

# AEROSPACE MEDICAL ASSOCIATION FOUNDATION NEWSLETTER

Volume 13 / Fall 2020

## AEROSPACE MEDICAL ASSOCIATION FOUNDATION BOARD

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## YOUR FOUNDATION AD ASTRA

Greetings from the Chair and welcome to the AsMA Foundation's fall newsletter. In a world turned upside-down by the COVID-19 pandemic, it's important to emphasize that YOUR Foundation is here and still promoting the field of aerospace medicine. The Board of Directors laments the loss of our cancelled 2020 AsMA scientific meeting, along with all of you who planned to attend or present papers. While the fellowship and learning opportunities of the annual meeting can't be replaced by email or Zoom, I hope this update on the Foundation's activities helps us all look past the current turmoil. There is much going on, much of it unique to 2020, so please read on!

Despite the financial market volatility of early 2020, I am very happy to report that the Foundation's assets have crossed the \$500,000 mark. As noted later in the newsletter, this year's Foundation sponsored awards continued despite postponing an in-person presentation to the honorees until next year. The Board recently met and have devised a plan to adjust the prestigious Fellows award, which requires presentation at the annual meeting and publication in AMHP. We will be able to award up to four Fellows awards in 2021.

The Foundation also plans to fund up to two Continuing Education Webinars before the end of 2020. This will enable AsMA to provide CME to all physicians and others who missed out this year on the training hours required to maintain licensure.

The Foundation will also support the publication of several important forthcoming papers in the blue journal by funding the printing of their associated and expensive graphics. This is the type of support of the aerospace research community that the Foundation would like to expand. We can do more with YOUR help. Please consider donating to the Foundation a portion of the money you didn't spend this year on vacation, rubber chicken lunches at conventions, and restaurants. It will be put to good use.

**David K. Broadwell, M.D., Chair**



## **FOLEY FUND REACHES ENDOWED STATUS AND PLANNING BEGINS FOR THE FIRST ANNUAL MARY F. FOLEY LEADERSHIP EVENT ON WOMEN PIONEERS IN AVIATION AND AEROSPACE MEDICINE**

AsMA Foundation is thrilled to announce that the Mary F. “Bunny” Foley Fund has reached the threshold for endowed status and proceeds from the endowment will now be used to support the annual “Mary F. Foley Event on Women Pioneers in Aviation and Aerospace Medicine.” The inaugural event will feature “Lessons in Leadership.” Mary, who died on April 20, 2019 at the age of 90, had a passion for encouraging aerospace medicine, aerospace nursing, and the participation of women in aviation medicine. Mary’s many contributions to the field of aerospace medicine led her family, colleagues, friends and the Aerospace Nursing and Allied Health Professionals Society (ANAHPS) to contribute to this important Fund. The ANAHPS and Dr. Marian Sides from the Foundation are currently planning the first event in Reno, NV that will be supported by proceeds from the Foley Endowment. The event may be a symposium, workshop or lecture, and the final format will be submitted to the scientific program committee for acceptance. The event will benefit AsMA membership and will represent the diversity of Mary’s participation and contributions to many aspects of aviation medicine. The event will provide a unique and stimulating component to the annual scientific meeting and will add an invaluable opportunity for personal leadership development for AsMA’s membership. Since annual proceeds from the fund are limited to 4-5 percent of the fund’s corpus balance, additional investments to assist and recognize women in aerospace medicine and facilitate leadership development would be appreciated. Anyone who would like to support this activity can designate gifts to the Foundation for this new endowed program honoring Ms. Foley.

## **ASMA FOUNDATION ANNOUNCES ADDITIONAL SUPPORT FOR THE AEROSPACE MEDICAL ASSOCIATION**

The current global pandemic and cancellation of the annual scientific meeting and also loss of the ICAM meeting has affected all of the aerospace medicine community and reduced financial margins for the Association. At its fall board of directors meeting, the AsMA Foundation examined multiple ways to assist the Association and provide worthwhile services for AsMA members. The Foundation approved support for three important Aerospace Medicine Systematic Review papers. “Systematic reviews have increasingly replaced traditional narrative reviews and expert commentaries as a way of summarizing research evidence. “ (<http://www.bandolier.org.uk/painres/download/whatis/Systematic-review.pdf>) These three Systematic Review manuscripts represent the first of several Systematic Reviews of Aerospace Medicine topics and are designed to provide transparent and high-quality aerospace medicine reviews that will inform future Aerospace Medicine guidelines and identify research gaps. The Foundation will cover the publication cost of extensive tables, graphics, and images.



### Impact of COVID-19 on Aviation and Space Operations December 2, 2020

- [Welcome and Opening Comments](#) – Dr. Hernando J. Ortega, Jr. (AsMA President 2019-2020)
- [Impact of COVID-19 on Aviation and Space Operations Overview](#) – Dr. Kris Belland (AsMA Representative to CAPSCA)
- [Protection During the Journey – Health Corridors](#) – Dr. Johanna Jordaan (ICAO Chief of Aviation Medical Section)
- [In-Flight Transmission](#) – Dr. David Powell (IATA Medical Advisor)
- [Testing Epidemiology](#) – Dr. Susan Northrup (FAA Regional Flight Surgeon)
- [Risks to Airline Staff](#) – Dr. Rui Pombal (TAP Portugal Medical Director)
- [Impact on Space Operations](#) – Dr. Serena Aunon-Chancellor (NASA Astronaut)
- [COVID-19 Vaccines](#) – Dr. Ian Hosegood (Qantas Director of Medical Services)
- [Closing Comments and Thank You](#) – Dr. Charles DeJohn (AsMA President 2020-2021)

In addition, the Foundation is teaming with the Association to hopefully support online CME activities later this year so that physicians and nurses can obtain CME and CEU credits to help with state licensure. The content of this educational event will also be of value to all the AsMA membership, even if CME or CEU credit is not required. The Association staff is working to develop these online offerings now.

Be sure to watch for announcements about the online activities on the AsMA website ([www.asma.org](http://www.asma.org)) and via AsMA blast e-mails. The Foundation thanks all the generous donors who have made this type of support for the Association and Aerospace Medicine possible.

### **FELLOWS MAY AWARD UP TO FOUR SCHOLARSHIPS IN 2021**

Due to the cancellation of the AsMA meeting in Atlanta as a result of the COVID-19 pandemic, the 2020 AsMA Fellows Scholarship candidates were unable to deliver their presentations, which is an eligibility requirement. However, two of the candidates submitted their manuscripts and were approved for publication in the AMHP journal (second eligibility requirement). Therefore, these two candidates will be considered eligible for the 2020 scholarship (\$2,000 1<sup>st</sup> prize and \$1,000 2<sup>nd</sup> prize), but they will have to submit and deliver the same presentation during the 2021 scientific meeting in Reno, NV, to be evaluated by the AsMA Fellows scholarship committee. In addition, the 2021 AsMA Fellows Scholarship process will proceed as normally planned. This means that next year there will possibly be 2 recipients of the 2020 scholarship and two recipients of the 2021 scholarship. The scholarships are funded through generous contributions to the Foundation. Scholarship recipients are selected based on the highest scientific value, originality, quality and relevance of the applicant's presentation and AMHP manuscript related to the field of aerospace medicine (including allied scientific disciplines). The scholarship committee gives special consideration to applicants who are at an early stage in their career development. The scholarship monetary awards are used for the purpose of underwriting, in whole or in part, the cost of registration fees, transportation, hotel accommodations, or any other valid fees or expenses incurred by the winners in relation to their attendance at one or more scholarly meetings on topics related to aerospace medicine.

### **2021 RICHARD “DICK” TRUMBO 5K PREVENTIVE MEDICINE FUN RUN/WALK ON MONDAY, MAY 24, 2021 IN RENO, NEVADA: HISTORY IN THE MAKING**

Plans are underway for the Richard “Dick” Trumbo 5K Preventive Medicine Fun Run scheduled for Monday, May 24, 2021 in Reno, Nevada. This year's Trumbo 5K will use the Virginia Lake Loop, a

one-mile path surrounding Virginia Lake in Reno, Nevada. The Virginia Lake Loop is a short walking distance from the Peppermill Resort. The 2021 Trumbo 5K event will begin at 6:00 AM.



History will be made during the 2021 Richard “Dick” Trumbo 5K Preventive Medicine Fun Run. The very first AsMA 5k Fun Run was organized by the AsMA Deputy Executive Director, Dick Trumbo, in 2001 and was conducted in Reno, Nevada! The 2021 Trumbo 5K event will occur 20 years after Dick Trumbo organized the first AsMA 5K Fun Run and it will be conducted in the same city of Reno, Nevada.

We are hoping an effective and widely available COVID-19 vaccine will be ready by early 2021. We are also hoping most restrictions for large in-person gatherings will be lifted by May 24, 2021. We look forward to getting the “AsMA family” back together for a large in-person celebration in Reno, Nevada. We hope you will be able to attend the AsMA 91<sup>st</sup> Annual Scientific Meeting and we also hope many of you will choose to celebrate the 20<sup>th</sup> anniversary of the AsMA 5K Fun Run by joining us for the Richard “Dick” Trumbo 5K Preventive Medicine Fun Run/Walk in Reno, Nevada.

## **WINNERS ANNOUNCED FOR THE 2020 AWARDS SPONSORED BY ASMA FOUNDATION ENDOWED FUNDS**

### **THOMAS J. AND MARGARET D. TREDICI AWARD - DOUGLAS IVAN, M.D.**



Douglas Ivan, M.D., FAsMA, FRAeS, is the 2020 recipient of the Thomas J. and Margaret D. Tredici Award. He received the award for his 40+ years of devotion to aerospace ophthalmology. His impact on ophthalmology standards, research, and education is unparalleled. It was through Dr. Ivan’s efforts that U.S. Air Force (USAF) aviators were allowed to wear contact lenses in flight, fly after corneal refractive surgery, fly with numerous previously disqualifying vision issues and ophthalmic medications, and able to get state-of-the-art vision therapies. He is responsible for many of the advances in aviation ophthalmology standards and vision assistance devices used throughout the world today. Programs he initiated include the USAF Operational Based Vision Assessment Program, USAF Soft contact lens

program, the USAF Research Optical Fabrication Laboratory, the USAF Photorefractive Keratectomy study, the LASIK Altitude study, and the Simulated Night Vision Goggle test. This award is supported by the Foundation through the Thomas J and Margaret D. Tredici Endowed Fund in Aerospace Ophthalmology.

### **WALTER AND SYLVIA GOLDENRATH AWARD - COL. BRIAN MUSSELMAN, USAF**



Brian Musselman, CAsP, FAsMA, received the 2020 Walter and Sylvia Goldenrath Award for his recognized expertise in aerospace physiology. He led U-2 full pressure suit operations, investigated Class A mishaps, and developed a physiological event checklist. He also directed physiology, spatial disorientation, and fatigue research, and commissioned two U.S. Air Force School of Aerospace Medicine research projects to analyze U-2 pilot fatigue and rapid decompression risks. Additionally, he analyzed the physiological effects of oxygen consumption and toxicity under the new cockpit pressure. He implemented hypoxia training at two bases, ensuring training capability for 2500 aircrew. He has made a positive impact on every aspect of aerospace physiology. This award is supported by the Walter and Sylvia Goldenrath Endowed Fund.

### **IMPORTANT TAX REMINDER FOR THOSE OVER 70.5 YEARS OF AGE**

Qualified Charitable Distributions (QCD) of up to \$100,000 (\$200,000 with a spouse) given directly to a charitable organization from an IRA are allowed beginning at age 70 ½ and do not generate taxable income or a tax deduction. For that reason, there can be tax benefits even if you do not itemize your deductions. Using a QCD allows employment of the current generous standard deduction plus the ability to donate to a charitable organization like the Foundation without increasing taxable income. QCDs also count toward all or part of the required minimum distribution. It is prudent to talk to your CPA or tax advisor to determine how this opportunity affects your personal retirement strategy.

### **SUPPORTING THE ASMA FOUNDATION**

The AsMA Foundation supports Aerospace Medicine, the allied fields, and the Association through providing scholarships, awards, research grants, scientific publications, professional development, educational opportunities, and other activities. This is an unusual year with the cancellation of the annual scientific meeting that is an important event for the specialty and also a significant source of income for the Association. While the Foundation's unencumbered funds are limited, there has been considerable effort to find specific activities and projects that the Foundation can support for the association at this critical time. Please consider donating at this time to help us accomplish this goal and continue our ongoing programs. However, it is also possible to designate Foundation gifts to existing Foundation endowed funds or constituent organization funds held in the by the Foundation in its pooled investment fund. These funds include:

## **Fund Name**

Stanley R. Mohler Fund  
Walter and Sylvia Goldenrath Fund  
Thomas and Margaret Tredici Fund  
Richard B (Dick) Trumbo Fund  
Mary Foley Fund  
Anita Mantri Fund  
Society of NASA Flight Surgeons Fund  
Space Medicine Association Fund  
ANAHPS Louis Marshall Fund  
ASAMS

## **Fund Supports**

Scholarships  
Aerospace Physiology  
Aerospace Ophthalmology  
Trumbo Preventive Medicine Activity  
Leadership Events for Women in Aerospace  
AMSRO Mantri Travel Scholarship  
Scholarships and Awards  
Scholarships and Awards  
Scholarships, Research, and Training in ASN  
Scholarships, Research, Education, Travel

It is now possible to donate cash gifts through the Foundation's website noted below. Gifts may also include the donation of securities, bequests, life insurance, savings bonds, retirement plan assets, or real estate. Many of these methods can limit tax liability, but it is prudent to consult a tax advisor. Donating securities directly to the Foundation is easy and requires no more than emailing the Board Secretary/Treasurer for simple transfer instructions ([eabopp@comcast.net](mailto:eabopp@comcast.net)). If you prefer, you can call Jeff Sventek of the AsMA HQ office at 703-739-2240 ext 105. For more Foundation information, visit the Foundation website at: <https://asmafoundation.org>

## **CONTACTING THE FOUNDATION**

**AsMA FOUNDATION**  
**320 S. HENRY ST.**  
**ALEXANDRIA, VA 22314**

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**I don't know what your destiny will be, but one thing I know: the only ones among you who will be really happy are those who have sought and found how to serve. *Albert Schweitzer***

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## Thank You for Supporting the AsMA Foundation

Donation Amount: \_\_\_\_\_

Purpose of donation? \_\_\_\_\_

Name: \_\_\_\_\_

Payment:

My check payable to the AsMA Foundation is enclosed

Address: \_\_\_\_\_

Please Charge my credit/debit card

Card Number \_\_\_\_\_

Exp Date \_\_\_\_\_

Name on Card \_\_\_\_\_

CVC Code (3 numbers on back) \_\_\_\_\_

Mail to: AsMA Foundation

Signature: \_\_\_\_\_

320 South Henry St.

Alexandria, VA 22314