

Susan Northrup Installed as AsMA President; Joseph Dervay as President-Elect

Susan E. Northrup, M.D., M.P.H., FAsMA, was installed as President of AsMA during the Annual Business Meeting, held May 24, 2022 at the Peppermill Resort and Casino in Reno, NV. In 2021 Dr. Northrup was appointed as the first female FAA Federal Air Surgeon. She joined the FAA in April 2007 as the Southern Regional Flight Surgeon. She is now responsible for all aerospace medicine efforts within the FAA including airman medical certification, air traffic control health program, AME designee management, internal and external substance abuse testing, and aeromedical research. She was awarded the FAA’s Flight Surgeon of the Year Award in 2008 and Outstanding Manager in 2018. In 2017, she was selected as the Senior Regional Flight Surgeon with operational responsibilities for the entire nation. Prior to joining the FAA, she was Regional Medical Director for Air Crew and Passenger Health Services for Delta Air Lines from 2001 to 2005, Medical Consultant for the National Pilots Association 2005 to 2007, and did other consulting from 2005–2007. Dr. Northrup served in the U.S. Air Force on active duty from 1990 to 2001, and as a Reservist from 2001 to 2010, retiring as a Colonel.



Dr. Northrup obtained a Bachelor of Arts in Chemistry with Honors in Liberal Arts from The Ohio State University in 1985 and stayed on to get her Medical Degree in 1989. She was awarded a Masters in Public Health from the University of Texas, Health Science Center Houston, School of Public Health in 1994. She completed Residencies in Aerospace Medicine and Occupational Medicine in 1995 and 1996, respectively, becoming Board Certified in both disciplines.

A private pilot, she is an acknowledged expert in aviation medicine. While serving in the Air Force, she was the U.S. Head of Delegation to NATO’s aeromedical working group. More recently, she has served the FAA as the FAA medical subject matter expert to ICAO’s COVID response activities and the COVID IMT and the Office of Aerospace Liaison to the Air Traffic Organization.

Dr. Northrup’s awards and honors include TAC Flight Surgeon of the Year, the Air Force Meritorious Service Medal with two oak leaf clusters, the Air Force Achievement Medal with a single oak leaf cluster, and the Air Force Outstanding Unit Award with Valor and a single oak leaf cluster. The Aerospace Medical Association presented her with the John A. Tamisiea Award in 2015 and the Admiral John C. Adams Award in 2020. A Fellow of AsMA, she is a member of the Red River Valley Fighter Pilots Association, the Society of USAF Flight Surgeons, the International Airline Medical Association, the Civil Aviation Medical Association, and the American Society of Aerospace Medicine Specialists. She spent nine years (2007–2016) as a trustee for the American Board of Preventive Medicine in several capacities, including as the Vice Chair Aerospace Medicine. She is also a Selector for the International Academy of Aviation and Space Medicine and was Chair of the Air Transportation Association Medical Committee. She is on the Adjunct Faculty for the USAF School of Aerospace Medicine.

Joseph P. Dervay, M.D., M.P.H., MMS, FACEP, FAsMA, FUHMS, was elected as President-Elect of AsMA during the Annual Business Meeting, on May 24, 2022. He will be installed as President next year. Dr. Dervay is currently a Flight Surgeon at the NASA Johnson Space Center, having served there over 25 years. Completing undergrad at Cornell University, and a Doctor of Medicine at Syracuse - Upstate Medical Center, he subsequently trained to become a Navy Flight Surgeon, serving aboard the aircraft carrier *USS John F. Kennedy*.

Dr. Dervay completed an Emergency Medicine Residency at The

George Washington University, Space Medicine Fellowship and Aerospace Medicine Residency at UTMB Galveston/NASA, and Hyperbaric Medicine training at University of Texas Health Science Center, Houston.

Dr. Dervay has served as Crew Surgeon for numerous Space Shuttle and long-duration International Space Station missions, including support of the 2020 NASA/SpaceX Demo-2 test flight as the first Commercial Crew mission. His roles have included work in Russia at the Star City - Cosmonaut training center, and support of U.S. Astronauts during Soyuz launch and landing activities in Kazakhstan. He Co-Chairs the Multilateral Medical Operations Panel, comprised of medical representatives from the Canadian, European, Japanese, and Russian space agencies. He completed research on Bubble Nucleation at Altitude during his Master of Medical Sciences degree and has been deeply involved with development of NASA EVA Prebreathe Protocols.



Retiring with the Navy rank of captain, he completed 35-years of Active and Reserve service with numerous Navy & Marine Corps units worldwide.

Dr. Dervay has been a member of AsMA since 1985. Prior to selection as President-Elect, he served 3 years as an AsMA Vice President. Over his years of service to AsMA, he served four 3-year terms on AsMA council as a Member-at-Large, and several years on the Executive Committee. Dr. Dervay has been a longstanding member of the Scientific Program Committee and was Scientific Program Chair for the 2007 meeting in New Orleans. He has served as Chair of the Communications, Membership, and Resolutions Committees. He has been a member of numerous Constituent and Affiliate organizations, including the Society of U.S. Naval Flight Surgeons and International Association of Military Pilot-Physicians. Dr. Dervay served as President of the Society of NASA Flightsurgeons and the Space Medicine Association. An AsMA Fellow, he was inducted into the International Academy of Aviation and Space Medicine (IAASM).

Other elected officials are: Vice Presidents: Robert Orford, MD, CM, MS, MPH (2-Yr Term), Warren Silberman, DO, MPH (2-Yr Term), and Rebecca Blue, MD (1-Yr Term – to complete Dervay Term); and **Treasurer:** Casey Pruet, BS, MS, MBA. **Members-at-Large are:** Ilaria Cinelli, PhD, W. Brent Klein, MD, MPH, Peter Lee, MD, PhD, MPH, MS, Anthony Wagstaff, MBBCh, DAvMed.

We’re Sorry!

Please accept our apology for the lateness of this issue. Due to a ransomware attack on our printing company, we are experiencing significant delays in the production of our journal. We hope to be back on track soon.

Read Current News Online!

Ever Upward! The AsMA Online Newsletter is posted monthly: <http://www.asma.org/news-events/newsletters>. The newsletters go back to 2015.

The News Archives going back to 2004 are also online on the website:

<https://www.asma.org/news-events/asma-news-archive>

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The 92nd Annual Scientific Meeting: The Week in Pictures

SUNDAY, MAY 22, 2022



The Scientific Program Committee, chaired by Dr. Charles Reese (above), met to provide orientation to the session chairs.

The Welcome Reception, sponsored by the Mayo Clinic, provided great food and a chance to view the exhibits and visit with friends. Among the exhibitors were AsMA Corporate Members, KBR, UTMB, and ETC (bottom row).



MONDAY, MAY 23, 2022



(Photos Top row to Bottom row, Left to Right). UHMS President, Dr. Marc Robins, and AsMA President, Dr. James DeVoll, co-oped the annual meeting. AsMA Past President, Dr. Joe Ortega presented the slate of officers for AsMA. The Stanley R. Mohler, M.D., Aerospace Medicine Endowed Scholarship was presented to Lauren Church by Kim Broadwell representing the AsMA Foundation and Jim DeVoll, AsMA President for 2021-2022. The Anita Mantri, Ph.D., Memorial Travel Scholarship was presented to Victoria Tucci by Kim Broadwell, representing the AsMA Foundation. The recipient of the AsMA International Scholarship, Ahmed Baraka, could not be present. The Curtis Langdon Group played at Opening Ceremonies. Speed Mentoring Program pairs AsMA members who are established in their careers with younger members and students interested in learning about careers in Aerospace Medicine. It is done like Speed Dating! Gary Gray receives his pin as a Member of AsMA for 50 years. Other 50-yr members who could not be present are: John Bishop, Ernst Hollman, Chandler Phillips, and David Zanick.



TUESDAY, May 24, WEDNESDAY, May 25, and THURSDAY, May 26, 2022



At the Corporate Forum Reception--Pam Day, Adam Sirek, Marian Sides, Katy Samoil, and Ari Epstein.



At the International Reception--Eric Sprague and Bob Laurent, representing the sponsors, ETC.



Dick Trumbo 5k Run/Walk top 3 female and male winners with UHMS President Marc Robins: Jared Price, Karen Ong, Sheryas Iyer, Joanna d'Arcy, Abigail Vargo, and Alex Wolbrink.



The RAM Bowl in action.

Photo by Tom Workman.



Jim DeVoll and his family at the President's Reception.



Sean Daigre, representing Harvey Watt & Co., sponsor of the President's Reception, with AsMA President, Jim DeVoll.



(Left) Passing the gavel from outgoing AsMA President, Jim DeVoll, to incoming President Susan Northrup. (Center) Susan Northrup presents the Past President's gift, and Jim DeVoll's daughter, Marguerite, pins him with the Past President's Pin (Right).

AEROSPACE MEDICAL ASSOCIATION HONORS NIGHT AWARDS

Peppermill Resort & Casino, Reno, NV, May 26, 2022

This year our Honors Night Ceremonies were shared between the Aerospace Medical Association (AsMA) and the Undersea and Hyperbaric Medical Society (UHMS). Both organization presented their annual awards. The president of AsMA, James R. DeVoll, M.D., M.P.H. and the president of UHMS, Marc Robins, D.O., presided over each organizations awards.

Dr. DeVoll presented 19 awards to outstanding members during the Honors Night ceremonies at the 93rd Annual AsMA Scientific Meeting, May 26, 2022, at the Peppermill Resort and Casino, Remo, NV. Eric Olins, M.D., Chair of the Awards Committee read the citations, assisted by Dr. Dwight Holland. The names of the awards' sponsors and representatives, when present, are printed in parentheses.

All photos by Pamela C. Day. A photo gallery is available at:
<https://aeromed.smugmug.com/Honors-Night-2022/>.



**James DeVoll, 2021-2022
AsMA President**



ADMIRAL JOHN C. ADAMS AWARD
Lina Maria Sanchez Rubio, M.D., Ph.D., Col.(Ret.)
 (Jonathan Elliott, Society of US Naval Flight Surgeons)



LOUIS H. BAUER FOUNDER'S AWARD
Marian B. Sides, Ph.D., M.S.N.
 (Clayton Cowl, Mayo Clinic)



BOOTHBY-EDWARDS AWARD
Ian Hosegood, MBBS, DAvMed
(Kate Manderson accepts)
 (Michael Berry for Harvey W. Watt & Co.)



JOHN ERNSTING AWARD
William P. Butler, M.D.
 (George Anderson, Environmental Tectonics Corporation)



KENT K. GILLINGHAM AWARD
Peter A. Hancock, D.Sc., Ph.D.
(Dwight Holland accepts)
(Erich Roedig, AMST)



WALTER AND SYLVIA GOLDENRATH AWARD
Deborah J. White, Ph.D., M.B.A., M.A.
(AsMA Foundation)



WON CHUEL KAY AWARD
David Powell, M.D., M.Sc.
(JounSoon Jang, Aerospace Medical Association of Korea)



JOE KERWIN AWARD
Serena Auñon-Chancelor, M.D.
(Casey Pruett accepts)
(Keith Kreutzberg, KBR)



SIDNEY D. LEVERETT ENVIRONMENTAL SCIENCE AWARD,
Jeremy Beer, Ph.D.
(Bob Laurent, Environmental Tectonics Corp.)



ERIC LILJENCRANTZ AWARD,
Rebecca Blue, M.D., M.P.H.
(Jeff Sventek for Aerospace Medical, PLC)



RAYMOND F. LONGACRE AWARD
Matthew Dumstorf, M.D., M.S.
 (Tom Nesthus, Aerospace Human Factors Assoc.)



THEODORE C. LYSTER AWARD
Nereyda Sevilla, M.P.H., Ph.D.
 (Susan Fondy, Society of U.S. Army Flight Surgeons)



MARIE MARVINGT AWARD
Daniel Berry, D.O., Ph.D.
 (Olivier Manen, Société Francophone de Médecine
 Aérospatiale)



HARRY G. MOSELEY AWARD
Todd Dart, Ph.D.
 (Christopher Backus, International Association of Military
 Flight Surgeon Pilots)



JOHN PAUL STAPP AWARD
Lindley Bark, B.S.
 (Alper Kus, Environmental Tectonics Corp.)



JOHN A. TAMISIEA AWARD
Clayton Cowl, M.D., M.S.
 (David Schall, Civil Aviation Medical Association)



THOMAS J. AND MARGARET D. TREDICI AWARD
Harriet Lester, M.D.
 (Kim Broadwell, AsMA Foundation, and Douglas Ivan, Tredici Endowment Fund)



ARNOLD D. TUTTLE AWARD
Ross Pollock, B.Sc., M.Sc., Ph.D.
 (Keith Kreutzberg, KBR)



JULIAN E. WARD MEMORIAL AWARD
Bonnie Posselt, B.Sc., MBChB, DAvMed
 (Christopher Backus, Society of USAF Flight Surgeons)



2020 JOE KERWIN AWARD
Jeffrey R. Davis, M.D.
 (Joe Ortega, 2020 AsMA President, and Keith Kreutzberg and Genie Bopp, KBR)



2021 LOUIS H. BAUER FOUNDER'S AWARD
David Newman, M.D.
 (Charles DeJohn, 2021 AsMA President. Sponsored by the Mayo Clinic)



PRESIDENT'S CITATION: The Staff of the Aerospace Medical Association received the honor. Left to right: Jeff Sventek, Sheryl Kildall, AsMA President James DeVoll, Pamela Day, Rachel Trigg, and Gisselle Vargas.

Abridged Minutes of the Aerospace Medical Association 92nd Annual Business Meeting

Tuesday, May 24, 2022,

Peppermill Resort & Casino, Reno, NV

(Full minutes can be accessed in the Members Section of the AsMA website: www.asma.org. You must log in to access.)



DeVoll



Sventek

Call to Order (James DeVoll) A quorum of more than 100 members in attendance was met and the meeting started at 12:00 pm PDT on Tuesday, May 24, 2022.

In Memoriam (DeVoll): The president asked attendees to pause to remember those members who passed away this year.

Recognition of Past Presidents (DeVoll): Dr. DeVoll invited the Past Presidents of AsMA to rise and be recognized.

Report of the President (DeVoll): Welcome to everyone and thank you for being here today. This in person meeting in Reno during our usual May time frame has been a long time coming. A typical governance year would have only two Council meetings, but this year we are having three: August in Denver, our usual mid-year meeting in November, and now. This is a breath of fresh air to communicate with people in person. We are returning to normalcy.

AsMA has continued to support the work of CAPSCA as part of ICAO and the efforts to improve aviation safety in the era of COVID and beyond. Dr. Kris Belland serves as AsMA representative to CAPSCA and continues to do an outstanding job. In January, AsMA representatives (Drs. Salicrup, Schroeder, Wilkinson, and Blocker) provided commentary on a proposed Electronic Bulletin regarding the return to duty, fitness to fly, and/or control post COVID infection. This has been an important effort highlighting the contributions of AsMA to the international aviation industry.

The Home Office staff has continued to be fantastic throughout a hectic year of unique challenges, not to mention the additional planning and coordination challenges of the joint meeting with the Undersea & Hyperbaric Medical Society.

In the February 2022 Newsletter, Pam Day laid out the approved change in the Journal previously approved: the online version will be the primary member benefit starting in July, with an added benefit of greatly reduced cost for color images.

ACGME: The movement to provide definition and separation between the three preventive medicine specialties has certainly been tortuous but we are continuing to see progress. Comments were due to ACGME by Mar 30. [Ed. Note: This was approved in June.]

ACOEM has proposed hosting two virtual roundtables (each 1.5 to 2 hours in length) and an online survey to explore the impact of obesity in the aerospace and defense industry, provide awareness of programs to fight obesity, and identify the feasibility of implementing a comprehensive obesity benefit for employees in this industry. Among other meetings, we are planning a meeting with the Indian Society of Aerospace Medicine this week.

Future issues: A review and update of our dues structure.

Report of the Executive Director (Sventek): Mister President, officers, and members of the Aerospace Medical Association, I am

happy to report that the Aerospace Medical Association is slowly recovering the negative impact of the COVID-19 pandemic. Organizations around the world were negatively impacted by this deadly virus; AsMA was equipped, organized, and operating remotely for several years. The AsMA HQ team business model included working in the AsMA office building 3 days each week and remotely 2 days per week. When government agencies recommended a shelter in place prevention plan, Gisselle Vargas and I built a schedule that required one AsMA employee in the office in the morning, one morning per week. The AsMA employee would arrive at normal opening time and work in the office until the mail was delivered. The employee would sort the mail and distribute appropriately. Once completed, the AsMA employee would then return home and work the remainder of the week safely from home. We are continuing this work schedule until it is clear the virus is completely under control. It should be noted that all AsMA Staff members are full vaccinated against the COVID-19 virus and all of us have received the recommended booster shots as well. I would like to publicly thank the incredible AsMA Staff and our Journal independent contractors for their strong work during the pandemic.

The work of the Association also continued during the pandemic through the efforts of the AsMA Council and AsMA volunteers. I want to thank all who volunteered this past two plus years to help move the Association forward. Thank you for your continued strong support of the Aerospace Medical Association.

AsMA membership dropped during the pandemic but has recovered to around 2,000 active and paying members. As of this report, AsMA membership totals 1,999. We believe part of the reason for the drop in membership was due to not being able to host an in-person Annual Scientific Meeting in 2020 and a mostly U.S. attended meeting in August 2021 in Denver, CO. Many of our members take the opportunity to renew their memberships during the Annual Scientific Meeting and even though our AsMA Staff sent out dues renewal notifications, many members may have waited to renew, hoping an in-person Annual Scientific Meeting would happen. Thanks to all who renewed when notified by the AsMA Staff. We will continue to work toward getting our membership back to the 2,100 number we had prior to the COVID-19 pandemic.

To offer our membership Continuing Education opportunities, AsMA continues to offer virtual continuing education via webinars. AsMA, in collaboration the International Academy of Aviation and Space Medicine (IAASM), hosted a total of three webinars in 2021. Those webinars offered participants updates on the impact of COVID 19 on aviation and space operations as well as plans for preparing to manage the next pandemic. The three webinars offered physicians up to 8.75 hours of CME credits. In 2022, AsMA collaborated with the Mission-Next Foundation in hosting a webinar focused on 'Air Purification Strategies and Technologies to Defeat COVID Today and the Biothreats of Tomorrow.' This webinar offered 3.75 CME credits to physicians. Finally, AsMA collaborated once again with our IAASM colleagues in organizing "Aeromedical Aspects of Civilian Evacuation: Preparation, Reaction and Response." This was another well-attended webinar and offered physicians up to 2.75 CME credits. AsMA will continue to evaluate areas of interest that can be offered via webinar throughout the year so those who cannot attend our Annual Scientific Meeting in person can still benefit from the many Aerospace Medicine experts within our membership.

The 1st International Conference of Aerospace Medicine, scheduled for September 2020, was cancelled, and rescheduled for September 2021. The four organizing associations for this joint international conference includes the Aerospace Medical Association (AsMA), IAASM, the European Society of Aerospace Medicine (ESAM), and La Societe Francaise de Medecine Aerospatiale (SOFRAMAS). These four organizations continued to work toward a successful September 2021 event but realized that international travel would likely be a problem through 2021 and possibly into 2022, so the ICAM was postponed again to September 2022. I en-

courage you to mark your calendars for September 22 through 24, 2022 to attend the 1st International Conference of Aerospace Medicine in Paris, France. Registration for this conference is now open via the AsMA website as well as the ICAM 2022 website.

As of this morning, total registration for this year's joint AsMA/UHMS meeting is 1487. Of this total 1,195 (80.4%) are registered as AsMA attendees and 292 (19.6%) are registered as UHMS as UHMS attendees. This registration total is about the normal number of the registrations we would receive for an AsMA Annual Scientific Meeting during a year without COVID-19. However, the total registrations include a large number of UHMS attendees who might not normally attend an AsMA Annual Scientific Meeting. The 1,195 AsMA registrants represents about 80% of a normal AsMA Annual Scientific Meeting attendance. We are very pleased to have our UHMS colleagues joining us this year Reno.

Finally, I am required to report the Aerospace Medical Association financial status for 2021. Details are in the Treasurer's report, but the 2021 financial records received completed a full audit by Gross, Mendolozohn & Associates, P.A. on April 4, 2022. According to the Audit Report:

"In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of Aerospace Medicine Association as of December 31, 2021 and 2020 and the changes in its net assets and its cash flow for the years then ended in accordance with accounting principles generally accepted in the United States of America. The financial statement disclosures are neutral, consistent, and clear. We encountered no significant difficulties in dealing with management in performing and completing our audit."

Report of the AsMA Foundation Chair (Kim Broadwell): Dr. Broadwell thanked members for donating \$2,805 during the annual meeting registration to the AsMA Foundation, with a grand total of \$105,000 in the last 15 years.

AsMA members were saddened by the untimely passing of Dr. John B. Charles in February 2021. To honor Dr. Charles' leadership and scientific contributions to Space Medicine, the Space Medicine Association (SMA) established the JB Charles Research Scholarship which will be awarded at the annual SMA luncheon.

Dr. Mark Campbell has been a leader in the formation of the Space Surgery Association (SSA), an AsMA affiliate organization. The SSA is an international organization of surgeons and other physicians, procedural medicine specialists, and engineers working to develop capabilities to perform operative care in microgravity. In December 2021, Dr. Campbell and his wife Betsy signed an agreement with the Foundation creating and funding the Mark and Betsy Campbell Endowed Fund to support the SSA Future Researcher Award.

The AsMA Foundation continues to serve AsMA and its members to provide CME and Genie Bopp, Foundation Secretary/Treasurer, reports that the Foundation is solid financially with assets on December 31, 2021 totaling \$662,746, up from \$563,540 at the close of 2020.

GOVERNANCE (Susan Northrup)

Report on ASMA Bylaws Changes (Eilis Boudreau): A large number of sections within the bylaws urgently need to be corrected. Our bylaws need to be changed to accommodate virtual meetings or hybrid meetings. Thanks to Dr. DeVoll and Dr. Baisden for their review and input. These changes have been vetted through the Executive Committee and the AsMA Council. Jim Devoll asked for a motion to approve the AsMA Bylaws changes reflecting new ethics guidance. A motion was made by the Bylaws Committee to make bylaws changes to allow for virtual and hybrid meetings. Both motions were seconded and passed.

The proposed bylaws changes will be published in the Newsletter and are in the Reno AsMA meeting APP and presented on screen during the business meeting. Approved changes into the AsMA Bylaws can be found at:
([\[Bylaws.pdf\]\(https://www.asma.org/asma/media/AsMA/Governance/AsMA-P-P-Manual.pdf\)\) and the AsMA Policies and Procedures Manual: \(<https://www.asma.org/asma/media/AsMA/Governance/AsMA-P-P-Manual.pdf>\).](https://www.asma.org/asma/media/AsMA/Governance/AsMA-</p></div><div data-bbox=)

Nominating Committee Report (H. Ortega): The Slate of Officers was assembled between Sept 2021 and Dec 2021. The President Elect is Joseph Dervay; Vice Presidents - Rebecca Blue (1 yr to replace Joe Dervay), Robert Orford (2 yr) and Warren Silberman (2 yr), Treasurer - Casey Pruet; Members at Large Ilaria Cinelli, W. Brent Klein, Peter Lee. and Anthony Wagstaff.

AsMA Treasurer's Report (Nereyda Sevilla): In 2021 we ended the year \$135K in the red. The 2021 budget was approved with concessions made for lower revenue and expenses as we get back to a post-COVID world. Cancelling Denver 2021 would have incurred a \$500,000 penalty and loss of revenue, usually in the hundreds of thousands of dollars per conference, ultimately costing AsMA approximately \$1M. Keeping the Denver conference was a break-even success yielding a net revenue of \$25K. The convention revenue was \$349K less than budgeted, with the expenses \$118K over budget. Since the convention provides the primary source of revenue, it is expected that the overall revenue is less than budget. The webinar offerings provided another \$19K in revenue new in 2021. Due to COVID, the Home Office was able to apply for and received two Payroll Protection Program funding. This are federal grants that do not have to be repaid. AsMA received a total of two PPP payments (the first \$94K and the second \$75K) totaling \$169K of additional revenue for 2021. Efforts for an automatic payment plan for membership could help in a sustained avenue of revenue. The journal did well at \$23K above budget with increases in royalties while the membership hit \$143K above budget despite the lower individual and corporate membership. The increase in membership revenue is primarily due to the PPP of \$169K. Journal expenses essential hit target but we were under budget for AsMA Management expenses due to IT and travel savings. Overall, we had hoped to break even this year, but ended \$211K below budget. The goal remains to have \$1M in the Investment Portfolio to be used for down years and unanticipated expenses. The \$280K withdrawal in 2021 covered final Denver expenses, Payroll, Hosting of Council Meeting, and Scientific Review.

Recommendations: Reassess ASMA financial position after Reno and perhaps replenishing the investment portfolio to regain our \$1M posture. Use the lessons learned from 2020 and 2021 and increase revenue with a potential virtual convention, meetings, and workshops. We will also continue to leverage the cost saving efforts from the membership and journal committees.

REPRESENTATION AND ADVOCACY (DeVoll/Jeff Sventek for Barry Shender)

Update on Aerospace Medical Association Resolution 2020 - 01: Resolution entitled "Vital Nature of Board-Certified Physicians in Aerospace Medicine," co-sponsored by Kris Belland, Joe 'Bugs,' Ortega with Warren Silberman, and Dan Berry, approved in 2021. Approval by AsMA aligned perfectly with the American Osteopathic Association (AOA), AOCEM, FAA House of Delegates meeting. The resolution went to Commercial Space Companies and the National Transportation Board (NTSB). President of the AMA, Dr. Harmon, was extremely happy about the letter and will compose a letter to be sent out to organizations under the AMA.

Communications Committee Report: A proposal was presented and accepted by the AsMA Council during the 2021 Annual Scientific Meeting in Denver, for an enhanced communications strategy for our Association. The proposal included improving AsMA web page user experience, reinforcing AsMA's STEM outreach and science communications, creating engaging content in a regular and consistent manner for all our existing and potential audiences, and teaming up with HQ staff and journal staff to produce and publish short videos, podcasts, visual abstracts, and Q&A sessions.

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

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Continued from p. 663.

EDUCATION & RESEARCH (Warren Silberman)

Education and Research Committee: Susan Fondy has done a great job with well-organized Zoom meetings and notes. She is stepping down as chair.

Science and Technology Watch is being reinvigorated and will be placing articles for the Blue Journal headed by Ryan Mayes.

MEMBER SERVICES (Joe Dervay)

Awards Committee Report (Joe Dervay): Eric Olins has done outstanding work in crafting changes to the rules for submitting awards. The approved changes to the award rules include not nominating one individual for more than two awards per year. The committee will review the 21 current awards to determine if there are awards that should be consolidated due to addressing the same general criteria.

Membership Committee Report (Joe Dervay): Dana Windhorst is stepping down as chair. Auto Dues with ACH (automated clearing house) has been established.

INTERNATIONAL SERVICES (Robert Orford)

Despite the travel restrictions that are still in place during the pandemic we have a significant international presence here in Reno.

AsMA-ESAM-IAASM-SoFRAMAS International Conference in Aerospace Medicine ICAM (Paris - Sep 2022) (Robert Orford):

The conference center will be at the City of Science and Industry, it is large venue with easy access to the Metro. AsMA will be managing all 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 (Robert Orford): The program, which we expect to be sustainable if we reach 50, currently has 21 members and will be reviewed by council at the end of the year.

Unfinished Business – none

New Business – none

Closing remarks (Jim DeVoll): Thank you for being here. It shows enormous support. Please contact me at JRDevoll@aol.com with any suggestions on how to increase membership, outreach and other new ideas.

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

Respectfully Submitted,
Jeffrey Sventek, MS, CASP, Executive Director
J. Karen Klingenberg, MD, MPH, MS, Secretary

ANNUAL LECTURES

Both AsMA and UHMS provided their annual lectures in plenary sessions throughout the week.



(Top left) 67th Louis H. Bauer Lecture-- Dr. Michael A. Berry (center) delivered the lecture. Representing the sponsor, KBR, is Keith Kreutzberg (left), with AsMA President, Jim DeVoll (right).

(Top right) Eric P. Kindwall Memorial Lecture--Lindell Weaver, M.D., delivered the lecture, Monday, May 23.

(Center) 8th Eugen Reinartz Panel (left to right)--Joe Dervay (moderator), Jon Clark, Jay Dean, Richard Moon, and Mike Gernhardt, were the panelists discussing Pressure.

(Bottom left) Christian J. Lambertsen Memorial Lecture--UHMS President, Marc Robins, introduces the lecturer, Robert Sanders.

(Bottom right) 56th Harry G. Armstrong Lecture--Melchor Antunano, M.D, the lecturer, receives a memento from Bob Laurent and George Anderson of ETC, sponsors of the lecture along with James DeVoll, AsMA President.

All of the lectures can be viewed at: <https://www.asma.org/scientific-meetings/asma-annual-scientific-meeting/proceedings>



MEETING PHOTO GALLERIES--For more photos from the annual meeting in Reno, please visit our Photo Gallery page via the AsMA website: <https://aeromed.smugmug.com>
All photos by Pamela C. Day.