

AEROSPACE MEDICAL ASSOCIATION FOUNDATION NEWSLETTER

Volume 20 / Spring 2024

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Notes from the Chair

It's been a hell of a ride, but it's time to give up the stick and let another board chair pilot this wonderful Aerospace Medical Association Foundation. With your help, the Foundation has gone from a Wright Flyer to an F-18 in a few short years. And the best is yet to come—we're headed to orbit with our *Need for Speed* campaign to reach \$5 Million by 2029. It's my last column, but with your continued support, the next chair, who will be elected at our Chicago Board meeting, will take the Foundation to further heights.

I am happy that my final newsletter announcement is a big one. The Foundation has recently received a pledge from Jim and Sandy Vanderploeg to match the next \$25,000 in donations dollar-for-dollar (see below)! The Board is very grateful for this generosity, and we know it will continue to ramp up the excitement about *The Need for Speed*. There is no better time than now to donate and double your impact. In addition, Dr. Jeffrey Davis and Kathryn Holland have generously created a new endowment to support a scholarship through the Space Medicine Association.

The re-vamped asmafoundation.org website introduced last year has been very welcome by all, and on-line donation by credit card, PayPal or bank transfer is now easy and secure with our new software. You can designate a Fund, donate as a tribute to someone, and set up a monthly recurrent donation to suit your budget. Check it out! And you can donate at the AsMA annual meeting registration.

As I sign off as your chair, please continue to support *your* Foundation as it helps the next generation of aerospace med professionals get *ad aspera*. Over and out, DKB.

David K. Broadwell, Chair, AsMA Foundation



JIM AND SANDY VANDERPLOEG ESTABLISH \$25,000 MATCHING FUND TO JUMP START THE ‘NEED FOR SPEED’ CAMPAIGN

Jim and Sandy Vanderploeg have coordinated with the AsMA Foundation to provide \$25,000 in matching funds for new donations. Jim and Sandy have been long term leaders and supporters in aerospace medicine and Jim has served on the Foundation Board of Directors and as AsMA President and Sandy has served as President of the Wing. Jim and Sandy have said, “The Foundation is a very important component of the future of Aerospace Medicine. It has carried out valuable functions of receiving, holding, investing, and disbursing the funds of individuals and constituent organizations. Foundation funds have largely been used for scholarships awarded to deserving individuals. The ‘Need for Speed’ program is an ambitious expansion seeking to raise \$5M by the 100th anniversary of the Aerospace Medical Association in 2029. This increase in Foundation assets will enable much needed funding to educational programs, institutions, and research projects at the next level of support.”

The Jim and Sandy Vanderploeg Donation Match commitment is established to kick-start this next giving level. Donations to the Foundation’s unrestricted funds and to the various individual restricted funds will be matched up to a total of \$25,000 in this initial campaign. In all cases, the match donation will be directed into the unrestricted funds of the Foundation to be used as the Foundation Board sees fit to expand the Foundation’s impact in the short and long term. “Our goal is not to take away from the importance of existing individual scholarships, but to expand the impact of the Foundation to the next level of support for the future of Aerospace Medicine.”

Many thanks to Jim and Sandy for this commitment. Please consider donating to the Foundation at this time so that your donation will have double the usual impact.

THE ASMA FOUNDATION THANKS THE 2023 DONORS

The Foundation supports AsMA with scholarships, awards and educational/research opportunities in aerospace medicine and its allied fields through the generosity of members and friends of AsMA with the goal of reaching \$5,000,000 by AsMA’s 100th anniversary in 2029. In 2023, ninety-one individual donors supported the Foundation and contributed \$67,000 to constituent organization endowed funds, named endowed funds, and unrestricted use. One name was added to the Foundation Heritage Society. We wish to thank the following individuals for helping the Foundation support the Association, aerospace medicine and the allied fields in 2023. The mission of the Foundation could not be possible without your generous support. The Foundation appreciates gifts of any amount, but we will specifically recognize donors through AsMA Foundation Orbit donor categories unless they prefer anonymity. *This year we transitioned the individual donor tracking system from a manual to a digital system. While we made every effort to include each donor, if your name was inadvertently omitted from the lists or you are listed incorrectly, please let us know.*

Dragon Donors (10,000+)

Mark R Campbell
Richard Jennings
Kenneth Jeffrey Myers

Saturn V (5,000+)

Titan (2,500+)

Kris M Belland
Allen J Parmet

Atlas (1,000+)

Pamela Durham-Belland
Eugenia A Bopp
Jim Foley
Susan Fondy
Kathryn G Hughes
Frances Laue
David K McKenas
Annette L Sobel
George P Taylor
Peggy Trumbo

Redstone (500+)

David K Broadwell
Robert Duncan
Amanda F Lippert
Shuba Mantri
James M Vanderploeg

X-15 (100+)

Melchor J Antunano
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Michael A Berry
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 Jeffrey R Davis
 Charles A DeJohn
 William R Ercoline
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 Hernando J Ortega
 Carol S Ramsey
 David J Schroeder
 Warren S Silberman
 Tesfaye Tetemke
 Monty Thompson
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 Dave Ward

Other Foundation Donors

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 Muraya Alshahrani
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 Ian Wilson

HERITAGE SOCIETY MEMBERS

The Society Heritage Society honors colleagues and friends who make a commitment to the Foundation by will, revocable living trust, life insurance, life-income gift, retirement account designation or a deferred gift arrangement. We hope to consider Charitable Gift Annuities in the future. Qualifying commitments may be of any amount and may be directed to support existing programs and endowments, qualified new programs of the donor's choice, or may be undesignated. If others meet these criteria, please notify Dr. Broadwell or any of the Board members.

Charles Billings* Genie Bopp David K. Broadwell Jeffrey R. Davis Walter and Sylvia Goldenrath*
 Richard Jennings Al Parmet Quay Snyder Jim and Sandy Vanderploeg

**deceased*

FOUNDATION TREASURERS REPORT FOR YEAR ENDING 2023

The AsMA Foundation continues stewardship of funds for the benefit of the association and the field of aerospace Medicine. Foundation activities include investment of numerous endowed funds, the Fellows and other scholarships, and for the scholarships, grants and awards given by the association and multiple AsMA constituent organizations. Assets on December 31 included \$67, 249 in 2023 donations and totaled \$657,175 at year end. Continued contributions from donors throughout the year as well as during AsMA meeting registration help to secure the future funding of scholarships, awards, research opportunities, and support for some AsMA activities. Donations through registration for 2023 totaled \$2,900 and many thanks go to AsMA for making this convenience possible.

AsMA Foundation total assets as of March 15, 2024 are \$798,297. As money accrues in the bank account the Foundation has been transferring money to the investment account, the most recent transfer was \$35,000 made in in March 2024.

The total balance in the investment account includes assets held for affiliated and constituent organizations and for specific endowed funds. There are now 17 individual funds within the Foundation in addition to the unrestricted fund that supports the Fellows awards and many other activities.

Kathy Hughes, MD, MPH, Treasurer

AWARD DISTRIBUTIONS

Scholarships, awards, and grants in 2023 totaled \$13,750.

Scholarship/Award	Awardee	Amount
Fellows Award, First Place	Joseph Britton	\$2000
Fellows Award, Second	Brian Hanshaw	\$1000
AMSRO Trailblazer Scholarship (Funded in 2023 by unrestricted and Belland funds)	Anaelle Ndowe	\$1250
American Society of Aerospace Medicine Specialists (ASAMS)		
Charles Berry Scholarship	Not Awarded	
ANAHPS Louise Marshall Scholarship	Not Awarded	
Walter and Sylvia Goldenrath Award	Daniel Roberts	\$2500
Soc of NASA Flight Surgeons Scholarship	Karen Ong	\$250
Anita Mantri Memorial Travel Scholarship (Supported in 2023 by the Mantri and Belland funds)	Samuel Stephenson	\$1000
Stanley Mohler Scholarship	Cyril Mani	\$750
Space Medicine Association (SMA) KBR scholarship	Craig Kutz	\$500
SMA Undergraduate Dervay Scholarship	Victoria Tucci	\$750
SMA Davis Scholarship	Sophie Lavasseur	\$500
SMA John B. Charles Scholarship	Sophie Lavasseur	\$500
SMA International Award	Bader Shirah	\$750
SMA Young Investigator Award (Supported by Jeff Myers fund)	Brian Hanshaw	\$1000
Space Surgery Assoc Future Researcher Award	Riley Ferguson	\$1000
Tredici Award	Not Awarded	

ASMA FOUNDATION ENDOWED FUNDS CONTINUE GROWTH

2023 was an outstanding year for the Foundation and also for the endowed funds managed by the Foundation. Each of these funds have guidelines specific to the fund that determine the scholarships, awards, grants, or general purposes for fund use. Tufton Capital provides independent, professional management of the investment portfolio for the Foundation's assets to limit volatility, provide annual distributions, and insure a sound basis for the future of the Foundation. The funds managed by Tufton Capital returned 8.1% in 2023. The end of 2023 and the beginning of 2024 have shown robust growth that benefitted from market strength. The Foundation's asset allocation remains conservative to assure retention of capital with adequate annual income to assure scholarship and award distributions in varying market conditions. With the addition of the Jeffrey Davis and Kathryn Holland Endowed Fund (see story below), there are now 17 total endowed funds. Foundation endowed funds are listed below.

Stanley R. Mohler Fund
Space Medicine Association Fund

Society of NASA Flight Surgeons Fund
Walter & Sylvia Goldenrath Fund

Jeffrey Myers Young Investigator Fund
Thomas J. & Margaret D. Tredici Fund
Kris M. Belland Fund
ANAHPS Louise Marshall Fund
Richard B. and Peggy Trumbo Fund
Richard and Issy Jennings Fund
Anita Mantri Memorial Fund

American Society of Aerospace Med Specialists Fund
Mary F. Foley Fund
Mark and Betsy Campbell Fund
John B. Charles Scholarship Fund
Philip J. Scarpa Fund
Jeffrey Davis and Kathryn Holland Fund

2023 ASMA FELLOWS SCHOLARSHIPS WINNERS ANNOUNCED

The AsMA Fellows Scholarship Committee is pleased to announce the 2023 scholarship winners.



Dr. Joseph K. Britton

The 1st Place Winner was Dr. Joseph Keith Britton for his presentation and published manuscript on "Initial Investigation of a Grating Stimulus as a Visual Endpoint for Human Centrifuge Research."

The 2nd Place Winner was Dr. Brian Charles Hanshaw for his presentation and manuscript on "Spaceflight Recovery Considerations for Acute Inhalational Exposure to Hydrazines." Both will be honored at the Fellows dinner in Chicago.



Dr. Brian C. Hanshaw

The AsMA Fellows Scholarship is funded by the AsMA Foundation through generous donations provided by AsMA Fellows. The scholarships are presented annually to two AsMA members who are students in an aerospace medicine residency program, graduate program in aerospace medicine (Master or Ph.D.), medical certificate or aerospace diploma course, or in a full-time education/training program in the allied fields of nursing, physiology, human factors, psychology, ergonomics, and engineering. Selection criteria include delivering a slide or poster presentation as a first author at the AsMA Annual Scientific Meeting and then submitting a manuscript as first author for publication in AsMA's Aerospace Medicine & Human Performance (AMHP) Journal based on the same topic and/or material covered in the slide or poster presentation. The 1st and 2nd Place Winners are selected by the AsMA Fellows Scholarship Committee 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). Special consideration is given to those 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.

Eleven candidates delivered presentations at the 2023 AsMA meeting in New Orleans (first eligibility requirement). Six candidates submitted manuscripts that were approved for publication in the AMHP journal (second eligibility requirement). These six candidates were considered the final eligible candidates for the 2023 scholarship.

Candidates interested in the 2024 Fellows Awards have until April 30th to submit their manuscripts for publication in addition to their presentation on the same topic at the annual scientific meeting in Chicago.

*Melchor Antunano, M.D., M.S., FAsMA, FAsHFA,
Chair, AsMA Fellows Scholarship Committee*

JEFFREY R. DAVIS AND KATHRYN A. HOLLAND CREATE A NEW ENDOWED SCHOLARSHIP FUND

Former Aerospace Medical Association (AsMA) President, Jeffrey R. Davis and Kathryn A. Holland have generously funded a new endowment to support aerospace medicine. The Jeffrey R. Davis and Kathryn A. Holland endowed fund was established in January of 2024 to support a scholarship in the Space Medicine Association (SMA) to further student's interest in Space Medicine and AsMA. The scholarship will be awarded annually from the endowed funds and is named the Space Medicine Association Jeffrey R. Davis Medical and Graduate Education Endowed Scholarship. To be considered for the scholarship, applicants must be students in medical or graduate school who have demonstrated academic achievement and shown an interest in Space Biology and Space Medical Operations (e.g., biomedical engineering, space flight physiology, pharmacy, human factors research, nursing, psychology, safety, life sciences, etc.). "Through this scholarship, we hope to encourage and promote the field of space medicine for students in many different disciplines. It was an honor for us to establish this fund to provide opportunities for students to pursue this exciting field and to develop future practitioners of space medicine" Many thanks to Jeff and Kathy for establishing this important endowment.

ANAHPs ANNOUNCES THE FORTH ANNUAL MARY F FOLEY ENDOWMENT EVENT: "INFLUENTIAL WOMEN ON THE FRONTIERS OF SPACE EXPLORATION"

The annual Mary F Foley Endowment Panel will be presented at the 94th Annual Scientific Meeting of AsMA in Chicago on May 8th, 2024. Mary {Bunny} Foley was a visionary, driven by passion and curiosity in her quest to influence the quality of health care in air transport around the world. The AsMA Foundation Endowment was established by the Foley family in her honor to perpetuate her legacy and career long work profiling women in aviation and aerospace medicine and encouraging others to follow in her path.

The inaugural panel events profiled pioneer women who modeled exceptional qualities of leadership under challenging, austere circumstances and extreme environments. Their actions influenced policy, set standards on best practices, established the foundation upon which public health was built and changed the landscape of operations around the globe. These women offered illuminating insights, inspiration, mentorship, and ideas of leadership development. Upon this foundational culture, we build the dynasty of influential women.

As we grow momentum in the era of space travel, influential women chart the course, shape the landscape of leadership characterized by the qualities of determination, courage and persistence. The first presentation will portray the distinguished Thais Russomano, Brazilian doctor, who founded MicroG, the first Latin American Space Life Sciences research and education center, distinguishing herself through boldness and scientific grounding. She is followed by the profile of NASA astronaut Nicole Stott whose paintings and book urgently illustrate how Earth requires humanity's care. She inspires and empowers others to embrace the marvels of

space exploration by applying lessons learned in space to promote Earth and human healing. The panel highlights the contributions and influence of former NASA Chief Astronaut Peggy Whitson, holder of the longest record of an American woman in space of 675 days, and the first woman to command the ISS, twice. Dr. Ilaria Cinelli PhD in biomedical engineering has shattered records as the youngest female scientist to lead the Aerospace Human Factors Constituent Organization, youngest member of the Mars Society Steering Committee and is recognized globally as a distinguished next generation scientist, role model in space medicine, engineering, and gender equality. Presenters will convey how Cinelli's energy in action inspires others, as evidenced by her role as commander on analog missions in extreme environments and demonstrate her cascading influence on the evolution of space exploration. The panel culminates in the profiling of Ambassador Barbara M Barrett, the 25th Secretary of the U.S. Air Force, who was influential in executing the launch of a new branch of the military, the U.S. Space Force. In this sobering eye-opening segment of "What's Ahead," Barrett persuasively proclaims the vulnerability of our asset Earth and appeals for a service totally focused on our needs in space, and dedicated to protecting our space.

Please join us in Chicago to pay tribute to these women of unique influence that are crafting the future of space operations. As we celebrate their collective contributions, we will gain personal enrichment in lessons on leadership for all to emulate.

We continue to appreciate the ongoing support of the Foley family in this initiative. The AsMA Foundation recognizes the continuous growth of the Mary F Foley endowment fund, now reaching nearly \$20,000. Monies are used to support educational events and outreach activities on social media platforms, podcasts and webinars to increase visibility and attract new members to fortify AsMA and the ANAHPS constituent organization. Emphasis is given to topics of interest and initiatives that support the development of interdisciplinary teams with skill sets to serve the future needs of traditional aerospace medicine and emerging commercial space travel.

Contributions and investments to assist in these efforts to recognize women and to facilitate leadership development are greatly appreciated. If you wish to support these initiatives, please contribute to the Mary F Foley Endowment fund. Many thanks to all who have already contributed.

Marian B Sides PhD.MSN,FAsMA, Past President AsMA

RICHARD B. "DICK" TRUMBO PREVENTIVE MEDICINE RUN/WALK IN CHICAGO TO INCLUDE EXPANDED RECOGNITION CATEGORIES



Plans are complete for the Richard "Dick" Trumbo 5K Preventive Medicine Fun Run/Walk scheduled for 6:00 AM on Monday, May 6, 2024 in Chicago. Jeffrey Sventek, Executive Director of AsMA, and the advanced planning team have developed a course along the Lakefront Trail near Lake Michigan. The Trumbo 5k will begin and end at the DuSable Harbor Park that is only a short distance (11-minute walk) from the host Hyatt Regency Hotel. The advanced planning committee has arranged race logistical support, and the UTMB Aerospace Medicine program will provide commemorative

shirts and medical support. In addition, the planning team has announced that male and female winners in three different age brackets will be recognized before the Reinartz panel:

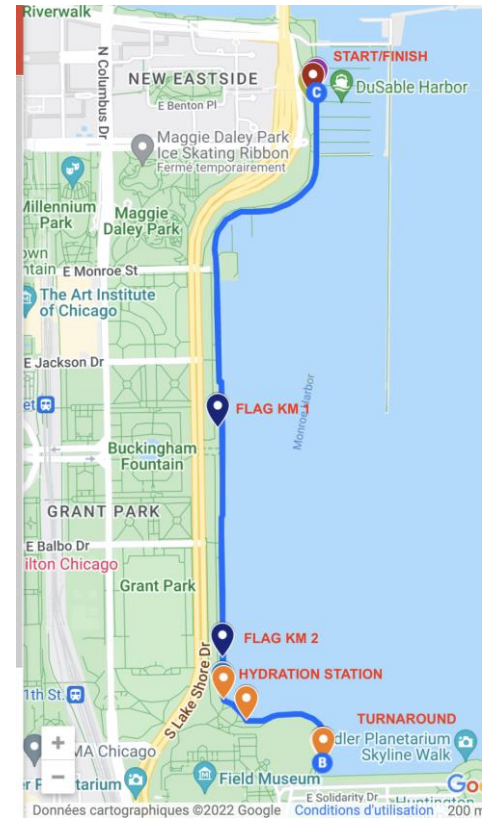
- Female – Under 36 years of age
- Female – 36-50 years of age
- Female – Over 50 years of age
- Male – Under 36 years of age
- Male – 36-50 years of age
- Male – Over 50 years of age



The Trumbo Run/Walk has been a part of the AsMA scientific meeting for over 20 years, and Dr. Trumbo was the consistent early supporter for the event. The Run/Walk is partially funded through the Foundation by an endowed fund that has been generously supported by Peggy Trumbo and the friends and colleagues of Dr. Trumbo.



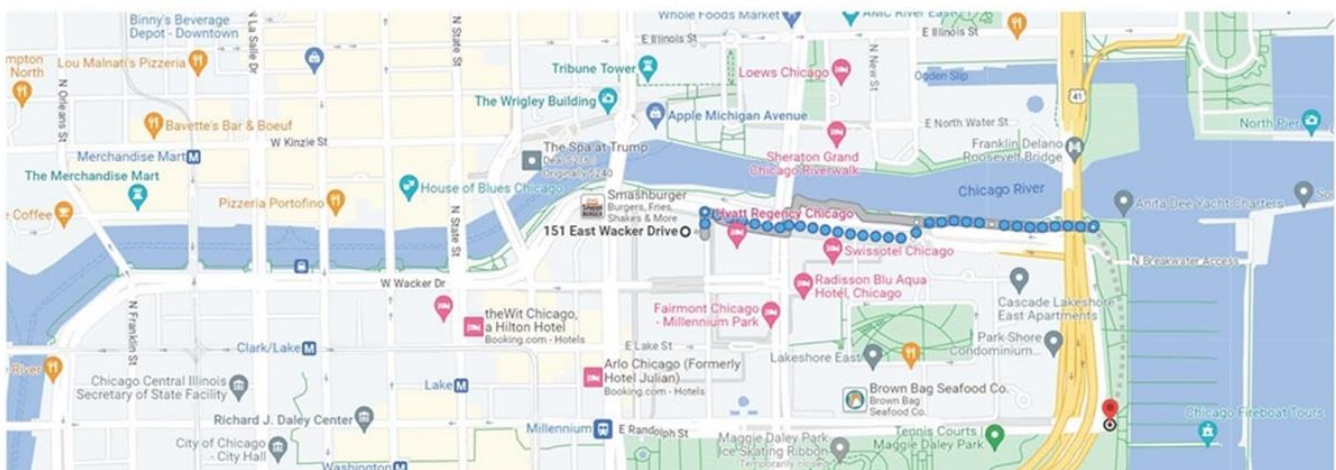
We hope you will be able to attend the AsMA 94th Annual Scientific Meeting and also hope many of you will choose to participate in the 22nd anniversary of the Trumbo 5K Fun Run/Walk.



Google Maps

151 E Wacker Dr, Chicago, IL 60601 to DuSable Harbor, Walk 0.5 mile, 11 min
111 N Lake Shore Dr, Chicago, IL 60601

2024 Richard "Dick" Trumbo 5K Run/Walk



FOUNDATION BOOTH IN CHICAGO TO FEATURE A NEW BOOK BY DR. RUSSELL B. RAYMAN

The AsMA Foundation will be hosting a booth in the display area at the annual scientific meeting in Chicago. In addition to meeting with Foundation Board members and providing input to the Board, this year the booth will also be featuring the new book by Russell B. Rayman, MD, MPH, DAv titled “MY HALLOWED GROUND: Reminiscences of a Flight Surgeon.” Doctor Rayman’s book is autobiographical and spans five decades, 1962-2010, through anecdotes chronicling his experiences. These include serving as flight surgeon during his years with USAF, the space program, and as executive director of the Aerospace Medical Association. The story takes the reader to Hanoi when U.S. POWs are released, into the cockpit of an F-4 during combat operations in Vietnam, to Wake Island during the rescue of Vietnamese refugees, to Bangladesh on a humanitarian mission, to NASA Headquarters to assist by telemedicine Armenian physicians after a devastating earthquake, and to the halls of Congress. These and other events are described as historical, inspiring, instructive, and in some cases, just entertaining. Importantly, Dr. Rayman has offered to donate to the Foundation all the proceeds generated from the hardcover book, which would typically cost \$30. Attendees will be able to donate to the Foundation or purchase the book by cash, check, and credit card.

SUPPORTING THE ASMA FOUNDATION

The AsMA Foundation supports aerospace medicine and its allied fields through scholarships, awards, grants, and other activities. Named individual and constituent organization endowed funds have been created to support awards, scholarships, and events in perpetuity, but unrestricted gifts are also appreciated. It is easy to support the Foundation: donations may be in cash, securities, bequests, life insurance, savings bonds, retirement plan assets, or real estate. Those that designate future gifts to the Foundation will be added to the Heritage Society if desired. Many types of gifts can limit tax liability, but it is prudent to consult a tax advisor. For more Foundation information, visit the [AsMA website](#).

CONTACTING THE FOUNDATION

AsMA Foundation
320 S. Henry St.
Alexandria, VA 22314

No one who achieves success does so without the help of others. Alfred North Whitehead

Thank You for Supporting the AsMA Foundation

Donation Amount: _____

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