

President's Page

Colleagues and Friends,

During the past few months, I've been asked about the theme of our upcoming Scientific Meeting in Los Angeles: "The Future is Not What It Used to Be". This wonderful turn of phrase originated as the title of a brief given by the late Arthur C. Clarke, prolific author of science fact and science fiction classics that have been read by millions throughout the world. Whilst I cannot recall his exact words after so many years, I do remember that Mr. Clarke was alluding to the notion that no matter how hard we attempt to direct our futures, there are countless variables that change the many paths on which we find ourselves. Indeed, Mr. Clarke himself wrote of commercial space travel to in-orbit hotels, moon bases, and journeys to the outer solar system that were to have taken place by 2001. Hindsight now reveals that some 7 years later, we are only beginning to explore commercial space travel, and we have yet to return to even our own moon. The futures that were being described in the 1950s, 60s and 70s have been substantially altered.

Propulsion systems, life support, protective suit design, air and spacecraft structures, weapons...all of these variables associated with aerospace look today very different from those discussed many years ago. The types of individuals who were considered best suited for air and space exploration back in those heady days are not necessarily the same types of individuals being selected as crewmembers today. It was not necessarily anticipated that the strides in aerospace medicine and human factors would today permit us to integrate humans and their systems in such a manner so as to reduce the nature and scope of human factors failures whilst expanding human capabilities. Granted, the futurists of the 1960s and 1970s wondered about the melding of humans and computers in such a symbiotic manner so as to facilitate better shared decision-making in high workload environments. However, it was not widely accepted that the augmented cognition resulting from sophisticated technologies and the increased understanding of how humans and their systems interact could turn speculation into reality. Yet, it is happening today. One sees this, for example, in training



Andrew H. Bellenkes, Ph.D.

devices that are being developed to immerse users into a virtual world such that transfer of training is both highly effective and enduring.

Another example can be seen in terms of the commercialization of space travel. It was always considered that after the initial heyday of exploration, just about anyone could fly in space on-board commercial transports, quite without constraint. In reality, it is the work of today's AsMA members that have pioneered the creation and implementation of medical standards for the passengers and crews of vehicles who will fly beyond the constraints of the atmosphere.

It was also the contention of futurists that automation would be the panacea for all human ills, especially in hazardous environments. It has taken the work of today's human factors professionals to demonstrate that with increased automation comes the risk of new types of human factors failures associated with increased automation (e.g., loss of mode awareness). The error-inducing impacts of the workload-technology paradox were not predicted. Our future employing automation in air and spacecraft is indeed, not what it used to be.

In reviewing the presentations and posters that you will see and hear in Los Angeles this May, I am struck as to how our members are continuing to create new and exciting futures, the nature of which our predecessors could not have dreamt. As we now in the course of our aeromedical professions attempt to foresee the unknowns that challenge our paths forward, it remains ironic to note that those who follow us will likewise be a part of an unanticipated and very exciting future.

Association News

Executive Director's Column



Rayman

Succession

In mid 2007, I had made the decision for personal reasons to retire from my position as Executive Director of AsMA, which I have held since February 1992. Subsequently, I submitted a letter to this effect informing the then President, Dr. Jack Hastings, that I planned to retire January 2, 2009. He then established a Search Committee tasking it to find and recommend a suitable candidate to Council. Since then, a number of applicants for the position have been vetted and interviewed. However, at the time of this writing, a selection to replace me has not yet been made.

When I had been selected some years ago to succeed Dr. Rufus Hessburg for this position, I do recall it took about two years for the process to play out. Therefore, I knew it would again take some time to find a replacement for me. At the time of this writing the search continues, although I have informed the President, CDR Bellenkes, that I will stay on beyond my intended retirement date of January 2nd in order to assure a smooth transition. Furthermore, my personal situation has changed, allowing me more flexibility. Until a new Executive Director is selected, I do not intend to play the role of a lame duck. I will continue working as your Executive Director at the same level as I have since 1992. It has been a great honor and I might say a very enjoyable experience to serve as your Executive Director. I do look forward to the day when a suitable candidate will be selected.

Highlights of the AsMA Council Meeting

The following are some of the highlights of the AsMA Council meeting, held November 19, 2008, at the Holiday Inn Eisenhower Ave., Alexandria, VA.

During the report on finances, the Treasurer, Dr. Merchant, reported that the Watts Group had been selected as our new CPS since our current CPA has retired. The Treasurer also reported that the Boston meeting was a great success with a net of \$305,000. This is well above our 7-year average for our meetings which was \$259,000. Our investments are divided into three revenue sources: cash, money market, and CDs. And, so far, we are in excellent shape, having lost only a small

fraction of what we might have lost in the current market. The Treasurer presented the 2009 budget, indicating that there will be a deficit of \$37,000, although this does not take into consideration any gains from investments or supplements. A motion carried to approve the 2009 budget as presented.

The Executive Director (ED) informed Council that our attorney continues to work on our application for 501(c)3 IRS status. We have several different funds that might be used for the AsMA Foundation: the ED reported that there is documentation in the Home Office that the President's fund can be used for any purpose; the Fellow's Chair, Dr. Anderson, will ask the Fellows Group for permission to put monies from the Fellow's Fund in the AsMA Foundation; and regarding the Reinhartz Fund, our Attorney will investigate our options for accessing those funds.

In the Editor's report Dr. Nunneley informed Council that she will be retiring at the end of 2009 and her assistant, Sarah Rubio, will retire some time in 2010. Both have expressed a willingness to train their replacements. It was also announced that there is one supplement in the works at this time.

The Managing Editor, Ms. Day, reported that we are continuing to work with Mira to put the journal archives online with LibrarySmart. The News section has been online since last April.

Concerning the Annual Meeting, the ED announced that the Boston meeting according to our evaluation forms was extremely successful, with sessions rating an average of 4.2 out of a possible 5. 44% of the attendees rated the meeting outstanding and 45% rated it very good. There were a number of kudos regarding the hotel, restaurants, and other amenities.

The Scientific Program Chair, Dr. Scarpa, reviewed his planning activities for the Science Program Committee meeting: 467 abstracts were submitted for peer review. Ultimately 16 were rejected.

The ED and the Chair of the Education & Training committee met with ACCME inspectors in their Chicago office for our quadrennial inspection. We will find out the results of the inspection in the March/April time frame.

We were informed that the AMA requires 25% of its U.S. physicians rather than 35% to be members of the AMA in order to qualify for the House of Delegates. We have completed our AMA recruitment campaign and hope that we have made that level. We will shortly be so informed by the AMA.

In other committee reports it was noted that an internet CME program is currently being developed by Dr. Mork and another Journal MOC/CME feature is under consideration. An Ad Hoc Committee was formed to prepare a position paper on medical standards for commercial space pilots. That report is forthcoming.

In his report on Membership, Dr. Myers described several membership strategies. A major effort is underway to get meeting attendees who are not AsMA members to join. Since 2001, we have lost about 500 members.

Our total membership as of January 2008 was 2,859: 1,700 were physicians worldwide and 1,080 were U.S. physicians. Efforts are underway to complete the aerospace medicine slideshow, which can be used as a recruitment tool.

Dr. Sides announced there were 50 Corporate and Sustaining members with 50 additional prospective members. She and her committee will continue working this. The C&S Affiliate will recognize a student who published the best paper during the year.

Three organizations have applied for Affiliate status: the Aerospace Dental Association, the Middle East Society of Aerospace Medicine, and the International Commission of Medicine and Physiology. Their Bylaws had been vetted by the ED and found to be consistent with those of AsMA. A motion for each was made, seconded, and approved to grant affiliate status to these three groups. In a related discussion, ESAM has invited AsMA to become an Affiliate of that organization. The intention is for us to join as an Affiliate and then to enter in a dialogue with ESAM on areas of common interest.

The full Council minutes are available from the Home Office and online at www.asma.org.

MEETINGS CALENDAR 2009

February 2-6, 2009; Medicine in Challenging Environments; Galveston, TX. Pushing the Envelop/Operational Aeromedical Problems Course. Info: www.trueresearch.org/mice

February 11-14, 2009; Preventive Medicine 2009; Los Angeles, CA. Info: Haydee Barno (202)466-2044x103; hbarno@acpm.org; www.acpm.org

March 24-26, 2009; 2009 International Conference on Fatigue Management in Transportation Operations: A Framework for Progress; Boston, MA. Hosted by the U.S. Department of Transportation's Human Factors Coordinating Committee under its Operator Fatigue Management Program. Info: <http://hfcc.dot.gov/ofm/>

April 26-29, 2009; American Occupational Health Conference; Manchester Grand Hyatt, San Diego, CA. For more information: www.acoem.org; e-mail: education@acoem.org.

June 25-27, 2009; Undersea & Hyperbaric Medical Society Annual Scientific Meeting; Crowne Plaza Los Cabos Grand Faro Beach Resort, Mexico. Info: Lisa Tidd/Stacy Rupert uhms@uhms.org; www.uhms.org

It's here! The entire journal archives from the DVD plus the last 5 years live online through LibrarySmart! check the AsMa website for details and links.
www.asma.org

Proposed Changes to the By-Laws of AsMA

In accordance with Article XII of the Bylaws of the Aerospace Medical Association, the following proposed changes to the Bylaws are printed herein. They will be voted upon at the next Annual Business meeting, to be held Tuesday, May 5, 2009 at the West Bonaventure Hotel in Los Angeles, CA. The meeting is open and all members are encouraged to attend (no lunch purchase is necessary to participate in the meeting).

The omissions are listed as strikethroughs. The additions are bold and underlined. The rationale for the changes is listed separately after each proposed change.

ARTICLE V. OFFICERS

SECTION 2. President.

The President shall chair all meetings of the Council of the Association and the Executive Committee. ~~He~~ **The President** shall appoint chairs of Association committees unless provided otherwise in these Bylaws. The President has the authority and obligation to provide specific tasking to committees and other functionaries doing work for the Association. The President is an ex officio member of all Standing Committees except the Nominating Committee. **In the event an officer or elective member resigns, is incapacitated, or is otherwise unable to act, the President may appoint, with approval of the Executive Committee, an acting officer or elective member to perform those duties until the next annual meeting or for the period of the incapacity.**

SECTION 5. Secretary.

The Secretary shall be responsible for reviewing the minutes of the Council and Executive Committee meetings and shall perform those duties as directed by the President. The Secretary shall have other duties usually performed by a Secretary which are not accomplished by the home office staff. ~~In the event the Secretary resigns, is incapacitated, or is otherwise unable to act, the President shall appoint an acting Secretary to perform the duties of that office until the next annual meeting or for the period of the incapacity.~~

SECTION 6. Treasurer.

The Treasurer shall have duties usually performed by a Treasurer and shall perform those duties as directed by the President, Council, or Executive Committee. The Treasurer shall be the chair of the Finance Committee and custodian of all monies and securities and hold same subject to the direction and disposition of the Executive Committee under the direction of the Council. The Treasurer shall perform the duties in cooperation with the Executive Director. ~~In the event the Treasurer resigns, is incapacitated, or is otherwise unable to act, the President shall appoint an acting Treasurer to perform the duties of that office until the next annual meeting or for the period of the incapacity. The Treasurer shall be bonded in an amount approved by the Executive Committee.~~

Rationale: Removes gender specificity of the President. Standardization of procedures for appointment of acting officers.

ARTICLE VI. Executive Director.

SECTION 2. Duties

D. The Executive Director shall, with the Treasurer, prepare a budget covering estimated annual expenses, to be submitted to the Council for adoption, ~~and shall prepare a financial statement at the end of the term of office which shall be audited by a certified public accountant.~~

And

ARTICLE XIV. FUNDING AND FINANCES.

SECTION 2. Finances.

D. Audit: An audit shall be made by a certified public accountant **at a frequency and time described in the Policy and Procedures Manual.** The audit shall be submitted to the ~~Council~~ **Executive Committee** at its meeting prior to the annual meeting of the Association. The report of the audit shall be ~~presented~~ **made available to the membership** at the annual business meeting of the Association.

Rationale: Audit procedures to be consolidated in ARTICLE XIV FUNDING AND FINANCES. SECTION 2. Finances.

ARTICLE VII. COUNCIL OF THE AEROSPACE MEDICAL ASSOCIATION AND EXECUTIVE COMMITTEE

SECTION 3. Powers of the Council.

G. The Council may, at any time, on its own initiative, propose resolutions to be considered at the annual meeting of the Association.

~~G-H.~~ The Council shall perform such other duties as provided by the Bylaws.

Rationale: Gives Council additional power to create Resolutions for consideration at the Annual Meeting. It allows potentially quicker response in some cases and is not intended to dilute the responsibilities of the Resolutions Committee. It also allows major modification of a resolution submitted by the Resolutions Committee after discussion in Council to allow the resolution to move forward more expeditiously.

SECTION 5. Executive Committee.

D. The Executive Committee shall be responsible to the Council for the program of the scientific sessions. The Executive Committee shall ~~rule on the acceptance of exhibits for the annual meeting~~ **follow the guidelines in the Policy and Procedures Manual for review and acceptance of proposed exhibits for the annual meeting.**

Rationale: Moves guidelines for action to the more flexible Policy and Procedures Manual.

ARTICLE VIII. ORGANIZATIONS

SECTION 1. Constituent and Affiliated Organizations.

B. Qualifications:

~~(2) A Constituent Association must have a minimum of 100 members. All members of the Constituent Association shall be members of the Aerospace Medical Association.~~

(2) A Constituent Organization must have a minimum membership equivalent to 2% of the active membership of AsMA as determined and communicated in accordance with the Policy and Procedures Manual. All members of the Constituent Association shall be members of the Aerospace Medical Association.

Rationale: Creates a membership-based metric to evaluate strength of a Constituent Organization instead of a single number and stipulates details to be placed in the Policy and Procedures Manual.

ARTICLE X ELECTIONS

~~Elections shall be held at the annual business meeting of the Association. Only active members in good standing shall be entitled to vote in the election of officers and members of the Council. These shall be elected by a majority vote of~~

those voting members present at the annual business meeting. If there is more than one nominee for an office, the nominees shall be excused and the vote shall be by show of hands.

Section 1. Frequency. Elections shall be held annually for the positions of President-elect, Secretary, Treasurer, projected Vice President vacancies, and for four members-at-large of the Council.

Section 2. Voting eligibility. All active members in good standing shall be eligible to vote with the exception of honorary members, emeritus members and corporate and sustaining members.

Section 3. Voting procedures. Voting shall be conducted by electronic or written ballots received not later than 30 days prior to the annual meeting. Election results shall be certified by the executive director with concurrence of the elections committee. Election results will be revealed at the annual meeting.

Section 4. Competitive elections. All elective positions must be decided based upon a competitive process. Each elective position must have a minimum of two candidates confirmed by the elections committee in accordance with the Policy and Procedures Manual.

Section 5. Elective eligibility. All active members as noted in Article X Section 2 shall be eligible for elective office subject to the following requirements: candidates for members-at-large must be members in good standing for a minimum of 2 years, candidates for Secretary, Treasurer or for Vice -President must have been members in good standing for a minimum of 4 years, and candidates for President-elect must have been members in good standing for a minimum of 5 years.

Section 6. Nominations. Nominations for any elective position must be made to the Elections Committee not later than 1 January of the year of election. Nominations may be made by any constituent organization subject to procedures outlined in their own bylaws. Constituent organizations are not required to nominate candidates for any or all elective positions. Any member in good standing can submit a nomination to the Elections Committee for any elective office subject to endorsement by a minimum of five other members.

And

M. Nominating Committee: Elected officers and the elective members of the Council shall be nominated by a Nominating Committee made up of the five most recent living Past Presidents of the Association and a representative selected from each Constituent Organization of the Aerospace Medical Association. The immediate Past President shall serve as a member of the Nominating Committee for a one year term, and shall become Chairperson of that committee in the subsequent year. The President shall appoint another Past President to serve as chair if the Immediate Past President is unable or unwilling to discharge the associated responsibilities. A past president who is unable or unwilling to discharge the associated responsibilities shall be replaced by another past president who will assume seniority of the person replaced and will be appointed by the president. The Nominating Committee shall meet at least annually in advance of the opening ceremony of the annual meeting. Each individual nominated shall have been approved by at least a simple majority vote of the Nominating Committee members present at their meeting. The report of the Nominating Committee shall be

made orally and shall also be made available to members in writing at the opening ceremony of the annual meeting. Additional nominations, including name of nominee and office for which nominated, may be offered from the floor at the annual business meeting, by any member, upon 3 hours advance written notice to the Executive Director. Such nominations must be accompanied by a petition of at least 50 names of accredited members of the Association and must be accepted by a two-thirds majority vote of members attending the annual business meeting, before the nominee can be a candidate in a vote for a named position.

M. Elections Committee.

Section 1: Membership. The Elections Committee is composed of the five most recent living Past Presidents of the Association and a representative selected from each Constituent Organization of the Aerospace Medical Association. The immediate Past President shall serve as a member of the Elections Committee for a one-year term, and shall become Chairperson of that committee in the subsequent year. The President shall appoint another Past President to serve as chair if the Immediate Past President is unable or unwilling to discharge the associated responsibilities. A past president who is unable or unwilling to discharge the associated responsibilities shall be replaced by another past president who will assume seniority of the person replaced and will be appointed by the president.

Section 2: Responsibility. Candidates for elected officers and the elected members of the Council shall be nominated to the Elections Committee in accordance with the procedures laid out in Article X, Elections. The Elections Committee shall accept nominations, review the nominees, and then propose a slate of no fewer than 2 candidates for each position.

Rationale: Modifies the nomination procedure for AsMA officers to allow input from the membership and provide for multiple candidates for office to be voted on prior to the Annual Meeting. Improves member involvement in the selection of Association leadership. This change does not involve modification of the Nominating/Elections Committee membership.

ARTICLE XV. AMENDMENTS

The Bylaws of the Association may be amended at any annual meeting of the Association by two-thirds vote of accredited voting members present at such meeting. The proposed amendments shall have been sent in writing **or electronically** to the members at least 60 days prior to the annual meeting. Publication of the proposed amendments in the official journal of the Association shall meet this requirement provided that this does not reduce the time requirement. The Council may propose amendments, provided such amendments have been approved by two-thirds vote of the Council members present. Amendments may be proposed upon the petition of any 100 members, addressed to the Council. The Council shall present all such amendments to the membership with or without recommendations.

Rationale: Allows electronic notification of proposals for Bylaws changes. This change would allow additional time for consideration of potential changes to the AsMA Bylaws due to the lead time now required for publication in ASEM.

ATTENTION MEMBERS!

Please attend the AsMA Annual Business Meeting and make your vote count:
Tuesday, May 5, 12:00 pm, Westin Bonaventure Hotel,
Los Angeles, CA.

SPACE MEDICINE ASSOCIATION NEWS

A Review of the Military Medical Support to NASA

By Mr. Michael Chandler, Dr. Philip Stepaniak,
and Mr. Marty Linde

The National Aeronautics and Space Agency (NASA) was created in 1958. 2008 marked NASA's 50th year of existence and several events have celebrated this milestone. What is not as well known is that the National Aeronautics and Space Act of 1958 also authorized NASA to use the assets and resources of the Department of Defense (DoD), with their consent.

To implement the DoD support for NASA, a charter for a new DoD organization was developed in 1958. Included in this charter was the ability of this organization to work outside of the normal military chain-of-command so they could work issues and coordinate efficiently. On the NASA side, this organization provided them a one-stop-shop to request support from the DoD. The Charter was implemented through a Secretary of Defense Memorandum that established the DoD office. The Memorandum and Charter established the areas of support from the military to NASA. Both the Memorandum and Charter have been updated over the last 50 years and the name of the office has changed, (the acronym DDMS remained until recently) but the tasking has remained relatively constant. The areas of support include:

Rescue/Recovery of Astronauts, Landing Site Support, Medical Operations, Public Affairs, Contingency Communications, Airlift/Sealift and Salvage, Ferry Operations, and Other Services as requested.

The DoD Mercury Support (DDMS) organization supported Project Mercury in 1959, Project Gemini in 1963, Project Apollo in 1968, Space Shuttle Program (STS) in 1977 to present, NASA/Mir Program in the mid 1990s, and International Space Station (ISS) from the late 1990s to present.

During Project Mercury, Gemini, and Apollo, the military provided large contingents of ships and other resources to recover the capsules. As we moved into the Space Shuttle era, the DoD again was tasked to provide the services as mentioned above for Shuttle landings at Edwards AFB or White Sands Missile Range, two military sites. They were also tasked to provide support at the Kennedy Space Center. The Shuttle Program requested support for management of contingency situations at these sites, rescue and recovery support and medical support.

Medical support was also requested at transatlantic abort landing sites (later changed to transoceanic abort landing when Vandenberg AFB launches were planned) in Europe and Africa as the Program matured. The DoD was tasked to provide C-130s for Search and Rescue (SAR) and medical evacuation (MEDEVAC). Support staffing included flight surgeons, pararescue specialists, and medical technicians. Equipment provided by the DoD included ambulances and medical equipment and supplies to support a contingency. Following a Shuttle contingency, oper-

ations called for medevac to a definitive medical care facility in Europe at a military hospital.

For the DoD to provide the medical support at all of these sites, a training program for the DoD medical personnel was required. Early in the Shuttle Program this was being accomplished at Johnson Space Center (JSC), but in the early 90s, a joint group of DoD and NASA medical personnel developed a program to take the training to the contingency sites and provide site specific, tailored medical support training. This is now an annual joint NASA/DoD Training Course. NASA specifies their expectations for DoD support (NASA Perspectives), Close Calls and Accidents (launch and landing), Launch and Entry Suit Removal, Toxicology and Hazards specific to the Shuttle, Space Medicine topics, and potential issues the DoD medical personnel might have to contend with following a landing. The DoD covers the organization and tasking, DoD procedures (Emergency Modes and Convoy), Pararescue Personnel, Procedures and Equipment, and Mission Specifics (communications and specific equipment training) required for the Program. The Team (NASA and DoD) then follow up with realistic scenarios for the flight surgeons to provide oral responses to and receive critiques prior to completion of the course.

Without the DoD, NASA would have found it very difficult to perform its mission over the years. The medical support provided by the DoD has been excellent and cost effective for NASA. Future programs, like Constellation, will also require the support of the DoD. It will be very important to have the participation of the DoD in the recovery (abort and end-of-mission) of the Orion as NASA looks to returning this vehicle on the water, like the earlier Mercury, Gemini, and Apollo Programs.

SMA Jeff Myers Young Investigator Award

The SMA's Jeff Myers Young Investigator Award is presented to the primary author of an outstanding presentation in the area of Aerospace Medicine presented at the current Annual Scientific Meeting of AsMA. The work must be original and the young investigator must be a first-time presenter. The applicant must submit a draft manuscript of their presentation to the chair of the Jeff Myers Young Investigator Award sub-Committee by March 15, 2009 to:

K. Jeffrey Myers, M.D.
Space Medicine Association
Young Investigator Award Chair
P.O. Box 540305
Merritt Island, Florida 32954
jmyers@chsmedical.com

New SMA Awards

The Space Medicine Association will introduce two new awards in 2009:

1) The Space Medicine Association Award for Journal Publication will be presented to a member of the SMA who is the first author of an article published during the previous calendar year in *Aviation, Space, and Environmental Medicine*. The Awards Committee will nominate candidates to the SMA Executive Committee who will select the recipient by a majority vote. The award will be presented at the SMA Annual Business Meeting.

2) The Space Medicine Association Scholarship, sponsored by Jeffrey R. Davis, has been established to support students who are pursuing educational objectives relative to space medicine. It will be awarded for the first time in 2009. The Scholarship will include a check for \$500 and a free registration for the recipient to attend the AsMA Scientific Meeting in May 2009. Application forms are due March 1, 2009. Forms and instructions can be found at the SMA website: www.asma.org/Organization/SMB/smb.htm

We look forward to supporting space medicine with these two new incentive programs beginning in 2009. Our thanks to the generous sponsors of our educational programs including individual contributors: Jeffrey Davis, Jeffrey Myers, Mark Campbell, Jon Clark, and Bob Ellis of Wyle Integrated Science and Engineering who have enabled support to the "Jeffrey Myers Young Investigator Award", and the new "SMA Scholarship sponsored by Jeffrey Davis".

SAVE THE DATE!

2009 International Conference on Fatigue Management in Transportation Operations: A Framework for Progress

Date: March 24-26, 2009

Organizer: U.S. Department of Transportation, Human Factors Coordinating Committee, Operator Fatigue Management Program:
<http://hfcc.dot.gov/ofm/>

Location: Boston Marriott Long Wharf in Boston, MA

The objective of the conference is to disseminate information on the latest fatigue-related research, technology, and countermeasures. The program will consider the topic holistically, transitioning from research and development to technical and practical sessions. The conference is designed to address the interests of researchers, practitioners, managers, labor organizations, and operators involved in all modes of transportation from around the world.

WING NEWS & NOTES

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From the President

By Peggy Trumbo

This year for me as your president is flying by. I hope each of you has been able to spend time with or talk to family members over the Thanksgiving, Christmas, and New Year holidays. The holiday family-time at our house changes each year now with the addition of precious grandchildren and new traditions being established. Anna Elizabeth Trumbo was born in late October, the first female with the Trumbo name born into the family since 1928. I think Anna has completed that generation of three boys and a girl. We are blessed to have all of them living in our neighborhood for pop-in visits and occasional babysitting.

February means spring is just ahead and thoughts of warm, southern California and all it has to offer us at the May AsMA meeting. Your board members have been focusing on their individual duties to be sure that we give you the best experience possible in Los Angeles with your spouse and your Wing friends.

The Monday Wing reception jump-starts us into the fun of the week – Hollywood, movie stars, glitzy shopping, beautiful art, and the perfect weather of California. The Grand Tour of Los Angeles on Tuesday will let us see everything that is great about Los Angeles, and we may want to go back to some of the sights on our own.

The historic and elegant Los Angeles Athletic Club will host our luncheon on Wednesday, and we can stroll around the jewelry district after lunch just outside the club. The Getty Art Center with its magnificent collection is our Thursday tour, the wealthiest art museum in the world.

I'm excited about having this time in Los Angeles and encourage you to plan to spend some time on Olvera Street learning about the

beginning of Los Angeles, easily accessible from our hotel corner by Dash bus, and enjoying good Mexican food and the marketplace for souvenir shopping. Other places to visit nearby include the beautifully restored L.A. library just across from our hotel, the L.A. fashion district, and the Los Angeles Music Center (take the Dash bus).

I'm sure each of us knows AsMA spouses who might not be members of the Wing. Go after them! Tell them of the fun we have together, and encourage them to come to the May meeting this year and join the Wing. I will see you in Los Angeles May 3-7, 2009.

By-law Change - Second Notice:

The following change to the By-laws of the Wing has been approved by the Executive Board on May 14, 2008, and will be presented at the May 6, 2009, meeting for a vote of the membership.

Article III, Section 3 of the By-laws is proposed to be changed to: *Associate members shall be those persons desiring membership and not identified as Active Members. They shall pay dues and participate in Wing activities, but shall not be eligible to hold elected office.*

The Wing Honorary President, Susanna Bellenkes

Susanna Bellenkes, wife of the Aerospace Medical Association president Andrew H. Bellenkes, Ph.D., is our Honorary President this year. Just last year, Susi was president of The Wing so most of us know her and of her many talents.

Born in Austria, Susi moved to the U.S. in 1991 and attended her first AsMA meeting in 1993. She has been active in the Wing ever since. Susi and Andy currently live in Colorado Springs where Andy is a Navy



HIKING WITH THE HONORARY PRESIDENT--Susi Bellenkes enjoys one of her favorite activities as she and Wing friend Deb Merchant hike at Pike's Peak this past fall.

Exchange officer at the U.S. Air Force Academy. With her children, grandson and baby granddaughter, and other friends and family thousands of miles across the Atlantic, Susi is drawn to her "other home." She spends about four months each year in Austria, restoring a beautiful family home.

Susi is an amazing artist. To enjoy some of her work, visit her website at:

www.susifineart.com. There you will see the many styles and subjects of her art, including the painted porcelain that she does so beautifully.

With their lovely chalet waiting for them, Susi and Andy will move to Austria after Andy's retirement July 1, 2009.

Susi said, "The Wing has given me the opportunity to see so many places in this country by participating in the Wing tours, but it has also given me lifelong friendships which is what the Wing is all about. I would be delighted for Wing friends to visit us in Austria and look forward to seeing you walking down our nice little cow path to our home."

It is with gratefulness for her leadership and participation with The Wing, as well as with her role this year as the wife of the AsMA president, that we recognize Susi as our honorary president in Los Angeles.

Register for the Meeting!

The Wing Registration form is available in the front of the Journal. Mail it in right away to reserve your place on the tours.



Join the Wing!

The Wing of the Aerospace Medical Association was formed in 1952.

Dues are \$40 per year. For more information, contact:

Jackie Bohnker
2253 Riverside Dr. S.
Clearwater, FL 33764
727-812-4868

e-mail: jpbohnker@juno.com



ON THE LA TOUR--The Farmer's Market.



ON THE LA TOUR--Grauman's Chinese Theatre.

NEWS OF CORPORATE MEMBERS

Axiom Worldwide Receives Trademark

Axiom Worldwide is recently announced that in October of 2008, the United States Patent and Trademark Office issued the original Certificate of Registration No. 77109740 for trademark/service mark "True Non-Surgical Spinal Decompression." This mark is for medical devices and systems, namely, non-surgical treatment machines for the back, in class 10 (US CLS. 26, 39 and 44). This trademark can be viewed at <http://www.uspto.gov/>. Axiom, as part of its ongoing research and development effort, continues to invest heavily in innovation and technology. To safeguard their investment, Axiom is committed to protecting its intellectual property for the benefit of its customers.

— From a press release at axiomworldwide.com/PressReleaseDetails.aspx?id=66

Baxter Tests First Recombinant for von Willebrand Disease

Baxter Healthcare Corporation recently announced the dosing of the first patient in a Phase I clinical trial of its recombinant von Willebrand Factor (rVWF), an investigational drug for the treatment of von Willebrand Disease (VWD), the most common type of inherited bleeding disorder. The multicenter, controlled, randomized, single-blind prospective trial will evaluate the pharmacokinetics, safety, and tolerability of rVWF in Type 3 VWD patients and will be conducted in North America and Europe. for the treatment of patients with severe VWD and for others with VWD who are unresponsive or unable to receive desmopressin.

— For more information, visit www.baxter.com/about_baxter/news_room/news_releases/2008/12_04_08_von_willebrand.html

ETC Announces First Computer-Controlled Hyperbaric Chambers in OK

Environmental Tectonics Corporation's (ETC's) BioMedical Division recently announced the installation of two Bara-Med®XD Monoplace hyperbaric oxygen chambers in the St. John Wound Center, Tulsa, OK. Each chamber includes a 4th generation computer-based operating system which controls and records chamber activity. The state-of-the-art monoplace chambers are the first computer-controlled hyperbaric chambers to be placed into service in Oklahoma.

Hyperbaric oxygen (HBO) chambers offer advanced care for chronic wounds by administering pure oxygen under increased atmospheric pressure, which speeds and enhances the body's natural ability to heal. This allows for an increased amount of oxygen to be carried by the blood system, offering multiple benefits to the organs and tissues of the body. Additionally, HBO improves the benefit of certain antibiotics, activates white blood cells, and promotes the healing process in chronic wounds.

— Adapted from www.etcusa.com/corp/pressreleases/NR12082008.html

Mayo Identifies Best Treatments for Brain Tumor Survival

A new Mayo Clinic study found that patients with low-grade gliomas survived longest when they underwent aggressive surgeries to successfully remove the entire tumor. If safely removing the entire tumor was not possible, patients survived significantly longer when surgery was followed by radiation therapy. This study is available online as an advance publication in *Neuro-Oncology*.

A team of Mayo Clinic researchers studied the records of 314 adult patients with low-grade gliomas who were diagnosed between 1960 and 1992 and had an average of 13 years of follow-up. Nearly half of the patients who underwent aggressive surgeries (gross total resection or radical subtotal resection) were free of tumor recurrence 15 years after diagnosis.

When aggressive surgery was not a safe option, postoperative radiation therapy nearly doubled average survival. The average survival time was 3 years in patients who did not receive radiation therapy, while those who had radiation therapy survived an average of 6 years. These findings may be controversial due to common concerns about possible long-term side effects of radiation therapy.

— For more information, visit the press release at www.mayoclinic.org/news2008-rst/5107.html

MedAire Providing Support for Arab Air Carriers Organization

MedAire, an International SOS company, attended the Arab Air Carriers Organization's (AACO) 5th Technical Forum in Cairo this past November, and in the presence of key senior representatives of AACO's 24 Arab Airlines, signed a Memorandum of Understanding (MOU). As a direct result of the MOU, MedAire will provide AACO airline members with guidance and recommendations regarding international medical regulations and discounts and special package pricing to Arab carriers.

— To learn more, visit www.aaco.org/pubnews.asp?id=1778&lang=1

Oregon Aero Team Wins Two ICAS Awards

The Oregon Aero® SkyDancer team won two awards at the International Council of Air Shows (ICAS) 2008 Marketing Awards Competition this past December. The air show team, sponsored by Oregon Aero, consists of Steve Oliver and Suzanne-Asbury Oliver, the world's only married aerobatic and skywriting duo. They took second place in the Performer Magazine Ad category and third place in the Performer Press Kit category.

The awards were announced during the annual Marketing Awards Competition luncheon during the ICAS Convention in Las Vegas, where more than 200 exhibitors and 1,400 participants gathered to plan for the 2009 season.

— Adapted from a news release at <http://www.oregonaero.com/new.htm#awards>

Thank You! Corporate and Sustaining Members of the Aerospace Medical Association

The financial resources of individual members alone cannot sustain the Association's pursuit of its broad international goals and objectives. Our 80-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
Aerospace Medicine Residency
Program, UTMB
Air Canada
Aircraft Owners and Pilots Association
Air Line Pilots Association
American Airlines
Archinoetics, LLC
Autoflug Libelle GmbH
Aviation Medicine International (AMI)
Inc.
Axiom Worldwide Aerospace &
Defense Contract Division
Baxter Healthcare Corporation
Bionetics Corporation
Carleton Life Support System Inc.
David Clark Company, Inc.
Eagle Applied Sciences, LLC
Education Enterprises, Inc.
Environmental Tectonics Corporation
Federal Express
Gentex Corporation
Harvey W. Watt & Company
Infoscitex
International Federation of Air Line
Pilots Associations
International SOS
Japan Airlines International (JALI)
Kelsey-Seybold Clinic
Lifeport, Inc.
Martin-Baker Aircraft Company Ltd.
Mayo Clinic
MedAire, Inc.
Norwegian Underwater Intervention
Oregon Aero, Inc.
Price Waterhouse Coopers LLP
Sanofi-Aventis Pharmaceuticals
South African Airways
South African Civil Aviation Authority
Sperian Eye and Face Protection, Inc.
Stereo Optical Company, Inc.
United Airlines
Universities Space Research Association
(USRA)
Virtual Flight Surgeons, Inc.
Wyle Laboratories, Inc.

NEWS OF MEMBERS

Send information for publication on this page to:
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In Memoriam Tamara Bouble Has Died

Tamara von Johnson Bouble, age 88, an endearing friend to so many from all over the world, passed away December 10, 2008. She was born in Weborg, Finland, but spent her formative years in Italy.



Having been the daughter of a hotel general manager, she realized early in life the importance of communication and understanding people from all cultural backgrounds. Mrs. Bouble was educated in Italy, Switzerland, and France with an emphasis on languages. She received her master's degree in French from the Centre Universitaire Mediterranee in Nice, France, in 1939.

During WW II she was a volunteer Red Cross nurse and devoted herself to the war effort. She learned medical terminology, which later in life would open doors of opportunity for her. She then came to the United States as a war bride and became a medical translator at the USAF School of Aerospace Medicine first at Randolph AFB and then at Brooks AFB in San Antonio, where she subsequently retired after 33 years of service. In this capacity, Mrs. Bouble bridged the relationships between those who came from various countries to the School of Aerospace Medicine for their training, and as a result, the physicians left with a greater understanding and respect for their international peers. She even received the prestigious Cross of the Order of Merit from the Federal Republic of Germany in July of 1982. The award was signed by the German Chancellor and given for her service over the preceding 25 years to the German Medical Officers who were students at USAFSAM.

She became a member of AsMA in 1972 while she was Chief, Translation Branch, at USAFSAM. She served on the membership and registration committees of AsMA for over 30 years. She was a great help to the international membership and the Association, especially at the registration desk during our annual meetings. Ms. Bouble received the AsMA President's Citation from Jefferson C. Davis in 1983.

The ability to speak, read, and write seven languages, and her knowledge of many cultures earned her respect and recognition from all whom she encountered. She embraced people from all walks of life and treated them with respect. She will most certainly be missed by all of us at AsMA, and her familiar figure will remain a fond memory, especially during registration in May.

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New Members

Boillot, Emmanuel B., M.D., Aix en Provence, France
 Nelson, David M., Maj., USAF, MC, Edina, MN
 Rinzier, Elliot S., Capt., USAF, MC

Shwayhat, Alfred F., D.O., MPH, MHA, Pensacola, FL
 Talbot, Timothy S., LTC MC, USA, Clarksville, TN

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 Ext. 101; pday@asma.org
 Rachel Trigg, Editorial Assistant
 Ext. 102; rtrigg@asma.org

Aviation Space and Environmental Medicine Seeks New Editor in Chief

The Aerospace Medical Association (AsMA) is seeking applicants for the position of Editor in Chief of the Association's journal, *Aviation Space and Environmental Medicine* (ASEM). The Editor in Chief should be someone with a breadth of experience in research and a substantial number of journal publications. The ideal applicant will possess a doctoral degree (M.D., D.O., or Ph.D.), have published in peer-reviewed journals, and be familiar with the AsMA (examples: member for several years, attended/presented at multiple meetings, active in Committees or Constituents). Major responsibilities, a position description, and other information are available via the Announcements section at www.asma.org.

This is a part-time position that will not require relocation, but will require high-speed internet access. Salary and benefits will be discussed as part of the applicant evaluation process.

Applications should include a 1- to 2-page narrative describing interest, professional qualifications, and a vision for the future of ASEM. A current CV is also required. The application deadline is 31 March 2008. If invited, applicants must be available for interview during the next Annual Scientific Meeting, Los Angeles, CA, May 3-7, 2009.

Email completed applications (as PDF attachments) to the Search Committee Chair, Dr. James Webb, at jwebb.asma@swbell.net.

Aerospace Medical Association Seeks Executive Director

The Aerospace Medical Association (AsMA) is seeking applicants for the position of Executive Director. The Executive Director serves as the chief operating officer responsible for all management, administration and professional activities of the Association. Applicants should possess a doctoral degree and be familiar with the AsMA. Major responsibilities include membership services, planning and conducting an annual scientific meeting, publishing a scientific journal, and conducting liaison with related national and international organizations. Salary will be commensurate with these responsibilities and the experience of the applicant. Applications should include a 1- to 2-page narrative describing interest, professional qualifications, and vision for the Association. Also include a professional resume, salary history, and salary requirements. A position description may be obtained by calling (301) 469-5461. Mail applications to: Robert R. McMeekin, M.D, Chair, Search Committee, 7435 Arrowood Road, Bethesda, MD 20817-2822.

AsMA Future Meetings

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

May 9-13, 2010
 Sheraton Hotel; Phoenix, AZ

May 8-12, 2011
 Egan Convention Center
 Anchorage, AK

May 13-17, 2012
 Atlanta Hilton
 Atlanta, GA

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