Don't you just hate mixed messages?
As I write this, two more of the major U.S. airlines (Delta and Northwest) have filed for Chapter 11 bankruptcy protection, the Space Shuttle programme is again delayed, and for the first time AsMA membership has dropped below 3,000. Yet this gloomy picture is contradicted in the recently published survey by the Valuation and Strategy group of PricewaterhouseCoopers which tells us that the aerospace downturn is over, there are plans for Sir Richard Branson’s Virgin Galactic and SpaceShipOne (SS1) developer Scaled Composites to form a joint venture to manufacture spacecraft for suborbital flight operators, and NASA’s Small Aircraft Transportation System (SATS) research project to free the skies is making great progress.

The real message is that the aerospace world is changing, and we in AsMA have to respond to this change. But actually that is not what we must do – to survive and grow we must anticipate change and be proactive rather than responsive. As I have said previously, membership of AsMA has to be indispensable to anybody associated with the biological or psychological aspects of flight.

Returning to the PricewaterhouseCoopers report, in 2004 revenues increased by about 13% and profits by around 22% for the top 100 aerospace companies compared with 2003. With defence sales remaining strong, it is the recovery in commercial aviation that is driving the improvement. How does that fit with the bankrupt major U.S. airlines? If they are to survive, these companies have no option but to change their business model, to match the thriving no-frills carriers such as SouthWest and Ryanair. The Irish airline Aer Lingus went from near bankruptcy to a profit of €107 million in just 3 years by changing from a bureaucratic old-fashioned company to an efficient customer-focused organisation. British Airways had achieved something similar in the 1980s.

And therein lies the lesson for AsMA. We have got to meet the needs of the membership (the ‘customer’), but we don’t know what your needs are unless you tell us. I keep returning to the theme of communication. We are working to streamline communication within the organisation, but it has to be a two-way message. YOU are the Association - the Executive Director, the Home Office team and the Executive Committee and Council are working on YOUR behalf, and they really do need to understand your needs. We are developing a questionnaire email survey, but you don’t have to wait for that.

Please, let us know what your Association can do for you.
Medical News

Executive Director’s Column

Rayman

ORLANDO 2006

It never ceases to amaze me how fast the year goes by. It seems like we have just returned from Kansas City, or for that matter even from Alaska, and we are already beginning to finalize plans for our 2006 meeting scheduled for May 14 - 18, in Orlando, FL.

A site visit was made by our planning team including also our President, Dr. Michael Bagshaw. I can speak for the entire team by telling you that we were very happy with what we saw. The venue for the meeting will be the Caribe Royale Hotel, which has a number of towers with the Hotel Convention Center located in the middle. For this meeting we will all be under one roof, which facilitates planning and, I believe, makes the meeting a bit more enjoyable for all attendees.

The sleeping rooms that we saw looked very comfortable and modern with easy access to the hotel facilities, including the Convention Center and large swimming pool—in fact, there are two swimming pools. The Convention Center is one of the best that I have ever seen with very spacious hallways and lecture rooms. Everything will be concentrated in one area including the scientific sessions, the poster area, the exhibit hall, and practically all meal functions, including luncheons and evening banquets.

The airport is approximately 20 minutes away by shuttle and the charge roundtrip is $29.00. Of course, a taxi would be considerably more. In addition, there is free parking at the hotel.

The hotel provides free transportation on a scheduled basis roundtrip to the five Disney Theme Parks. Although the closest large shopping center is a few miles away, arrangements can be made to be picked up and returned to the hotel.

Not much can be said about the Scientific Program, yet, because the abstract submission deadline was October 28, with the Program Committee performing its peer review in mid-November. More information will be forthcoming on our website (asma.org) and in my customary letter which goes out in mid January. In the meanwhile, if you have any questions, don’t hesitate to call me.

Be sure to plan to attend the Orlando meeting and, by all means, bring the kids. I hope to see you then.

Associate Fellows-Class of 2006

The following AsMA members achieved Associate Fellowship status and were approved by the Executive Committee during their meeting in September 2005:

V. John Affleck, B.Sc.,MBBS, D.Av.Med.
Arthur A. Arnold, Jr., M.D.
Adrian B. Baker, MBCnB, MSc, MFOM
John B. Charles, Ph.D., B.S.
Kevin P. Connolly, M.D., M.P.H.
Jeanine M. Czech, M.D.
Lt. Col. Paul S. Doan, USAF, MC
Matthew F. Dumstorf, M.D.
Leslie L. Eaton, M.S.
Capt. Rodney A. Friend, USAF, MC
Lt.Col. John A. Gibbons, USAF, MC
Frank R. Glatz, M.D.
Lt. Col. Marc V. Goldhagen, USAF, MC

AsMA MENTORSHIP PROGRAM

AsMA recently established a new Mentorship Program for our younger members. We encourage you to go to our website (www.asma.org) and click on “Members Login.” Once at the Member Home page, click on Mentorship Program. You can sign up as a Mentor or Mentee, or view Participating Mentors—those who have already volunteered to serve. Please take advantage of the great new feature!

NOTICES

November’s History Column is online ONLY!

December 15 is Deadline for Award Nominations!

Go to the AsMA website for details!

Aviation, Space, and Environmental Medicine

Lcdr Matthew W. Hebert, MSC, USNR
Maj. Alden D. Hilton, USAF, MC
Col. Robert Johnson, USAF, MC
Norbert O. Kraft, M.D.
Brian J. Lisher, M.B.B.S.
Lcdr Humphrey Minx, MSC, USN
Maj. Paul H. Nelson, USAF, MC
Felix G. Porras, M.D.
Col. Brian H. Reed, USAF, MC
Daniel W. Repperger, Ph.D.
Adrian Smith, MBMS, DAvmMed
Maj. Pamela D. Smith, USAF, MC
Lt.Col. Wayne K. Sumpter, USAF, MC
Maj. Anthony P. Tvaryanas, USAF, MC
Nathaniel E. Villaire
Maj. Norman S. West, USAF, BSC
Maj. Johann S. Westphall, USAF, MC
Maj. Andrew D. Woodrow, USAF, BSC

AsMA Future Meetings

May 14-18, 2006
Caribe Royale Hotel
Orlando, FL

May 13-17, 2007
Sheraton and Marriott Hotels
New Orleans

May 11-15, 2008
Sheraton and Hilton Hotels
Boston, MA

May 3-7, 2009
Westin Bonaventure Hotel
Los Angeles, CA

CLINICAL AVIATION MEDICINE

Complimentary Copies

Clinical Aviation Medicine, 3rd ed. (Rayman, Hastings, Kruyer, Levy) has been available at no charge since 2000 for all AsMA members. If you have not received your copy, please contact Ms. Gloria Carter (gcarter@asma.org) or Ms. Sheryl Kildall (skildall@asma.org) in our Membership Department.

Where's the Proof?

Evidence Based Medical Certification: an International Challenge

CAMA Sunday, Orlando Florida, with AsMA

Sunday May 14, 2006: 8:00am-Noon

Speakers: ICAO, JAA, UK, Transport Canada, FAA, New Zealand

Don't miss it!
Coordinating large scale operations involving different organizations and countries requires tools and techniques to assess and understand vast amounts of information. Decisions must be made quickly, correctly, and communicated to distant sites without losing a valid understanding of “the big picture.” The development of mature science and technology (S&T) permits a user to migrate seamlessly across a volume of space and time, the perception of the elements in the environment - especially during high workload, uncertain, ambiguous, and time compressed situations. Therefore, improvements are needed in display systems, information management tools, and human-computer interfaces (HCI). Improved systems must support error-free decision processes, improve situation awareness, improve team interactions, and buy time for the team to recognize critical events (6,7). These issues are not unique to combat operations, but apply to any decision-making process. Improvements can be made in the aerospace medicine and human factors communities, e.g., threat/emergency response, telemedicine, bioinformatics, group/team behavior, collaborative processes, ergonomics, human performance, and HCl.

Demonstrators such as CORTEX’s CORTEX-Angel have clearly demonstrated the critical role medical informatics plays when military and humani- tanian organizations interact during emer- gency situations (1). The Collaborative Operations & Responsive Technology Experimentation (CORTEX) program was formulated to address these issues. CORTEX is a Command, Control, and Collaboration Center conceived as an RDT&E effort by the Office of Naval Research (ONR) for incorporation into THIRD Fleet. The name “CORTEX” refers to the cerebral cortex, where complex processing of information takes place. It implies cog- nition and understanding. CORTEX signifies a configurable environment that supports Collaborative activities in Operational and Interoperable Trials. The demonstration

The THIRD Fleet and CORTEX

Estrella M. Forster, Ph.D.  
Former Science Advisor THIRD Fleet  
San Diego, CA

The United States Navy divides responsibility for the world’s oceans into five num- bered fleets. Commander THIRD Fleet (C3F) Area of Responsibility (AOR) encompasses over 50 million square miles of sea area, from the North Pole to the South Pole: from 92° W to the International Date Line. THIRD Fleet’s assets include 72 naval ships, 32 Submarines, 5 Aircraft Carriers, 21 Maritime Patrol and Reconnaissance Aircraft, and over 35,000 person- nel. A major percentage of the overall U.S. trade flows through THIRD Fleet’s AOR, making it critically important to the eco- nomic health of the United States and friendly nations throughout the Pacific region. THIRD Fleet’s responsibilities are: di- rect Fleet operations, train deploying forces, promote theater engagement, and explore new technologies to enhance naval opera- tions.

THIRD Fleet is responsible for the over- sight of all Fleet operations in the Eastern Pacific region. This mission includes continuous monitoring in the defense of the western sea approaches to the United States including Indications & Warnings Watch, Detection & Tracking of Foreign Vehicles, and Sea- borne Counter Terrorism. THIRD Fleet is also the Humanitarian Assistance / Disaster Relief Coordinator within its AOR and is ca- pable of conducting prompt and sustained combat operations at sea to carry out the U.S. Pacific Fleet mission.

THIRD Fleet is also the Operational Agent for Sea Shell in support of the Chief of Naval Operations’ Sea Power 21 (SP21) strategy. Sea Shell entails the development of naval capabilities related to homeland de- fense, sea control, assisted access, and pro- jecting defense overland. By doing so, it pro- tects our national interests with layered global defensive power based on control of the seas, forward presence, and networked intelligence. It uses these strengths to enhance homeland de- fense, assure access to contested littorals and project defensive power deep inland (3).

THIRD Fleet trains naval forces so that they are combat-ready, principally in prepara- tion for deployment to the THIRD, FIFTH, and SEVENTH Fleets’ AOR. This training is accomplished through a series of exercises including events with allied naval units. Training takes place in a regimented ap- proach and culminates in a certification by the Commander, which signifies the strike group and its members are prepared for de- ployment.

THIRD Fleet is also responsible for the Navy’s theater engagement policy in the Eastern Pacific and regularly interacts with forces from other Pacific nations. C3F staff includes international military service mem- bers who facilitate collaboration with U.S. coalition partners. Together in peacetime, nations build confidence in one another’s capabilities, which enable effective coalition operations when demanded by real- world events” (C3F).

THIRD Fleet promotes the Navy’s trans- formation concepts by partnering with and encouraging academia, industry, and gov- ernment laboratories to develop and field in- novative concepts and technologies for demonstrion and evaluation through Sea Trial, one of the components of SP21. Sea Trial is “…a continual process of concept and technology development through fo- cused war games, experiments, and exer- cises. It strengthens the Navy’s culture of in- novation and accelerates the delivery of enhanced capabilities to the Fleet” (2,3). Under this role, THIRD Fleet facilitates the integration of mature Science and Technology (S&T) products onboard Fleet as- sets.

In executing these Command and Control operations, decision-makers are exposed to massive quantities of data. Current-genera- tion information systems and displays are often not adequate for conveying informa- tion - especially during high workload, un- certain, ambiguous, and time compressed situations. Therefore, improvements are needed in display systems, information management tools, and human-computer interfaces (HCI). Improved systems must support error-free decision processes, improve situation awareness, improve team interactions, and buy time for the team to recognize critical events (6,7). These issues are not unique to combat operations, but apply to any decision-making process. Improvements can be made in the aerospace medicine and human factors communities, e.g., threat/emergency response, telemedicine, bioinformatics, group/team behavior, collaborative processes, ergonomics, human performance, and HCI.

Demonstrators such as CORTEX-Angel have clearly demonstrated the critical role medical informatics plays when military and humani- tanian organizations interact during emer- gency situations (1). The Collaborative Operations & Responsive Technology Experimentation (CORTEX) program was formulated to address these issues. CORTEX is a Command, Control, and Collaboration Center conceived as an RDT&E effort by the Office of Naval Research (ONR) for incorporation into THIRD Fleet. The name “CORTEX” refers to the cerebral cortex, where complex processing of information takes place. It implies cog- nition and understanding. CORTEX signifies a configurable environment that supports Collaborative activities in Operational and Interoperable Trials. The demonstration

***********
Fourth Symposium of the Greek Aerospace Medical Association (an AsMA affiliate): Short Report
by Mary Anne Frey, Ph.D.

The Fourth Symposium of the Greek Aerospace Medical Association was held on the Island of Oinousses, September 1-4, 2005. The organizing committee was chaired by Dr. Chrysoula Kourtidou-Papadeli, President of the Greek Aerospace Medical Association, Chair of the International Committee of the Space Medicine Branch, and graduate of the Wright State University Aerospace Program. It was hosted by Mayor Evangelos Angelakos and other residents and facilities of the island.

Both aviation and space medicine were addressed, and the symposium provided opportunities for scientific interaction among the participants as well as a full day of formal presentations. Dr. Peter Diamandis, Chairman and CEO, Zero-gravity Corporation, described his vision for "Humans in Space" in the Keynote Address. Among the topics and presenters of the formal presentations were the following.

Panel I

Dr. Valery Polyakov, Cosmonaut: The Bio-medicalfacility of the manned flight to Mars Dr. Jean Michel Contant, Secretary General IAA: International Academy of Astronautics: Role in space medical research Dr. Didier Schmitt, Head, Life Science Unit, ESA: ESA life science program Dr. Daglis from the General Secretary of R&D, Greek Ministry of Development: Greece joins ESA - Opportunities for medical space research Lazanos Ch. Papadelis, Judge: Aerospace law and legal problems in space

Panel II

Dr. Rupert Gerzer, Director, German Aerospace Center, Institute of Aerospace Medicine: Telemedicine applications Dr. Panagiotis Bamidis, Aristotle University: Greek tele-health care

Panel III

Dr. Iorg Siedenburg, LSST(M), JAA: HIV infection in the European pilot population Dr. Robert Hunter, U.K. Civil Aviation Authority: Aeromedical Centre in U.K. Dr. Konstantinos Kafaldis, Chief Medical Examiner of the Hellenic Civil Aviation Authorities: Application of FCL3 in Greece

Panel IV

Dr. Mary Anne Frey, Professor, Wright State University and University of Houston (NASA JSC): Careers in Aerospace Medicine Dr. Ioan Vernikos, Former Director of NASA Life Sciences: Space medical research applications and benefits Dr. Antonios Kyparoussis, University of Thessaly and Aristotle University: Kyparoussis reported on muscle research conducted while he was a post-doctoral fellow at the University of Houston (NASA JSC)

Dr. Chrysoula Kourtidou-Papadeli, Director, Aeromedical Center "IASI" in Thessaloniki: Hypergravity, special applications in ageing and children with disabilities

Additional presentations were given in Greek.

In addition to the speakers, the audience consisted of physicians and others from the aerospace medicine community of Greece and elsewhere; students; media; and local residents, including the mayor, with interest in the topics presented. On September 5, several of the presenters met with a group of school children, during which many questions were addressed to Cosmonaut Valery Polyakov. In addition, informal talks were presented on Greek history and geography. The meeting also provided opportunity for in-depth analysis of Greek culinary science.

MEETINGS CALENDAR 2005


September 10-14, 2006, Bangalore, India. 54th International Congress of Aviation and Space Medicine. This meeting is being hosted by the Indian Society of Aerospace Medicine. A preliminary registration form may be found at http://www.isam-india.org/conference44/newreg.php.

OCCUPATIONAL HEALTH

Occu-Health, Inc. seeks a Full-Time Family Practice Physician to do Occupational & General Sick-call health maintenance, physical and medical care to NASA Stennis Space Center government workforce population.

Qualified candidates must have current ACLS certification & experience in emergency, internal, or occupational medicine. Submit cover letter with salary history & copy of license to OHI. Email: ohi@ohi-corp.com; fax: (859) 873-7982. EOE.
Certification in Aerospace Physiology

Board Certification in Aerospace Physiology will be offered in May 2006 in Orlando, Florida, during the 77th Scientific Meeting of the Aerospace Medical Association. For qualified applicants who meet the prerequisites for candidacy and successfully complete the examination, board certification is among the most rewarding professional achievements in a scientist's career. To simply say that it is important for an aerospace physiologist to obtain professional certification is not a complete statement. To fully appreciate the value of the designation, one needs to understand why the Aerospace Medical Association established board certification in Aerospace Physiology in the first place.

A secondary reason to seek board certification is more obvious; to provide an avenue for professional and peer recognition. As an aerospace physiologist, the associated professional organizations are AsMA, the Aerospace Physiology Society (AsPS), and service-specific collectives such as the Society of U.S. Naval Aerospace Physiologists (SUSNAP). AsMA is the certifying body in aerospace physiology, and successful completion is recognized every year during the AsPS luncheon at the AsMA annual scientific meeting. As of May 2005, 125 successful candidates have earned the respect of their professional peers and their governing organizations.

Finally, board certification serves as a goal that members can strive to attain through dedicated self-study and personal and professional contributions to the AsMA and AsPS. However, eligibility is not simply limited to individuals who possess the necessary academic backgrounds. Perhaps the most significant prerequisite is demonstrated interest, participation, and contribution to the field of aerospace physiology over a period of at least 5 years. Relevant education, experience, and professional contributions are each fundamental requirements leading to board certification. Board certification in aerospace physiology says that a scientist takes the aeromedical profession seriously.

Eligibility to sit for the examination requires a minimum of a baccalaureate degree in physiology, or a closely related life science with significant study in human physiology. The requirement for professional productivity stipulates a minimum of five years of professional experience and training in aerospace physiology following awarding of the degree. Other factors considered by the admissions committee include relevant positions held, research, flying experience, academic and military awards, and membership in associated organizations (e.g., AsMA and AsPS). A minimum of two letters of recommendation are also required for each applicant.

Applications who satisfy all of the eligibility requirements will be subsequently confirmed as candidates by the Admissions Committee to sit for the certification examination. For the 2006 exam, the Chairperson of the Admissions Committee will notify eligible candidates not later than March of their admission to the examination and provide them with information on the examination process. Included in that communiqué will be current references, subject test areas, and sample questions. Based on the comprehensive nature of the examination, preparation by applicants should begin early irrespective of the date of notification.

The Aerospace Physiology Certification Board will administer the certification examination at the 77th Annual Scientific Meeting of the Aerospace Medical Association in Orlando, Florida, Sunday, 14 May 2005. The examination, which is offered in English only, will contain questions covering various aspects of the field of aerospace physiology. There are three Society awards presented each year. The chance to contribute to the success and quality of the annual AsMA conference. The Society’s Education and Training Day has been one of the most widely attended sessions during the annual conference. Membership is only $10. For more information, please contact Joe Essex at joseph.essex@navy.mil, or write to:

LCDR Joe Essex, MSC, USN
BLDG 2272 Suite 345
47123 Buse Rd
Patuxent River, MD 20670

Air Force Nursing Services Chronology Published

“A Fit, Fighting Force: The Air Force Nursing Services Chronology” by Mary C. Smolenski, Donald C. Smith, Jr., and AsMA member James S. Nanney, has been published by the Office of the Air Force Surgeon General, Washington, DC. It was published in conjunction with the 100th anniversary of flight.

The 69-page illustrated booklet contains a list of highlights and turning points in USAF nursing history, as well as a chronology by decade and many appendices with lists of Air Force Surgeons General, Nurse Corps Chiefs, Nursing Awards and awards winners, including the AsMA Awards, and much more. The CPO # is 2005-310-132/25502.
Message from Our President - Trish Trifilo

Wing members are wonderful people! I have always been impressed with the outpouring of compassion, words of encouragement, prayers, and phone calls given to members at times of celebration, and at times of personal loss and tragedy. My e-mails are filled with that information all the time, and I thank all of you for it. Our Wing membership is a great thing. We now number around 200, with an average of 80 members attending meetings.

To maintain our membership we must nurture it. In my academic world, we worry about the attrition of students; those who drop out or choose not to return to school. Attrition means to wear down, or gradually diminish by constant stress. One way to nurture our membership is to guard against attrition.

We have new members who come for a year or two and then stop attending our meetings. Why is that? Sometimes, as with some of our International members, their spouses have limited associations with AsMA and leave after a few years. Sometimes it is due to family pressures of children, schooling, and finances. Sometimes, unintentionally, we fail to make someone welcome or part of the group. While we cannot do much about business, finance, and family, we certainly can do something about welcome. Some of the techniques we use in the University to prevent attrition are: remembering and using the person’s name, acknowledging their ideas and verbal contributions, inviting them to participate in activities, giving them responsibility or a degree of ownership in the class. I also try to be aware of any crisis that might arise in their busy lives.

To combat attrition in our membership we can use some of these same techniques. Sit with new members on the tour buses or at the luncheon tables. Include them in your conversations and discussions. We should involve our new members in Wing activities as soon as possible because participating in even small jobs can give a person a sense of belonging. Listen to their ideas for future meetings. Let’s contact new Wing members throughout the year with an e-mail or a phone call and make them feel special. They are our future. Let’s not let the Wing membership wear down or diminish.

Wing Members Attend International Congress

By Harriet Hodgson

The Wing was well represented at the 53rd International Congress of Aviation and Space Medicine held in Warsaw, Poland, August 28-September 1, 2005. According to Membership Chair Judy Waring, 21 Wing members came to the meeting. Before the meeting started Helen Lestage gathered a group together and we went to hear “Chopin in the Park,” a free piano concert for the public.

John and I had several tours to choose from: Mozovian Country tour, a tour of Cracow, a city more than 1,000 years old, and a tour of Auschwitz, a former Nazi concentration camp in World War II. We choose the country tour because it included a visit to Chopin’s birthplace, a charming home set in a garden of blooming hosta, geraniums, and roses.

Mid-week we toured the Military Institute of Aviation Medicine, founded in 1928. The Institute has a Scientific and Didactic Center, Aeromedical Training Division, Medical Assessment and Occupational Medicine Center, and a small clinic. We saw altitude chambers, a night vision training room, and the Institute’s history museum.

The Academy Dinner was held at The Best Western Mazurkas Hotel. We were welcomed with flutes of champagne and accordion music. Dinner featured such an array of foods that it was served buffet style. Waiters, carrying tray after tray of desserts, paraded around the dining room to the music of “Star Wars.” (Keep this in mind for your next dinner party.)

The Congress ended with a Gala Dinner at the Palace of Culture and Science, a stark building designed by a Russian architect. Appetizers were served and then we were entertained by Mazowsze, a national ensemble of talented singers and dancers. Dinner resumed after the entertainment. Dr. Eric Donaldson, President of IAASM, thanked the organizing committee members for their efforts and welcomed Dr. Frank Pettyjohn as the new President.

John and I stayed an extra day so we could go to Cracow. We toured Old Town and the Wieliczka Salt Mine, an underground network of tunnels, lakes, and rooms decorated with salt sculptures. I walk regularly, but descending more than 1,000 steps made my legs ache. Fortunately, I didn’t have to walk up the steps. A miners’ elevator took us to the surface in less than a minute. The elevator didn’t have any lights and the shaft was black as ink, so I was glad I had brought a flashlight along.

For me, the highlight of the trip was hearing the concert in the park. The scene was straight out of a movie. At the end of a long reflecting pond there was a statue of Chopin. The grand piano, under a curved canopy, was to the right of the statue. And people—some 3,500 of them—filled the park. As the piano notes drifted in summer air a shiver went down my spine. I felt like I was listening to Poland’s soul.

Join the Wing!

A few years ago, when we were living in Rochester, MN, we were neighbors of John and Harriet Hodgson. One day Harriet said to me, “Dale, why don’t you ever come to the AsMA meetings?” Well, like most of our AsMA members, my husband Bob belongs to a gamut of different organizations, and we make the yearly circuit attending numerous meetings all over the country, where he is off to the scientific sessions leaving me to explore the host city on my own. Making a wry face, I responded to Harriet with ‘Another meeting, - oh, Harriet, I don’t think so!’ “No, no, Dale, AsMA is different - we have the Wing!” And Harriet was correct, for AsMA is indeed unique. Not only does it present a wonderful scientific program for its members, along with a terrific social agenda of dinners and receptions - it has THE WING!!

First formed in 1952, “to support the specialty of aviation, aerospace and environmental medicine” and “to promote and increase sociability among the members of AsMA and their families,” the Wing provides a wonderful opportunity to meet new friends from around the world, while exploring many new and exciting cities. Next year, we will be meeting in Orlando, FL, and the year following, New Orleans. News of our activities can be found on this page throughout the year. We encourage all of our members to attend, and if possible, to bring a new friend. And to those AsMA members reading our page, please, BRING THAT JOURNAL HOME - GIVE IT TO YOUR SPOUSE!! We look forward to greeting them at our next meeting. Dues are just $20 per year. For further information, contact Judy Waring, 4127 Kenyon St., Seattle, WA 98136; (206) 933-0884; e-mail: judywaring@comcast.net

ICASM 2005—Caroline Jensen, Nonja Bisgard, and Marilyn Brath enjoy the tour of the Military Institute of Aviation Medicine in Warsaw.

CONCERT IN THE PARK--After the Chopin piano concert, Wing members gather for a walk in the park.
NEWS OF MEMBERS

Maj. Norman West, USAF, BSC, is currently a student at the Air Command and Staff College, Maxwell AFB, Montgomery, AL. He was previously Aerospace Physiological Training Flight Commander, Health and Wellness Center Flight Commander, and Fairchild AFB installation Exercise Physiologist, 92d Medical Group, Fairchild AFB, Spokane, WA. He was recently awarded the Air Force Meritorious Service Medal with 3 oak leaf clusters.

Obituary Listing

Jacques Martin Lindauer, M.D., Fresno, CA, died in May at the age of 89. He was an FAA Aviation Medical Examiner for many years and a former member of AsMA.

New Members


STANDARD STATEMENT OF OWNERSHIP, MANAGEMENT AND CIRCULATION

(Applied by 39 U.S.C. 3685)

1. Title of Publication: Aviation, Space, and Environmental Medicine.
2. Publication No. 0095-6562
3. Date of Filing: September 16, 2005
4. Frequency of Issue: Monthly
5. No. of Issues Published Annually: 12
6. Annual Subscription Price: $195
7. Complete Mailing Address of Publisher: Aerospace Medical Association, 320 S. Henry St., Alexandria, VA 22314-3579
8. Same as #7
10. Owner: Aerospace Medical Association, 320 S. Henry St., Alexandria, VA 22314-3579
11. Known Bondholders, Mortgages, and other Security Holders Owning or Holding 1 Percent or More of Total Amount of Bonds, Mortgages, and Other Securities: None
12. For Completion by Nonprofit Organizations Authorized to Mail at Special Rates: The purpose, function, and nonprofit status of this organization and the exempt status for Federal income tax purposes has not changed during the preceding 12 months.
13. Publication Name: Aviation, Space, and Environmental Medicine
15. Extent and Nature of Circulation: 

<table>
<thead>
<tr>
<th>Description</th>
<th>Ave. No. Copies Each Issue</th>
<th>During Preceding 12 Months</th>
<th>No. Copies of Single Issue Published Nearest Filing Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Total no. copies</td>
<td>3738</td>
<td>3640</td>
<td></td>
</tr>
<tr>
<td>b. Paid circulation</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. Paid/requested outside county mail subscriptions</td>
<td>2282</td>
<td>2228</td>
<td></td>
</tr>
<tr>
<td>2. Paid in-county subscriptions</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>3. Sales through dealers and carriers, street vendors, and counter sales</td>
<td>941</td>
<td>957</td>
<td></td>
</tr>
<tr>
<td>4. Other classes mailed through USPS</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>c. Total paid/requested circulation</td>
<td>3223</td>
<td>3185</td>
<td></td>
</tr>
<tr>
<td>d. Free distribution by mail:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. Outside county</td>
<td>55</td>
<td>55</td>
<td></td>
</tr>
<tr>
<td>2. In-county</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>3. Other classes mailed through USPS</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>e. Free distribution outside the mail</td>
<td>25</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>f. Total free distribution</td>
<td>80</td>
<td>80</td>
<td></td>
</tr>
<tr>
<td>g. Total distribution</td>
<td>3303</td>
<td>3265</td>
<td></td>
</tr>
<tr>
<td>h. Copies not distributed</td>
<td>435</td>
<td>375</td>
<td></td>
</tr>
<tr>
<td>i. TOTAL</td>
<td>3738</td>
<td>3640</td>
<td></td>
</tr>
<tr>
<td>Percent Paid and/or Requested Circulation</td>
<td>97.6%</td>
<td>97.3%</td>
<td></td>
</tr>
</tbody>
</table>
Aerospace Medical Association

Corporate and Sustaining Members

The financial resources of individual members alone cannot sustain the Association’s pursuit of its broad national goals and objectives. Its 75-year history is documented by innumerable medical contributions toward flying health and safety that have become daily expectations by the world’s entire flying population—commercial, military, and private aviation. However, support from private and industrial sources is essential. The following organizations, who share the Association’s objectives or have benefitted from its past or current activities, have affirmed their support of the Association through Corporate Membership.

Aeromedic Innovations
Air Canada
Aircraft Owners and Pilots Association
Air Line Pilots Association
AirSep Corporation
American Airlines, Inc.
Autoflug Libelle GmbH
Aviation Medicine Center at UTMB
Baxter Healthcare Corporation
Carleton Life Support Systems Inc.
David Clark Company, Inc.
Education Enterprises, Inc.
Environmental Tectonics Corporation
Essilor of America/Varilux
Gentex Corporation
International Federation of Air Line Pilots Associations
Japan Airlines
Korean Air Force Safety Center (AFSC)
Lockheed Martin Corporation
Martin-Baker Aircraft Company Ltd.
Mayo Clinic College of Medicine
MedAire, Inc.
Monash University/Alfred Hospital
Pilot Medical Solutions
SAIC
Sanofi-Aventis Pharmaceuticals
Stereo Optical Company, Inc.
United Airlines
United States Aviation Underwriters
Universities Space Research Association (USRA-DSLS)
Harvey W. Watt & Company
Wyle Laboratories, Inc.