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AEROSPACE PHYSIOLOGY REPORT

AsPS Luncheon and Evening Social

On Wednesday 7 May 2003, the Aerospace Physiology Society (AsPS) will be holding their annual luncheon between 12-2 p.m. Ms. Amy Ross, NASA's Space Suit Project Engineer, will give the Smith W. Ames Lecture. We anticipate an informative discussion on the development, current use and future applications of the Extra-Vehicular Activity (EVA) suit to include NASA's journey to our good neighbor 'The Red Planet.' Ms. Ross has been involved in NASA's EVA program for several years. Her personal dedication knows no bounds. She has personally tested five different EVA suits to include the Russian space suit and two different versions of the crew escape suit in the Neutral Buoyancy Laboratory (NBL) and the KC-135 Reduced Gravity Aircraft (the 'Vomit Comet'). The Society's general membership meeting will immediately follow the luncheon. Topics to be covered include, but are not limited to: AsPS current membership status, committee and board member nominations, awards, Education and Training Day topic for AsMA 2004, next year's luncheon & social event, ASEM journal articles, and board certification update.

To end the day with an event to remember

the AsPS will be hosting their evening social at San Antonio's famous Buckhorn Saloon & Museum. The Buckhorn has been in operation since 1881 and has always been a gathering place for locals and tourists alike. We will be hosting our guests in this authentic western establishment from 6:30-8:30 P.M. providing good food and music in a relaxed atmosphere for catching up with old friends and making new ones. We are encouraging our guests to dust off their cowboy boots or throw themselves wholeheartedly into the spirit of the evening by playing along with the western theme...so come on out in your best John Wayne or May West outfit. Awards will be presented for the following categories: Best Western Outfit (no not the hotel chain...I mean Cowboy Get-up), Best Cowboy Boots, Biggest Hat, and my favorite category "I can't believe you wore that in public!" We hope to see you all there and make it an evening to remember.

Aerospace Physiology Society Training and Education Day

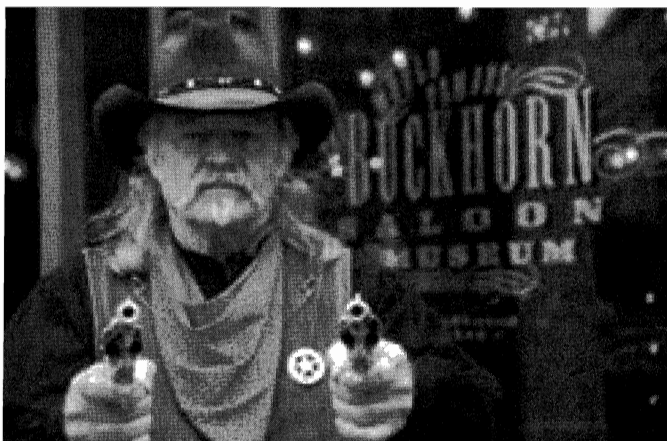
Just a reminder, the Aerospace Physiology Society will sponsor an informative panel on "Controlled Flight into Terrain (CFIT) - Lessening the Impact" as part of their

Education & Training Day activities. The CFIT panel is scheduled for Wednesday, 10:30 a.m.-12:00 noon, prior to the AsPS Luncheon, and is open to all interested AsMA attendees.

Specifically, panel presentations include: "Augmenting Aircrew Situation Awareness in the SOF Environment" (Dr. Guy French/AFRL, W-PAFB); "Top Ten CFIT Killers in DoD Wartime Flight Ops" (Lt Col Glenn Hover/USAFSAM, Brooks AFB); "Controlled Flight into Terrain (CFIT) and Ground Collision Avoidance Systems" (Dr. William Albery/AFRL, W-PAFB); "CFIT and the Cognitive Cockpit" (Col Lex Brown/USAFSAM, Brooks AFB); "Synthetic Vision Systems and CFIT Prevention" (Mr. Randall Bailey/NASA, Langley Research Center), "Attacking Controlled Flight into Terrain in North American Civil Aviation" (Dr. Stephen J. Veronneau/CAMI, Oklahoma City).

AsPS WEBSITE

Visit us online at our website, www.aspsociety.org, where you can register for membership, update membership information, contact society officers and committee chairs, learn about certification in Aerospace Physiology, vote for society officers, read about society awards and more.



BUCKHORN SALOON, MUSEUM AND WILD WEST SHOW--This is where it all started...where Teddy Roosevelt recruited Rough Riders and Pancho Villa is rumored to have planned the Mexican Revolution. for more info visit: www.buckhornmuseum.com (Reprinted with permission.)

UNDERSEA & HYPERBARIC MEDICAL SOCIETY ANNUAL SCIENTIFIC MEETING

JUNE 19-21, 2003

**QUEBEC CITY, CANADA
HILTON HOTEL**

JUNE 18: Pre-courses

1. Diving Medicine, Dr. James Francis
2. Marketing Hyperbarics and Wound Care (Associates/BNA)

For more information on our meeting
visit our website: www.uhms.org
or call 301.942.2980



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Message from Marilyn: Greetings from Malibu

The San Antonio meeting is right around the corner as you read this. I am very much looking forward to it and hope that most of our members from the U.S. and around the world will be able to attend. As I sit here to write, it looks and feels like Spring because the daffodils and jonquils are blooming in my garden. The birds are singing even though it is early February.

Despite the natural beauty surrounding me, I cannot help but feel the dread that we are at an unprecedented place in history. It was just a few days ago that President Bush gave his State of the Union message. Our family doctor is shipping out to the Gulf tomorrow. God be with her and with all the others that are going there. It strikes me that by the time this is published our Country may be at war. Will disaster be avoided as in the Cuban missile crises? Will there be a sudden declaration of war as in WWII? Or, will it be an escalation of fighting as in Viet Nam?

The uncertainty of where we will be in March or April makes it difficult to say anything relevant today that will also be relevant in April or May. "Can we avoid the terrible consequences of war?" is the question I am asking as I attempt to send an upbeat message. By the time you read this, the uncertainty may be over for better or worse. I only hope we are not faced with catastrophic losses of our beloved children, family and friends.

It is with heavy heart that I also reflect on the Columbia Shuttle disaster that took the lives of our brave heroes in space. Our thoughts and prayers go out to the family and friends of these astronauts so sadly lost. What a terrible blow this is to the space community, to NASA and the world. It is with great sadness that we mourn the loss of Laurel Clark, Cmdr. U.S. Navy. Cmdr. Clark had been recently nominated as Honorary Member of the Wing. This award is presented to outstanding women in the field of aviation. Cmdr. Clark's impressive career included medical evacuations from submarines, a tour with a Marine night attack Harrier squadron and three Navy Commendation medals. In one of her last e-mails from space to her family, Cmdr. Clark said she "was in awe of seeing our magnificent planet and blessed to be up there representing our country on this scientific mission." Cmdr. Clark leaves behind an eight year old son who was happy to watch the launch but wished his mother didn't have to be the one to go. As members of the aviation and military community, it seems we can all identify with that emotion.

We all abhor placing men and women in harm's way, especially in this time of conflict in Iraq. When faced with the possibility of huge human loss, we can only hope and insist that our leaders and decision-makers have the courage and conviction to do what is right for the world, and that the core principles embraced by the free world will not be compromised, despite the dangers we now confront.

A Tel Aviv waiter was quoted by the Los Angeles Times, reflecting on the loss of the Shuttle's astronauts and in particular Ilan Ramon, the first Israeli in space. "What a land of disaster we live in. It seems the little light we have here is turning to darkness." I look forward to seeing many of you in May and until then may the beautiful Spring light that springs the flowers to life, bring sunshine and hope to us all in the coming months.

Marilyn Brath

The 36th Edward Warner Award

On November 26th 2002, three Wing members, **Olga Finkelstein, Louise Grenier and Elina Takahashi** attended the 36th Edward Warner Award in Montreal, Canada. This award, the highest honour in the world of civil aviation, was conferred by the Council of the International Civil Aviation Organization [ICAO] on the International Academy of Aviation and Space Medicine [IAASM], in recognition of the Academy's significant achievements in aviation medicine for almost a half century.

The Award was presented by Dr. Assad Kotaite, President of the Council of ICAO, during a special ceremony at the Organization's Headquarters. Dr. Ulf Balldin, President of the Academy, accepted the Award on behalf of the Academy.

After the reception, Dr. Claude Thibeault organized a wonderful dinner at a local Montreal restaurant, where we enjoyed companionship and local French Canadian faire.

Member News

Marilyn Brath and her husband, Bill, had a nice visit to Colorado in January. They stayed with **Barbara and Wayne Kendall**. They have known each other since Bill and Wayne were at Berkeley together. Barbara and Marilyn joined the Wing in San Antonio

in 1975 when Wayne and Bill were Rams. Barbara is an artist who specializes in water-colors and Ichibana, the art of Japanese flower arranging. Barbara and Wayne showed them many of the local sites including the Air Force Academy, Waynes' Alma Mater.

Judy Waring is busy checking for address changes etc. so she can put the new directory together. If you have any changes to your e-mail or home address, please contact her at: mikewaring@msn.com. Thanks Judy.

Charter member **Helene White** underwent a quintuple coronary bypass on Oct 2, 2002. It was quite a surprise as she had not experienced any symptoms prior to the attack. She is doing very well and looks forward to seeing everyone in San Antonio

Judith Donaldson sends greeting from Australia, adding that the drought is playing a big part in their lives. They've planted mung beans but the rain needs to come soon. Their cattle are not selling either. Such is the lot of the farmer. Their adjoining property, "Dunshane," which they rent for small weddings and conferences is looking good. Judith spent much of 2002 working on furniture and curtains. She plans on being in San Antonio.

Lady Mary Baird our 1st Vice President, would be delighted to hear from new, younger Wing Members if they are willing to become involved in future meetings. It would be great to have the new generation take on some committee activities. Please see Lady Mary in San Antonio or e-mail her at: sir-jbaird@ukonline.co.uk. She also reports the 2nd fall of snow in Feb: "Absolute Bloody Chaos!" She says "you would not believe the state of this country."

Elina Takahashi managed to escape part of Ottawa's miserable winter weather twice--in November with her husband to spent a glorious week in Cancun, Mexico, and again in January, with her daughter Melanie--all inclusive, full of food, drink, and sun which leaves Elina wondering how she's going to lose the weight before her daughter's wedding this summer.



WARNER AWARD CELEBRATION---(left to right) Ulf Balldin, Elina Takahashi (hidden), Olga Finkelstein, Mrs. Curdt-Christensen, Claude Thibeault, Marie Grenier, Claus Curdt-Christensen and Silvio Finkelstein enjoy dinner in Montreal after the award ceremony.

ETC to Provide SD Trainer to the RAAF

Environmental Tectonics Corporation (ETC) has received a contract from the Royal Australian Air Force for its Advanced Spatial Disorientation Trainer, the GYRO Integrated Physiological Trainer, Generation II (GYRO-IPT-II).

Following delivery in June of this year, ETC will install and commission the revolutionary trainer in the RAAF Aeromedical Center. The GYRO-IPT-II will be used by the RAAF to train its high performance aircraft pilots and other aircrew to successfully deal with the problem of spatial disorientation.

The GYRO-IPT-II accurately reproduces the motion and visual cue combinations that cause pilots to mistake their aircraft position and motion with respect to the earth's surface. This type of pilot error is called spatial disorientation (SD).

Spatial disorientation remains a largely unsolved problem for military air forces and commercial airlines worldwide, and results in many lost pilot lives and hundreds of millions of dollars in aircraft losses. Possible reasons for the lack of a reduction in mishaps caused by SD include increasingly complicated flight activities, increased night and IMC flight operations, night vision goggle flight operations, and more complex and capable aircraft. However, the primary reason may lie in the approaches traditionally taken to train aircrews to recognize and manage SD, since they typically place the pilot in a passive learning role. ETC is pleased to offer its latest technology, a fully interactive solution, to remedy this problem with the GYRO-IPT-II.

In addition to spatial disorientation training, the GYRO-IPT-II can train pilots in high risk flight maneuvers, including aircraft upset recovery, spins, and stalls—all in a safe, controlled learning environment. The Instrument and Navigation system uses real-world navigation data that is synchronized with its real-world visual database to provide the most effective training for instrument pilots. Finally, the GYRO-IPT-II can be equipped to support research activities, and also to conduct motion sickness desensitization.

[Source: ETC Press Release; 9 Jan 2003; www.etcusa.com.]

FlightSafety International Conducts over 1000 Lessons using ETC's GAT-II

The FlightSafety International Academy (FSI) has conducted the 1000th lesson using ETC's GAT-II® General Aviation Trainer.

FlightSafety International Academy, which is one of the most widely recognized flight training schools, uses their GAT-II® to train their students in the hazards associated with spatial disorientation during flight.

According to Cliff Loar, FlightSafety

Academy GAT Training manager, "Students are required to complete four lessons in the GAT before they graduate. The training is organized into two VFR and two IFR orientated lessons. In addition to the ETC provided illusions, the Academy has developed several alternative scenarios that create a more typical flight environment where illusions may occur, thus increasing the learning experience for the student."

Spatial disorientation training emphasizes the physiological hazards which pilots could experience. FlightSafety International Academy is the first in Florida to offer this type of advanced pilot training. FAA statistics show that when spatial disorientation is involved in a mishap, nine out of ten of those mishaps are fatal.

ETC recently introduced the GAT-II® family of General Aviation Trainers. GAT-II®s are available in single engine, multi-engine, helicopter, and regional jet versions.

Each GAT-II® supports VFR, IFR, mishap prevention, as well as spatial disorientation training. The motion platform provides roll, pitch, and yaw in response to pilot input. The visual display provides a photo-realistic terrain database and accurate modeling of major cities and terrain features.

About ETC

ETC also designs, develops, installs, and maintains aircrew training systems, process simulation systems (sterilization and environmental), clinical hyperbaric systems, environmental testing and simulation systems, public entertainment systems, and related products for domestic and international customers.

[Source: ETC Press Release; 22 Feb 2003; www.etcusa.com.]

FDA Approves GSK's PEDIARIX™

GlaxoSmithKline (GSK) has announced that its combination vaccine, PEDIARIX™ [Diphtheria and Tetanus Toxoids and Acellular Pertussis Adsorbed, Hepatitis B (Recombinant) and Inactivated Poliovirus Vaccine Combined], received approval from the U.S. Food and Drug Administration (FDA) to be given to infants at 2, 4, and 6 months of age for the prevention of diphtheria, tetanus, pertussis, hepatitis B, and polio. PEDIARIX is the first five-in-one U.S.-licensed vaccine to offer protection against five serious diseases in a three-dose vaccination series. This combination vaccine results in up to six fewer injections for infants, which may reduce infants' pain and discomfort.

PEDIARIX was proven safe and effective in numerous clinical trials worldwide, where 20,739 doses of PEDIARIX were administered to 7,028 infants. In clinical studies, adverse events in infants receiving PEDIARIX included injection-site reactions (pain, redness, or swelling), fever, and fussiness. Administration of PEDIARIX was associated with higher rates of fever relative to separately administered

vaccines. PEDIARIX is contraindicated in infants with known hypersensitivity to any component of the vaccine including yeast, neomycin, and polymyxin B. As with any vaccine, vaccination with PEDIARIX may not protect 100% of susceptible individuals.

For more information on PEDIARIX, please visit www.PEDIARIX.com.

[Source: GSK Press Release; 16 Dec 2002.]

About GlaxoSmithKline

GSK is one of the world's leading research-based pharmaceutical and healthcare companies; it is committed to improving the quality of human life by enabling people to do more, feel better, and live longer.

[Source: GSK Press Release; 8 Jan 2003.]

SPRI Appoints Catherine Strader Executive VP, Discovery Research

Schering-Plough Corporation announced that Catherine D. Strader, Ph.D., has been appointed executive vice president, discovery research, Schering-Plough Research Institute (SPRI), effective Jan. 9, 2003. Dr. Strader will report to Cecil B. Pickett, Ph.D., president of Schering-Plough Research Institute.

Dr. Strader is responsible for directing the activities of the discovery research organization, which includes biological research, chemical research, and technology acquisition and external collaboration. She joined SPRI in 1995 as vice president, biological research, cardiovascular and central nervous system. She was most recently senior vice president, discovery biological research.

About Schering-Plough

Schering-Plough Research Institute is the pharmaceutical research and development arm of Schering-Plough Corporation, a research-based company engaged in the discovery, development, manufacturing and marketing of pharmaceutical products worldwide. [Source: Schering-Plough Press Release; 14 Jan 2003.]

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51^e Congrès International de Médecine Aéronautique et Spatiale

/// ICASM 2003 CIMAS ///

51st International Congress of Aviation and Space Medicine

*Under the auspices of:
The International Academy of Aviation & Space Medicine*



**5 to 9 October 2003, Madrid, SPAIN
5 au 9 Octobre 2003, Madrid, SPAGNE**

Organized by: Spanish Society of Aerospace Medicine (S.E.M.A.)

Web Site: www.icasm2003.org

The scientific program will cover recent advances and current problems in Aerospace Medicine and related sciences. Working sessions comprise plenary lectures, panel discussions, oral and poster free paper presentations.

Call for papers information can be found on the web site.
Deadline for abstracts submissions: **15 June 2003**

Registration and Hotel bookings can also be submitted on line.



Congress Secretariat:

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NEWS OF MEMBERS

Send information for publication on this page to: **News of Members**
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David B. Canton, CDR, MC, USCG, formerly Chief of Health & Safety Integrated Support Command, New Orleans, LA, has been transferred to Norfolk, VA, as Chief of Operational Medicine, USCG Atlantic Area.

Ronald F. Centner, LCDR, MC, USN, Crestview Hills, KY, has retired from the Navy. He had been Senior Medical Officer, Branch Medical Center, NAS Fallon, NV. He received the Meritorious Achievement Medal upon his retirement.

James J. Kennedy, Brig. Gen., USAF, (Ret) has been named Vice President for Medical Affairs of Maricopa Integrated Health System, Phoenix, Arizona, which includes the 550 bed Maricopa County Hospital, an extensive network of multispecialty outpatient clinics, and a health plan. Dr Kennedy leaves Vanguard Health Systems of Nashville where he has been VPMA of Phoenix Baptist Hospital and Medical Director of Vanguard Outpatient Clinics, Inc, all in Phoenix, AZ.

Pamela D. Smith, Maj., USAF, MC, completed her residency in aerospace medicine at Brooks AFB, TX, in 2002 and is currently Chief, Aerospace Medicine at Langley AFB, VA.

Michael D. Stenberg, M.D., FACPE, was named Medical Director of Tri-State Occupational Health in Dubuque, IA, in April 2002. He has been with Tri-State since 1997 and maintains an active clinical practice. He is board certified in Aerospace Medicine and Occupational Medicine. In addition he is a Certified Medical Review Officer and an AME.

New Members

Bacevice, Anthony E., M.D., MSE, Avon Lake, OH
Deng, Qing, Ph.D., Cambridge, MA
Duckworth, Josh L., LT, MC, USN, San Diego, CA
Dukowitz, Tom A., M.D., M.S., Coral Gables, FL
Fox, Christopher W., ENS, USN, Ann Arbor, MI
Hoeksema, Laura J., Albany, NY
Huggins, Karl E., M.S., Avalon, CA
Humilier, Michel J., M.D., Chicago, IL
James, John F., Maj., USAF, MC, San Antonio, TX
Miriani, Matthew J., D.O., St. Louis, MO
Russo, Michael, LTC, MC, USA, Silver Spring, MD
Stewart, James R., Lt.Col, USAF, MC, San Antonio, TX
Weeks, Daniel J., D.O., Mays Landing, NJ
Young, James C., LT, MC, USNR, Pensacola, FL

International New Members

Bradford, Paul, M.D., Windsor, ON, Canada
Chalkley, John C., M.B.,B.S., Mount Isa, Australia
Gonder, Sascha, Innsbruck, Austria

Houde, Jean, M.D., Rouyn-Noranda, PQ, Canada
Mishra, Sudhanshu S., WG, IAF, M.D., Bangalore, India

In Memoriam

[While we in the United States have had much exposure to the lives of our fallen astronauts, there may be those in our international community who would like to know more about our colleagues. I know I speak for the entire association when I express my deepest sympathies to their families and particularly to Jon Clark, who has been a colleague and asset to the journal for many years. Pam Day, Managing Editor]

Laurel Blair Salton Clark

Laurel Blair Salton Clark, M.D., (CDR, MC,USN),NASA



Astronaut, was born in Iowa, but considered Racine, WI, to be her hometown. She was married to AsMA member, Jon Clark, with whom she had a son, Ian. She graduated from William Horlick High School, Racine, WI, in 1979; received bachelor of science degree

in zoology from the University of Wisconsin-Madison in 1983 and doctorate in medicine from the same school in 1987.

During medical school she did active duty training with the Diving Medicine Department at the Naval Experimental Diving Unit in March 1987. After completing medical school, Dr. Clark underwent postgraduate Medical education in Pediatrics from 1987-1988 at Naval Hospital Bethesda, MD. The following year she completed Navy undersea medical officer training at the Naval Undersea Medical Institute in Groton, CT, and diving medical officer training at the Naval Diving and Salvage Training Center in Panama City, FL, and was designated a Radiation Health Officer and Undersea Medical Officer. She was then assigned as the Submarine Squadron Fourteen Medical Department Head in Holy Loch, Scotland. During that assignment she dove with U.S. Navy divers and Naval Special Warfare Unit Two Seals and performed numerous medical evacuations from U.S. submarines. After two years of operational experience she was designated as a Naval Submarine Medical Officer and Diving Medical Officer. However, the Navy did not permit women to serve aboard submarines, so she decided to become a flight surgeon instead. She underwent 6 months of aeromedical training at the Naval Aerospace Medical Institute in Pensacola, FL, and was designated as a Naval Flight Surgeon. She was stationed at MCAS Yuma, AZ, and assigned as Flight Surgeon for a Marine Corps AV-8B Night Attack Harrier Squadron (VMA 211). She made numerous deployments, including one

overseas to the Western Pacific, practiced medicine in austere environments, and flew on multiple aircraft. Her squadron won the Marine Attack Squadron of the year for its successful deployment. She was then assigned as the Group Flight Surgeon for the Marine Aircraft Group (MAG 13). Prior to her selection as an astronaut candidate she served as a Flight Surgeon for the Naval Flight Officer advanced training squadron (VT-86) in Pensacola, FL.

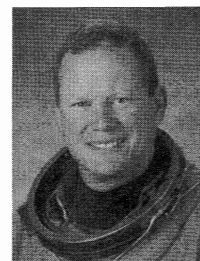
CDR Clark was Board Certified by the National Board of Medical Examiners and held a Wisconsin Medical License. Her military qualifications included Radiation Health Officer, Undersea Medical Officer, Diving Medical Officer, Submarine Medical Officer, and Naval Flight Surgeon. She was a Basic Life Support Instructor, Advanced Cardiac Life Support Provider, Advanced Trauma Life Support Provider, and Hyperbaric Chamber Advisor.

Selected by NASA in April 1996, Dr. Clark reported to the Johnson Space Center in August 1996. After completing 2 years of training and evaluation, she was qualified for flight assignment as a mission specialist. From July 1997 to August 2000 Dr. Clark worked in the Astronaut Office Payloads/Habitability Branch. She was eventually assigned to the crew of STS-107.

She was a member of the Aerospace Medical Association and the Society of U.S. Naval Flight Surgeons. Her honors include three Navy Commendation Medals, the National Defense Medal, and Overseas Service Ribbon.

David M. Brown

David M. Brown, (CAPT, MC, USN), NASA Astronaut, was born April 16, 1956 in Arlington, VA. He graduated from Yorktown High School in Arlington, VA, in 1974; received bachelor of science degree in biology from the College of William and Mary in 1978 and a doctorate in medicine from Eastern Virginia Medical School in 1982. He was a 4 year collegiate varsity gymnast. While in college he performed in the Circus Kingdom as an acrobat, 7 foot unicyclist and stilt walker.



He joined the Navy after his internship at the Medical University of South Carolina. Upon completion of flight surgeon training in 1984, he reported to the Navy Branch Hospital in Adak, AK, as Director of Medical Services. He was then assigned to Carrier Airwing 15 which deployed aboard the USS Carl Vinson in the western Pacific. In 1988, he was the only flight surgeon in a 10-yr period to be chosen for pilot training. He was ultimately designated a naval aviator in 1990 in Beeville, TX,

See BROWN, p. 496

BROWN, from p. 495.

ranking number one in his class. Brown was then sent for training and carrier qualification in the A-6E Intruder. In 1991 he reported to the Naval Strike Warfare Center in Fallon, NV, where he served as a Strike Leader Attack Training Syllabus Instructor and a Contingency Cell Planning Officer. Additionally, he was qualified in the F-18 Hornet and deployed from Japan in 1992 aboard the USS Independence flying the A-6E with VA-115. In 1995, he reported to the U.S. Naval Test Pilot School as their flight surgeon where he also flew the T-38 Talon. Brown logged over 2,700 flight hours with 1,700 in high performance military aircraft. He was qualified as first pilot in NASA T-38 aircraft.

Selected by NASA in April 1996, Brown reported to the Johnson Space Center in August 1996. Having completed 2 yr of training and evaluation, he was eligible for flight assignment as a mission specialist. He was initially assigned to support payload development for the International Space Station, followed by the astronaut support team responsible for orbiter cockpit setup, crew strap-in, and landing recovery. He was eventually assigned to the crew of STS-107.

An Associate Fellow, Aerospace Medical Association, he was a Past President, International Association of Military Flight Surgeon Pilots and member of the Society of U.S. Naval Flight Surgeons, both AsMA Constituent Organizations. His special honors include Navy Operational Flight Surgeon of the Year in 1986, Meritorious Service Medal, Navy Achievement Medal.



Kikuchi



Bosee

Reizo "Ray" Kikuchi

Reizo (Ray) Kikuchi, M.D., Ph.D., AsMA award winner, longtime Fellow Member and a FAA Senior AME at the Tokyo International Airport Clinic, died in February at the age of 78. Dr. Kikuchi served the aviation community for nearly 40 years.

Dr. Kikuchi was presented the AsMA's John A. Tamisiea Award in 1994 for his (then) three decades of dedicated service in civil aviation medicine. He exemplified the international spirit of Aviation Medical Examiners (AME) through his dedication to the art and science of aviation medicine by serving faithfully not only the aviation personnel within his own country, but also the personnel and passengers who sought his assistance and advice while travelling through his part of the world.

A native of Shanghai, China, Dr. Kikuchi graduated from the Showa Medical University of Tokyo in 1949. From 1949 to 1950, he was in internship at Kyosai Hospital, and received his

M.D. in 1950, after passing the National Examination of Medicine. Dr. Kikuchi completed a 5-year residency program in 1955 and went on to earn a Ph.D. in medical jurisprudence from Tokyo Medical University in 1958.

He established a private practice in downtown Tokyo, but, due to his interest in aviation medicine, Dr. Kikuchi moved his office to the Tokyo International Airport in 1963. There he was involved in all aspects of aviation medicine, from treating passengers and administering health programs for airport workers, to performing pilot medical examinations for Japan and many other countries. His son, Dr. Atsuo Kikuchi, who completed the Wright State University RAM program, remains active at the clinic.

Dr. Kikuchi was an active member of the Aerospace Medical Association (AsMA) and the Civil Aviation Medical Association. He was elected member of the International Academy of Aviation and Space Medicine, in 1980, Fellow of the Japan Society of Aerospace and Environmental Medicine in 1988, Fellow of the AsMA in 1989, and a Vice President of AsMA in 1980 and again in 1993. He remained active in aviation medicine and was appointed an advisor to the Airline Owners and Pilots Association-Japan (AOPA-J) in 2001.

Roland A. Bosee

Roland A. Bosee, CAPT, USN(ret), of Port St. Lucie, FL, died in January at the age of 94. An AsMA Fellow, he received the 1966 Harry G. Moseley Award in recognition of his outstanding contributions to flight safety.

A native of Hagerstown, MD, he received his B.A. degree from Temple University, his B.S. in chemical Engineering from Drexel Institute of Technology (now Drexel University), and his Ph.D. in Biochemistry from Syracuse University.

Attention RNs/ Paramedics/ EMTs

The Aerospace Nurses Society's Education and Training Committee, in conjunction with the Air & Surface Transport Nurses Association (ASTNA), is offering an Advanced Trauma Initial and Refresher Course.

The course will be held May 1-3, 2003 in San Antonio, prior to the AsMA Annual Meeting. The fee will be \$200 for military members. Reservists may attend in AT w/approval of their Commander.

For an application visit the Air & Surface Transport Nurses Association homepage at: <http://www.astna.org/FNATC.html>

You can download the registration form there (pay no attention to the fees on the form). Or, you may contact Debbie at the National ASTNA Office: (800) 897-6362. (Master Card, Visa & personal checks accepted). The dates for this course are NOT on the web site, as it is offered strictly for our ANS folks. Details about time and location will be provided by ASTNA. Seats are limited, first come first served.

For further information feel free to contact Dona Iversen at DMI132@aol.com, or (212) 420-4456.

CLASSIFIED ADS

CERTIFICATE OF KNOWLEDGE IN TRAVEL MEDICINE EXAMINATION---The International Society of Travel Medicine (ISTM) will offer a Certificate of Knowledge in Travel Medicine examination in May 2003, before the opening of the 8th ISTM Conference in New York City, May 7-11. For more information: www.istm.org.

He entered the Navy in 1940 and became a naval aviator. After 2.5 years aboard carriers in many of the South Pacific Operations during World War II, he was assigned to the Naval Air Test Center, Patuxent River, MD and then to the newly established Medical Service Corps of the US. Navy, becoming head of the Aviation Physiology Branch. During this period Bosee accomplished much of his work in the evaluation of pilot and safety techniques and devices, including performing parachute jumps to test their design. He performed ejection seat tests, designed aviator helmets and restraint equipment, developed egress procedures, and evaluated automatic positive pressure breathing oxygen regulators. He played a major role in the improvement and test of the Navy's Full Pressure Suit, and designed and supervised the construction of the low pressure chamber used as a tool for "space" investigation of pressure cabin fighter aircraft. He continued to work in the aviation human factors and safety field throughout the remainder of his naval career.

In addition to AsMA, he had been a Fellow of the American Institute of Chemists, and Associate Fellow in the Institute of Aeronautical Sciences, and a member of the American Chemical Society, and the American Association for the Advancement of Science.

Point your mouse to the AsMA home page at: www.asma.org
It's frequently updated with important, new information about your Association.

Reminder for Prospective Associate Fellows

The Chair of the Associate Fellows Group reminds prospective Associate Fellows that their applications must be received by August 1 each year in order to be considered for the annual selection.

Update forms are available from the Associate Fellows Group website: <http://www.homestead.com/ASMA/AFGHO ME.html>

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