

Aerospace Human Factors Association

A Constituent Organization of the Aerospace Medical Association

NEWSLETTER

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SPECIAL ANNOUNCEMENT REGARDING ASHFA MEMBERSHIP DUES

The Executive Committee voted in May to re-arrange our membership dues-year from the calendar year to coincide with the annual Scientific Meeting in May. This change has provided everyone with an extra (free) 5 months of membership for the dues received in 2002. This change will be reflected on your mailing label, such that if you were current for 2002, the previous label would read "Pd. 12/02" and now it should read "Pd. 5/03." Please remember to send your dues (both current and back-dues if owed) to the AshHFA Secretary-Treasurer, Dr. Tamara Chelette.

Secretary-Treasurer

Tamara L. Chelette, Ph.D.
AFRL/HEPA, Bldg 824, Rm 206
2800 Q Street
WPAFB OH 45433-7947

FROM THE PRESIDENT'S DESK.....

Dear Colleagues,

From deep beneath my stacks of paperwork, I bid you all greetings. It's been some time since the Montreal meeting, but I trust everyone found the program to be of interest and beneficial. Aside from suffering a strange flu-like malady during the meeting, I was impressed with the attendance and superb representation from our members. From all accounts, our three-sponsored panel sessions were successful in providing additional quality to the 73rd Annual Scientific program. I wish to thank everyone who works so hard to make AshHFA such a distinguished constituent organization. I'm certainly proud to be your President and know that those on the executive committee also feel a sense of pride for what we represent and for what we can contribute to AsMA.

Please let me recognize and congratulate the following AshHFA members: Newly elected President Elect—Doug Wiegmann; Member-at-Large—Lloyd Tripp; filling the 2-year vacancy as Member-at-Large—Roni Prinzo; and appointed AshHFA's Representative to the AsMA Nominations Committee—Carol Manning; and AshHFA Secretary/Treasurer—Tamara Chelette. Also congrats to our newly elected AshHFA Fellows—Andy Bellenkes & Bill Ercoline, and to our 2002 award winners: for the Stanley Roscoe Award—Dwight Holland; the Wm. E. Collins Award—S. Shappell & D. Wiegmann; the Henry L. Taylor Founder's Award—Charles Billings; and the 2003 Henry L. Taylor Founder's Award recipient—Henry Mertens.

Dr. Charles Billings provided an excellent Taylor Award Lecture, titled: "The Evolution of the Advanced Aviation System (From NAS to AAS to FF—and Back Again?)" For the next AshHFA Luncheon in May 2003, Dr. Henry Mertens will provide the Taylor Award Lecture and present a "History of Color Vision Regulations" for aviation.

I know that many members of the executive committee have been under heavy workload conditions this summer and now into the fall. Myself included. AshHFA is primarily a volunteer organization and though sometimes viewed as a well-oiled machine, the oil is changed and of course, new spark plugs are needed. Well, I think you get the analogy. We're in somewhat of a transition and I wish to extend an invitation to you for assistance during the upcoming year. If you have special talents (actually, spare time is more important than talent) to help with our organization, please let us know. Don't hesitate to communicate your wishes and concerns with us. Also, please visit our website created and maintained by Ron Hoffman (<http://www.asma.org/Organization/ashfa/>).

Best close for now. Our midyear meeting is Tuesday, November 19th at 1300 in the AsMA HQ conference room in case you're in the neighbor hood.

Thanks,

Thomas E. Nesthus, Ph.D.

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UPCOMING EVENTS

October 1-3, 2002 – SAE S-7 Flight Deck and Handling Quality Standards for Transport Aircraft, Prague, Czech Republic
<mailto:elizd@sae.org>

October 7-11, 2002 – SAE S-18 Airplane Safety Assessment Committee, Reno, NV <mailto:lemon@sae.org>

October 8-9, 2002 – SAE S-9 Cabin Safety Provisions Committee, Reno, NV <mailto:elizd@sae.org>

October 9-10, 2002 – SAE AE-8B1 Protective Devices Committee, Tampa, FL <mailto:elizd@sae.org>

October 10-19, 2002 – The World Space Conference, Houston, TX
www.aiaa.org/wsc2002

October 14-16, 2002 – Third LOSA Week, Dubai, United Arab Emirates <mailto:dmaurino@icao.int>

October 14-16, 2002 – SAE A-10 Aircraft Oxygen Committee, Dayton, OH <mailto:elizd@sae.org>

October 21-24, 2002 – 2nd Annual FAA Centers of Excellence Meeting, Wichita, KS <http://www.niar.twsu.edu/faacoe>

October 23-25, 2002 – International Conference on Human-Computer Interaction in Aeronautics, Massachusetts Institute of Technology, Cambridge, MA <http://www-eurisco.onecert.fr/events/hci-aero2002.html>

October 23-25, 2002 – SAE AC-9 Aircraft Environmental Systems Committee, Albuquerque, NM <mailto:elizd@sae.org>

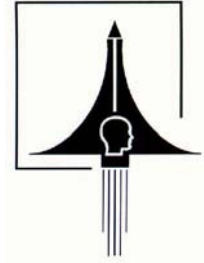
October 27-31, 2002 – 21st Digital Avionics Systems Conference, Hyatt Regency Hotel, Irvine, CA <http://www.dasconline.org/>

November 4-7, 2002 – 55th Annual Air Safety Seminar “Keeping Safety a Worldwide Priority”, a Joint Meeting of the Flight Safety Foundation, International Federation of Airworthiness, and International Air Transport Association, Citywest Hotel, Dublin, Ireland wahdan@flightsafety.org

November 5-7, 2002 – SAE World Aviation Congress and Display, Sheraton Crescent Hotel, Phoenix, AZ
<http://www.sae.org/calendar/aeromtgs.htm>

November 21-24, 2002 – 43rd Annual Meeting of the Psychonomic Society, Hyatt and Westin Hotels, Kansas City, MO
<mailto:psp@psychonomic.org>

The Aerospace Human Factors Association



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Thomas E. Nesthus, Ph.D.
FAA CAMI AAM-510
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Secretary/Treasurer

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Meetings

DoD Human Factors Engineering
Technical Advisory Group
Meeting # 48
Holiday Inn Hotel and Suites, Alexandria,
VA November 4-7, 2002

Aerospace Human Factors Committee
Midyear meeting, AsMA HQ conference
room November 19, 2002 @ 0900-1100

Aerospace Human Factors Association
Midyear meeting, AsMA HQ conference
room November 19, 2002 @ 1300-1500

CALL FOR NOMINATIONS FOR ASHFA PRESIDENT Nominations are currently being sought for the position of AsHFA President for the 2004-2005 term. If you know of a colleague (or perhaps you, yourself?) whom you feel would best serve our organization in its highest executive leadership position, please consider nominating that individual today. All nominations (and any questions about the position or nomination process) should be sent directly to AsHFA President-Elect, Doug Wiegmann, Ph.D. via *e-mail* dwiegman@uiuc.edu, or normal Post to University of Illinois Aviation Research Laboratory, Willard Airport, #1 Airport Road Savoy, Illinois 61874. **The nomination period will close on January 31st.**

74th AsMA Annual Scientific Meeting: 'Celebrating 100 Years of Flight'

**Report of the Scientific Program Committee,
CDR Andrew H. Bellenkes, Ph.D., Chair**

Dear Colleague;

The 74th Annual Scientific Meeting of the Aerospace Medical Association will be held on May 4-8, 2003 at the San Antonio Convention Center, San Antonio, Texas. The year 2003 will be a milestone marking a century of manned flight. Aerospace Medicine and Human Factors have played central roles in ensuring the success of this grand adventure. Thus, the theme of this year's meeting will be 'Celebrating 100 Years of Flight'. The scientific sessions will cover the latest findings in the fields of aviation, space, and environmental medicine. Interested authors are also invited to submit presentations especially covering topics in the history of aeromedicine and human factors.

I am very honored and delighted to have been asked by Dr. Claude Thibeault to serve as the Chair of the Scientific Program Committee for AsMA's 74th Annual Scientific meeting. Working with me on the leadership side of the committee are a host of very talented and creative colleagues, all of whom have already given so much of their time to ensure that this upcoming annual meeting will be the biggest and best ever. My Deputy is Dr. Carol Manning, who will be the Chair of the 2004 Scientific Program Committee.

Dr. John Crowley is once again the Panels Chair. It was Dr. Crowley's splendid organization that made the panels in Montreal some of the most successful ever. Dr. Crowley's Deputy this year is Dr. Alex Wolbrink. We have already received many inquiries about panels, and I know that Drs. Crowley and Wolbrink anticipate a record number of panel abstracts.

Dr. Gabor Hardicsay and Dr. Jeff Meyers will be co-Chairing the Posters sessions this coming year. They are already hard at work putting together what we are certain will be a most informative set of poster sessions. Dr. Hardicsay's leadership role reminds us of the outstanding contributions made to AsMA by our growing international membership. I am especially eager to ensure that our scientific meeting reflects the international diversity of aviation and space medicine. In this regard, we will be working closely with members of the AsMA International

Committee to expand the number and scope of our non-U.S.-sponsored presentations, posters, and panels.

Dr. Stan Mohler is also very hard at work, coordinating all of the presentations and special events associated with the historical theme of this year's meeting. He informs me that he already has papers and panels about aviation history being offered for San Antonio. Indeed, the host city is itself an historical centerpoint not only for aeromedicine, but for the U.S. as a nation. I am certain that you will be very excited about what Dr. Mohler is planning, and we'll discuss some of these in a later e-gram.

Of course, none of this is possible without the invaluable work from our friends at AsMA HQ..so a hearty Bravo Zulu!!' (as we say in the Navy), go to Dr. Russ Rayman, Pam, Jackie and Gloria!

Please note: Although the annual meeting is still many months away, I'd like to urge you not to wait until the last minute to submit abstracts for presentations, panels, or posters. As you may recall, many abstracts were submitted very close to the deadline, causing a backup in the ability to process the abstracts for further consideration. I therefore request that authors submit their abstracts as early as possible. This is especially critical during this centennial year of flight, as we are anticipating many more abstracts than normal. Indeed, the official Congress website has barely opened, and we have already received many abstracts for panels and presentations. The Scientific Program Committee is also planning to add a new pre-meeting workshop to those already scheduled for this year. Finally, the Scientific Program Committee will be working very closely with the AsMA Wing to coordinate special events with historical themes.

So, as you can see, the 2003 Scientific Program is already coming together very nicely. Again, please send in your abstracts and do so as early as possible after the AsMA conference website opens. Urge your colleagues to do so as well. Volunteer to help at the Scientific Program Committee meeting in Alexandria this coming November (contact AsMA HQ for more information). Volunteer to help Chair and Co-Chair scientific presentation sessions and panels. If you are loathe to present a paper, why not consider creating a poster? It's going to be a grand event, and I urge all of you to participate actively to help make it happen. I look very much forward to seeing you all in Texas next May.....ya hea?!!

Dr. Dwight Holland Reports on his Recent Trip to Slovenia

Capt (Dr) Dwight Holland participated in the first regional Balkans conference held in September on aerospace, engineering, and medical aviation issues at the Annual Potocnik and Rusjan Memorial Conference at the prestigious Jozef Stefan Institute in Ljubljana, Slovenia (www.sasma.szd.si).

Capt Holland was the only US Military Officer in attendance, and gave three invited "Leading Lectures" and co-chaired three sessions. While in Slovenia, he was invited by the Slovenian Military to give a special additional lecture at the HQ of the 15th Brigade on "Leadership Lessons for Military Organizations from a Combination of Antarctic Studies and Modern Leadership and Followership Theory." Senior Governmental and academic Representatives from Yugoslavia, Croatia, Slovenia, Montenegro, Austria, Germany, England, and Hungary were in attendance. All of the Slovenian State Secretaries were present at the meeting at various times including State Secretary Dr Milan Jazbec (Defense) and Aviation State Secretary Miha Sohn.

Capt Holland recently returned from the congress of the International Academy of Aviation and Space Medicine in Australia, and will have a report for you in the next issue.

CALL FOR PAPERS: HUMAN FACTORS IN HOMELAND DEFENSE SPECIAL WORKING GROUP MEETING #2

In response to the events of 11 September last year, and the subsequent acts of bioterrorism against the U.S. homeland, a special joint working group on 'Human Factors in Homeland Defense' was created to identify and address those issues affecting us in the aeromedical community. Members of this working group consist primarily of distinguished military and civilian human factors specialists (Physicians, Psychologists, Social Scientists, and Engineers) from around the world.

This working group met for the first time last year at the annual conference of the Aerospace Medical Association in Montreal. Members of the working group presented a double-session panel on their work which covered areas including Biological/Chemical Warfare, Human factors in Special Operations, man-machine aspects of weapons detection, and other topics

in asymmetric warfare. The panels were extremely well received and generated a great deal of interest.

CDR Andy Bellenkes (working group Chair) is currently putting together the next meeting of the 'Human Factors in Homeland Defense' special working group. As with the kick-off meeting last year in Montreal, this years meeting will be held under the auspices of the Aerospace Medical Association (AsMA). The meeting will consist of a panel with presentations (as before) for congress attendees. There will also be a separate 'working' meeting for members who wish to be a part of the 'core' working group council

The theme of this years working group panel will be "Topics in Chemical and Biological Warfare". If you are involved in some aspect of Chemical-Biological warfare research or operations, you are cordially invited to become a member of this panel. A letter or e-mail of interest as well as an abstract of about 200-250 words should be sent to CDR Bellenkes no later than 30 October 2002. Please address all communications to:

CDR Andrew H. Bellenkes Ph.D. MSC USN
School of Aviation Safety
Naval Postgraduate School (Code 10)
1588 Cunningham Rd.
Monterey, California USA 93943-5002

Voice: (831) 656-2581/DSN: 756-2581
Fax: (831) 656-3262/DSN: 756-3262
Email: ahbellen@nps.navy.mil

Your humble Newsletter Editor needs your help!

Our newsletter is a great way to communicate with your colleagues throughout the world. If you have an article, story, report of a human factors-related meeting, or some other information that you would like to see in print, including an address or job change please forward such via e-mail to:
ahbellen@nps.navy.mil

The University of Illinois Institute of Aviation has established an Aerospace Human Factors Association endowment to fund the **Henry L. Taylor Founder's Award**, for outstanding contributions in the field of aviation human factors. The Aerospace Human Factors Association will annually solicit nominations for the award. The criteria for evaluating the nominations are as follows: (1) research and publications; (2) special original contributions, e.g., equipment, techniques, and procedures; or (3) general leadership in the field, e.g., teacher, director of laboratory, officer scientific societies, etc. Recipients of the Paul T. Hansen Award will not be eligible for consideration for the Henry L. Taylor Founder's Award. The Institute of Aviation will annually provide a \$500 honorarium to the selected participant, whose name will be announced at the annual business meeting of the Aerospace Human Factors Association. The recipient of the award will present the Henry L. Taylor Founder's Lecture at the annual ASHFA business meeting in May, and will then receive the honorarium and a plaque. ASHFA members who would like further information about the award should contact the ASHFA Awards Committee Chair noted below.

Nomination Form

Henry L. Taylor Founder's Award

FOR Outstanding Contributions in the Field of Aerospace Human Factors

I nominate:

Present Position:

Business Address:

Please support your nomination by attaching documentation indicating outstanding contributions your nominee has made in the field of Aerospace Human Factors. Outstanding contributions in the following areas will be evaluated by the Awards committee: (1) research and publications, (2) special original contributions, e.g., equipment, techniques and procedures, or (3) general leadership in the field, e.g., teacher, director of laboratory, officer scientific societies, etc. Please provide the necessary documentation of how your candidate is outstanding with respect to one or more of these criteria. Three letters of endorsement with supporting evidence are required. Further, ensure that your nominee has not previously been a recipient of the Paul T. Hansen Award; recipients of the Hansen Award will not be eligible for consideration for the Henry L. Taylor Founder's Award. The Henry L. Taylor Founder's Award will be presented at the annual business meeting luncheon of the Aerospace Human Factors Association and will include a plaque and an honorarium of \$500.

Recipients of this award will deliver a lecture at the Annual Business meeting of the Aerospace Human Factors Association to be held in May. The presentation will address a scientific or technical topic, provide an historical review of the recipient's area of expertise, or describe personal reflections on important events in the development of the field of aerospace human factors.

Date:

Signed:

Title:

Address:

Return this form by March 1, 2003 to:

Dr. Scott Shappell, Awards Chair
Manager, Human Factors Research Branch
FAA, Civil Aerospace Medical Institute
AAM-510
Oklahoma City, OK 73125

The Aerospace Human Factors Association (hereafter AsHFA), a constituent organization of the Aerospace Medical Association, announces the availability of its **STANLEY N. ROSCOE AWARD** for the best doctoral Dissertation written in a research area related to Aerospace Human Factors.

AsHFA recognizes the need to foster and support our growing Graduate Student membership through a program of proactive mentorship. One critical facet of this effort is an annual formal recognition of scholarly achievement in human factors. This takes the form of AsHFA's annual presentation of the Stanley N. Roscoe Award for the best Doctoral Dissertation written in a research area related to Aerospace Human Factors. Named for the distinguished scientist and educator, the Stanley N. Roscoe award is administered through the University of Illinois Foundation. This year's award will be presented at the Aerospace Human Factors Association's annual business meeting and luncheon in May of 2003 in San Antonio, Texas and will include a plaque and an honorarium of \$500.

It is essential that our finest young researchers be recognized for their outstanding efforts. We therefore invite you to help us in our efforts to sustain this highly prized award. Contributions to support the Stanley N. Roscoe Award can be made to the University of Illinois Foundation, Aerospace Human Factors Association account at the following address:

University of Illinois Foundation
Attn: Stanley N. Roscoe Award
Harker Hall, MC-386
1305 West Green Street
Urbana, Illinois 61801

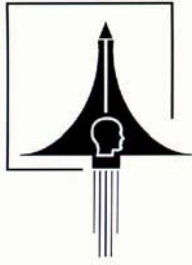
Criteria for judging the thesis/dissertations include

- (a) significance of the problem and innovativeness of the approach
- (b) review of related research
- (c) effectiveness of the research design and analysis
- (d) interpretation of results
- (e) theoretical and practical value of the work
- (f) clarity of writing.

To be eligible for this award, the dissertation must have been completed and accepted by the sponsoring department between October 1, 2001, and September 30, 2002. To have their dissertations considered for this award, please encourage your recent graduates to submit a cover letter, three copies of their dissertation, and a letter of recommendation from their faculty advisor. All material must be postmarked **no later than February 25, 2003**, and sent to the current chair of the Awards Committee of the Aerospace Human Factors Association.

If you have any other questions concerning this or any other AsHFA award, please contact the Awards Chairman

Dr. Scott Shappell, Awards Chair
FAA, Civil Aerospace Medical Institute
AAM-510
Oklahoma City, OK 73125



Application/Renewal of Membership in **Aerospace Human Factors Association**

- Membership Renewal: I wish to renew my membership in the Aerospace Human Factors Association. I am a current member of the Aerospace Medical Association. I am enclosing \$15.00 (U.S. funds) for annual dues with this application.
- Full-time Student

Name: _____

Title: _____

Name of Highest Degree: _____ Year: _____

Preferred Address: Home Business (circle one)

Preferred Phone:() _____ Home Business (circle one)

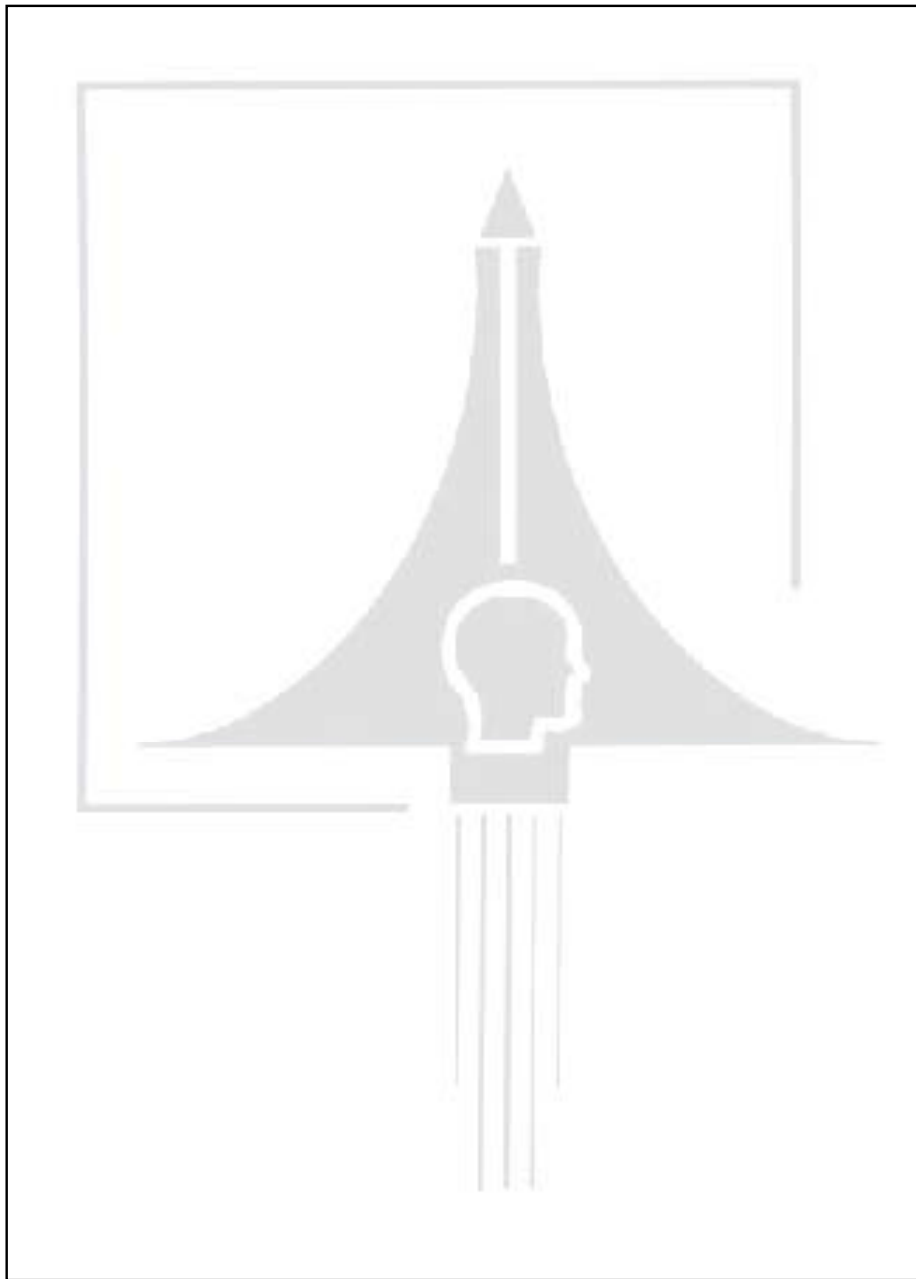
Fax Number: () _____

E-mail address: _____

Please complete the printed form then mail it with a check for \$15 (payable to Aerospace Human Factors Association) to:

Tamara L. Chelette, Ph.D.
AFRL/HEPA, Bldg 824, Rm 206
2800 Q Street
WPAFB OH 45433-7947

**If you are applying for membership for the first time, please use the application form found at
<http://www.asma.org/ashfa/memapp.htm>**



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A Constituent Organization of the Aerospace Medical Association
ASHFA Newsletter

ASHFA Newsletter

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School of Aviation Safety
Naval Postgraduate School (Code 10)
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ADDRESS CORRECTION REQUESTED

Mailing Address
Street Number and Name
City, State zip