

The articles published in this newsletter are presented for informational purposes and topics of discussion and do not necessarily represent the opinions or recommendations of the Civil Aviation Medical Association.

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SPECIAL EDITION—CAMA SUNDAY/CAMA LUNCHEON & ANNUAL SCIENTIFIC MEETING REGISTRATION

CAMA News

CAMA has two significant events occurring the first week of May 2024: CAMA Sunday and the CAMA Luncheon take place on Sunday, May 5, 2024 and Monday, May 6, 2024, respectively. Both of these activities are CME training events taking place during the Aerospace Medical Association (AsMA) annual meeting in Chicago. The second important event is that registration for the CAMA Annual Scientific Meeting is OPEN as of April 29, 2024!

The CAMA Sunday and CAMA Luncheon programs are shown on Page 3 with a listing of keynote speakers and presentation subjects. There is no charge to attend CAMA Sunday, and CME certificates will be available at the event for all in-person attendees. Video copies of the program will be available soon after the programs for those attendees who wish to purchase them. See the order form on page 4. (Also available from the Podiumcast.com website).

If you are unable to attend the CAMA Sunday program in person and still wish to take advantage of the CME opportunity, you may purchase the CME version of the video library from Podiumcast.com for \$69.00. This is the first time that this offer is available for CAMA Sunday programs. Those who purchase the CME version from Podiumcast.com will receive a CME certificate online after viewing the entire program via the video library. On Page 4, there is a link which will take you to the Podiumcast.com website to view these two options.

To attend the CAMA Luncheon, you must purchase the luncheon tickets IN ADVANCE from AsMA. They will not be available from CAMA nor at the door.

Our Annual Scientific Meeting will take place September 19-21, 2024, at the Sheraton Jacksonville Hotel in Jacksonville, Florida. Please see pages 17-18 for a copy of the program and page 19 for the registration form. You may also register on the "Annual Meeting page" of the CAMA web site at www.civilavmed.org.

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2024 CAMA SUNDAY AND CAMA LUNCHEON PROGRAM AGENDAS

CAMA Sunday Lectures – Four hours comprised of four presentations, rated by the AAFP for four hours of CME credit.

Title: “Space Medicine Considerations for AMEs”

Program Objective: The physician will understand and recognize the medical issues associated with commercial space flight that could arise during a medical examination for space flight operators and passenger candidates.

Date, Time, Location:

Sunday, May 5, 2024, 8:00 AM to 12:15 PM
Hyatt Regency Hotel, Chicago IL. Grand Hall I

8:00 AM to 9:00 AM

A One-Hour Presentation by Aubrey L. Florom-Smith, PhD, RN, AFAsMA

Clinical Assistance Professor, Medicine-Primary Care and Population Health, Stanford University School of Medicine

Lecture Module Topic - Commercial Spaceflight: Future Steps—Implications for CAMA

Objective: Physicians will better understand the health conditions that would complicate an individual's participation in spaceflight by using screening criteria that will preserve participant health and safety; and, Physicians will be able to discuss advantages of interprofessional civilian space medicine research teams.

9:00 AM to 10:00 AM

A One-Hour Presentation by Emmanuel Urquieta Ordonez, MD, MS, FAsMA

Assistant Professor, Center for Space Medicine, Department of Emergency Medicine, Baylor College of Medicine

Lecture Module Topic – Considerations in Commercial Spaceflight Human Research

Objective: The physician will be able to discuss how human research is used to screen, select, and train the best candidates for commercial spaceflight both as flight operators and as other participants in order to assure the best performance and health outcomes during space flight.

10:00 AM to 10:15 AM Break

10:15 AM to 11:15 AM

A One-Hour Presentation by Charles H. “Chip” Dukes, MD, US Army Col. (Ret) MC, FS Reserve, FAPA, Aerospace Psychiatrist

Behavioral Health and Performance Operations Group,

Exploration Medical Capability, Clinical and Science Team, NASA Johnson Space Center, Senior AME, HIMS Psychiatrist, Psychiatry Consultant to the Federal Air Surgeon, Psychiatric Consultant to the Surgeon General

Lecture Module Topic - NASA's Behavioral Health and Performance Services for Long-Duration Spaceflight Missions

Objective: The physician will better understand how NASA will support space flight crews and other participants while on long duration space flight to assure continued good health, space safety, and mission success.

11:15 AM to 12:15 PM

A One-Hour Presentation by Michael F. Harrison, MD, PhD, FAsMA

Aerospace Medicine Specialist, Critical Care Specialist, Emergency Medicine Physician, Associate Medical Director, Medical Officer for Axiom

Lecture Module Topic: Would You Fly With This Commercial Astronaut?

Objective: The physician will be able to discuss how appropriate medical screening, selection, and training of astronauts can affect mission success and safety during commercial spaceflight missions and performance.

CAMA Luncheon and One-Hour Presentation, rated by the AAFP for one hour of CME credit.

Monday, May 6, 2024, 12:00 Noon to 02:00 PM
Hyatt Regency Chicago Hotel,
Room Michigan 1A, 1B, 1C

One Hour Presentation by Kris M. Belland, DO, MPH, FAsMA

Past President AsMA, Vice-President Management and Planning CAMA, Retired Captain USN Flight Physician and Pilot

Lecture Module Topic – United States Naval Strike and Air Warfare Center, Navy Fighter Tactics Instructor Program (TOPGUN): Carrier Air Wing Mishap Reduction Retrospective

Objective: The physician will learn how to ascertain by utilization of a retrospective non-randomized study: Did Human Factors Analysis Classification System Informed Operational Risk Management Training Reduce Carrier Air Wing Mishaps at Naval Strike and Air Warfare Center and Navy Fighter Tactics Instructor Program (TOPGUN)? The physician will understand James Reason's Swiss Cheese theory of risk mitigation as it applies to aviation mishap reduction and other high reliability fields such as medicine. This theory can be used in the hospital environment to reduce medical errors and mishaps.



2024 CAMA Sunday Medical Education Program

May 5, 2024 (Held during AsMA 2024)

SESSION RECORDINGS

Includes **FOUR** hours of presentations by four speakers + Luncheon Session (5 Hours Total)
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There are two options on the Podiumcast.com Online order page—one for in-person attendees to purchase a copy of the programs for \$39.00 after receiving CME on-site, and the other for non-attendees to purchase the program from Podiumcast.com for \$69.00 and earn CME by viewing the programs using the video library. You may use the following link to order either version of the CAMA Sunday/CAMA Luncheon video library:

<https://podiumcast.com/store/events/CAMASunday2024>



Leigh L. Speicher, MD MPH
CAMA President 2023-2025

Getting to know the new President...

Leigh L. Speicher, MD, MPH is board certified in Internal and Aerospace Medicine. She serves as a Consultant within the Section of the Executive Health Program at Mayo Clinic in Florida. Dr. Speicher is a licensed private pilot and a Senior FAA Aeromedical Examiner. She serves as the Aerospace Medicine Elective. Dr. Speicher is an Assistant Professor of Medicine. She is a Fellow of the American College of Physicians, Aerospace Medical Association, and the Civil Aviation Medicine Association.

Dr. Speicher earned her Bachelor of Science at Eckerd College in St. Petersburg, Florida and her medical degree from the University of Miami School of Medicine in Miami, Florida. She completed a general surgery internship at the National Navy Medical Center in Bethesda, Maryland and served as a Flight Surgeon for VP-30 at Naval Air Station Jacksonville while on active duty in the US Navy. She completed combined Internal and Aerospace Medicine Residency at the University of Texas Medical Branch in Galveston, Texas, where she also obtained a Master of Public Health degree. During this time, she continued to serve in the US Navy reserves attaining the rank of Commander before separating. She worked in the medical appeals department for the FAA prior to joining Mayo Clinic in 2012. Dr. Speicher enjoys spending time with family, traveling, and scuba diving.

CAMA President's Message

I am very happy to report that as of the middle of April, there were 183 individuals signed up to attend this year's CAMA Sunday program! With the assistance of AsMA's Executive Director, Jeffery Sventek, CAMA Sunday was added to the registration page for AsMA. The event is free, but this update allows interested people to sign up ahead of time to guarantee their ticket. We are very excited to be able to provide an outstanding program this year for CAMA Sunday and the CAMA Luncheon. If you plan to attend the AsMA Annual Meeting this May in Chicago, please register to attend the CAMA Sunday program on May 5, 2024. Dr. Basil Spyropoulos, as Chair of the CAMA Space Medicine Committee, has organized a wonderful collection of speakers for CAMA Sunday. The title is "Space Medicine Considerations for AME's." Please see Page 3 for a full outline of these presentations.

Dr. Kris Belland, CAMA VP for Management and Planning will be presenting the keynote presentation at the AsMA CAMA Luncheon.

Both the CAMA Sunday program and the CAMA Luncheon presentation have been rated by the AAFP for CME—Four hours of CME for CAMA Sunday and one hour of CME for the CAMA Luncheon presentation.

You may pre-order the video library of the CAMA Sunday and CAMA Luncheon programs. See Page 4 for the order form.

While the CAMA Sunday program is free of charge, you must purchase your CAMA Luncheon tickets directly from AsMA prior to the date of the luncheon. I hope you will all consider coming to create some amazing memories and share some time with colleagues by "Honoring the Past...Preparing for the Future," this year's theme for the AsMA Annual Meeting in Chicago. (www.asma.org)

I look forward to reporting back to you in the next edition of the newsletter in June, 2024, about the successes of the CAMA Sunday program and the CAMA Luncheon keynote presentation and any news that we learned at the AsMA meeting.



IN MEMORIUM

From the Edmonton Journal Jay A DANFORTH OBITUARY

Jay A Danforth, B.Sc., M.D., D. Av. Med.
July 24, 1947 - November 13, 2023

It is with broken hearts we announce Jay's sudden passing while on holiday in Louisiana. He is survived by his best friend and wife, Doni; his cherished daughter Erin; his grandsons Noah and Simon; his son Michael; his brothers Danny (Margaret) and Jaime; and sister Kathleen; and many other dear friends and family members.

Jay was born in Calgary and was a proud Albertan.

He loved life and learning; he served in the Canadian Armed Forces 1968-1976, graduated from the U of Alberta School of Medicine, and completed his Diploma of Aviation Medicine (RCP) London. He thoroughly enjoyed his time as a General Practitioner in Calgary before joining Civil Aviation Medicine in Canada in 1984, a career that brought him to a 2-year assignment with the International Civil Aviation Organization in Jeddah, Saudi Arabia. After his time in the Middle East, he returned to Civil Aviation Medicine until his retirement in 2018. His last career was working with the Adult Psychiatry Unit at the U of A, enjoying every minute that he spent with the staff and the patients. Jay finally totally retired in December 2021.

He was a passionate lifelong learner and had a depth and breadth of knowledge and experience that he was always happy to share. He had special knowledge about cars and airplanes (who else knew what make and year a car was in the movies based upon the headlights?). His love of cars and his generous nature saw him dispensing sage advice about which car one should buy or lending a helping hand as a mechanic to anyone who needed him. He spent treasured hours with his grandsons working on their various jalopies and he was an avid enthusiast of Bridge, the History Channel, and a good book.

Cremation has taken place, and a Celebration of Life is anticipated to take place in the spring or early summer of 2024.

In lieu of flowers, please consider a donation to the Veterans Food Bank or SCAR's (Second Chance Animal Rescue)

Published online December 9, 2023, by the Edmonton Journal

CAMA Editor's Note: Dr. Jay Danforth was a long-time CAMA member and was elected as a CAMA Fellow in 2013. He regularly served on several CAMA Committees and he attended and participated in most of the CAMA Annual Scientific Meetings, the last one being in Anchorage, Alaska, in 2018. He was also a regular attendee of the CAMA Sunday presentations during AsMA meetings. His smiling presence at CAMA activities and programs will be very much missed.

The following information regarding Dr. Danforth was published in the April 2024 edition of the AsMA News:

AsMA staff only recently learned that Dr. Jay A. Danforth, B.Sc., M.D., D.Av.Med., of Alberta, Edmonton, Canada, died in November 2023. He was an Emeritus member and Fellow of the Aerospace Medical Association. He graduated from the University of Alberta School of Medicine and received a Diploma of Aviation Medicine (RCP) London. He served in the Canadian Forces from 1968-1976 and later became a General Practitioner in Calgary. In 1984, he joined Civil Aviation Medicine in Canada, where he served a 2-year assignment with the International Civil Aviation Organization in Jeddah, Saudi Arabia. He then returned to Civil Aviation Medicine until he retired in 2018.

His last position was working with the Adult Psychiatry Unit at the University of Alberta until he fully retired in 2021. For a full obituary, please visit <https://edmontonjournal.remembering.ca/obituary/jay-danforth-1089127041>.



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CAMA MEMBER NEWS

In the April 2024 AsMA Newsletter, CAMA student member Dr. Corey Morris has been recognized for receiving an AsMA Scholarship!

Jeffrey R. Davis, M.D., Aerospace Medicine Endowed Scholarship

Dr. Corey Morris is a native of McMinnville, TN, United States. He received his undergraduate education at Motlow State Community College and Tennessee Technological University. He worked for his local community college as an adjunct laboratory instructor and assistant director of new student services before being accepted to medical school. He completed his medical education at Lincoln Memorial University- Debusk College of Osteopathic Medicine in 2022 and started his medical residency training at Lake Cumberland Regional Hospital on July 1, 2022, where he is currently a second-year Family Medicine resident.

Dr. Morris has a wide variety of interests, including rural primary medicine, osteopathic manipulative medicine, wound care/hyperbarics, and aviation/space medicine. Dr. Morris has served on the AMSRO executive board for two terms while a medical student and currently serves on the AsMA Communications Committee. He is a current board member of the American Osteopathic College of Occupational and Preventive Medicine representing resident physicians. He is also a member of the Civil Aviation Medical Association, the Aerospace Human Factors Association, the American College of Hyperbaric medicine, the Undersea and Hyperbaric Medical Society, the American College of Osteopathic Family Physicians, and the American Osteopathic Association. When not at work in Kentucky, you can find him spending time with family in Tennessee, building models with Legos®, or watching action, comedy, or sci-fi movies.

Congratulations Dr. Morris on this prestigious accomplishment!



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UPDATE: AsMA Resolution for Ultraviolet "C" (UV-C) Light Emitting Diode (LED) Technology as an Additional Component of the Multi-Layered Risk Mitigation Strategy for Aircraft Disinfection



In the February edition of The Flight Physician, an article regarding the AsMA Resolution for Ultraviolet "C" (UV-C) as an additional component for aircraft disinfection was published. Here is an update to this resolution:

Since passing of the AsMA UV-C resolution, (see extract of letter to FAA Federal Air Surgeon at end of this article), the following article was published in the AM&HP in March 2024: **Safety and Effectiveness Assessment of Ultraviolet-C Disinfection in Aircraft Cabins**

By Kris Belland; Diego Garcia; Charles DeJohn; Gary R. Allen; William D. Mills; Stephen P. Glaudel

INTRODUCTION: Aircraft cabins, susceptible to disease transmission, require effective strategies to minimize the spread of airborne diseases. This paper reviews the James Reason Swiss Cheese Theory in mitigating these risks, as implemented by the International Civil Aviation Organization during the COVID-19 pandemic. It also evaluates the use of airborne ultraviolet-C (UV-C) light as an additional protective measure.

METHODS: Our approach involved a thorough literature review by experts and a detailed risk-vs.-benefit analysis. The review covered existing research to understand the scientific foundation, while the analysis used established techniques to assess the impact of influenza and COVID-19 in terms of infections, deaths, and economic costs.

RESULTS: Integrating UV-C light in aircraft cabins, when applied with appropriate scientific understanding and engineering safeguards, has the potential to reduce in-flight disease transmission. This additional mitigation strategy can work synergistically with existing measures.

DISCUSSION: The research and risk-vs.-benefit analysis present strong evidence for the safety and effectiveness of continuous UV-C disinfection in aircraft cabins. It suggests that UV-C light,

maintained below exposure limits, can be a valuable addition to existing measures against disease transmission during flights.

The topic was the lead presentation entitled "Safety and Effectiveness Assessment of Ultraviolet-C Disinfection in Aircraft Cabins," at IAASM well-attended webinar on March 6, 2024, and will be briefed in Chicago at IATA/IAMA on Saturday, May 4, 2024, 1:50 PM in the Michigan 2/3 room, and an update presentation will be given at AsMA on May 7, 2024, at 10:30 AM to 12 Noon.

Extract of letter from AsMA Executive Director Jeffrey C. Sventek to Federal Air Surgeon Dr. Susan Northrup:

On 21 November 2023, the membership of the Aerospace Medical Association (AsMA) passed a resolution on the use of ultraviolet "C" (UV-C) Light Emitting Diode (LED) technology as an additional component of the multi-layered risk mitigation strategy for aircraft disinfection.

This resolution advocates for the use of continuous inflight Ultraviolet "C" (UV-C) Light Emitting Diode (LED) technology in occupied aircraft cabins as an integral part of the multi-layered risk mitigation strategy for aircraft disinfection, with a special emphasis on the safety and well-being of aircrew members.

The AsMA resolution specifically states: "The continuous use of UV-C aboard aircraft, below exposure limits, and with appropriate engineering safeguards, can be an additional synergistic, safe, and effective risk-mitigation layer to reduce disease transmission and translocation."

The impetus for this resolution comes from the global health challenge posed by infectious diseases, as identified by the World Health Organization and Centers for Disease Control and Prevention. Despite advancements in aircraft cabin engineering and environmental control systems, the risk of transmission and spread of infectious diseases, including COVID-19, influenza, Respiratory Syncytial Virus (RSV), measles, tuberculosis, and the common cold, remains a significant concern. These diseases, transmitted through aerosols and surface contamination,

necessitate robust air and surface disinfection measures.

UV-C LED technology, recognized for its microorganism inactivation capabilities since the late 1800s, operates in the 200 nm to 280 nm range and has been adapted to safely apply UV-C irradiation in occupied spaces, well below established exposure limits. This advancement is critical, considering there are no OSHA-mandated employee exposure limits for ultraviolet radiation. The shallow penetration depth of UV-C radiation and normal cell turnover mitigate potential superficial and transient skin and eye issues from UV-C exposure.

Thank you for your kind consideration of this most important effort to enhance the safety of global Aerospace Medicine operations.

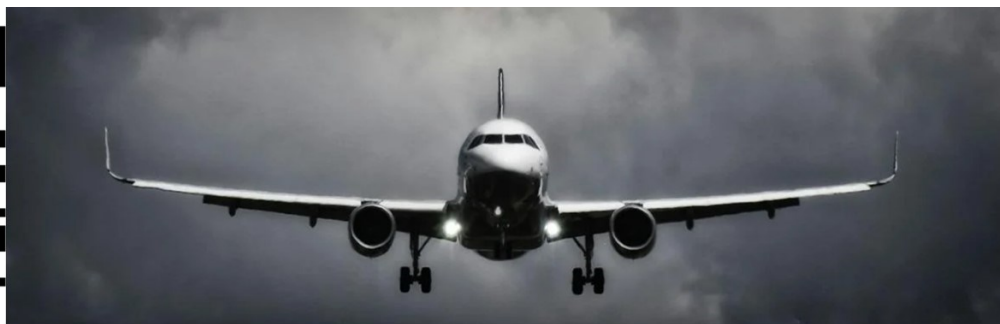
Following is a link to the recently published peer-reviewed AM & HP publication regarding airborne UV-C use—

<https://pubmed.ncbi.nlm.nih.gov/38356125/>



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REPORTING DISABILITY COMPENSATION



*By Susan Northrup, MD, MPH Federal Air Surgeon
Reprinted with FAA permission from FAA Safety Briefing
dated March/April 2024*

Recently, there has been a lot of discussion in many different forums regarding the FAA and pilots who receive disability compensation, especially from the Department of Veterans Affairs (VA). Some pilots are concerned that a high disability rating can jeopardize medical certification. This is not true. Our determination is based on the condition and treatment, not the amount of compensation.

While the likelihood of a significant medical issue does increase with a higher rating, the correlation is not as strong as you might think. In fact, we have pilots who have a 100% disability rating from the VA, yet qualify for a Class I or II medical. On the other hand, some conditions, such as a seizure disorder, can have a rating from the VA, as low as 10%, yet not be safe for flight. For this reason, even a 0% disability rating should be reported. I want to emphasize though that we consider each pilot individually with the goal of issuing a medical when it is safe to do so.

I would like to address the responsibility that we pilots have for reporting disability compensation on the FAA medical application (FAA Form 8500-8). I would also like to remind you that you need to report any form of disability benefit, including from a private insurer, workers' compensation, or Social Security disability.

Question 18y, Medical Disability Benefits, is answered incorrectly by many pilots. The purpose of providing medical history on the 8500-8 form through MedXPress is to identify areas of potential aeromedical concern and to ensure adequate and aeromedically acceptable mitigation. Sometimes these concerns can be addressed by the aviation medical examiner (AME) while you are in the office, and you leave with your medical in hand; other times additional information and testing might be necessary to ensure aviation safety. This is just as

true for a history of medical disability benefits as any medical condition.

Why are we concerned about pilots receiving medical disability? The short answer is that even though pilots should annotate their medical conditions in other parts of question 18, they may not believe that an underlying medical condition or treatment falls within another question on FAA form 8500-8. Additionally, question 18y can serve as a helpful reminder of medical conditions that the applicant did not think about when answering other parts of question 18. Remember that our goal is to ensure the safety of the national airspace system. This question helps us ensure that all underlying medical conditions are disclosed, adequately controlled (or resolved), and that the treatment is aeromedically acceptable.

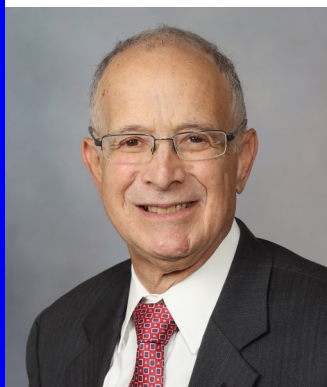
For those of you who have been granted disability compensation since your last medical application, I recommend that you gather the paperwork you have for that disability compensation and bring it with you to show your AME at your next FAA medical examination. If it's a VA disability, bring the VA decision letter(s). Consider making an appointment with your AME prior to the examination to review the information for completeness. For those of you who have been granted disability compensation prior to your last FAA medical but did not report it, I recommend that you provide this to the FAA now even if you are not due for an examination. Your AME can help with this. Make sure that you bring copies of all the disability evaluations, not just the most recent ones. This will expedite your review.

Should your disability compensation change, you will also need to report this. Generally, you will do so at the time of your next medical application. Second, independent of any reporting requirements, remember your obligations under 14 CFR section 61.53 ([bit.ly/14CFR61_53](https://www.ecfr.gov/current/title-14/chapter-I/subchapter-F/part-61/subpart-B/section-61.53)). The bottom line is that question 18y is like any other question about medical history. We simply want to ensure that the underlying condition is well-controlled and that the treatment is aeromedically acceptable.

Dr. Susan Northrup received a bachelor's degree in chemistry, a medical degree from The Ohio State University, and a master's degree in public health from the University of Texas. She is double board-certified by the American Board of Preventive Medicine in Aerospace Medicine and Occupational Medicine. She is a retired U.S. Air Force colonel and a former regional medical director for Delta Air Lines. She is also an active private pilot.

FAA Mental Health Aviation Rulemaking Committee issues recommendations for actions to reduce barriers for pilots and ATC specialists to receive mental health care.

By Steven I Altchuler, PhD, MD



Dr. Altchuler grew up with aviation in his blood. He was raised on the bay where both the Pan Am Yankee Clipper and the Dixie Clipper took off for their trans-Atlantic flights. He logged time in his high school's WWII Link trainer. He learned to fly while in college. His first job, while an undergraduate, was working on the engineering team for the F-14 at Grumman Aircraft Engineering. Following

graduate school at MIT, he worked as an aerospace physiologist at the NASA/Johnson Space Center, before returning to medical school at Baylor College of Medicine. Having lived on the Atlantic coast and the Gulf coast, he moved to the US northern border, Minnesota, for residency in psychiatry at Mayo Clinic. He has been involved in aerospace psychiatry since then, on faculty in Mayo's Residency in Aerospace Medicine, as well as consulting over his career at both NASA and the FAA. He served on both the 2015 and the 2024 FAA Aviation Rule Making Committees.

On April 1, 2024, the FAA released the final report of the Mental Health and Aviation Medical Clearances Aviation Rulemaking Committee. This report offers recommendations for consideration by the FAA to make it easier for pilots and ATC specialists to receive the mental health care they need and deserve, and also to provide a more comprehensive picture of the what mental health concerns are present in the pilot community. Links to this report and others are listed at the end of this story.

As civil aviation medical professionals, we are aware of the issues of pilot and ATC specialist mental health, as well as the problems many of them face. The FAA has done an admirable job keeping the national air space safe. It also recognizes the need for continued improvement. In 2015, following the Germanwings flight 9525 and Malaysia flight 370 events, the FAA chartered a Pilot Fitness Aviation Rule Making Committee, or ARC, to improve pilot mental fitness. An ARC typically consists of a broad membership of knowledgeable people representing the involved aviation communities, to make recommendations to the FAA. If you review the report from 2015, you will see that the FAA acted on those recommendations.

In 2020, Senator Dianne Feinstein asked the FAA Inspector General to review how the FAA evaluates the psychological health of ATPs. The OIG released

a report in July 2023, and made two recommendations. The OIG concluded the FAA has comprehensive procedures in place. However, the FAA's ability to mitigate safety risks is limited by pilots' reluctance to disclose mental health conditions. According to FAA and aviation industry organization officials, primary factors that discourage pilots from reporting their mental health conditions are the stigma associated with mental health, potential impact on their careers, and fear of financial hardship. Addressing these barriers is critical for the FAA to mitigate potential aviation safety risks. In light of this, the OIG recommended the FAA collaborate with airlines, airline pilot unions, and the aerospace medical community to conduct an assessment to identify ways to address barriers that discourage pilots from disclosing and seeking treatment for mental health conditions, based on the latest data and evidence.

To do this, the FAA stood up a pilot mental health ARC. The ARC was specifically charged to provide recommendations to the FAA that break down the barriers that prevent pilots from reporting and seeking care for mental health issues. The ARC started meeting in January 2024 and following intensive work, released their report on 1 April 2024. The next steps are for the FAA to discuss the report and to decide which recommendations they will accept and how. The report is not a surprise to the FAA; the FAA had representation on the ARC.

As you read through the report and the recommendations, you will notice the ARC addressed and was aware of many issues our airmen - and we - face: The stigma individuals experience when acknowledging a mental health problem. The financial difficulty for airmen and ATC specialists when they are grounded. The difficulty and the expense of an evaluation for some mental health special issuance considerations. The duration of time to go through the special issuance process. The difficulties we all face with systems that result in less than rapid communication. The risks that there may be airmen not receiving needed mental health care for fear of the consequences. Pilots concealing medications or treatments from their AMEs. The observation that many airmen encounter difficulties understanding the medical certification and clearance process.

As we read the report, people may wonder how these recommendations will affect the safety of the national air space. Current

(Continued on Page 12)

processes are very good at controlling risk from mental health concerns, IF the pilot receives care and IF the pilot reports this to their AME. We face an unmeasured and unknown risk from those who have a mental health problem and do not receive adequate care, as well as from those who do not reveal to their AME their mental health problems and the care they are receiving. This is not unique to medicine. This problem of unknown risk is what led to the creation of the Aviation Safety Reporting System in the 1970's.

For those interested, I strongly encourage reading the entire report. In particular, section VII explains the many barriers that result in pilots not obtaining good mental health care. Section VIII lists the specific recommendation of the ARC. There is no single recommendation that is most important. Rather, the entire set of recommendations describes a package that aims to reduce many of the barriers pilots and ATC specialists face, leading to more of them receiving the care they need and they deserve. This will be better for our pilots and ATC specialists and can lead to better overall outcomes.

The 2015 ARC was an important step to begin addressing mental health concerns of pilots and air traffic controllers. The newly released 2024 ARC report builds on that report to suggest even more improvements that may lead to a better understanding of mental health issues that exist in the pilot and controller community, and to reduce the many barriers that make it difficult presently for pilots to obtain mental health care as well as to report it to their AME.

Links:

2024 ARC Final Report: <https://www.faa.gov/regulationspolicies/rulemaking/committees/documents/mental-health-and-aviation-medical-clearances-0>

2015 ARC Final Report: https://www.faa.gov/regulations_policies/rulemaking/committees/documents/media/pilot%20fitness%20arc%20report.11302015.pdf

2020 OIG Announcement of starting investigation: <https://www.oig.dot.gov/library-item/38120>

2023 OIG Report of investigation: https://www.oig.dot.gov/sites/default/files/FAA%20Pilot%20Mental%20Health%20Final%20Report_07.12.2023.pdf



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CAMA has recently received this press release from AirDocs, one of our Corporate Members. This new partnership will be of interest to other members of CAMA and AMEs in general.



FOR IMMEDIATE RELEASE

The Charles F. Bolden Group and AirDocs Announce

ASTRADocs, A PARTNERSHIP TO BOOST HEALTH AND SAFETY IN SPACE EXPLORATION

Northern Virginia – 08 April 2024

Today, the Charles F. Bolden Group (Bolden Group) and AirDocs Aeromedical Support Services (AirDocs) are launching AstraDocs, an visionary collaboration designed to deliver unparalleled aerospace medical solutions within the rapidly expanding business in the space ecosystem—and tailored to meet the unique challenges of human activity beyond Earth.

AstraDocs is a pioneering venture that combines Bolden Group's strategic and innovative prowess with the medical expertise of AirDocs. The partnership aims to establish itself as the foremost provider of integrated space-focused aeromedical, what AstraDocs is calling *astramedical*, solutions, ensuring the highest standards of health and safety for all individuals participating in space exploration and commercial space endeavors.

"This partnership marks a significant milestone in the business of space, ensuring that health and safety remain paramount in the journey beyond our planet," said Che Bolden, Bolden Group President and CEO. "AstraDocs will not only enhance the safety and well-being of space sector participants but also strengthen the reputation of government and commercial space entities through superior astramedical preparedness and response capabilities."

Dr. Greg Pinnell, President of Air Docs, states "Air Docs is very proud to partner with the Bolden Group to leverage our experience with the US human space flight program and to work with the unmatched experience and expertise of the Bolden Group to advance safety and health for human space flight now and in the future."

Unparalleled Astramedical Support and Consultancy

AstraDocs will offer a comprehensive suite of services, including pre-flight medical concept of operations (CONOPS) and health assessments, pre-flight medical assessment, in-flight medical support, land and recovery medical support, post-flight rehabilitation, emergency medical training, and the development and supply of astramedical equipment specifically engineered for use in space.

About the Charles F. Bolden Group

The Charles F. Bolden Group (CFBG) is an executive leadership advisory firm dedicated to inspiring and cultivating leadership archetypes for the future. With a mission to lead beyond limits, CFBG specializes in strategic assessment and planning for exploration and space endeavors, leadership advising, and complex problem-solving.

About AirDocs Aeromedical Support Services

AirDocs leads in delivering comprehensive aeromedical services, including FAA Flight Physicals, medical consulting, HIMS AME evaluations, inflight support, aviation medical equipment, and CPR/AED training for pilots. With experience from over 40 space shuttle missions, over 10 Soyuz missions, and logistical support for the transition to commercial space flight, AirDocs possesses unparalleled expertise. Their services are designed to safeguard the health and safety of aerospace industry personnel, encompassing pilots, crew, and passengers.

To learn more about AstraDocs and its innovative astramedical solutions, please contact:

info@astradocs.space

This partnership marks a significant milestone in the business of space, ensuring that health and safety remain paramount in the journey beyond our planet.



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Home Office Activities and Information



Sherry Sandoval
CAMA Executive Vice President

Dues and Membership 2024

The CAMA Board voted during the Fall Executive Board Meeting October 4, 2023, in Omaha, Nebraska, to increase CAMA Membership Dues for 2024. Regular membership dues for a calendar year is now \$250.00; Sustaining Membership is \$500.00; a fully retired AME may retain CAMA membership for \$85.00; Life Membership is currently \$2500.00; and Corporate Membership is \$550.00. Medical Students, Interns, Residents, and some Fellows may become CAMA members at no cost. The various dues forms are available at the end of this newsletter and can also be accessed on the Members Lounge page of the CAMA website at www.civilavmed.org. If you have not done so already, please take a few moments to pay your 2024 CAMA dues so that you do not miss out on any news or activities.

Most individuals and corporations joining CAMA or renewing membership for 2024 are using the links on the CAMA website to complete the necessary forms and to make their payments. The CAMA website has advanced security, easy access to news and information, and links to important FAA information and websites, such as the AME Guide, the AME Minute, FAA AME training seminar schedule, the Federal Air Surgeon Bulletin and the Pilot Minute files. These important links are on the landing page of the CAMA website.

Call the CAMA Home Office at 770-487-0100 or email civilavmed@aol.com if you have questions or experience problems.

2024 CAMA Sunday and CAMA Luncheon

Each year during the Aerospace Medical Association (AsMA) annual meeting, CAMA hosts a four hour CME educational event called CAMA Sunday. This year's program takes place on Sunday, May 5, 2024, at the Hyatt Regency Hotel in Chicago, IL. The scheduled presentations address how an AME or other physician may become involved with Space Medicine and/or other issues that address or deal with commercial space travel for both airmen and passengers. Please see Page 3 for the full program and objectives for this event. CAMA's own Kris M. Belland, DO, MPH,

CAMA VP of Management and Planning, will give the keynote presentation during the CAMA Luncheon on Monday, May 6, 2024. To attend the CAMA Luncheon, one must purchase tickets directly from AsMA, as they are not available from CAMA or at the door.

2024 Annual Scientific Meeting in Jacksonville, Florida REGISTRATION IS OPEN!!

The Sheraton Hotel Jacksonville will host our 2024 Annual Scientific Meeting in Jacksonville, Florida, September 19-21, 2024. The hotel is located near a large shopping mall and a number of restaurants and has free parking for meeting participants.

Plans for this yearly event include having a meet-and-greet appetizer and cocktail party on Thursday evening at a new Flight Base of Operations (FBO) facility at the Jacksonville Executive Airport. The FBO hangar has been undergoing renovations and improvements that will be completed by the time of the 2024 Annual Scientific Meeting.

Ryan Smith, Chief Growth Officer of JAX Executive at the KCRG Airport, promises a number of beautiful aircraft will be staged in the upgraded hangar around which we will spend an hour or so with light appetizers and a couple of cash bars to relax and network with the attendees and those corporate members who elect to participate in the conference activities. Ryan has also indicated that in honor of the annual meeting, he will offer tiedown and aviation fuel incentives for any CAMA attendees who fly into JAX Executive Airport and use his FBO for services.

Our field trip dinner will take place at the newly established Deerwood Castle and Jacksonville Sports Car Museum to host the second leg of our field trip among an amazing collection of exotic cars, some of which belonged to celebrities and several from some well-known movies (all of which are for sale, so bring your wallets)!

Effective April 29, 2024, registration to attend this year's Annual Scientific Meeting is open. You may register online on the CAMA website at www.civilavmed.org or by using the forms included in this newsletter on Page 19. The annual scientific meeting program has been sanctioned by the FAA as fulfilling the requirements for AME recertification/ refresher purposes. The program (see Pages 17-18) will be submitted to the AAFP for a CME rating and attendees will receive a CME certificate at completion of the conference.

(Continued on Page 16)

In addition to a fantastic educational program, great food, fellowship, networking opportunities, and CME, each registered medical professional will also receive a video library of the entire program, every lecture and every slide, to keep as a reference and educational instrument.

The link with which attendees can make hotel reservations at the host hotel, the Sheraton Jacksonville, can be found on the Annual Meeting page of the CAMA website. For your convenience, the link is also posted here:

[Sheraton Jacksonville Hotel - CAMA Annual Conference 2024](#)

We look forward to seeing all of you at the 2024 CAMA Annual Scientific Meeting September 19-21st in Jacksonville, Florida!

2025 Annual Scientific Meeting in Spokane, Washington

We are very pleased to announce that our 2025 Annual Scientific Meeting will take place September 18-20, 2025, at the Mirabeau Park Hotel in Spokane, Washington. The hotel includes a fabulous destination restaurant called Max, and Chef Andrew has promised us an amazing dining experience during our conference!

The Forrest Bird Aviation Museum and Inventor Center, located at Pappy Boyington Field just north of Coeur d'Alene, Idaho, is a short bus ride from the Mirabeau Park Hotel and will host our 2025 field trip and catered dinner. Forrest M. Bird, MD, PhD, was President of CAMA 1993-1995, and was a tremendous supporter of the organization until his death in 2015. His wife, Pamela Riddle Bird, carried on his support of CAMA until her passing later in 2015. Her daughter, Rachel Riddle Schwam, is the

Executive Director of the museum and looks forward to hosting CAMA at Dr. Bird's museum among some of his favorite airplanes, cars, and amazing inventions, including the first mechanical respirator and the "Babybird" respirator that reduced the rate of breathing-related infant mortality from 70% to 10%. To read more about this fascinating individual who was such a huge part of CAMA history, check out his Wikipedia page at [Forrest Bird - Wikipedia](#).

Future CAMA Annual Meetings

In early March, 2024, the CAMA EVP visited Dayton, Ohio, to review and select a host hotel for our 2026 Annual Scientific Meeting taking place October 22-24, 2026. The Marriott University of Dayton has been contracted to host the meeting, and we have contracted with the National Museum of the US Air Force for that facility to host our 2026 field trip and catered dinner. Check out this museum on their website at: [National Museum of the USAF](#)

Dayton, Ohio, has a number of other very interesting museums and attractions, some of which are within walking distance of the host hotel. Among those CAMA attendees will want to see: The Wright Brothers National Museum, The National Aviation Hall of Fame, The Wright Brothers Memorial, Carillion Historical Park, and many other sites. Wright State University is the repository for the CAMA Archives. On the CAMA website (www.civilavmed.org), click on the "About CAMA" tab and scroll to "CAMA History" - the direct link to view the CAMA Archives is:

[Civil Aviation Medical Association Records \(MS-526\) | Wright State University Research | CORE Scholar](#)

This website is fully searchable and contains documents, newsletters, and photographs documenting the amazing history of the Civil Aviation Medical Association.

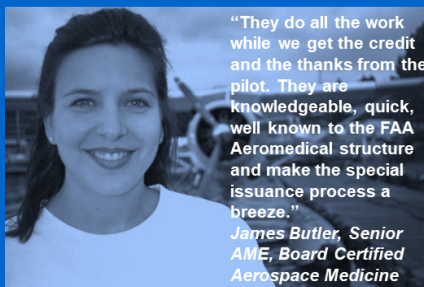
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Erwin Samuelson
Senior AME



"They do all the work while we get the credit and the thanks from the pilot. They are knowledgeable, quick, well known to the FAA Aeromedical structure and make the special issuance process a breeze."
James Butler, Senior AME, Board Certified Aerospace Medicine



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Now that we have completed all necessary actions for our 2027 annual meeting in Dayton, Ohio, our attention will move to Oklahoma City, Oklahoma, as the potential site for our 2027 Annual Scientific Meeting. Oklahoma City is not only the home of the FAA Civil Aerospace Medical Institute (CAMI) but also a myriad of interesting and historical museums and other attractions, such as the [National Cowboy & Western Heritage Museum](#). As the arrangements are made for 2026 and 2027 meeting sites, CAMA members and other interested parties will be kept informed via the CAMA newsletters and on the CAMA website.

CIVIL AVIATION MEDICAL ASSOCIATION



CAMA

Sheraton Jacksonville
10605 Deerwood Park Blvd
Jacksonville, FL 32256
Telephone: 904-564-4772

THE CIVIL AVIATION MEDICAL ASSOCIATION ANNUAL SCIENTIFIC MEETING September 19 – 21, 2024

"EVOLVING TREATMENT AND CERTIFICATION IN CONTEMPORARY AEROSPACE MEDICINE"

WEDNESDAY, SEPTEMBER 18, 2024

03:00 PM to 06:00 PM **CAMA Board Meeting**
Room

07:00 PM to 09:00 PM **Meeting Registration**
Sheraton Jacksonville Lobby

THURSDAY, SEPTEMBER 19, 2024

07:00 AM to 08:00 AM **Breakfast Buffet**
Hotel Restaurant – Bring your
Breakfast Voucher

08:00 AM to 08:30 AM **Welcome and Introductions**
Ballroom

- **Welcome from CAMA**
Leigh L. Speicher, MD, MPH
President, CAMA
Sherry Sardoval
Executive VP, CAMA
Schedule & Field Trip Info
- **Welcome from FAA/CAMI**
Deann King, EDD, Instructional Systems
Manager, FAA Aerospace Medical Education
Division, Oklahoma City, OK

8:30 AM to 9:30 AM **AME Program Overview and
Performance**

Jason Sigmon, MD, FACS
Manager, FAA Certification
Division, Oklahoma City, OK

Morning Break

**Aeromedical Assessment
Updates from the Federal Air
Surgeon's Office**
Susan E. Northrup, MD MPH,
Federal Air Surgeon,
Washington, DC

10:45 AM to 11:45 AM

**"Certification issues – CACI
Conditions and Working with
the Online Guide for AMEs"**
Judith A. Frazier, MD, MBA
Medical Officer, FAA Aerospace
Medical Education Division,
Oklahoma City, OK

11:45 AM to 12:45 PM

Luncheon Buffet
Hotel Restaurant

12:45 PM to 01:45 PM

**"Mental Fitness to Fly:
"Pathway to Psychiatric
Certification"**
Daniel Danczyk, MD, MPH
Head Psychiatrist, FAA
Washington, DC

01:45 PM to 02:45 PM

"Medical Legal Issues"
Brian K. Khan, JD, Senior
Attorney, FAA Office of Chief
Counsel, Enforcement Division,
Washington, DC

02:45 PM to 03:00 PM

Afternoon Break

03:00 PM to 04:00 PM

"Ophthalmology FAA Updates"
Alan M. Kozarsky, MD
Ophthalmologist
Atlanta, GA

04:00 PM 5:00 PM

"FAA Medications Updates"
Vinh "Vickie" Kieu, PharmD,
BCACP, FAA Pharmacist
Washington, DC

05:30 PM – 5:45 PM

Load Buses for Field Trip

06:15 PM – 10:00 PM

**Field Trip to the JAX Executive
Airport FBO and Catered
Dinner at Deerfield Castle**
Casual dress and comfy shoes
recommended.

FRIDAY, SEPTEMBER 20, 2024

07:00 AM to 08:00 AM

Breakfast Buffet
Ballroom

08:00 AM to 09:00 AM

**"NOAA Aircraft Center
Missions and Capabilities"**
Captain Nathan Kahn
Commanding Officer NOAA
Lakeland, Florida

09:00 AM to 10:00 AM

"Aerospace Pulmonology"
Clayton T. Cowl, MD, MS
Mayo Clinic
Rochester, MN

10:00 AM to 10:15 AM

Morning Break

10:15 AM to 11:15 AM

**"Infectious Disease Update
2024 with Covid-19 Declared
Over"**

Richard S. Roth, MD, Senior
AME, Infectious Disease/Internal
Medicine, Savannah, GA

11:15 PM to 12:15 PM

**"Alcohol and Drug Use:
Roadmap to Certification"**
Christopher F. Flynn, MD
FAA Assistant Chief Psychiatrist
Washington, DC

12:15 PM to 12:30 PM

CAMA Business Meeting

12:30 PM to 01:30 PM

Luncheon Buffet
Hotel Dining Room

01:30 PM to 02:30 PM	"Aviation Neurology Update" Joseph I. Sirven, MD Mayo Clinic Jacksonville, FL	12:00 Noon to 01:00 PM	Luncheon Buffet Hotel Dining Room
02:30 PM to 02:45 PM	Break	01:00 PM to 02:00 PM	"Update on Medical Certification of Cardiac Conditions" Thomas Flipse, MD Cardiology, Mayo Clinic Jacksonville, FL
02:45 PM to 03:45 PM	"What's in the Future for Neurocognitive Testing for Aviators?" Keleene Fercho, PhD, FAA Psychologist, CAMI Oklahoma City, OK	02:00 PM to 02:15 PM	Afternoon Break
03:45 PM to 05:00 PM	In-Flight Medical Emergency Simulation Dana Herrigel, MD Assistant Professor of Medicine, Director of Clinical Education, Mayo Clinic, Jacksonville, FL	02:15 PM to 05:00 PM	Case Study & Panel Discussion: "Would You Fly with This Pilot? – Aeromedical Decision-Making" Moderator: Susan Northrup, MD, MPH, Federal Air Surgeon Washington, DC
06:30 PM to 07:00 PM	Happy Hour Ballroom Foyer	Panel Members: Joseph I. Sirven, MD, Neurology Thomas Flipse, MD, Cardiology Christopher F. Flynn, MD, Psychiatry Jason Sigmon, MD, MPH, ENT Alan Kozarsky, MD, Ophthalmology	
07:00 PM to 08:00 PM	CAMA Honors Night Banquet Ballroom Dress is business casual – more formal wear optional	05:00 PM	Adjourn**
08:00 PM to 09:00 PM	Keynote Presentation: To Be Announced Awards ceremony	**Please pick up your CME Certificate from the CAMA table at the completion of the meeting on Saturday.	
SATURDAY, SEPTEMBER 21, 2024			
07:00 AM to 08:00 AM	Breakfast Buffet Hotel Dining Room	To receive FAA credit for recertification/refresher training, you must complete the FAA test online no later than Tuesday, September 24, 2024.	
08:00 AM to 09:00 AM	"Obstructive Sleep Apnea and Fatigue" Jason Sigmon, MD, FACS Manager FAA Certification CAMI, Oklahoma City, OK	No CAMA dinner is planned for Saturday evening. You are free to plan your own activities for the evening or to depart for home if you prefer.	
09:00 AM to 10:00 AM	"Orthopedic Considerations in Aviation Medicine" Guy Foulkes, MD Orthopedic Hand Surgery Hilton Head Island, SC	Emergency Contact During the Meeting: Sherry Sandoval, CAMA EVP Call or Text 770-487-0100	
10:00 AM to 10:15 AM	Morning Break		
10:15 AM to 11:15 AM	ENT FAA Update" Jason Sigmon, MD, FACS Manager FAA Certification CAMI, Oklahoma City, OK		
11:15 AM to 12:00 Noon	Mayo Aerospace History Video: "Mayo Clinic Heritage Films/Mayo Clinic History & Heritage" (Rising to the Challenge)		

PROGRAM OBJECTIVES:

- To understand and apply the changes in aviation medicine to the individual's private practice
- To assess specific clinical conditions/disciplines with respect to aviation medicine to correctly utilize the Federal Aviation medical standards with the specific conditions discussed
- To Comprehend the FAA medical program initiatives
- To understand to be able to work with the aeromedical certification system
- To comprehend the legal aspects of being an AME

This program is approved for FAA-AME training.

CONTINUING MEDICAL EDUCATION

The CAMA Annual Scientific Meeting program will be submitted upon finalization of the program to the AAFP for a Continuing Medical Education (CME) rating.

Civil Aviation Medical Association
P. O. Box 823177, Dallas, TX 75382
Phone: 770-487-0100
FAX: 770-487-0080
Email: civilavmed@aol.com
Web Site: www.civilavmed.org



**CIVIL AVIATION MEDICAL ASSOCIATION
ANNUAL SCIENTIFIC MEETING, SEPTEMBER 19-21, 2024
SHERATON JACKSONVILLE HOTEL, JACKSONVILLE, FLORIDA 32256**

ATTENDEE NAME & TITLE*:		AME NUMBER:	
*(MD, DO, MBChB, MBBS, PhD, MS, etc.) SPECIALTY:			
ARE YOU BRINGING A SPOUSE OR OTHER GUEST(S) WHO WILL BE EATING MEALS WITH YOU, AND/OR GOING ON THE FIELD TRIP WITH YOU?			
YES:		☐	NO: ☐
SPOUSE/GUEST NAME AND TITLE* IF APPLICABLE:			
NOTE: There is a \$895.00 registration fee for each participating guest to cover eight meals and the field trip. (Tickets to the field trip and/or banquet are NOT sold separately. If your guest is also a medical professional in need of CME, please provide that information and titles.)			
ATTENDEE ADDRESS:			
(Please use the address you wish to be used in the participant roster that will be given to all in attendance)			
CITY:		STATE/PROVINCE:	
ZIP:	COUNTRY:	PHONE:	
EMAIL (REQUIRED):		CELL PHONE:	
DO YOU OR YOUR GUEST HAVE ANY SPECIAL DIETARY NEEDS?	YES: ☐	NO: ☐	PLEASE DESCRIBE: (Vegan, Vegetarian, Gluten intolerant, etc.) and indicate which individual.
REGISTRATION FEE MAY BE PAID BY CHECK (U.S. DOLLARS) OR CREDIT CARD			
CREDIT CARD TYPE:	VISA: ☐	MASTER CARD: ☐	AMERICAN EXPRESS: ☐
CREDIT CARD NUMBER:	SECURITY CODE (CVV)	ZIP CODE OF CARD BILLING ADDRESS	
EXPIRATION DATE:	SIGNATURE:		
AUTHORIZED CHARGE AMOUNT (U. S. DOLLARS):			
CHECK ENCLOSED (U.S. DOLLARS):		CHECK AMOUNT:	

PERSONS REGISTERING TO ATTEND THE CAMA ANNUAL SCIENTIFIC MEETING - PLEASE MAKE YOUR HOTEL RESERVATIONS ONLINE BY USING THE FOLLOWING LINK (use "control" + click to activate link):

Sheraton Jacksonville Hotel - CAMA Annual Conference 2024 THIS IS A SPECIAL LINK EXCLUSIVELY FOR CAMA MEETING ATTENDEES TO USE TO RECEIVE THE CAMA ROOM RATE OF \$159.00, PLUS APPLICABLE FEES AND TAXES. ALL RESERVATIONS MUST BE MADE BY AUGUST 20, 2024, TO RECEIVE THE CAMA RATE AND FOR AVAILABILITY. ROOMS AFTER THAT DATE ON AVAILABILITY BASIS ONLY.

CAMA MEMBER REGISTERED ON OR BEFORE AUGUST 20, 2024 -----	\$1395.00 U. S. DOLLARS
CAMA MEMBER REGISTERED AFTER AUGUST 20, 2024 -----	\$1445.00 U. S. DOLLARS
SPOUSE/GUEST OF ATTENDEE -----	\$ 895.00 U. S. DOLLARS
*NON-MEMBER REGISTERED ON OR BEFORE AUGUST 20, 2024 -----	\$1670.00 U. S. DOLLARS
*NON-MEMBER REGISTERED AFTER AUGUST 20, 2024 -----	\$1720.00 U. S. DOLLARS

NOTE: Registration and guest fees include 8 meals – Buffet breakfast and lunch on Thursday, Friday, and Saturday, a field trip to the Deerwood Castle Exotic Car Club with a catered dinner on Thursday night, and the Honors Night Banquet on Friday Night. No activities are scheduled for Saturday evening.

***NON-MEMBERS - IF YOU WISH TO REGISTER AT THE LOWER MEMBER RATE, YOU MAY BECOME A MEMBER OF CAMA BY REQUESTING A 2024 MEMBERSHIP FORM OR BY COMPLETING THE FORM ONLINE AT OUR WEB SITE WWW.CIVILAVMED.ORG ON THE MEMBERS' LOUNGE PAGE. THE FORMS CAN BE SUBMITTED SIMULTANEOUSLY.**

SUBMIT REGISTRATION FORMS ONLINE VIA OUR WEB SITE, OR BY EMAIL, FAX, OR REGULAR MAIL TO:

CIVIL AVIATION MEDICAL ASSOCIATION
P. O. BOX 823177, DALLAS, TX 75382

PHONE: 770-487-0100
FAX: 770-487-0080
EMAIL: civilavmed@aol.com

*All registrations will be acknowledged by email - an email address is required. If you do not receive a confirmation email that your registration has been received, please contact CAMA. We do not share email addresses with any other groups or individuals. **YOU MAY ALSO REGISTER AND PAY ONLINE AT WWW.CIVILAVMED.ORG on the ANNUAL MEETING PAGE.***

THIS MEETING IS APPROVED FOR FAA-AME PERIODIC TRAINING. CME HAS BEEN APPLIED FOR.

EDUCATIONAL OPPORTUNITIES

Online Training, Refresher, and Resources for Continuing Medical Education (CME) Credit

Ronan Murphy, MBChB, the CAMA Vice President of Education, has indicated that there are still resources online for those AMEs who need training and/or CME credits. Please see the information and links listed below.

If you are interested in becoming an AME, please contact the [FAA Regional Office](#) responsible for your locality. AME seminar attendance requires advance approval of the [AAM-400 Education Division](#).

Available resources from FAA 400 Education Division:

1. FAA AME refresher courses may be moved to a Zoom format if necessitated by COVID-20 restrictions. Click the link below to access the course schedules 2022:

https://www.faa.gov/other_visit/aviation_industry/designees_delegations/designee_types/ame/seminar_schedule/

- Attendance requires approval in advance. Contact your Regional Flight Surgeon for approval, and the RFS staff will check availability for the course of your choice.
- Registration opens three months prior to the start date of the seminar.
- Participants must have an FAA Designee Registration System account (DRS) to sign up for the AME Refresher course
- If you do not have an account on DRS and wish to have one, click the following link for instructions:

https://www.faa.gov/other_visit/aviation_industry/designees_delegations/designee_types/ame/media/drs.pdf

2. To locate other online courses that offer CME, click the following link:

https://www.faa.gov/other_visit/aviation_industry/designees_delegations/designee_types/ame/amettraining/

- Clinical Aerospace Physiology Review for Aviation Medical Examiners (CAPAME) – 6 hours American Association of Family Practitioners (AAFP) CME credit available
- Multimedia Aviation Medical Examiner Refresher Course (MAMERC) 3.0 - 6 hours AAFP CME credit available

FEDERAL AIR SURGEON'S PILOT MINUTE VIDEO FILES

(To activate each link, use "control" and "mouse click" at the same time)

[Pilot Minute: If I'm on BasicMed, would I ever have to come back through the FAA again?](#)

[Pilot Minute: What happens when I get diagnosed with prostate cancer?](#)

[Pilot Minute: How can I get my medical certification if I have high blood pressure?](#)

[Pilot Minute: Is there a better way to get medical documents to the FAA?](#)

[Pilot Minute: Do I have to report all skin cancers?](#)

[Pilot Minute: How can I get my medical certification if I have high blood pressure?](#)

[Pilot Minute: Is there a better way to get medical documents to the FAA?](#)

[Pilot Minute: How can I survive a crash in the desert?](#)

[Pilot Minute: What are some important safety considerations regarding sunglasses?](#)

[Pilot Minute: What is a verbal authorization and how does it work?](#)

[Pilot Minute: Why is it important to report disability benefits in MedXPress?](#)

[Pilot Minute: What is jet lag and how can I prevent it?](#)

[Pilot Minute: How is the FAA approaching new treatments for cancer?](#)

[Pilot Minute: How do we encourage the brightest minds into aviation?](#)

[Pilot Minute: How do I check my application status in MedXPress?](#)

[Pilot Minute: Is it okay to fly if I'm just a little tired?](#)

[Pilot Minute: What should I do if I have depression or anxiety?](#)

[Pilot Minute: Why is it important to assess my health before piloting an aircraft?](#)

[Pilot Minute: Why is it important to do a PRICE check before and during a flight?](#)

AVIATION MEDICAL EXAMINER (AME) SEMINAR SCHEDULE

For full information, visit the FAA web site at: https://www.faa.gov/other_visit/aviation_industry/designees_delegations/designee_types/ame/seminar_schedule/

DATE OF SEMINAR	SEMINAR LOCATION	SEMINAR TYPE
May 6-9, 2024	Chicago, IL	AsMA
June 10-14, 2024	Oklahoma City, OK	Basic
August 9-11, 2024	TBD	Refresher
September 19-21, 2024	Jacksonville, FL	CAMA
October 21-15, 2024	Oklahoma City, OK	Basic
November 22-24, 2024	TBD	Refresher

The FAA recommends that you make sure all travel and lodging reservations are refundable. While scheduled to proceed as in-person seminars, one or more of these sessions may be rescheduled as a virtual seminar with little notice. These seminars will open for registration when the contract is approved and hotel room block information is received. The CAMA seminar registration will open in May 2024.

Register for a Refresher Seminar

Registration opens **three months** prior to the start date of the seminar. To register for a refresher seminar, you will need an account to access the Designee Registration System (DRS). Please review the instructions (PDF) on the FAA web site for creating a DRS account. Registration is open to the FAA Aviation Medical Examiner (AME)

If you are interested in becoming an AME, please contact the FAA Regional Office responsible for your locality. AME seminar attendance requires advance approval of the AAM-400 Education Division.

Accreditation Statement

The Civil Aerospace Medical Institute is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Seminar Types

Basic

A 4 1/2 day AME seminar focused on preparing physicians to be designated as Aviation Medical Examiners. Contact your Regional Flight Physician

Refresher

A 2 1/2 day AME refresher seminar consisting of 12 hours of AME specific subjects. You must use the Designee Registration System (DRS) to register for a seminar.

Aerospace Medical Association (AsMA)

A 3 1/2 day AME seminar held in conjunction with the Aerospace Medical Association (AsMA). Registration must be made through AsMA. Call 703-739-2240, extension 106/107. A registration fee is charged by AsMA to cover their overhead costs. Registrants have full access to the AsMA meeting.

Civil Aviation Medical Association (CAMA)

Sanctioned by the FAA, this seminar is sponsored by the Civil Aviation Medical Association (CAMA) and does fulfill the FAA recertification training requirements. Registration may be completed through the CAMA website Annual Meeting page (www.civilavmed.org) or by calling CAMA at 770-487-0100.

AME MINUTE ISSUE GUIDE

The FAA issues monthly reminders/updates for Aviation Medical Examiners in the form of a brief audio file with information on an important subject. Following is a summary of the most recent AME Minute issuances, in case you might have missed one. AME Minute items may be accessed from the FAA archive at: https://www.faa.gov/other_visit/aviation_industry/designees_delegations/designee_types/ame/videos/

[AME Minute: Why did the FAA allow AMEs to issue pilots with BPPV?](#)
[AME Minute: Why did FAA establish rules for some diabetic medications for weight loss?](#)
[AME Minute: Why is a pilot's age relevant to a CACI issuance for glaucoma?](#)
[AME Minute: Why does the FAA have two tracks for ADHD?](#)
[AME Minute: Why should I warn my pilots about kava and kratom?](#)
[AME Minute: Why is it important to provide details in Item 60?](#)
[AME Minute: Why did the FAA add a CACI for essential tremor?](#)
[AME Minute: Why did the FAA add another medication for psychiatric conditions?](#)
[AME Minute: Why are categories required for documents when uploading in AMCS?](#)
[AME Minute: Why should I warn my pilots about kava and kratom?](#)
[AME Minute: Why did the FAA add a CACI for essential tremor?](#)
[AME Minute: Why are categories required for documents when uploading in AMCS?](#)
[AME Minute: Why do different categories of anticoagulants have different wait times?](#)
[AME Minute: Why does the FAA now allow AASI recertification for pilots with a history of CHD?](#)
[AME Minute: Why would a pilot need an interim medical certificate?](#)
[AME Minute: Why are categories required for documents when uploading in AMCS?](#)
[AME Minute: Why do I need to confirm a pilot's name matches official identification?](#)
[AME Minute: Why did the FAA change vision limitations?](#)
[AME Minute: Why are commercial balloon pilots asking for exams?](#)
[AME Minute: Why do CACIs require specific verbiage?](#)
[AME Minute: Why does the FAA list some medications as conditionally acceptable?](#)
[AME Minute: Why did the FAA revise the GO AME website?](#)
[AME Minute: Medical Certification Updates for the AME – September 2017](#)
[AME Minute: 10 Color Vision Testing](#)
[AME Minute: Why should AMEs review visits to health professionals?](#)
[AME Minute: Why would a pilot need a verbal authorization?](#)
[AME Minute: Why did I receive a letter about a vision restriction?](#)
[AME Minute: Why does the FAA disallow AMEs from using PRNC?](#)
[AME Minute: Why does the FAA allow recertification of pilots with CHD?](#)
[AME Minute: Why do different anticoagulants have different wait times?](#)
[AME Minute: Why did the FAA introduce a policy on the TAVR procedure?](#)
[AME Minute: Why is the FAA concerned about left atrial appendage closure?](#)
[AME Minute: Why are there new requirements for AFIB or A-Flutter?](#)
[AME Minute: Why can breast cancer be issued by an AME?](#)
[AME Minute: Why do AMEs need to update their profile in DMS annually?](#)
[AME Minute: Why did the FAA issue new guidance regarding pancreatitis?](#)
[AME Minute: Why is the FAA concerned about Over the Counter Sleep Aids?](#)
[AME Minute: Why does the monitoring protocol for ITDM require so many reports?](#)
[AME Minute: Why is the FAA now certifying pilots who are on insulin?](#)
[AME Minute: Why did the FAA add an upload feature to AMCS?](#)
[AME Minute: Why do pilots need to be concerned about CBD products?](#)
[AME Minute: Why do AMEs need to worry about Subpoenas? Part 2](#)
[AME Minute: Why do AMEs need to worry about Subpoenas?](#)
[AME Minute: Why is Unexplained Syncope Aeromedically Significant?](#)
[AME Minute: Why is an evaluation required post myocardial infarction?](#)
[AME Minute: Why is Chronic Immune Thrombocytopenia a CACI?](#)
[AME Minute: Why was the CACI program developed?](#)
[AME Minute: Why is an Incomplete Right Bundle Branch Block considered a normal variant?](#)
[AME Minute: When is a Special Issuance required under BasicMed?](#)
[AME Minute: What Makes Aerospace Medicine Unique?](#)
[AME Minute: Near and Intermediate Vision Testing](#)
[AME Minute: New Oral Anticoagulants in the DVT Protocol](#)
[AME Minute: Identification of ECG Normal Variants Reduces Delays - Part 5](#)
[AME Minute: Double Vision and Heterophoria Testing](#)
[AME Minute: Aeromedical Implications of Disability Benefits Reported by Pilots](#)
[AME Minute: Identification of ECG Normal Variants Reduces Delays - Part 4](#)
[AME Minute: What's So Special About Disposition Tables?](#)
[AME Minute: What the FAA Needs to Know About Monovision Lenses](#)
[AME Minute: Why did the FAA update criteria for PTSD?](#)

Civil Aviation Medical Association

Sustaining, Corporate, and Life Members

The financial resources of individual member dues alone cannot sustain the Association's pursuit of its broad goals and objectives. Its fifty-plus-year history is documented by innumerable contributions toward aviation health and safety that have become a daily expectation by airline passengers worldwide. Support from private and commercial sources is essential for CAMA to provide one of its most important functions: that of education. The following support CAMA through corporate and sustaining memberships, and we recognize the support of our lifetime members:

Corporate Members & Sponsors

Aerospace Medical Association (AsMA)
320 South Henry Street
Alexandria, VA 22314-3579
www.asma.org

Aerospace Medicine Strategic Consultation
(AsMSC), PLLC
1804 Kinsale Drive
Keller, TX 76262
aerospacemedicinestrategiccons.godaddysites.com/

Aircraft Owners & Pilots Association (AOPA)
421 Aviation Way
Frederick, MD 21701
www.aopa.org

AirDocs Aeromedical Support Services
Gregory Pinnell, MD
MBS International Airport
8430 Garfield Road
Freeland, MI 48623
www.airdocs.net

Air Line Pilots Association, International
John Taylor, National Pilot Assistance Chair
7950 Jones Branch Drive, Suite 400 S
McLean, VA 22102
www.alpa.org

Allied Pilots Association
14600 Trinity Boulevard, Suite 500
Fort Worth, TX 76155
www.alliedpilots.org

Aviation Medicine Advisory Service
15530 E. Broncos Parkway, Suite 350
Centennial, CO 80112
www.aviationmedicine.com

Barnett Law Offices, LLC
Aviation Legal Services
8411 Pyott Road, Suite 100
Lake in the Hills, IL 60156
www.BarnettLegal.com

BetterNight Solutions
54714 Kearny Villa Road, Suite 200
San Diego, CA 92123
www.betternight.com

Harvey Watt & Company, Inc.
P. O. Box 20787
Atlanta, GA 30320-9990
www.harveywatt.com

The Ison Law Firm
Anthony Ison, Esq.
P. O. Box 6342
Lakeland, FL 33807
www.thepilotlawyer.com

MedAire, Inc.
4722 N. 24th Street, Suite 450
Phoenix, AZ 85016
www.medaire.com

Neurocognitive Specialty Group
112 Magnolia Estates Drive
League City, TX 77573
www.neurocognitivespecialtygroup.com

Pilot Medical Solutions, Inc.
David Hale, CEO
7220 NW 63rd Street
Bethany, OK 73008
www.leftseat.com

Somnomed
6513 Windcrest Drive, Suite 100
Plano, TX 75024
www.somnomed.com

Wingman Med, LLC
225 N. Pace Boulevard, Suite 410
Pensacola, FL 32505
PilotDoctors.com (Find an AME)
www.wingmanmed.com

Life Members

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Raymond S. Basri, MD, FACS	Harriet A. Lester, MD
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Richard T. Grossart, MD, MPH	Ruth Steward, RN
Bradley K. Harrison, MD	Shepard B. Stone, DMSc, PA
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Atsuo Kikuchi, MD	Stephen J. H. Veronneau, MD, MS
Stephen M. Kirkland, MD	Kathryn Weesner, MD
Stephen D. Leonard, MD	Alex M. Wolbrink, MD, MS

New Members

Christine Brent, MD, FAEMS, FACEP
1613 Morton Avenue
Ann Arbor, MI 48104
AME, Pilot, EAA
Specialty: Emergency Medicine/EMS/Prehospital
Medicine

Nathan Andrews
15610 Angelica Drive
Parker, CO 80134
AMA, AOA
Medical Student

CAMA Refund Policy

As of 01/01/2018, the cancellation/refund policy with regard to Annual Scientific Meeting registration fees and guest fees has been established as follows:

- 1) If a refund is requested due to cancellation of attendance **prior** to the catering guarantee date (*normally about three weeks prior to the first day of the meeting – it varies by hotel, caterer, and location*), 10% of the total registration fee amount, or \$75.00, whichever is greater, will be withheld to cover bank and service processing fees.
- 2) If a refund is requested due to a cancellation of attendance **after** the catering guarantee date, the cost of the meals will be withheld from the refund, plus 10% of the total registration fee to cover bank and service processing fees.
- 3) **Dire** or **unusual** circumstances which require cancellation/refund (attendee and/or guest fees) after the guarantee date will be determined on a case by case basis (death in the immediate family, accidents, emergency surgery, etc.), but the 10% fee will be applicable in all cases.
- 4) The cutoff date for the guarantees are shown on the registration form for each year, so that there will be no misunderstandings. This year that date is August 20, 2024.

**EVERY PILOT
NEEDS A SOLID
GROUND CREW.**

We'll be yours.

Being a member of AOPA is more than having a huge list of resources and pilot benefits. It's more than access to aviation experts waiting to answer your questions, and all the latest safety and training resources. Joining AOPA empowers general aviation with a louder voice, keeping our skies safer and open to pilots everywhere.

Amplify your power to fly. Join AOPA today.
AOPA.org/Join





CAMA MEMBERSHIP DUES NOTICE FOR 2024

(*Required Information)



CAMA

CAMA

*MEMBER NAME & TITLE:									
*MEMBER STREET ADDRESS:									
*MEMBER STREET ADDRESS:									
*MEMBER CITY/STATE/ZIP/COUNTRY:									
AME NUMBER:		SENIOR AME?	YES	NO					
Permission to add name and address to the CAMA Web Site in the Members Only Section?					<table border="1" style="float: right; border-collapse: collapse;"> <tr> <td>YES</td> <td></td> <td>NO</td> <td></td> </tr> </table>	YES		NO	
YES		NO							

Please complete and return with your payment.

NOTE: Membership is from January 1st through December 31st of each year

Membership dues..... \$ 250.00 U.S. Dollars

Sustaining Membership dues (optional)..... \$ 500.00 U.S. Dollars

Membership dues for Retired Members..... \$ 85.00 U.S. Dollars (Retired from medical practice AND no longer performing AME examinations for the FAA)

Membership dues for Students..... \$ FREE

Life Membership..... \$2500.00 U.S. Dollars

Payment Options: CAMA Accepts checks, MasterCard, VISA, Discover, or American Express.

CHECK ENCLOSED	#	MASTERCARD	VISA	American Express	x
CREDIT CARD NUMBER:					
EXPIRATION DATE:					
CVV/CVC SECURITY CODE:					
BILLING ADDRESS ZIP CODE:					
TOTAL AMOUNT/AUTHORIZED CHARGE \$					
PRINT NAME:					

Signature or authorization statement for charge: _____

SPOUSE/SIGNIFICANT OTHER NAME:	
---------------------------------------	--

Check if you are a member of:

PILOT	YES	NO
AME	YES	NO
AMA	YES	NO
HIMS	YES	NO
AOA	YES	NO

EAA	YES	NO
AOPA	YES	NO
FPA	YES	NO
AAFP	YES	NO
AsMA	YES	NO

*MEDICAL SPECIALTY:	
*CELL PHONE NUMBER:	
OTHER PHONE NUMBER:	
FAX NUMBER:	
*EMAIL ADDRESS:	

Return form to: CAMA
P. O. Box 823177
Dallas, TX 75382
FAX: 770-487-0080
Telephone: 770-487-0100
email: civilavmed@aol.com

NOTE: YOU MAY ALSO INITIATE OR RENEW YOUR CAMA MEMBERSHIP ON OUR WEBSITE AT WWW.CIVILAVMED.ORG ON THE "MEMBERS' LOUNGE" PAGE USING OUR SECURE PAY APPLICATION.



CAMA STUDENT MEMBERSHIP FORM AND ANNUAL SCIENTIFIC MEETING AUDIT REQUEST



CAMA

CAMA

*MEMBER NAME & TITLE(S):	
*MEMBER STREET ADDRESS:	
*MEMBER STREET ADDRESS:	
*MEMBER CITY/STATE/ZIP/COUNTRY:	
WHAT IS YOUR FIELD OF STUDY?	
WHAT IS YOUR SPECIALTY OR ANTICIPATED SPECIALTY?	
WHERE ARE YOU CURRENTLY A STUDENT, INTERN, OR RESIDENT? ON FELLOWSHIP?	
WHEN DO YOU EXPECT TO GRADUATE?	
WHAT DEGREE(S) DO YOU CURRENTLY HOLD?	
WHAT DEGREE(S) DO YOU ANTICIPATE UPON GRADUATION OR COMPLETION OF STUDIES?	

Permission to add name and address to the CAMA Web Site in the Members Only Section?	YES		NO	
--	-----	--	----	--

IF YOU PLAN TO AUDIT PRESENTATIONS DURING THE CAMA ANNUAL SCIENTIFIC MEETING, PLEASE ANNOTATE WHICH DAYS OR EVENTS YOU PLAN TO ATTEND SO THAT ID CREDENTIALS CAN BE PREPARED FOR YOU:	
---	--

Check if you are/are a member of:

*PILOT	YES		NO	
*AsMA	YES		NO	
*AMSRO	YES		NO	

*EAA	YES		NO	
*AOPA	YES		NO	
*AMA	YES		NO	

*AOA	YES		NO	
*AAFP	YES		NO	
*FPA	YES		NO	

*AME	YES		NO	
*HIMS	YES		NO	
**OTHER	YES		NO	

**OTHER ORGANIZATIONS/GROUPS	
CELL PHONE NUMBER:	
OTHER PHONE NUMBER:	
FAX NUMBER:	
*EMAIL ADDRESS:	

**(E-mail address is REQUIRED, please – all CAMA correspondence, registrations, notifications, and publications are sent via email. Please notify CAMA of any email address changes. CAMA does not share your information with any other entity or with any changes, so that you do not miss any important communication with our organization.*

NOTE: CAMA does offer discounted student registrations for our Annual Scientific Meetings, and Students may audit the educational sessions at no charge (no meals or CME included without prior payment). We do request advance notice for planning and space arrangement purposes.

PLEASE RETURN FORM TO: CIVIL AVIATION MEDICAL ASSOCIATION (CAMA)
 P. O. BOX 823177
 DALLAS, TX 75382
 TELEPHONE/TEXT: 770-487-0100
 EMAIL: civilaymed@aol.com



CAMA CORPORATE MEMBERSHIP FOR 2024



Corporation/Business Name and Address:

Please complete and return with your payment.

NOTE: Membership is from January 1st through December 31st.

Corporate Membership dues..... \$ 550.00 U.S. Dollars.

CAMA accepts MasterCard, VISA, Discover, American Express, and checks only.

NOTE: You may pay corporate dues online on the "Members Lounge" page of the CAMA web site at www.civilavmed.org using our secure payment application.

Payment Options:

Check Enclosed # _____ MasterCard _____ VISA _____ AMEX _____

Credit Card Number: _____

CVV/CVC Security Code: _____

Zip Code of Billing Address: _____

Expiration Date: _____ Authorized Amount \$ _____

Print Name on Card: _____

Signature: _____

Return form to: CAMA
P. O. Box 823177
Dallas, TX 75382
FAX: 770-487-0080
Telephone: 770-487-0100
email: civilavmed@aol.com

PLEASE PRINT (* required information)

*Contact Person(s) Name: _____

*Specialty/Type of Business: _____

*Phone: # () _____

Cell # of Contact Person(s): () _____

Fax: # () _____

*E-Mail Address of Contact Person(s):
