first *Faces of Black Lung* video produced over 10 years ago, leads the viewer through a short history lesson on miner protections. It then transitions to the stories, in their own words, of three young miners who are experiencing the severity of the disease and are confined to their homes. The miners are in their 30s and 40s, much younger than the workers who appeared in the *Faces I* video, who were in their 50s. The *Faces II* video will be disseminated to coal miners upon request, coal mine operators, physicians, industrial hygienists, trainers, and others interested in the health of coal miners.

—Please see <https://www.cdc.gov/niosh/updates/upd-1-22-20.html> for more about this.

### KBR to Provide Video Services to DoD and Federal Law Enforcement

KBR announced it has been awarded a 3-year contract by the U.S. Army Installation Management Command (IMCOM) to provide video evidence management services for the Mobile Federal Law Enforcement Enterprise Technology Service (M-FLEETS) program. Under this firm-fixed-price contract, KBR will implement and operate a secure end-to-end service that includes dash cameras, digital video recorders, ruggedized computers, and mobile communications. The company will install these devices into military police vehicles and con-

nect them to the KBR Evidence Collection Archive & Retrieval Service (ECARS) cloud application. KBR's comprehensive service will be accredited as a FedRAMP High/DoD Impact Level 5 system. The company will provide all equipment, software, and support as a turnkey managed service for military police officers and supervisors. KBR has partnered with Panasonic to integrate both their commercial evidence collection and management products and services with Microsoft Azure Government Cloud and other platforms. KBR, together with these industry leaders, will deliver the first and most secure enterprise-scale video evidence collection and archival system available to the U.S. government and DoD law enforcement organizations.

—Please visit <https://www.kbr.com/en/insights-events/press-release/kbr-deliver-first-and-most-secure-enterprise-scale-video-evidence> to read more on this.

### Mayo Clinic Finds Virtual Reality Helps Patients

Mayo Clinic has found that the mobile gaming station, Hyperspace Starcade, provides a nice break from reality for kids at Mayo Eugenio Children's Center. When Chuck and Nicole Marino launched a mobile entertainment business last winter, the concept was simple: To make kids (and parents) happy by bringing a high-tech, mobile gaming station right to the curbs and driveways of anyone looking to have a little fun without any of the stress or mess that comes with organizing such things themselves. Hyperspace Starcade is an arcade on wheels that can be set up in or outdoors. They did so one day this past December, setting up inside Mayo Eugenio Children's Center in Rochester. The Marinos thought a little

See 'Corporate News', p. N9

### Corporate News Bites

**UTMB:** Five of the University of Texas Medical Branch's (UTMB's) residents have been chosen by Osler Student Scholars in the John P. McGovern Academy of Oslerian Medicine to receive Thayer Awards for Excellence in Teaching awards. Two are from Internal Medicine. For more, please see <https://www.utmb.edu/internalmedicine/news-events/news-article/2020/01/13/congratulations-to-drs-chatila-rossito>.

**ALPA:** The Airline Pilots Association, Int'l's (ALPA's), United Master Executive Council reelected Capt. Todd Insler by acclamation for an historic third consecutive term as chairman. Capt. Insler will also retain his seat on the board of directors of United's parent company, United Airlines Holdings, Inc. Please visit <https://www.alpa.org/news-and-events/news-room/2020-01-14-united-reelects-mec> for more on this.

**Martin-Baker:** Martin-Baker has just completed the 600<sup>th</sup> US16E ejection seat for the F-35 program. This seat is part of the Lockheed Martin LRIP XII contract destined for F-35A aircraft AF-244 being assembled in Fort Worth. By the end of 2020 Martin-Baker will have manufactured and delivered a further 180 US16E seats for the F-35 program. For more, please see <https://martin-baker.com/2020/01/15/martin-baker-completes-600th-f-35-ejection-seat/>.

From 'Corporate News,' p. N8

virtual reality might provide kids with a nice break from the reality of hospital life and offered to donate a day of play. Two virtual reality driving stations were brought in and could be played with or without virtual reality goggles. The event was a great success.

—Please see <https://intheloop.mayoclinic.org/2020/01/09/virtual-reality-gaming-helps-patients-step-out-of-their-own-realities/> to see the photo and read more about this.

### Serco Sponsors Navy One in Yacht Race

Continuing to foster strong ties with the Royal Australian Navy, Serco is a joint sponsor of Navy One, the Beneteau First 40, competing in the 75th edition of the Rolex Sydney Hobart Yacht Race. This is this first Navy entry in the Sydney Hobart race in 18 years and the crew aim to be the first Armed Forces yacht to reach Hobart (on corrected time) to win the Oggin Cup. Fleet Commander Rear Admiral Jonathan Mead RAN officially launched Navy One and its crew in December at the Cruising Yacht Club of Australia, the home of the Rolex Sydney Hobart. Fleet Marine Services Contract Director Mark Shannon was presented with an official crew uniform, which Serco has sponsored. Serco Defence Managing Director Clint Thomas, AM, CSC, said the team is

thrilled to sponsor Navy One and be part of this iconic Australian sporting event.

—Please visit <https://www.serco.com/aspac/news/media-releases/2019/serco-sponsors-navy-one-competing-in-iconic-75th-rolex-sydney-hobart-yacht-race> for more on this.

### SAA Sells Aircraft to Accommodate New Fleet

South African Airways (SAA) has put some of its aircraft up for sale to accommodate the new Airbus A350-900s the airline recently added to its fleet. In a tender on the airline's website, SAA said it was selling 9 wide-body aircraft—5 Airbus A340-300s and 4 Airbus A340-600s—and 15 spare engines and 4 Auxiliary Power Units, a device used to provide energy. With the new A350s starting operations on SAA's international route network in late January, replacing the A340s became possible. The national carrier advertised the sale of the nine aircraft on 10 January. The closing date for the tender was 30 January at 11:00 AM SA time. The aircraft that were on sale previously operated on regional and international routes, which will now be flown by the A330s and A350-900s.

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

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#### 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

#### FAA AME Seminars

March 23–27, 2020	Oklahoma City, OK	Basic
May 18-21, 2020	Atlanta, GA	AsMA
June 22-26, 2020	Oklahoma City, OK	Basic
Aug. 7-9, 2020	Washington, DC	Refresher
Sept. (TBA)	Denver, CO	Refresher

Please check the [FAA website](http://www.faa.gov) for more information. **PLEASE NOTE:** The only FAA seminar AsMA takes registrations for is the one held in conjunction with our annual meeting in May.