

## AEROSPACE PHYSIOLOGY REPORT

Send information for publication on this page to: Maj. Andrew Woodrow, USAF, BSC  
Chief, Aerospace Physiology Formal Programs, Brooks City Base, TX 78235  
210-536-6441  
Andrew.Woodrow@brooks.af.mil

### Aerospace Physiology Operational Excellence, Training, Research, and Leadership Award Winners

by David A. Welge, MAJ, USAF, B.Sc.,  
CAsP, Awards Committee Chair

The Aerospace Physiology Society (AsPS) is proud to announce the winners of the Society's three annual awards for excellence in operational aerospace physiology, aerospace physiology research, and aerospace physiology leadership as well as the winner of the Society's Partner in Education Award. The award winners were announced during the 78th annual Aerospace Medical Association Annual Scientific meeting in New Orleans, LA, during the AsPS luncheon on Wednesday, May 16, 2007.

Congratulations to all of this year's winners. Their hard work and dedication is a testament to the high quality of individuals dedicated to research, education, and training in Aerospace Physiology.

#### Wiley Post Award LCDR Rich Folger

The Wiley Post Award recognizes outstanding contributions in direct operational physiology and aeromedical training and education over the previous 12 months. In 1972, the Wiley Post Award replaced the Paul Bert Award for operational physiology. It is named in honor of the aviation pioneer Wiley Post. The Wiley Post Award is presented for exceptional service and achievement in operational physiology, including education and physiological support of Dept. of Defense, FAA, NASA, or civilian aircrew. The Gentex Corp. of Carbondale, PA, sponsors the Wiley Post Award. The winner for 2007 is LCDR Rich Folger. LCDR Folger directed the planning, implementation, and instructor training for 32



**WILEY POST AWARD**--Rich Folger receives the award from John Winship, representing the sponsor, Gentex Corp.

state-of-the-art reduced oxygen breathing device (ROBD) workstations at eight Aviation Survival Training Centers. This tremendous effort resulted in the most significant improvement to survival training in over 50 years, increasing realism and relevance in response to fleet requirements. He also served as liaison between the Spatial Awareness Training System (SPATS) developer and Naval Survival Training Institute, providing key direction and expertise to ensure Phase II/III program planning efforts were on track.

#### Paul Bert Award Lloyd Tripp

The Paul Bert Award recognizes outstanding research contributions in aerospace physiology over the previous five years. This award was established in 1969 and is named in honor



of the famous French physiologist, Paul Bert, the "Father of Pressure Physiology." The winner for 2007 is Mr. Lloyd Tripp. Mr. Tripp has been a prolific contributor to the field of aerospace physiology as a centrifuge subject, principal investigator, and author. His research into G-induced loss of consciousness (G-LOC) has re-defined the periods of absolute and relative incapacitation and the effects of G-LOC on pilot cognitive performance. His innovative research with near infrared spectroscopy has demonstrated this technology as a reliable physiological correlate to measured changes in subject task performance and cognition.

#### Fred A. Hitchcock Award Col. James Dooley

The Fred A. Hitchcock Award recognizes career contributions of senior aerospace physiologists for excellence in either operational aerospace physiology or aerospace physiology research. The award



was established in 1972, and is named in honor of Fred A. Hitchcock, Ph.D., co-translator of Paul Bert's classic work, "Barometric Pressure." International ATMO of San Antonio, TX, sponsors the Fred A. Hitchcock Award. The 2007 winner is Colonel James Dooley. Col. Dooley has demonstrated uncompromising leadership in management of Air Force and DoD programs during his 23-year Air Force career. His numerous crucial contributions include: support of high altitude reconnaissance missions; management of hy-

perbaric medical treatment, clinical investigation, and acceleration protection R&D programs; and management of aerospace physiology programs in the largest Air Force major command. Soon after entry into the Air Force, he was awarded the "Iron Mike" Award as the U.S. Army Airborne Course's Officer Honor Graduate. Col. Dooley has published 15 peer-reviewed articles and has completed Air Force fellowships in hyperbaric physiology (USAF-SAM) and clinical investigation and holds board certifications in Aerospace Physiology (AsMA), Hyperbaric Medical Technology (NBDHMT), Health Promotion Director (Cooper Institute), and Health/Fitness Director (ACSM).

#### Partnership in Education Award Colleen Fiegel

The Partner in Education Award is given to a teacher in a school district of the host city for that year's AsMA meeting. The winner is an individual who has brought a unique approach to teaching science in the classroom and has inspired his or her students to an interest in science. The 2007 winner is Colleen Fiegel. Ms. Fiegel is a Biology Teacher and Science Chairperson at Franklin Senior High School. She has been teaching science and related subjects for nearly 30 years. Ms. Fiegel has presented numerous workshops to teachers in Orleans Parish and the state of Louisiana. She has significantly raised the technological capacity of area teachers by making herself available to explore new technology and present that technology to teachers. She serves as the technology coordinator for Franklin Senior High School and as such ensures that all teachers and students have access to the latest classroom technology. Ms. Fiegel has been awarded the Presidential Teaching Award in High School Science and the Tandy Technology Scholar Award. She has served as a board member of the Louisiana Science Teachers Association.



**PARTNERS IN EDUCATION AWARD**--The 2007 award for excellence in science education is presented to Ms. Colleen Fiegel by CDR Matt Herbert, USN.

## AEROSPACE NURSING SOCIETY NEWS

Send information for publication on this page to: **Cathy DiBiase**  
**Mail code: BIO-1**  
**Kennedy Space Center, FL 32899**  
**email: Catherine.P.Dibiase@nasa.gov**

### President's Message

It is with great pleasure that I greet each of you this month as your new president. In this message I would like to recap the highlights from the Annual Scientific and our annual Aerospace Nursing Society (ASN) business meeting, to inform you of our award winners for 2007, and to announce the officers who will serve through 2008.

Our meeting, which included sessions concerning the patient-transport arena, was well attended in New Orleans. Our past president, Janet Sanner, presented a session, entitled "Care in the Air." Likewise, all of the speakers were most informative and presented useful information.

Unlike my previous experiences, in which I had mainly attended the scientific portion of ASMA conference, I had the opportunity to attend business meetings this year. The ASN is represented by the president and vice president during several AsMA Council meetings.

This year we had a lovely reception on Monday evening with the new attendees and associate fellows. Several people, including Eileen Hadbavny, contributed a lot of hard work into this event.

As most of you may be aware, our luncheon is on Wednesday afternoon and followed by our business meeting. We had a very nice buffet lunch with local cuisine. Our luncheon address was given by **Fredrick Tilton, M.D., M.P.H.**, Federal Air Surgeon, Federal Aviation Administration, Aerospace Medicine Division. Dr. Tilton served in the U.S. Air Force for 26 years. During his military career, he flew as a pilot, commanded clinics, functioned as an F-15 physician/pilot technical consultant, and held key executive positions in the Surgeon General's Office, which included the Chief of Flight Medicine. After retiring from the military, Dr. Tilton joined Boeing, serving as a Regional Medical Director in Wichita, and as a Corporate Medical Director in Seattle. Dr. Tilton is a graduate of the U.S. Military Academy. He received his M.S. and M.D. degrees from the University of New Mexico, and his M.P.H. from the University of Texas. A Fellow of AsMA and the American College of Preventive Medicine., he is board-certified by American Board of Preventive Medicine in

Aerospace Medicine and Occupational Medicine.

Our Awards Chair, Charles Tupper, presented the awards during the luncheon. The first award given was the **Brigadier General E.A. Hoefly Award**, which is presented for outstanding performance in the field of clinical nursing. An outstanding Air Force officer and top-notch Instructor Flight Nurse, **Capt. Wendy Chapman**, is this year's recipient. She is currently stationed at Scott Air Force Base, IL, with the 375th Aeromedical Evacuation Squadron. In the past year, she performed superbly as an Instructor Flight Nurse and Element Leader of the Professional Development Office. She has been deployed in support of Operation Iraqi Freedom, Operation Enduring Freedom and for the Joint Task Force in the Horn of Africa. She always demands the utmost in compassionate and quality nursing care from her students and fellow aeromedical evacuation crewmembers and has truly made a difference in the quality of patient care delivered to our combat wounded warriors.

The **Hans Krakauer Junior Flight Nurse of the Year Award** is presented for outstanding performance in the field of flight nursing. This year's award was given to **Capt. Carla Sutton**. Capt. Sutton is a recent "Distinguished Graduate" from the Air Force flight nursing course and is currently stationed at Ramstein Air Base, Germany. Her passion for



**LUNCHEON SPEAKER**--Dr. Fredrick Tilton, Federal Air Surgeon and Past President Janet Sanner.



**ANS 2007 AWARD WINNERS**-- Wendy Chapman, Anthony Thomas and Carla Sutton pictured with Janet Sanner, Dr. Fred Tilton, and Maj. Gen. ThomasTravis.

flying began as a neonatal critical care transport nurse in 2004 at Wilford Hall Medical Center (WHMC), TX. She found that she excelled in the aeromedical nursing environment and was soon chosen to lead as a certified member of the only long-range extra corporeal membrane oxygenation transport team in the world. She has flown on three missions to transport civilian pediatric patients, including one in which a patient coded in-flight and was resuscitated. She was recognized for her leadership and life-saving efforts.

The final award presented was the **Edward R. Iversen Allied Health Technician of the Year Award**. It is presented to an enlisted-level allied health technician for outstanding performance in the allied health care arena. This year's award was presented to **SSgt Anthony J. Thomas** and is the first Health Care Administration Technician to receive this award. SSgt Thomas distinguished himself by outstanding achievement as a Mission Controller for the Aeromedical Evacuation Operations Team (AEOT), 791st Expeditionary Aeromedical Evacuation Squadron (EAES), 721st Air Mobility Operations Group, Ramstein Air Base, Germany in 2006. He had direct oversight for control of ground operations for 354 AE missions with 3300+ combat wounded and contributed to the successful mission completion during some of the most intense operations the Iraq war.

The officers who will be leading the ASN this year are: Vice President/President Elect-Maj. **Kim Barber, USAFR, NC**, and Nursing Coordinator, Professional Development with Kettering Medical Center Network; Secretary-Lt. **Col. Nora Taylor, USAFR, NC**, and Manager for Training BH-CR, will continue her 2-year term that will end in 2008; Treasurer-Col. **Diane Fletcher, USAF, NC**, at Scott AFB.

Look for next month's installment where I hope to recap some of the items discussed at our business meeting and what we are planning for the upcoming year.

Before I close I need each of you to help us serve you better. Please go to the AsMA website ([www.asma.org](http://www.asma.org)) and update your member profile with all your relevant and up-to-date information, including at least two email addresses. Please don't forget and hurry!

I am excited to represent the ASN this year.

**Cathy DiBiase, RN, BSN**  
**ANS President 2007-2008**



**CURRENT OFFICERS** - Nora Taylor, Diane Fletcher, Kim Barber, and Cathy DiBiase.