



# Ever Upward: December 2021

## Aerospace Medical Association Honors Night Awards

Honors Night 2021 was a very different affair. Because of COVID-19, the 2020 Honors Night Awards Ceremony could not be held. We, therefore, combined the awards ceremonies for 2020 and 2021. The President for 2020, Hernando “Joe” Ortega, M.D., and the President for 2021, Charles “Chuck” DeJohn, D.O., alternated presenting the annual awards. Many of the recipients were unable to attend the ceremony this year. The pictures here show the presentation of the award on September 2, 2021, at the Sheraton Denver Downtown, Denver, CO. Where possible, a photo of the recipient with their award is printed separately. The citations were read by Drs. Eric Olins and Jeff Myers. Dr. Al Parmet assisted with the awards. The sponsors (in parentheses), when present, are shown with the respective AsMA president.

All photos by Pamela C. Day. A photo gallery is available at: <https://aeromed.smug-mug.com/Honors-Night-2021/>.



**Joe Ortega**  
2019-2020  
AsMA  
President



**Chuck DeJohn**  
2020-2021  
AsMA  
President



2020 LOUIS H. BAUER FOUNDER'S AWARD  
**Royce Moser, Jr., M.D., M.P.H.**  
(Russell Rayman accepts award)  
(Clayton Cowl, Mayo Clinic)



2021 LOUIS H. BAUER FOUNDER'S AWARD  
**David Newman, MBBS, DAVMed, MBA, PhD**  
(Clayton Cowl, Mayo Clinic)



2020 ADMIRAL JOHN C. ADAMS AWARD  
**Susan E. Northrup, M.D., M.P.H.**  
(Tim LaVan, Society of U.S. Naval Flight Surgeons)



2021 ADMIRAL JOHN C. ADAMS AWARD  
**Mark McPherson, M.D., M.P.H.**  
(Tim LaVan, Society of U.S. Naval Flight Surgeons)

Send information for publication in this newsletter to: Journal Department, AsMA; [rtrigg@asma.org](mailto:rtrigg@asma.org)



2020 BOOTHBY-EDWARDS AWARD  
**Michael A. Berry, M.D., M.S. (Susan Northrup accepts)**  
 (Harvey W. Watt & Co.)



2021 BOOTHBY-EDWARDS AWARD  
**Ries Simmons, M.D. (Al Parmet accepts)**  
 (Harvey W. Watt & Co.)



2020 DAVID M. CLARK AWARD  
**MedAire (Paulo Alves accepts)**  
 (Aerospace Medical Association)



2021 DAVID M. CLARK AWARD  
**Medlock Consulting (Gayle Medlock Reese accepts)**  
 (Aerospace Medical Association)



2020 JOHN ERNSTING AWARD  
**Stacy Zinke-McKee, B.S.**  
 (George Anderson, Environmental Tectonics Corporation)



2020 JOHN ERNSTING AWARD  
**Thomas G. Smith, MBBS, DAVMed**  
 (George Anderson, Environmental Tectonics Corporation)



2020 KENT K. GILLINGHAM AWARD  
**Alistair Bushby, MA, MB, BChir, MRCGP, MFOM, DAvMed**  
 (Joe Ortega accepts; AMST)



2021 KENT K. GILLINGHAM AWARD  
**John R. Rollin Stott, MA, MBBChir, MRCP, DAvMed**  
 (Chuck DeJohn accepts; AMST)



2020 WALTER & SYLVIA GOLDENRATH AWARD  
**Brian Musselman, CAsP, FAsMA**  
 (Kim Broadwell, AsMA Foundation)



2021 WALTER & SYLVIA GOLDENRATH AWARD  
**Vincent Musashe, MS, CAsP, FAsMA, CAPT, MC, USN(Ret)**  
 (Kim Broadwell, AsMA Foundation)



2020 WON CHUEL KAY AWARD  
**Robert Orford, MD, CM, MS, MPH**  
 (Jeff Sventek, representing the Korean Aerospace Medical Association)



2021 WON CHUEL KAY AWARD  
**Robin F. Griffiths, MBChB(Hons), FAFPHM, FAFOEM, FFOM, FFOM(I), FACOEM, MPP, DAvMed, DIH, FAsMA**  
 (Jeff Sventek, representing the Korean Aerospace Medical Association)



2020 JOE KERWIN AWARD  
**Jeffrey R. Davis, MD, MS**  
 (Lynn Pickett, KBR)



2021 JOE KERWIN AWARD  
**Smith L. Johnston, III, MD, MS, FAsMA**  
 (Lynn Pickett, KBR)



2020 MARY T. KLINKER AWARD  
**Kathleen Flarity, DNP, PhD, CEN, CFRN, FAEN**  
 (Jeff Svntek, representing ZOLL Medical Corporation)



2021 MARY T. KLINKER AWARD  
**Benjamin Johansen, MD, MPH (William Tarver accepts)**  
 (Jeff Svntek, representing ZOLL Medical Corporation)



2020 ERIC LILJENCRANTZ AWARD  
**Stephen Véronneau, MD, MS, LMCC, FAsMA**  
 (Russell Rayman, Aerospace Medical, PLC)



2021 ERIC LILJENCRANTZ AWARD  
**Leonid Hrebien, Ph.D., FAsMA, FAsHFA**  
 (Russell Rayman, Aerospace Medical, PLC)



2020 RAYMOND F. LONGACRE AWARD  
**Gary E. Beven, MD**  
 (Brian Musselman, Aerospace Human Factors Assoc.)



2021 RAYMOND F. LONGACRE AWARD  
**Robert Mulcahy, MD, MPH**  
 (Brian Musselman, Aerospace Human Factors Assoc.)



2020 THEODORE C. LYSTER AWARD  
**Gordon Cable, MBBS (Hons), ACCAM (Monash),  
 PGDipAvMed (Otago), GDOHSM (Adelaide)**  
 (Susan Fondy, Society of U.S. Army Flight Surgeons)



2021 THEODORE C. LYSTER AWARD  
**Anil S. Menon, MD, MPH, MS**  
 (Susan Fondy, Society of U.S. Army Flight Surgeons)



2020 MARIE MARVINGT AWARD  
**Michael Schmidt, PhD (Dwight Holland accepts)**  
 (Jeff Svntek, representing La Société Francophone de  
 Médecine Aéropatiale)



2021 MARIE MARVINGT AWARD  
**Lindsey K. McIntire**  
 (Jeff Svntek, representing La Société Francophone de  
 Médecine Aéropatiale)



2020 HARRY G. MOSELEY AWARD  
**Jochen Hinkelbein, Prof., MD, FAsMA**  
 (Chris Backus, International Association of Military Flight Surgeon Pilots)



2021 HARRY G. MOSELEY AWARD  
**Lina Maria Sanchez Rubio, MD, PhD, FAsMA, Col (Ret), COLAF**  
 (Chris Backus, International Association of Military Flight Surgeon Pilots)



2020 JOHN PAUL STAPP AWARD  
**Chris Albery, BS**  
 (Bob Laurent, Environmental Tectonics Corp.)



2021 JOHN PAUL STAPP AWARD  
**Amanda M. Taylor, BS, MS (Melchor Antuñano accepts)**  
 (Bob Laurent, Environmental Tectonics Corp.)



2020 JOHN A. TAMISIEA AWARD  
**Farhad Sahiar, MD, MS, FAsMA**  
 (Gerald Saboe, Civil Aviation Medical Association)



2021 JOHN A. TAMISIEA AWARD  
**Warren Silberman, DO, MPH, FAsMA**  
 (Gerald Saboe, Civil Aviation Medical Association)



2020 THOMAS J. AND MARGARET D. TREDICI AWARD  
**Douglas Ivan, M.D., FAsMA, FRAeS**  
 (Dan Van Syoc, Tredici Endowment Fund, and Kim Broadwell, AsMA Foundation)



2021 THOMAS J. AND MARGARET D. TREDICI AWARD  
**Ari Taniguchi-Shinojima, M.D., Ph.D. (Kazuhiro Shimada accepts)**  
 (Kim Broadwell, AsMA Foundation, and Dan Van Syoc, Tredici Endowment Fund)



2020 ARNOLD D. TUTTLE AWARD  
**Lonnie G. Petersen**  
 (Lynn Pickett, KBR)



2021 ARNOLD D. TUTTLE AWARD  
**Karl Rickard Johan Ånell, MD, and co-authors**  
 (Lynn Pickett, KBR)



2020 JULIAN E. WARD MEMORIAL AWARD  
**Michael Harrison, MD, PhD, MPH**  
 (Raymond Clydesdale, Society of USAF Flight Surgeons)



2021 JULIAN E. WARD MEMORIAL AWARD  
**Michelle Hong Chan, MD, PharmD**  
 (Raymond Clydesdale, Society of USAF Flight Surgeons)

## Presidents' Citations



**President's Citation 2020:** Phil and Walt Galanty of AIM Meetings receive the citation from Joe Ortega for their yeoman's efforts to reschedule and reorganize our 2020 and 2021 meetings during the COVID-19 pandemic.



**President's Citation 2021:** Susan Fondy accepts the citation on behalf of the Education and Training Committee from Chuck DeJohn for mentoring student and resident members and expanding collaboration within the aerospace medicine community.

## Presidents' Pins and Gifts



**2020 President's Pin:** Holly Ortega pins the Past President pin on Joe Ortega.



**2020 President's Gift:** Chuck DeJohn presents the Past President's gift to Joe Ortega.



**2021 President's Pin:** Billie DeJohn pins the Past President pin on Chuck DeJohn.



**2021 President's Gift:** Jim DeVoll presents the Past President's gift to Chuck DeJohn.

## 2020 & 2021 Classes of Fellows



**2020 Class of Fellows:** Pictured here are the 2020 Fellows who were able to be at the meeting. On the far left is Warren Silberman, Chair of the Fellows Group, and on the far right is Joe Ortega, 2019-2020 AsMA President. The full list of 2020 Fellows can be found in the October 2020 issue of the journal: *Aersp Med Hum Perform.* 2020; 91(10):766.



**2021 Class of Fellows:** Pictured are the 2021 Fellows who were able to be at the meeting. Chuck DeJohn, 2020-2021 AsMA President, stands at the far left and Warren Silberman, Chair of the Fellows Group, is on the far right. The full list of 2021 Fellows can be found in the September 2021 issue of the journal: *Aersp Med Hum Perform.* 2021; 92(9):769.

## Award Winners Receive Awards

After the meeting, awards were sent out to those who were unable to attend. The photos below were sent to us courtesy of the award winners. A photo of the Stott family receiving Dr. Rollin Stott's posthumous award appeared in the [October newsletter](#) and the December journal [*Aersp Med Hum Perform.* 2021; 92(12):1002].



**BAUER AWARD**—Royce Moser with the 2020 Louis H. Bauer Founders Award.



**BOOTHBY-EDWARDS AWARD**—Ries Simons with the 2021 award plaque.



**GILLINGHAM AWARD**—Alistair Bushby with the 2020 award.



**LONGACRE AWARD**—Robert Mulcahy with the 2021 Raymond F. Longacre Award.



**MOSELEY AWARD**—Jochen Hinkelbein with the 2020 Harry G. Moseley Award (photo made by MedizinFotoKoeln).



**TREDICI AWARD**—Ari Taniguchi-Shinojima with the 2021 Louis H. Bauer Founders Award.



**Lyster Award:** Gordon Cable with the 2020 award.

A photo gallery of general meeting photos is available online at: <https://aeromed.smug-mug.com/2021-91st-Annual-Scientific-Meeting/>.

**Minutes of the Aerospace Medical Association 91st Annual Business Meeting**  
*Tuesday, August 31, 2021, Sheraton Denver Downtown, Denver, CO*



DeVoll



Sventek

**Call to Order (Jim DeVoll):** A quorum of more than 100 members in attendance was met and the meeting started at 12:05 pm MDT on Tuesday August 31, 2021.

**In Memoriam (Jim DeVoll):** Attendees paused to reflect and remember those members of AsMA who passed away since the last AsMA conference in 2019.

**Recognition Of Past Presidents (Jim DeVoll):** All past presidents were invited to rise.

**President’s Report (Jim DeVoll):** Welcome to everyone and thank you for being here today. We need to acknowledge our previous two Presidents, Joe Ortega and Chuck DeJohn, for adapting and making the needed changes to keep AsMA on track, through two challenging years. Our Executive Director, Jeff Sventek, and the entire home office staff has been seamless in their performance and kept the organization fiscally stable. Since our last virtual meeting of the Council on May 23, 2021: The AsMA Corporate Forum sponsored a well-attended virtual presentation by Mr. John Vickers of Blue Abyss on their program for helping prepare passengers for future commercial spaceflights. The AsMA Resolution 2020-01 titled “Vital Nature of Board-Certified Physicians in Aerospace Medicine” that passed at the May Council meeting received overwhelming approval from the AsMA membership and additional support from the American Osteopathic Association in a parallel resolution. AsMA was approached by Dr. Richard C. Pleus, with an application for Affiliate Organization status by the Aerospace Toxicology Association.

Dr. Karen Klingenberger has forwarded a proposal from the Aerospace Nursing and Allied Health Professionals Society (ANAHPs) Board of Directors for an AsMA Special Committee on Commercial Spaceflight [for proposed consideration at this meeting]. Dr. Joe Ortega (Past President) participated in a panel presentation for the National Medical Association regarding preventive medicine organizations and COVID-19, discussing AsMA membership and structure, definition of aerospace medicine, space news and COVID-19 activities. AsMA has and will continue to provide valuable contributions to the ICAO CASAG (COVID-19 Aeromedical Science Assessment Group), which is hosted by the CAPSCA (Collaborative Arrangement for the Prevention and Management of Public Health Events in Civil Aviation) working group. The most exciting update is we are here in Denver!

**Report of the Executive Director (Jeff Sventek):** ‘Welcome and thank you for taking time to be here.’ Highlights of the Executive Director’s Report: AsMA applied for Payroll Protection Loan and initially received \$94,000. The second loan has been approved.

Within the AsMA headquarters building, there is only one tenant left, who has changed their lease and expanded to the original space. Explanation of change of venues due to the pandemic: The May 2021 Scientific Meeting was originally to be in Reno. Reno could not accommodate a delayed AsMA in Aug 2021. However, the Denver Sheraton could accommodate us and as part of the agreement we will be back to the Denver Sheraton in 2026. Reno will now be the site of the next Scientific Meeting in late May 2022, without incurring a penalty of \$500,000 for the change in dates. Although AsMA received many concerned requests to cancel the meeting, contractually the only way that we could have canceled this conference without financial penalty was if a government entity had published a policy that prohibited large gatherings the size of ours. Total number of registrants is currently 912: 148 are from outside of the United States, 764 are from within the United States. AsMA decided to provide 100% refunds for registrants who requested them.

**Membership:** as of August 20th, we have 2012 total members. That has changed since then; we actually now, on 31 August, have a membership total of 2032. Allied membership: AsMA test membership for citizens of countries who are listed as medium or low-income countries based upon the annual UN report; 29 allied members that are taking advantage of that membership fee. The allied membership fee of \$50 US per year, includes: 1.) electronic journal and 2.) complimentary registration. The goal was 50 allied members to be a viable program; however due to the COVID-19 pandemic we will continue for an additional year and reassess in November 2022. Virtual CME events: We ran several of those last year for the first time. All were successful. Virtual CME events are a venue that we’re going to have to consider doing more of in the future. Membership issues: There was an automatic renewal effort using credit card information stored in a secure program, however it was not successful because members’ credit card information also changed frequently. Now we offer the opportunity for members to use their checking account to renew (it doesn’t seem to change as frequently as credit cards). Constituent Membership: Dr. Flarity, president of ANAHPs received a letter from AsMA

*See ‘Business Meeting,’ p. N75*

to ANAHPS notifying them of the concerns of the low ANAHPS membership that's been tracking for several years now. In November of this year, when the AsMA Council meets, if the ANAHPS membership is not at the 2% or above the total AsMA membership, then a decision will have to be made as to whether ANAHPS can continue as a constituent organization or have to consider moving to an affiliate status. COVID-19 Waiver of Liability: Everyone must complete form at registration. COVID-19 Test Kits for international attendees: 6 test kits purchased with AIM Meetings & Events for international attendees to use prior to returning home. Reno 2022 Joint Scientific Meeting with Undersea and Hyperbaric Medical Society (UHMS): The last several years, we've worked CME accreditation through UHMS for all of our activities, webinars, and this 2021 meeting. The 2022 Reno conference will be a joint (AsMA and UHMS) conference with a track dedicated to undersea and hyperbaric medical presentations. UHMS have been using electronic poster boards for some years and we are going to follow their lead. UHMS will be in charge of poster presentations next year, with electronic posters, using their technology and their experience. The plan right now is for UHMS to process their abstracts the same way they've always done it. AsMA will conduct its abstract process the same way we've always done it. There will be a carve out track in our program that is dedicated to UHMS abstracts. The total number of tracks (six versus seven) will depend on room and space availability at the Reno facility.

**Report of the AsMA Foundation Chair (Kim Broadwell):** The AsMA Foundation serves AsMA and its members to provide CME and educational opportunities to develop future leaders.... AMSRO proposed a Diversity Scholarship and the AsMA Foundation Board helped AMSRO develop it and voted to fund it. The award is to help support traditionally underrepresented groups in the field of aerospace medicine. The foundation is also managing the Mary F. "Bunny" Foley Endowment. It will be used to recognize women pioneers in aviation and aerospace medicine. There will be an annual "Mary F. Foley Event on Women Pioneers in Aviation and Aerospace Medicine". The inaugural Mary F. Foley event featured "Lessons in Leadership" and took place here in Denver.

**AsMA Foundation Financial Report:** The AsMA Foundation supports aerospace medicine and its allied fields by providing scholarships, awards, research grants, scientific publications, professional development and educational opportunities. A big thank you to all who have stepped up to fulfill our Reach for the Stars goal! AsMA's generosity surpassed the campaign goal of \$50,000 with total contributions in early 2020 totaling \$63,452.... We currently are at \$42,000 to \$43,000 for 2021. AsMA members were encouraged to donate at the Foundation booth with credit card or check during the conference or soon thereafter at [AsMAFoundation.org](https://www.asma.org/foundation.org).

#### **GOVERNANCE (Susan Northrup)**

**Report on AsMA Bylaws Changes (Eilis Boudreau):** The rationale for the changes is to give clear guidance when an ethics issue occurs. Recently it was determined the bylaws needed to be further expanded to provide more explicit guidance on ethics issues. There are lengthy changes, both in

the bylaws themselves and the associated Policy and Procedures Manual to operationalize the changes to the ethics changes of the bylaws. The proposed bylaws changes have been published in the July Newsletter and are in the Denver AsMA meeting 'App' and presented on screen during the business meeting. Jim DeVoll asked for a motion to approve the AsMA Bylaws changes reflecting new ethics guidance. The motion was moved and seconded. In the subsequent discussion, Dr. Ortega commented that the updates to the AsMA ethics procedures provide a framework to investigate and report back to AsMA leadership regarding ethics concerns. The motion was carried without opposition. The following links incorporate the approved changes into the AsMA Bylaws: (<https://www.asma.org/asma/media/AsMA/Governance/AsMA-Bylaws.pdf>) and the AsMA Policies and Procedures Manual, pages 12-15 of 84 (<https://www.asma.org/asma/media/AsMA/Governance/AsMA-P-P-Manual.pdf>).

**Nominating Committee Report (Roland Vermeiren presented virtually):** The Slate of Officers was built between Sept 2020–Dec 2020. The President Elect is Susan Northrup, Vice Presidents are Joe Dervay and Barry Shender, Secretary is Karen Klingenberg, Members at Large elected to 2024 are Rowena Christiansen, Harriet Lester, Ian Mollan, and Deborah White. Roland Vermillion thanked the members of the Nominating Committee and expressed his hope that he would be joining us in Reno in 2022.

**AsMA Treasurer's Report (Nereyda Sevilla presented virtually):** Initial comments: a million-dollar reserve was maintained via AsMA's financial investments through UBS. The financial plan was executed over the last 2 years, where AsMA had the financial reserves to cover two bad years with potential loss of 500,000 dollars per conference. Thanks to Jeff Sventek for applying to the Payroll Protection Plan (PPP). Additionally with no travel requirements and the ability to get out of the contract in Atlanta, the AsMA balance sheet is almost even....2020 Cancellation of the Atlanta Scientific Meeting was a BIG HIT in revenue, despite the cancellation fee being waived. \$140,000 UBS withdrawal was made to help with end of year expenses. 2021 is on track with Payroll Protection Program (PPP) funds and deferred convention revenue. There was an audit of 2020 books and AsMA passed the audit with flying colors. Going forward we will continue to maintain our financial strategy and focus on membership as a source of revenue, while minimizing external expenses. The full Treasurer's report is available upon request.

#### **REPRESENTATION AND ADVOCACY (Barry Shender)**

**Update on Aerospace Medical Association Resolution 2020-01:** Title of Resolution: 'Vital Nature of Board-Certified Physicians in Aerospace Medicine.' Approval by AsMA lined up perfectly with the American Osteopathic Association (AOA) House of Delegates meeting. AOA also overwhelmingly supported the resolution with a small change; removing, 'be it resolved that applied to international regulation.' Next step is to send letters out to the appropriate individuals: Congressional and major airlines emphasizing the importance of the aerospace medicine specialty.

**Air Transport Committee (Barry Shender):** Work continues on the Air Transport Committee. Further updates forthcoming.

**Communications Committee (Barry Shender):** Diego  
*See 'Business Meeting,' p. N76*

Garcia and Pam Day have been in frequent contact regarding issues in the report and to make updates to the website. Diego will be reaching out to members on the Council for suggestions or volunteers to make podcasts to produce content unique to AsMA audiences.

**Scientific Program abstract mentorship update:** Letters about available mentorship were sent to residents and students to submit their presentations and posters for feedback.

**EDUCATION & RESEARCH (Warren Silberman)**

**Education Research Committee:** Warren Silberman noted that the committee is ably chaired by Susan Fondy. The committee provides public information on relevant science and research on the AsMA Website and continues to focus on STEM education. There is NASA/AsMA Education Outreach effort by Jeff Myers. Mentoring is a strong component of the committee and they are continuing to do speed mentoring virtually.

**MEMBER SERVICES (Joe Dervay)**

**Awards Committee Report (Joe Dervay):** Review of the award winners for 2020 and 2021 revealed two issues to be addressed. First, this is the 3rd year that the Sydney D. Leverett Jr. Environmental Science Award had not received any nominations....Would it be prudent to stop and look at the criteria for the awards as aerospace medicine and human performance has evolved over the years? Second, 'Awards shopping' - nominations for multiple awards for the same individual with almost the same exact verbiage for different awards.

**Membership Committee Report (Joe Dervay):** The efforts of home office are appreciated to establish a more consistent system for auto renewal of dues. The extension of the Allied Membership effort was already mentioned. An interest in membership at the high school level was explored.... Membership Committee has been considering the logistical difficulty of an effort to establish high school clubs. The Committee is reaching out with the AMSRO group to determine if there's an opportunity for them to potentially integrate that effort into their organization.

**INTERNATIONAL SERVICES (Bob Orford):** Despite the travel restrictions during the pandemic we have a significant international presence here in Denver. I would like to acknowledge Environmental Tectonics Corporation for their partnership.

**AsMA-ESAM-IAASM-SoFRAMAS International Conference in Aerospace Medicine (ICAM) Paris - Sept. 2022 (Bob Orford):**

The call for abstracts starts January 15th, 2022, and will be opened till June 15th, 2022. The conference center in Paris City of Science and Industry is large venue with easy access to the Metro subway system. AsMA will be managing all of the registration for ICAM. Hotels near the venue, in the Northeast part of the city, are more reasonable than the hotels downtown.

**AsMA Allied Membership (Bob Orford):** AsMA currently has 29 Allied Members and the program can be sustainable if we reach 50. We already have members in many of the countries, which would be eligible for the Allied Membership. Speaking with members from the eligible countries to encourage additional members would help to achieve this goal.

**Unfinished Business:** None

**New Business:** None

**Closing remarks (Jim DeVoll):** Thanked everyone for being at the business meeting and achieving a quorum in the context of a pandemic.... We have opportunity to do good things at the next meeting in Reno. Recommended a \$100 a month donation to the AsMA Foundation. Roland Vermeiren: "My best from chilly Belgium, we are very sad we cannot join because my European colleagues cannot yet travel to the United States. We will also not have an ESAM meeting this week. Best wishes from your European colleagues."

Motion made and seconded to adjourn meeting at 1:10 pm MDT.

**Jeffrey C. Sventek, MS, CAsP, Executive Director**  
**Karen Klingenberger, MD, RN, Secretary**

**Gloria Recognized**



During Opening Ceremonies, Jeff Sventek, Executive Director of AsMA (left), called Gloria Carter (center) up to recognize her for 40 years of service to the Association. She retired last year. Chuck DeJohn, 2020-2021 AsMA President (right), looks on.

**50-Year Pins**



Chuck DeJohn, 2020-2021 AsMA President (center), presented Drs. George Anderson (left) and David Schroeder (right) with their 50-year pins. Other 50-year members are: from 2020, R. Paul Caudill, Carolyn Huntoon, Robert McMeekin, Robert Mecklenburg, and Fred Pasternack; and from 2021, William Clarke and Phyllis Luttmann.

## 2021 Lectures



**REINARTZ LECTURE**—On Tuesday, August 31, 2021, Dr. Anthony Wagstaff (left) gave the 7th Annual Reinartz Lecture: "The Feedback Loop of Aerospace Medicine and Human Performance." In the photo, he is accepting a memento from Chuck DeJohn, 2020-2021 AsMA President, on the right.



**ARMSTRONG LECTURE**—On Thursday, September 2, 2021, Serena Aunon-Chancellor (on the screen) remotely gave the 55th Armstrong Lecture: "The Future of Science in Low Earth Orbit." Environmental Tectonics Corporation represented by Bob Laurent (right) provided the educational support. Chuck DeJohn, 2020-2021 AsMA President, is on the left.

**BAUER LECTURE**—Above left: On Monday, August 30, 2021, Paul Friedrichs (on the screen) remotely gave the 66th Bauer Lecture: "The Urgency of Doing". Educational support was provided by KBR, represented by Lynn Pickett (left) with Chuck DeJohn, 2020-2021 AsMA President (right). Below left: Brig. Gen. Friedrichs holds the memento sent him as a thanks for doing the Bauer Lecture.

The full lectures can be viewed online: <https://www.asma.org/scientific-meetings/asma-annual-scientific-meeting/proceedings>. Top three photos by Pamela C. Day.

## Phantom President



Honors Night was run by both Joe Ortega and Chuck DeJohn as 2 years of awards were given out. During the opening, Joe Ortega joked he was the 'invisible president' because the 2020 meeting, which he would have presided over, was cancelled due to the pandemic.

## Constituents - Send Us Your News!

Send us photos and brief bios of your award winners for inclusion in future newsletters. News items can be sent to Rachel Trigg at [rtrigg@asma.org](mailto:rtrigg@asma.org).

## Recent AsMA Financial Activities and Report of a Scam

November 17, 2021, the AsMA Council reviewed recent Association financial actions. This included the transfer of \$100,000 from the AsMA investment fund to cover the costs of a sophisticated scam operation. Council recommended that this information be shared with the AsMA membership to for transparency and to alert our members to the nature of the scam. It is important to understand the AsMA HQ has always pursued and maintained policies and procedures that ensure data and financial security.

Our successful 91<sup>st</sup> Annual Scientific Meeting in Denver, with a higher than expected 943 attendees, generated a net income of \$162,000. Denver and the COVID-19 mitigation strategies implemented for the event worked as designed. AsMA received zero reports of illness during the Annual Scientific Meeting and zero reports of illness attributable to the meeting in Denver. Following an analysis of the AsMA operating funds, \$150,000 was moved from the investment account to provide necessary funds for remainder of 2021. Subsequently an additional \$100,000 was transferred for the following reasons:

AsMA made a large deposit payment to our audio-visual vendor on August 17, 2021. When we calculated the required operating funds for 2021, we assumed this check had been processed and paid. However, on October 26, 2021 we received notice from our meeting organizer vendor that no check had been received by the audio-visual vendor. We reviewed the checking account and confirmed the check was

*See 'Scam Warning,' p. N78*

**From 'Scam Warning' p. N77**

still outstanding. Our initial request for \$150,000 from the AsMA investments had not accounted for this outstanding large amount.

On September 30, 2021, AsMA received an email from our meeting organizer vendor which included a final invoice for nearly \$44,000 from the Sheraton Denver Downtown Hotel. A subsequent email from the meeting organizer vendor that requested the final payment to be made via bank wire, so that was done and a subsequent email from the meeting organizer vendor confirmed that the Sheraton invoice had been paid in full. However, we questioned a subsequent email request by meeting organizer vendor for an additional \$10,000 to be paid to the Sheraton Denver Downtown Hotel to cover costs associated with our upcoming site visit to our 2022 venue since that visit was to the Peppermill Resort Hotel in Reno and the Sheraton Denver Downtown Hotel had confirmed our account paid in full. I contacted the meeting organizer vendor and learned that they had not sent any of the emails we had received. Also, the Sheraton Denver Downtown Hotel confirmed the bank wire information provided for us to make the payment was not their bank wire information. We realized we had been scammed. Because of the scam the meeting organizer vendor's email account was immediately shut down, reports were made to the local police, the Bank Fraud Department, the Federal Bureau of Investigation, and our commercial insurance broker. Our bank is working to recover the money but informed us it takes a long time even if they are successful. Our insurance agency filed a claim and we are waiting to hear whether our insurance policies cover this type of fraud. A check in the final invoice amount was sent to the Sheraton Denver Downtown Hotel on October 19, 2021.

The scam, combined with not recognizing the outstanding check to the audio-visual vendor, resulted in miscalculating required 2021 operating funds by nearly \$100,000. The AsMA Executive Committee approved my request to transfer an additional \$100,000 from the AsMA investments to cover 2021 operating costs. I was asked to inform you of these events for two reasons: (1) complete transparency of the recent AsMA financial issues, and (2) warn you of highly sophisticated scam operations that tricked the AsMA staff and could potentially affect other organizations or you personally. The emails sent to us from our meeting organizer vendor's email account looked legitimate and we had no reason to question the veracity of the emails until we received the request for an additional \$10K. We have therefore taken two measures to prevent this type of event from happening again. First, we have implemented a new policy of not taking action on any request for electronic transfer of funds until an AsMA staff member has called the person or agency requesting the electronic transfer and obtained verbal verification of the request. Second, we worked with our IT vendor to conduct a thorough IT audit of our Office 365 systems, including our Outlook email system. As a result of the audit, we have implemented a multi-layer and multi-factor security and authorization system to better filter phishing and scam emails, though even with these new IT security measures in place, the IT auditor informed us that the scam emails we received from meeting organizer vendor's account would not have been identified as questionable.

When we learned that we were the victims of a sophisticated email scam, we immediately took steps to properly report the scam to the appropriate agencies. We are working with our bank in an attempt to recover some of the money. We have taken actions to improve our IT systems' security and implemented a new policy to verify all future requests for electronic funds transfers. We believe these actions will prevent fraud attempts in the future.

I hope the explanation above will provide all AsMA members better insight into our recent financial actions and the subtle nature of this scam. Please view all unusual emails with a very critical eye.

### **In Memoriam: Luis Amezcua Gonzalez**

AsMA HQ Staff were saddened to hear of the death of Luis A. Amezcua Gonzalez, M.D., a Fellow of the Aerospace



Medical Association. He graduated from the Colegio Civil de la Universidad de Nuevo León in Monterrey, Nuevo León, Mexico, in 1942. He attended the Medical Military School in Mexico City, earning a medical degree and the rank of Major in the Medical Corps in 1949. He then began a rotating internship and medical sub-residency at the Central Military Hospital. Under a Fellowship from the International Civil Aviation Organization (ICAO), he attended a post-graduate training course in civil aviation medicine which included aeromedical certification procedures and standards at the Medical Service of the C.A.A. in Washington, DC, USA; the Aviation Medicine Residency course at Ohio State University in Columbus, OH, USA; the primary course on aviation medicine at the School of Aviation Medicine at Randolph AFB, TX, USA; and the course of Aviation Medicine at the Naval Aeromedical Center in Pensacola, FL, USA. During this time, he was instrumental in the creation of an official branch office of the Civil Aeronautics Directorate of Mexico. As the first Director of the Civil Aviation Medicine Service of Mexico's Civil Aeronautics Directorate, he established one of the most effective aeromedical safety programs in the world. His efforts led to the founding of the National Center of Aviation Medicine, a research and training center.

Dr. Amezcua Gonzalez was appointed an Aviation Medicine Advisor to ICAO in 1983, serving as a lecturer at numerous ICAO seminars. He participated in establishing the Aviation Medicine Section of the Civil Aviation Administration in Bogota, Colombia; creating a Civil Aviation Medicine Division of the Ministry of the Air in Rio de Janeiro, Brazil; and became an instructor at ICAO medical seminars and courses in Buenos Aires, Argentina; Quito, Ecuador; and Panama. He was an Aviation Medicine Advisor and Aeromedical Instructor of the International Center of the Civil Aviation Training in Mexico City for 20 years (1956-1976). For 28 years, he served as a professor in aviation medicine at the Military Medical School and was awarded the designation of Emeritus Professor in 1988. He lectured at multiple na-

**See 'Amezcua,' p. N79**

tional and international meetings and was the author of numerous publications on aviation medicine.

Dr. Amezcuá Gonzalez was instrumental in the founding of the Latin American Association of Aviation and Space Medicine (now the Iberoamerican Association of Aerospace Medicine) and the Mexican Association of Aviation Medicine. He was a member of many organizations, including the Civil Aviation Medical Association (CAMA), the International Academy of Aviation and Space Medicine, the Mexican Council of Aerospace Medicine, International Academy of Astronautics, the Argentinean and Chilean Association of Aerospace Medicine, and the Aerospace Medical Association (AsMA). He held numerous awards, including a gold medal granted by the Mexican General Directorate of Civil Aviation, silver medals from the Chilean and Island of Madeira governments, the Emilio Carranz Medal from the Mexican government, and the John A. Tamisiea and Louis H. Bauer Founder's Awards from AsMA.

## New Members

AsMA welcomes 25 new members in December.

- Ahmad, Khaqan; Washington, DC, USA
- Canepa, Carlo; Anchorage, AK, USA
- Correll, Andrew; Englewood, OH, USA
- Crooker, Eric; Houston, TX, USA
- Durham, Tracy; Enterprise, AL, USA
- El-Khoury, Bashir; Friendswood, TX, USA
- Gorecki, Philip; Sussex, WI, USA
- Guzel, Esra; Bialystok, Poland
- Harano, Nina; New York, NY, USA
- Katz, Alexis; New Orleans, LA, USA
- Klingenberger, Kurt; Williamsburg, VA, USA
- Lawton, Paige; Daytona Beach, FL, USA
- Liu, Robert; Bala Cynwyd, PA, USA
- Mateus, Jaime; Hawthorne, CA, USA
- Moser, James; Colorado Springs, CO, USA
- Parker, Victor; Warrensburg, MO, USA
- Proctor, Julie; Baltimore, MD, USA
- Snell, David; Des Moines, WA, USA
- Steck, Kara; Bala Cynwyd, PA, USA
- Swiergol, Max; Phoenix, AZ, USA
- Syed, Ghufuran; Menlo Park, CA, USA
- Thropp, Jennifer; Daytona Beach, FL, USA
- Tucci, Victoria; Bolton, Ontario, Canada
- Waterman, Bruce; Pensacola, FL, USA
- Wojdecka, Anna; Indialantic, FL, USA

AsMA welcomed back one member:

- Sprott, Timothy; Wellington, New Zealand

### Visit Us on Social Media!

**Twitter:** [https://twitter.com/aero\\_med](https://twitter.com/aero_med)

**FB:** [www.facebook.com/AerospaceMedicalAssociation](http://www.facebook.com/AerospaceMedicalAssociation)

**LinkedIn:** [https://www.linkedin.com/company/2718542?trk=tyah&trkInfo=tarId:1404740611720,tas:Aerospace Medical,idx:1-1-1](https://www.linkedin.com/company/2718542?trk=tyah&trkInfo=tarId:1404740611720,tas:Aerospace%20Medical,idx:1-1-1)

## FAA News

### Proposed Medical Requirements for Commercial Hot-Air Balloons

The Federal Aviation Administration (FAA) proposed a rule requiring commercial hot-air-balloon pilots to hold medical certificates when operating for hire. The rule would mandate a second-class medical certificate, the same standard required for commercial pilots.

Currently, commercial balloon pilots are exempt from the medical requirement. In the FAA Reauthorization Act of 2018, Congress directed the FAA to revise the medical certification standards for commercial balloon pilots. The draft rule also addresses a National Transportation Safety Board (NTSB) recommendation that the FAA remove the exemption.

The FAA in recent years took steps to increase the safety of hot-air-balloon tourism by working with the Balloon Federation of America (BFA) on an accreditation program. The program includes voluntary standards for pilots and operators and offers multiple tiers of BFA safety accreditation.

The FAA has published the draft rule in the Federal Register and the public has 60 days to provide comments. After the comment period closes, the FAA will review all comments before publishing a final rule. More information can be found at <https://www.regulations.gov/document/FAA-2021-1040-0001>.

### Drone Safety Campaign

If you are considering buying a drone as a holiday gift, the Federal Aviation Administration (FAA) wants you and your loved ones to understand how to fly it safely. The FAA is launching its *12 Days of Drones* campaign to educate the public about the rules, regulations and best practices of operating a drone. This December, the agency will share important drone-safety information and resources that will help future pilots stay up to date with the latest rules. All of the campaign's safety messages will be posted on the FAA Drone Zone [Twitter](#) and [Facebook](#) accounts throughout the week. The campaign will run each weekday from December 2–17 with each day dedicated to a specific drone safety topic. The FAA also released a [new video](#) reminding everyone of the rules and regulations that drone pilots must follow. Additional information about safely flying a drone is available on the [FAA website](#).

## MEETINGS CALENDAR

Please check meeting websites for changes.

**HFACS Workshops;** Workshops on The Human Factors Analysis and Classification System (HFACS). For more info, visit <https://www.enrole.com/erau/jsp/course.jsp?categoryId=&courseId=HFAC> for in-person and <https://www.enrole.com/erau/jsp/course.jsp?categoryId=558570F8&courseId=OHFA> for online.

## Read Current News Online!

The AsMA, Member, & Industry News are updated as we get news. Visit AsMA's website to see what's new! Members: check the Job Fair each month.

## NEWS OF CORPORATE MEMBERS

### Mayo Clinic Develops Method for Generating Bile Duct Cells

Mayo Clinic researchers have developed a method for generating bile duct cells from stem cells. This technology enables them to study important aspects of primary sclerosing cholangitis, a rare bile duct disease that often destroys the liver. Using these regenerative technologies, Robert Huebert, M.D., and Nidhi Jalan Sakrikar, Ph.D., also confirmed that primary sclerosing cholangitis has links to cellular senescence, a feature of aging cells. This research lays the foundation for additional disease modeling to better understand progression of a complex condition that until now has been poorly understood. Primary sclerosing cholangitis attacks the bile duct, causing inflammation and scarring that damages the liver. Bile ducts carry digestive liquid bile from the liver to the small intestine. With no known therapies, the only hope for people in advanced stages of primary sclerosing cholangitis is a liver transplant. The disease affects approximately 1 in 10,000 people. Regenerative medicine is a new field of practice that seeks to repair or replace damaged cells and tissues that drive disease. Mayo Clinic's Center for Regenerative Medicine supports Dr. Huebert's research as part of its objective of bringing new regenerative cures to the practice.

—Visit <https://newsnetwork.mayoclinic.org/discussion/science-saturday-regenerative-technology-uncovers-new-discoveries-in-liver-disease/> to read more.

### ETC Awarded Contract for UND's School of Aerospace Sciences

Environmental Tectonics Corporation's (ETC's) Aircrew Training Systems (ATS) unit announced it was awarded a contract from the University of North Dakota's (UND's) John D. Odegard School of Aerospace Sciences for its GAT-HELO, Rotary Wing Spatial Disorientation (SD) Trainer. The GAT-HELO is ETC's most cost-effective, helicopter simulator capable of delivering general flight and spatial disorientation training. The specialized GAT-HELO motion platform is designed to create in-flight illusions authentically and safely. The GAT-HELO features a single-seat generic cockpit, instructor station, and robust conditional event based scenario editor software—allowing a variety of meteorological conditions, aircraft instrument and engine failure scenarios, autorotation and tail rotor failure, and interactive SD training profiles to be selected or programmed. UND will be using the GAT-HELO to expose undergraduate helicopter pilots to FAA-recognized vestibular and visual illusions found in aviation, enabling them to avoid, recognize, confirm, prevent, and recover from SD.

—Please see <https://www.etcusa.com/etc-awarded-contract-from-the-university-of-north-dakotas-john-d-odegard-school-of-aerospace-sciences/> for more.

Exhibitor photos were published in the *November newsletter* and in the *December journal* [*Aerosp Med Hum Perform.* 2021; 92(12):1004].

A gallery is available at: <https://aeromed.smugmug.com/91st-AsMA-Annual-Scientific-Meeting-Exhibits/>.

### UTMB's School of Nursing Recognized

The University of Texas Medical Branch at Galveston School of Nursing has been recognized as an Apple Distinguished School for 2021-2024. Joining a growing list of schools across the nation, UTMB's School of Nursing was recognized as a center of innovation, leadership, and educational excellence. The award comes in part thanks to the nursing school's program called iLead (Innovative Learning Environment Accelerating Discovery) that highlights innovation in learning, teaching, and leading with technology in the classroom. Apple Distinguished Schools are recognized as some of the most innovative schools in the world. These schools use Apple technology to connect students to the world, fuel creativity, deepen collaboration, and make learning personal. The ability to be innovative and proficient with the use of technology is a necessary skill to develop for future health care providers. The iLead program demonstrates Apple's vision of learning environments that use Apple products to inspire creativity, collaboration, and critical thinking.

—Please visit <https://www.utmb.edu/news/article/utmb-news/2021/11/02/utmb-school-of-nursing-recognized-as-an-apple-distinguished-school> to read more.

### Corporate News Bites

**MedAire:** MedAire's founder and Chair Joan Garrett has been inducted into the U.S. National Aviation Hall of Fame (NAHF) during the NBAA Conference, for being a visionary who pioneered telemedicine and for founding MedAire, which directs real-time safety services. Her work has made aviation safer. *For the full announcement, please visit* [https://www.businessairnews.com/mag\\_story.html?ident=22907](https://www.businessairnews.com/mag_story.html?ident=22907).

**AOPA:** The Aircraft Owners and Pilots Association (AOPA) have named Matt Eichel, a flight instructor at MIL2ATP, a flight school in Goldsboro, NC, the winner of their 2021 Flight Training Experience Award for best flight instructor in the region. A former U.S. Air Force weapons system officer, Eichel now trains fellow veterans to prepare for airline flying careers at MIL2ATP. He follows MIL2ATP founder Christopher Kreske, who won national instructor of the year honors in 2019. *Please visit* <https://www.aopa.org/news-and-media/all-news/2021/november/19/mil2atp-prepares-military-pilots-for-airline-careers> to read more on this.

**ALPA:** The Air Line Pilots Association, Int'l (ALPA), has issued a statement after the Federal Aviation Administration (FAA) released a Special Airworthiness Information Bulletin about the potential adverse effects that 5G signals could have on radio altimeters. *Please see* <http://www.alpa.org/news-and-events/news-room/2021-11-03-5g-interference-with-radio-altimeters> for the full statement.

## NIOSH Epidemiologist Receives Award

National Institute for Occupational Safety and Health (NIOSH) Epidemiologist Dr. Jennifer Lincoln, an injury epidemiologist currently serving as the associate director for NIOSH's Office of Agriculture, Forestry and Fishing Safety and Health, is a recipient of this year's *National Fisherman Highliner Award*. The award recognizes Dr. Lincoln's exceptional contributions to the fishing industry and to fishing communities. Dr. Lincoln and her fellow 2020 and 2021 Highliner award winners were honored at the Pacific Marine Expo in Seattle, WA, in late November. *National Fisherman*, a publication dedicated to providing the latest news, events, and legislation relevant to the U.S. commercial fishing industry, selects three career commercial fisherman each year to receive their distinguished Highliner award. This award acknowledges those who go above and beyond in the fishing industry and their communities. *National Fisherman* has honored Highliners for over 40 years, but this year marks the first time they selected individuals who have dedicated their career to improving the safety of workers in the fishing industry outside of the commercial fishing career.

—Please see <https://www.cdc.gov/niosh/updates/upd-11-16-21.html> for the complete release.

## Konan Medical Rejoins AsMA

Konan Medical, a global leader in diagnostic devices for the ophthalmic industry, are welcomed back by AsMA as a Corporate Member. Konan focuses on innovative ophthalmic diagnostic devices and are globally recognized by eye care professionals, regulatory groups, professional reading centers, and clinical trials experts. Most recently, they announced the launch of their newest endothelial imaging system. The new system adds a single-button exam that acquires images of both eyes and conducts an automated analysis. It features a larger imaged area, superior image clarity, and guttata recognition and redaction from cellular calculations.

—For the full press release on the new system, please see [https://www.prweb.com/releases/konan\\_medical\\_introduces\\_cellchek20\\_the\\_next\\_generation\\_specular\\_microscope/prweb17434625.htm](https://www.prweb.com/releases/konan_medical_introduces_cellchek20_the_next_generation_specular_microscope/prweb17434625.htm). To learn more about Konan Medical, visit <https://www.konanmedical.com/>.

## IFALPA Participates in ICAO COVID-19 Conference

IFALPA welcomed the declaration made today by the Ministers participating in the International Civil Aviation Organisation's (ICAO) High Level Conference on COVID (HLCC) to address the global crisis in aviation caused by the COVID-19 pandemic. Alongside other groups, IFALPA issued a statement welcoming Ministers' commitment to tak-

ing effective measures to safely restore international connectivity and support the revival of the global economy. The statement also highlighted the need to implement risk-based, pragmatic approaches such as mutual recognition of vaccines and interoperable solutions for proof of health status, and emphasised industry's willingness to work with ICAO and States to support the recovery of the aviation sector. This statement comes as world government and industry stakeholders conclude the two-week long HLCC that centred on round-table sessions bringing together Ministers of Transport and Health with senior civil aerospace sector leaders.

—Please visit <https://www.ifalpa.org/news/ifalpa-participates-in-icao-high-level-conference-on-covid-19/> to read more. The full statement is available at <https://www.ifalpa.org/media/3682/industry-statement-of-hlcc.pdf>.

## KBR Team Is Trusted Advisor in Australia

KBR is helping to meet the challenges of climate change, water security and carbon emissions, among others by offering water solutions to their customers. KBR's Infrastructure Services (IS) business in Australia recently expanded its team to offer full water cycle solutions with the introduction of Water Solutions, a specialized new team of industry leading economists and strategic thinkers who help customers tackle complex challenges by providing early-phase strategic solutions for realizing the best water outcomes for regional communities and industries in Australia. The team operates through three predominant streams. First, they help organizations identify options for water infrastructure projects, through which they undertake stakeholder engagement and develop strategic and technical business cases that assess the feasibility of regional irrigation and agricultural projects and urban water schemes. Secondly, they establish deep customer partnerships at this early phase, opening the door to offer pre-construction support. The third stream involves strategic client-side support blending seamlessly into integrated customer teams to build councils' and water organizations' capability, placing them in a position to deliver projects that ensure the long-term water security of Australia's regions, helping to strengthen the regions' ability to respond to climate challenges.

—Please visit <https://www.kbr.com/en/insights-news/stories/kbrs-water-solutions-team-strengthens-position-trusted-advisor-australia> to read more.

### Want to see your company's news here?

Corporate Members get meeting, advertising, and journal discounts. If your company is not a member, become one! Please visit [www.asma.org/for-corporations](http://www.asma.org/for-corporations) for more details.

**AsMA wishes everyone a safe, merry,  
and peaceful holiday season!**