



Ever Upward: March 2017

Early Risers Needed!

The annual Richard "Dick" Trumbo 5K Preventive Medicine Run/Walk will take place on Monday, May 1, at 6 AM. We need 5-10 volunteers to help set up and register participants. If you are interested, please contact Dr. Walter "Sparky" Matthews at docsparkyram@me.com.

New Members

Alexander, Richard; Salt Lake City, UT
Altchuler, Steven, Ph.D., M.D.; Rochester, MN
Asadi, Amran; San Diego, CA
Choowong, Jirawat; Lat Krabang, Thailand
De Rooy, Diederik; Leiden, Netherlands
Diente, Anna Lyra; Paranaque, Philippines
Grindstaff, Travis; Johnson City, TN
Jantrasoor, Winoo; Don Mueang, Thailand
Kenedi, Chris; Auckland, New Zealand
Kristjansson, Ragnar; Reykjavic-kurborg, Iceland
Labastida, Nancy; San Francisco Xocotitla, Mexico
Liu, Joanne; Somers, NY
MacDonnell, Jason; Enterprise, AL
Mackaill, Christina; Edinburgh, United Kingdom
Mae, Residente; Bogota, Colombia
Martin, Taylor; Tempe, AZ
Mecham, Jonathan; Bordentown, NJ
Miranda Rosa, Milton; San Antonio, TX
O'Connell, Meg; Caboolture, Queensland, Australia
Parkes, Frederick; Brunswick, Victoria, Australia
Pattanaik, Sambit; Vestavia, AL
Schenker, Eran; Tenafly, NJ
Sciuto, Brooke; Wichita, KS
Stewart, Matthew; Victoria, Australia
Takashima, William; Aiea, HI
Taylor, Dave; Pasadena, CA
Teotico, Maria Cristina; AKL, Philippines
Willenbring, Brad; Fairbanks, AK

In Memoriam: Richard B. Trumbo

We are deeply saddened to report that Richard B. "Dick" Trumbo has passed away at the age of 84. You may know him best these days as the benefactor of the annual "Fun Run" 5k run/walk at AsMA's annual meetings, a project that was near and dear to his heart. A Fellow and 50+ year member of the Association, Dick spent 8 years as AsMA Assistant Executive Vice President and our meeting planner from September 1991 to July 1999. He thoroughly enjoyed his many world-wide friendships through



AsMA. His wife, Peggy, has been a very active member of the Wing of AsMA for many years.

Richard Bonner Trumbo was born 2 February 1933 in Norfolk, VA. He graduated from Virginia Military Institute in 1954 with a major in biology and attended the Medical College of Virginia from 1954-1957. He was commissioned into the U.S. Air Force as an aviation physiologist in 1957. Col. Trumbo received his Masters and Ph.D. from the University of Southern California with a major in physiology. He graduated from the Air Command and Staff College and the Air War College while on active duty.

Dr. Trumbo was first assigned as an aviation physiologist at the Craig AFB Alabama Physiological Training Unit. His next Air Force assignment was from 1963-1966 with the Physiological Training Section, USAF Hospital, Andrews AFB, MD. In 1968 he was assigned as Commander, 831st Physiological Training Flight, 479th Tactical Hospital, George AFB, CA. In October 1969, Dr. Trumbo was reassigned to the Physiological Support Division, USAF Regional Hospital, Davis-Monthan AFB, AZ, in support of the SAC, U-2 reconnaissance program. He was selected for an assignment at the Air Force Academy, CO, where he served as Instructor, Assistance Professor, and Division Director of Life and Behavioral Sciences from 1971 until 1974. In 1975, Dr. Trumbo was assigned as staff Physiologist in the Office of the Command Surgeon, HQ AFSC, Andrews AFB, MD, with the Directorate of Biotechnology from 1975 through 1978 participating in management of manned systems-related research in the Air Force.

In 1978, Dr. Trumbo was selected for a DOD assignment at the Uniformed Services University of the Health Sciences (USUHS), Bethesda, MD, as Director of Grants Management and Assistant Professor in the Departments of Physiology, and Military Medicine and History. In August 1981, he was assigned to the Armed Forces Radiobiology Research Institute (AFRRI), Bethesda, MD, as a Research Physiologist. Dr. Trumbo participated in radiation cardiovascular research and served as the senior Air Force officer at the Institute. Dr. Trumbo was named as Chief, Physiological Support Division, USAF Hospital Beale AFB, CA, in 1982. He was responsible for the support of aircrews in the SR-71, U-2, TR-1 aircraft worldwide high altitude reconnaissance program for SAC as well as the Command's Physiological Training Program. In the summer of 1984, he returned to HQ AFSC as Director of Biotechnology and Human Factors. In 1985, he was reassigned as Chief, Aerospace Physiology, Office of the Surgeon General, as well as the Associate Chief, Biomedical Sciences Corps for Aerospace Physiologists.

Upon retiring from the Air Force in 1988 until mid-1989 Dr. Trumbo served as Manager, Space Medicine and Biology Department, Life Sciences Program Office, Lockheed Engineering and Sciences Company. In this position he was responsible for planning, organization, direction, and control of scientific and administrative assistance in support of the Space Medicine and Biology Branch, the NASA Headquarters, Life Sciences Division.

In the summer of 1989, Dr. Trumbo established a consulting firm, Aerospace Life Sciences, Inc. (ALSI) to provide con-

See 'Trumbo', p. N11

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

sultation services in the areas of aerospace physiology, human factors, biomedical and environmental sciences, and life support, as well as exercise and fitness. Then, in September of 1991, Dick became the Assistant Executive Vice President of AsMA. He was responsible for meeting planning and site selection during his tenure from September 1991-July 1999. During his time at AsMA headquarters, he always had time for you—a cup of tea and a chat. He was quite the Southern gentleman. He knew every member who needed assistance with planning at the meeting and treated them with kindness and respect. He could always handle the 'glitches' calmly.

His military decorations included the Air Force Legion of Merit, Air Force Meritorious Service Medal with one Oak Leaf Cluster, Joint Services Commendation Medal, and Air Force Commendation Medal with four Oak Leaf Clusters. He was a recipient of the Fred A. Hitchcock Award for Excellence in Aerospace Physiology, AsPS. In addition to his Fellowship in AsMA, Dr. Trumbo was a past president of the Aerospace Physiologist Society (AsPS), and a member of the SAFE Association. He was certified in Aerospace Physiology by the AsMA, a private pilot, and a certified scuba diver. His outside pleasures included sailing, skiing, tennis, his West Virginia homeplace, and Cobbs Creek, VA, on the Piankatank River.

Memorial gifts may be made to St. Aidan's Episcopal Church, Virginia Military Institute (Richard B. Trumbo Scholarship Fund) in Lexington, VA 24450, or Capital Caring Hospice, 5845 Richmond Hwy, Alex, VA 22303.

Visit Us on Social Media!

Twitter: https://twitter.com/aero_med

FB: www.facebook.com/AerospaceMedicalAssociation

LinkedIn: [https://www.linkedin.com/company/2718542?trk=tyah&trklnfo=tarId:1404740611720,tas:Aerospace Medical,idx:1-1-1](https://www.linkedin.com/company/2718542?trk=tyah&trklnfo=tarId:1404740611720,tas:Aerospace%20Medical,idx:1-1-1)

MEETINGS CALENDAR

March 28-30, 2017; 3rd Annual Singapore Aviation Safety Seminar; Singapore Aviation Academy, Singapore. For more information, please visit <http://flightsafety.org/aviation-safety-seminars/singapore-aviation-safety-seminar-2017>.

April 4-6, 2017; Arvind Chaturvedi Colloquium on Postmortem Forensic Toxicology in Aviation; Mike Monroney Aeronautical Center, CAMI, FAA, Oklahoma City, OK. For more information, please see the [Colloquium announcement](#).

May 19-24, 2017; ATS International Conference; Washington, DC. For more, please visit http://conference.thoracic.org/program/call_for_abstracts/index.php.

May 23-26, 2017; Preventive Medicine 2017; Portland, OR. The theme will be 'Achieving Health Equity Through Prevention.' For more information, please visit <https://www.eventscribe.com/2017/acpm-annual/>.

September 25-29, 2017; 68th Annual International Astronautical Congress (IAC); Adelaide, Australia. For more information, please visit <http://www.iafastro.org/events/iac/iac-2017/>.

Obituary Listing: Harold Walgren

AsMA was saddened to learn of the death of Harold N. Walgren, M.D., J.D., LLM, in early February. Born in Illinois, he attended medical school at the University of Illinois-Chicago, where he earned first a B.S. and then an M.D. He completed an internship and residency at Presbyterian-St. Luke's Hospital, Chicago, and then spent one year in radiation research at Argonne National Laboratory, Argonne, IL. He later earned his J.D. and LLM from the John Marshall Law School of Chicago. He served in the military for over 33 years as a commissioned officer in the U.S. Air Force, serving with the Illinois National Guard and at Luke AFB. He retired in 1995 with the rank of Colonel and a rating of Chief Flight Surgeon. He also served as a Senior Aviation Medical Examiner for the Federal Aviation Administration and was board certified by the American Board of Radiology and the American Board of Legal Medicine, and was a Diplomate of the American Board of Radiology. His experience included teaching radiology at a number of hospitals in Chicago and was a consultant radiologist for several hospitals in Illinois. He held numerous memberships in various professional organizations, including the AMA. He was a Fellow of the Aerospace Medical Association and the American College of Legal Medicine, a past President of the Civil Aviation Medical Association and the DuPage County, IL, Medical Association, and a past trustee of the Flying Physicians Association. An online obituary can be found at <http://www.thompsonfuneralchapel.com/obituary/dr-harold-n-walgren/>.

Read Current News Online!

The AsMA, Industry, & Member News pages are updated regularly! Go online and check them out.

Future AsMA Annual Scientific Meetings

April 29-May 4, 2017: Sheraton; Denver, CO
May 6-10, 2018: Hilton Anatole Hotel; Dallas, TX
May 5-9, 2019: Rio All Suites Hotel; Las Vegas, NV

Scholarships to 2017 ICASM Offered

The 2017 ICASM, will be held in Rome, Italy, in the Fall of 2017. The Italian Association of Aerospace Medicine and the National Association of Assistants and Controllers of Air Navigation have announced the VII edition of the scientific prize "I Guidoniani." The scholarship prize will be 2,000 Euro for the best original paper in the field of medicine, psychology, or engineering, regarding man in atmospheric/spatial flight, and 2,000 Euro for the best original paper in the field of medicine, psychology, or engineering concerning human factors in air traffic control. Scientists below the age of 35 with a degree in medicine, biology, psychology, or engineering are eligible.

Completed and signed applications should be submitted online to: segreteria@aimas.it or faxed to: 06.99331577.

The deadline for applications is the 15th of June 2017.

The full application form can be downloaded from: http://www.aimas.it/docs/premio_guidoniani_2017.pdf.

NEWS OF CORPORATE MEMBERS

NIOSH & NHCA Present Hearing Loss Prevention Award

The National Institute for Occupational Safety and Health (NIOSH), in partnership with the National Hearing Conservation Association (NHCA), announced the recipient of the 2017 Safe-in-Sound Excellence in Hearing Loss Prevention Award™. The award honors those that have contributed to the prevention of noise-induced hearing loss and tinnitus through effective practices or innovations directed to those who are exposed to noise at work. The award was presented at the Annual Hearing Conservation Conference on February 24th, 2017, in San Antonio, TX. This year's award went to Ryan Lee Scott, Deputy Sheriff with the Alachua County Sheriff's Office in Florida, who demonstrated initiative and innovation in examining noise exposure among police officers and presenting potential solutions in order to be safer on the job. Scott contributed to studies on the high-level impulse sounds produced by firearms and interventions that can minimize the risk, and developed an educational workshop, "Firearms Training and Hearing Loss", tailored specifically to the law enforcement community. Additionally, he has invested both his personal time and money to voluntarily develop, travel, and deliver his training sessions. In doing so, he has also worked to increase the availability of technological solutions and devices that integrate hearing protection with radio communication systems, so that situational awareness

is preserved for those whose hearing is critical to job performance and safety.

—Please visit <https://www.cdc.gov/niosh/updates/upd-02-23-17.html> for more on this.

Essex Partners with Tulmar Safety Systems

Essex Industries announced an exclusive partnership agreement with Tulmar Safety Systems to supply PBE training hoods for its customers. The Essex PBE (Protective Breathing Equipment) provides crewmembers with ocular, head and respiratory protection during emergency conditions in an aircraft cabin. Training hoods allow airline personnel to practice donning the hood prior to a smoke emergency. Tulmar manufactures realistic training hoods that feel and operate like the actual PBE, and offers a repair service as well as replacement neckpieces. Located in Ontario, Canada, Tulmar Safety Systems Inc. is a fully integrated manufacturer of engineered protective textiles and survivability solutions for the aerospace and defence market worldwide.

—Please see <http://www.essexindustries.com/essex-announces-partnership-tulmar-safety-systems/> to read more.

See 'Corporate News', p. N13

Want to see your company's news here?

Become a Corporate and Sustaining Member!
Visit www.asma.org/for-corporations to learn more.



Hello, Naples.

UHMS 2017 Annual Scientific Meeting

◆ June 29-July 1 ◆

Pre-Courses June 28 ◆ Post-Course July 2

NAPLES GRANDE BEACH RESORT
475 Seagate Drive ◆ Naples, Florida 34103

To register or for location, hotel and
travel information see:

<https://www.uhms.org/>

PHOTO COURTESY OF NAPLES GRANDE

Mayo Clinic Donates Stem Cells to SpaceX Launch

The latest rocket launch from NASA's Kennedy Space Center in Cape Canaveral, FL, included a payload of several samples of donated adult stem cells from a research laboratory at Mayo Clinic's Florida campus. The launch by SpaceX, an American aerospace manufacturer and space transport services company, is part of NASA's commercial resupply missions to the International Space Station. The biological cells come from the laboratory of Abba Zubair, M.D., Ph.D., who says he has eagerly awaited the launch following several delays over the past couple of years. Dr. Zubair, who specializes in cellular treatments for disease and regenerative medicine, hopes to find out how the stem cells hold up in space. He says he's eager to know whether these special cells, which are derived from the body's bone marrow, can be more quickly mass-produced in microgravity and used to treat strokes. Studies in simulators on Earth have shown that adult stem cells—the undifferentiated cells that exist in the body to replace damaged or dying cells—reproduce quickly and reliably in microgravity. Dr. Zubair hopes to find that, in space, stem cells can be reproduced safely in large quantities, providing new opportunities for patients.

—Please visit <http://newsnetwork.mayoclinic.org/discussion/blast-off-stem-cells-from-mayo-clinic-physicians-lab-launch-into-space/> for more on this.

Corporate News Bites

ETC: Environmental Tectonics Corporation's (ETC) Aircrew Training Systems (ATS) business unit announced the award of multiple contracts for customers in Asia, the United States, and the Middle East. Products to be provided under the contracts include: an upgrade of a human centrifuge that has reached its useful life to ETC's Authentic Tactical Flight Simulator (ATFS-400); a suite of interactive motion based simulation and virtual reality equipment; and several maintenance contracts. Please see <https://www.etcusa.com/etcs-aircrew-training-systems-awarded-multiple-contracts-totaling-22-million/> to read more about this.

SAA Retains Its IEnvA Status

South African Airways (SAA) has become one of only a handful of global airlines to retain its IATA Environmental Assessment Programme (IEnvA), the comprehensive airline environmental management program, Stage 2 status. SAA attained Stage 2 status for the first time in January 2015 and remains at the forefront of environmental sustainability in aviation. IEnvA is a stringent environmental assessment program based on recognized international environmental management systems and is specifically tailored to airlines and aviation. IEnvA often exceeds international environmental management standards and requires continuous improvement and innovation in environmental sustainability of airlines. IEnvA was developed in conjunction with other airlines, with SAA part of the process from the beginning, to address industry needs and specific concerns. As a result, IEnvA helps airlines to simplify regulatory compliance, demonstrate good governance, and achieve financial savings from the better use of resources.

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

Upcoming FAA AME Seminars

<u>Dates</u>	<u>Location</u>	<u>Seminar Type</u>
March 20-24, 2017	Oklahoma City, OK	Basic
May 1-4, 2017	Denver, CO	AsMA
June 19-23, 2017	Oklahoma City, OK	Basic
Aug. 11-13, 2017	Washington, DC	Refresher
Sept. 14-16, 2017	Greensboro, NC	CAMA
Sept. 22-24, 2017	Denver, CO	Refresher
Oct. 23-27, 2017	Oklahoma City, OK	Basic
Dec. 1-3, 2017	Portland, OR	Refresher

PLEASE NOTE: The only FAA seminar AsMA takes registrations for is the one held in conjunction with our annual meeting in May. For all others, please contact the FAA.

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