President’s Page

The Pathway to Fellowship

How does one become a Fellow in this Association? One of the key issues that surfaced in the membership survey we recently conducted was that although members were 90% satisfied, how one advances in the Association was unclear to many members. Although advancement may mean different things to different members, for the sake of this message, I will focus on the pursuit of Fellowship.

According to Association guidelines, a clear path of advancement to Fellowship is generally based on participation in Association activities, attending annual scientific meetings, showing leadership, and commitment to AsMA. The pathway to Fellowship is a joint responsibility between the individual and the leadership of the Association.

For new members, we encourage you to find a mentor, someone who can guide you in this process. Members join AsMA for a reason. As you pursue your personal goals you also begin a 5-year journey to Associate Fellowship. Early in your 5-year cycle, you want to become familiar with the committee structure and how AsMA conducts its business. Join a committee or two that best align you with your career goals. It is here that you create a sense of community, the theme of Bob Weien, M.D., AsMA’s most recent past president.

Plan to attend all annual scientific meetings. Big decisions are made at big events. It is here that you will solidify your commitment to AsMA. The annual meeting is a great place to network, and a place to create lasting fellowship. It is here that you will present scientific papers in your area of specialty. It is your chance to cultivate leadership, establish your visibility, chair committees, attend Council meetings, and gain recognition. You are on your way to Associate Fellowship.

Members who are interested in advancement in the Association and in their own career development need to be Associate Fellows. The Associate Fellows Group (AFG) is a dynamic, cohesive, and well-designed organization within AsMA that has its own unique culture. It’s through the AFG that you will learn how to pursue Fellowship. “We have worked hard over time to enhance the usefulness of the AFG to the membership,” says Charles Fisher, M.D., past Chair of the AFG. It is through the AFG that award winners emerge. For example, I want to congratulate LCDR Anthony Artino, Jr., winner of the 2010 annual Ellingston Award for being the first author on the most outstanding article in the *Aviation, Space, and Environmental Medicine* journal of ASEM written by an Associate Fellow.

“As an Associate Fellow you are only an introduction away from a rewarding future with life-long friendships,” says Christopher Borchardt, M.D., a past secretary for the AFG. “So, take a moment at an annual meeting,” says Chris, “and introduce yourself to a lifetime of opportunity. Get a copy of the Associate Fellow application and familiarize yourself with the criteria for qualification. Actively participating as an Associate Fellow connected me with a network of like-minded individuals that has endured over a decade and benefitted all of us alike.”

“It is through the AFG that members learn and receive guidance on how to sponsor scientific panels, serve as panel chairs, or present scientific papers,” says Janet Sanner, AFG Program Chair for 2010-2011.

So, now you ask, how do I become a Fellow? Well, not to sound like a broken record, but you first become an Associate Fellow. Within the AFG you will receive mentorship on the pathway to Fellowship. It’s that simple.

The AFG publishes a newsletter annually with valuable information and guidance on how to get on track to Fellowship. It publishes the scoring point system that tracks your activities and outlines the categories of participation, including time in aerospace medicine, education and training, publications and presentations, and other association activities, that can earn points towards consideration for Fellow.

Associate Fellows are encouraged to meet the Fellows and Fellows are encouraged to reach out to the Associate Fellows to strengthen reciprocal relationships. George Anderson, M.D., Chair of the Fellows Group, Genie Bopp, Chair of the AFG, and the membership are eagerly anticipating the first joint Associate Fellows/Fellows reception at the annual meeting in Anchorage. The intent of the reception is to recruit new Associate Fellows, explain the benefits of membership and leadership in AsMA, expand AFG participation in AsMA activities, and get to know the AsMA Fellows. The reception is open to all members and we hope to see you there. Be sure to register and reserve your tickets for the reception.

Nominations for Fellow are drawn from the AFG, beginning in August each year. Associate Fellows are encouraged to take initiative for their own advancement within AsMA. Another way to get nominated is to ask a Fellow to submit your name for nomination. The Fellows Group will in turn, contact you for further information.

How do I know I’m ready to be a Fellow? The point system will be a gauge. But, there is a saying, and it goes something like, “Make your move before you’re ready.” Don’t get bogged down in getting ready. You can make a career out of laying the groundwork to do something really big. If you follow the path I described in this message, and open yourself up to the resources that are available, you will discover that the power of the group will bring valuable strength to your own hand. Take the Quantum Leap. The time to start is now!

“One can be a Brother only in something. Where there is no tie that binds men, men are not united, but merely lined up.”

Antoine De Saint-Exupery, French Aviator, Writer, 1900-1944
Paper or Electrons?

AsMA membership offers a number of benefits, including access to our monthly peer-reviewed journal Aviation, Space, and Environmental Medicine. All membership categories except Emeritus and Student members are provided a hardcopy of the journal and online access to the electronic journal every month. Emeritus and Student members are provided online access to the electronic journal but must purchase an individual subscription through the AsMA Membership Department to receive a hardcopy of the journal.

With the explosion of digital publication, many AsMA members have become very comfortable receiving all of their professional publications in electronic format and prefer to read those publications on their digital devices. Others still prefer to have that paper copy in their hands and prefer to read their professional publications from paper.

Considering these differences, the AsMA Council discussed the best way to meet our members’ reading preferences. The Council approved a process that would offer members four important capabilities:

1. Offer members flexibility in receiving the Association journal.
2. Reduce postage costs for the Association.
3. Reduce production costs of the Association journal, and
4. Provide members a green option for receiving the Association journal.

We recently completed modification of the Association database to facilitate this new function. To access the “Mailing Lists” function on your Member Profile page, members should do the following:

1. Go to www.asma.org
2. Select the “Members Login” from the menu on the left side of the AsMA Home Page
3. Log into the Member Home page with your Username and Password
4. Select the “View or Change My Info” link – you will be taken to your Member Profile page
5. Find the “Mailing Lists” function immediately after the address sections

All members will have the “ONLINE ACCESS TO JOURNAL” option showing and the box will be checked. All membership categories have access to the Online Journal and members cannot opt out of the online journal.

All membership categories, except Emeritus and Student members, will also have the “HARDCOPY JOURNAL” option showing and the box will be checked. If you prefer not to receive the HARDCOPY JOURNAL, simply uncheck the box and your database will reflect that change and add you back to the mailing list for the HARDCOPY JOURNAL.

Student and Emeritus members wishing to receive the HARDCOPY JOURNAL must purchase an individual subscription. Please contact the Membership Department at (703) 739-2240 extension 106 or 107, gcarter@asma.org or skildall@asma.org, to purchase an individual subscription to the HARDCOPY JOURNAL.

That’s it! You now have control of your HARDCOPY JOURNAL mailing. If you prefer to have the paper journal stopped because you always access the electronic journal online, you can opt out of the paper journal mailing. If you want to continue receiving the paper journal, simply do nothing.

[And as long as you are logging in to your member profile, why not check to be sure your information is up to date?]

Associate Fellows Breakfast
Tuesday, May 10th at 7:00 a.m.

With over 90 new members this year alone, the Associate Fellows plan to make this an exciting meeting. Our breakfast will feature speakers who will discuss importance of AsMA membership and details on committee participation. Service awards and the Ellingson award will also be presented. Come to breakfast and learn what being an Associate Fellow means at AsMA!

Associate Fellows and Fellows Reception
Tuesday, May 10, 5:30 p.m. Open to all!
Please sign up to attend the newest reception of the meeting sponsored by Wyle.

The combined Fellows and Associate Fellow reception on Tuesday night will be a great opportunity for the members to meet and to get to know one another. Good food and a drink will be provided. All attendees will receive raffle tickets for a chance to have their AsMA dues paid or to receive an AFG logo shirt. Fred Bonato and Will Simmons will be there to share information on how to get your work published in the Journal and become eligible for the AFG Ellingson award. Associate Fellows can learn how to become more involved in the organization and perhaps be mentored by an AsMA Fellow. Associate Fellows who attend the reception will have their AFG dues for 2011 waived.

Even if you are not an Associate Fellow, you are welcome to attend to learn more. We look forward to seeing you!

Donate to the Foundation
The AsMA Foundation supports the field of Aerospace Medicine through financing educational & scientific programs, providing scholarships, supporting grants for research, etc. Please visit the Foundation page on the AsMA website: www.asma.org.
Send checks to: AsMA Foundation, 700 Gemini St., Suite 110, Houston, TX 77058.
Donations are tax deductible.
European School of Aviation Medicine

Training Courses 2011/2012
for JAA/FAA Aero Medical Examiners

AME class 2
Basic course 21 3–11 September 2011
AME class 1
Advanced course 21 3–11 December 2011
Aviation Medicine/Travel Medicine
Diploma course 21 17 – 25 March 2012

Venue: Lufthansa Aeromedical Center,
Frankfurt Airport.
Application forms and further details under

Upcoming FAA AME Seminars:

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<td>May 9-12, 2011</td>
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Please note: The only FAA seminar AsMA takes registrations for is the one held in conjunction with our annual meeting in May. For all others, please see below.

N/NP/P = Neurology/Neuropsychology/Psychiatry
O/O/E = Ophthalmology/Otolaryngology/Endocrinology
* A 4-1/2 day AME seminar focused on preparing physicians to be designated as Aviation Medical Examiners. To sign up or for more information, contact your Regional Flight Surgeon.
+ A 2-1/2 day AME theme seminar consisting of 12 hours of AME specific subjects plus 8 hours of subjects related to a designated theme. Registration must be made through the Oklahoma City AME Program staff. Please call (405) 954-4831 or (405) 954-4830.
‡ A 3-1/2 day AME seminar held in conjunction with AsMA’s Annual Scientific Meeting. Registration must be made through AsMA. To register or for more information, call 703-739-2240 x 106 or 107. AsMA charges a registration fee to cover their overhead costs. Registrants have full access to the AsMA meeting. CME credit for the FAA seminars is free.
For more information, you can visit the FAA’s site at: www.faa.gov/other_visit/aviation_industry/designees_delegations/designee_types/ame/seminar_schedule/

Fort Worth
Texas
44th UHMS Annual Scientific Meeting
June 15-18, 2011
Renaissance Worthington

Undersea & Hyperbaric Medical Society
Office of Naval Research
NAVSEA

www.uhms.org
Invitation to All AsMA Members To Attend ICASM 2011
By Silvio Finkelstein, M.D.

The 59th International Congress of Aviation and Space Medicine (ICASM) Will Take Place in Bucharest, Romania, September 11-15, 2011
Dear Colleagues:

The beautiful city of Bucharest, capital of Romania (the Paris of Eastern Europe, as it has been called) will host the Congress which is being organized by the 90-year-old Institute of Aviation and Space Medicine under the Sponsorship of the International Academy of Aviation and Space Medicine (IAASM).

Our Romanian colleagues are working hard in the organization of the event in close cooperation with different bodies and officers of the Academy.

The results of work carried over the last years behind the scenes by the Organizing Committee under the general direction of Professor Marian Macri are now surfacing.

The Organizing Committee is working hard to offer an outstanding Congress in the beautiful city of Bucharest.

The main goal of the International Congress of Aviation and Space Medicine is to provide a forum for aerospace medicine and related field specialists to present the results of their work. So it is hoped that many abstracts will be submitted.

The deadline for abstract submission is June 15, 2011.

However, to complete the Scientific Program I am pleased to share with you some of the salient points we have in mind as proposals for the ICASM 2011:

Major General Dumitru Prunariu, the Romanian Cosmonaut who flew the Soyuz 30 years ago will be the keynote speaker (for those not familiar with Academy Congresses, the Allard lecture to be given by General Prunariu during opening day is equivalent to the Bauer lecture of AsMA).

Since 2011 marks the 10th anniversary of the 9/11 events, the Organizing Committee considered appropriate to have a Session dealing with Global Health Security, including bioterrorism. For that we have secured the participation of a former director of Homeland Security of a State.

Now that, according to the World Health Organization, we are in the post-pandemic period, an update on Preparedness planning for pandemics is being considered for presentation.

A session on “Contemporary issues in aviation medicine” encompassing civilian, military, and commercial space travel aspects is also being considered.

A presentation is planned on the aeromedical aspects of volcanic clouds. Additionally, we are contacting international experts to provide us with an update on the medical implications of Aviation and Climate change.

And to close the program on a high note, we are proposing to the Scientific Committee of the Academy a Session dealing with a very specific and relevant topic.

The Congress web page: http://www.icasm2011.ro/online/ is already operational. You will find all relevant information there.

Best regards and thanks, looking forward to seeing many of you in Alaska and Bucharest.

Space Medicine Association Luncheon Speaker

The Space Medicine Association Luncheon Speaker in Anchorage will be Dr. Jon Clark. He will be speaking on the topic: “Medical Support For A Manned Stratospheric Balloon Freefall Parachute Flight Test Program.”

Dr. Clark is a highly sought after consultant in civilian spaceflight and extreme environment life support and risk assessment.

He has extensive experience from his time serving the space program at NASA as an Aerospace Medicine Specialist and also extensive experience from his military background in the U.S. Navy. He serves as the Space Medicine liaison on the National Space Biomedical Research Institute at Baylor College of Medicine, has held many positions in the Aerospace Medical Association, and is a past president of the Space Medicine Association.

He has published extensively and is a dynamic speaker with an encyclopedic fund of knowledge.

AsMA Corporate Members Thanks for your support!

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South African Airways
Spectrum Aeromed
Sperian Protection Optical, Inc.
United Airlines
Universities Space Research Association
Verathon Medical Corporation
Virtual Flight Surgeons, Inc.
Wyle

MEETINGS CALENDAR

May 2–5, 2011; 16th International Symposium on Aviation Psychology; Dayton, OH. Wright State University, Dayton, OH. Info: www.wright.edu/sap
May 8–12, 2011; 82nd AsMA Annual Scientific Meeting; Anchorage, AK.
Denai’na Convention Center. Info: www.asma.org
June 15–18, 2011; 44th UHMS Annual Scientific Meeting; Fort Worth TX. Renaissance Worthington. Info: www.uhms.org
September 11–15, 2011; International Congress of Aviation and Space Medicine; Bucharest, Romania. Info: www.iaasm.org/congresses.cfm

Future AsMA Meetings
May 8-12, 2011
Denai’na Convention Center
Anchorage, AK
May 13-17, 2012
Atlanta Hilton
Atlanta, GA
May 12-16, 2013
Chicago Sheraton
Chicago, IL
May 11-15, 2014
San Diego Hilton
San Diego
May 10-14, 2015
Walt Disney World Swan and Dolphin Hotel
Lake Buena Vista, FL

CAMA Annual Scientific Meeting
Tucson, Arizona
October 6-8, 2011

“Cognition, Sleep Disorders and Fatigue in Aviation: A Comprehensive View”
Superb Faculty
AME Seminar Credit
Inquiries welcome: david.millett@yahoo.com

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500
Aviation, Space, and Environmental Medicine • Vol. 82, No. 4 • April 2011
AsPS Smith Ames Lecture

The Aerospace Physiology Society is pleased to introduce Jay Dean, Ph.D., as the speaker for the Annual Smith Ames Lecture. Dr. Dean is one of the world’s leading experts in hyperbaric neurophysiology and is professor of Molecular Pharmacology and Physiology at the University of South Florida. He was formerly the Brage Golding Distinguished Professor of Research at Wright State University. His current laboratory houses five different styles of pressure chambers, which mimic the environmental conditions challenging divers who breathe pure oxygen under high barometric (hyperbaric) pressure.

Dr. Dean has written a book on the physiology of high altitude flight during World War II, titled ‘Aviator versus the Environment: Learning to Protect the Health of the High Altitude Aviator During WWII’. During his lecture he will provide insight on his impressive collection of historical documents, books, films, and other artifacts detailing the history of hypobaric and hyperbaric medicine and high-altitude flight. Dr. Dean became interested in the history of aviation medicine while working on his doctorate in physiology at The Ohio State University. His interest was further stimulated by 15 years of living and working near Ohio’s Wright-Patterson Air Force Base, which served as a military epicenter for the aviation medicine during WWII. Check with the AsPS information table for more information and get your lunch reservation early!

Membership with AsPS

The campaign to gather new members interested in Aerospace and Operational Physiology is on! If you are currently working in the area of operational physiology, applied physiology, or have a general interest in networking with a group of professionals with like interest, please check with the AsPS information table. You will discover that the Aerospace Physiology Society hosts a variety of annual social and professional events, including a series of annual awards that recognize outstanding contributions to the field of aerospace physiology. Advance your professional standing with the outstanding group of Aerospace and Operational Physiologists that form AsPS!

Aerospace Physiology Luncheon

Wednesday, May 11

Smith Ames Lecture: “The History of Aviation Medicine in the USAAF During WWII” given by Jay Dean, Ph.D., Dept. of Molecular Pharmacology and Physiology, Director, USF Hyperbaric Biomedical Research Laboratory, Univ. of South Florida. Dean is a neurophysiologist with a strong interest in the history of aviation medicine while working on his doctorate in physiology at The Ohio State University. His interest was further stimulated by 15 years of living and working near Ohio’s Wright-Patterson Air Force Base, which served as a military epicenter for the aviation medicine during WWII. During his lecture he will provide insight on his impressive collection of historical documents, books, films, and other artifacts detailing the history of hypobaric and hyperbaric medicine and high-altitude flight. Dr. Dean became interested in the history of aviation medicine while working on his doctorate in physiology at The Ohio State University. His interest was further stimulated by 15 years of living and working near Ohio’s Wright-Patterson Air Force Base, which served as a military epicenter for the aviation medicine during WWII. Check with the AsPS information table for more information and get your lunch reservation early!

AsPS Education and Training Panel, Tuesday, 2:00 p.m.

“Operating in the Visual Environment”

AsPS Social --Wednesday evening, May 11, at Chilkoot Charlie's

Tickets available at the AsPS table.
Get Ready for Anchorage
by Zulene Simmons

When I wrote this it was the winter solstice, accompanied by a total eclipse of the moon. It was amazing to see the moon with red colors. For Alaskans, the winter solstice signals an end to the dark days of winter. For this Alaskan, it also signaled a new beginning. My husband and I returned from the Mayo Clinic, with what appears to be a successful re-implantation of his hip, on the 17th of December. He is walking again (with crutches). By the time this article goes to press, we will be to the Spring Equinox. That means we will have twelve hours of darkness and twelve hours of light. It is time to get excited again about the upcoming ASMA meeting in Anchorage. For those of you who have been here during May, or the summer, you know that by the time you all arrive we will be up to nearly 18 hours of daylight. Remember you will not see the Northern Lights, otherwise known as the Aurora Borealis.

By now, I hope you have had a chance to review the schedule of events for the 2011 meeting. It is time to put that request in to employers so that you will be able to have the time to attend our meeting. Monies are short all over. We can no longer EXPECT to go to all of the meetings we normally attend. Get your requests placed at the top of the pile.

As you noticed, we have scheduled an extra tour on Friday. We had hoped to have that tour on Tuesday; however, time constraints made it impossible. If you have never seen a glacier up close, you are in for a treat. If you have seen a glacier before, remember that they are forever changing. You never know when one will calve and you will hear that crashing sound. Every time I see the splash and hear that sound, I am amazed all over again. May is also the start of the whale migration. I have been on this tour several times. I have seen whales, bears on the mountain sides, eagles, otters, goats, puffins and dolphins. The cabin of the boat we will be on is fully enclosed and warm in case of inclement weather. A light lunch will be served and a pay as you go bar will be open. Sometimes they are able to catch a chunk of glacial ice and make up a fresh batch of Margaritas.

There is usually a forest ranger on board to answer questions and point out things we might otherwise miss. The ride to Whittier takes about one hour. One of the time constraints is the fact that you must wait your turn while traveling through the tunnel. You share the one-way tunnel with trucks, boats, and trains. You don’t find people running red lights there! For those of you who were here in 2004, you should know that you were treated to real Chamber of Commerce weather. May is very unpredictable. Most of the snow should be gone by then. We should be up to about 18 hours of daylight. There is usually very little rain in May. If you are arriving Saturday evening, you might consider getting reservations for Mother’s Day Sunday Brunch ahead of time. I have only tried the Captain Cook’s brunch. It is amazing. We have hiking trails that nearly encircle the town. Ship creek runs through the middle of town. One of our main malls is within easy walking distance of all the hotels we will be utilizing. We do not have a Saks Fifth Avenue, but we do have a Nordstrom’s. The museum has a gift shop that features Alaskan craftsmen. Simon and Seaforts is one of our most popular restaurants. It is a short cab ride or a long walk from your hotel. It offers a beautiful view of the inlet. Unfortunately, you will not be able to see sunset while they are open. Nor should you plan to see the Northern Lights. Remember you will need your sunglasses most of the 18 hours of the day, Tuesday’s tour will be your best introduction to the Northern Lights.

I am looking forward to seeing old friends and meeting new friends. Alaska is still the last frontier.
ETC’s NASTAR Center Announces 2011 Space Program

Environmental Tectonics Corporation’s (ETC) NASTAR® Center, the premier commercial aerospace training and research center in the world, recently announced its 2011 Schedule of Space Training and Educational courses for the year. Programs commenced in March. Courses featured include: Space Pilot, Spaceflight Participant, Suborbital Scientist, Teacher Workshop, and Summer Camp. The National Aerospace Training and Research Center, located just outside Philadelphia, PA, has been in operation since 2007 and is the only company approved by the Federal Aviation Administration’s Office of Commercial Space Transportation to provide space flight training to the general public. NASTAR Center’s Space Programs provide a continuum of space education from grades 4 to professional space pilot. Students, teachers, researchers, and space participants have been among the trainees taught at NASTAR Center.

—For more information, visit the press release at www.etcausa.com/corp/pressreleases/NR020111.html

South African Airways Announces New Non-Stop Service

South African Airways (SAA) has announced an enhanced flight schedule which will open new travel options to its customers. The rollout of the airline’s network expansion plan will result in an increase in seats available on some routes and an increase in the frequency of its flights on other routes. Also, starting in May 2011, SAA will offer a non-stop flight between Johannesburg and New York.

—For more information, please see www.flysaa.com/Journeys/cms/ZA/flyingSAA/..._categories/News/Newsarticle2011-01.html.

Baxter’s Prefluelc Shown to Protect Against Influenza

Baxter International, Inc., recently announced results of a study published in a recent issue of The Lancet that demonstrated the effectiveness and tolerability of Baxter’s Prefluelc in protecting against seasonal influenza. The study data showed nearly 80% protective efficacy against the influenza strains contained in the vaccine and a low adverse event profile.

Investigators studied the safety, immunogenicity, and protective efficacy of Prefluelc through a randomized, double-blind, placebo-controlled phase III trial conducted in more than 7200 healthy volunteers in the United States during the 2008/2009 influenza season. Study results indicated that participants responded positively to the vaccine, with 78.5% protective efficacy against culture-confirmed influenza infection (CCII) and robust immune responses (measured as seroprotection rates) against the three viral strains contained in the vaccine. In addition to protection, study investigators found significantly reduced duration and severity of influenza symptoms in infected subjects in the vaccinated group, as compared with the placebo group in a subsequent analysis. The vaccine was well tolerated, with no treatment-related serious adverse events reported during the trial.

—For more information, visit the press release at www.baxter.com/prefluelc/display.html.

Wyle Demonstrates New Cost-Estimating Tool

A new cost-estimating tool that can be used for a wide range of acquisition systems was demonstrated by Wyle experts in February at the eighth annual NASA Project Management Challenge at the Long Beach Convention Center in California. A tool, called VIEW, was created by a Wyle unit that has provided independent cost analysis and affordability assessments to the Intelligence Community, Department of Defense, and NASA for decades. Wyle has specialized in providing accurate “should cost” analysis for a wide range of high tech systems including, satellites, aircraft, and large information technology; command, control, communications, computers, intelligence, surveillance, and reconnaissance (C4ISR); and major automated information systems.

The Wyle system is user customizable and transparent, so it is not a black box approach. VIEW has an estimator built in that uses a nine-step cost estimating process and a library that becomes a storehouse for enterprise cost estimating related information and data. Among the features of VIEW are: an intuitive user interface that reduces the learning curve; automated documentation development; pre-defined and custom report generation; flexible editing; easy versioning for “what-if” drills; time phase and inflation results; and the ability to import data from a standard Excel data sheet. The tool also can function in a multi-user environment.

—For more information, please visit www.wyle.com/news/Pages/02-08-2011.aspx.

Mayo Clinic Uses Whole Genome Sequencing to Plan Cancer Therapy

Whole genome sequencing — spelling out a person’s entire DNA genetic code — has moved one step closer to becoming a medical option for direct patient care. Physicians and researchers at Mayo Clinic in Arizona and the Translational Genomics Research Institute (TGen) successfully completed sequencing both a single patient’s normal and cancer cells — a total of more than 66 billion DNA chemical bases. While the whole genomes of several individuals or their cancers have been sequenced in recent years, this is believed to be among the first successful application of whole genome sequencing performed in support of the medical care of a specific cancer patient.

A male patient with pancreatic cancer was the first patient at Mayo Clinic to have whole genome sequencing performed on both his cancer and non-cancer cells as part of a clinical research project. By comparing the tumor DNA to the patient’s normal DNA, researchers found a genetic change (mutation) that was important in helping inform doctors about how best to plan the patients next treatment. This was a case of using a definable genetic change that could be linked to specific treatment, something believed to be a glimpse into the almost certain future of individualizing cancer care.

—For more information, please see www.mayoclinic.org/news2011-sct/6171.html.

Air Canada Adds Seats to Toronto Flights

Air Canada recently announced that it will add for this summer 450,000 more seats than summer 2010 to and from its Toronto hub, including new daily service to four major international destinations. The expansion is part of a system-wide capacity increase for summer 2011 that will result in additional international, transborder, and domestic flying. The additional capacity will result in more service from points across Canada in all three of Air Canada’s major market segments.

—For more information, please visit aircanada.mediaroom.com/index.php?s=43&item=417.

Spectrum Aeromed Designs Medical Device Stand for LAFD

Spectrum Aeromed has delivered a custom-built carry-on medical and communication device stand for the Los Angeles Fire Department (LAFD). The LAFD’s Air Operations Section contracted Spectrum Aeromed to design, engineer, and install a custom carry-on medical device stand for their AgustaWestland AW139 multi-mission helicopters. The Spectrum Aeromed design and engineering team collaborated with the LAFD’s special missions staff to get a better understanding of how this proposed unit was expected to function. As a result, the one-of-a-kind medical stand was created to the exact dimensions of the aircraft. The unit is floor- and ceiling-mounted for stability with a quick-release capability to accommodate versatility for the multi-mission aircraft.

—For more information, please see the news item at www.spectrum-aeromed.com/news/news_releases/spectrum-aeromed-delivers-for-los-angeles-fire-department/.

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Natacha Cough of Stanford, CA, has graduated from being a Medical Student IV at the University of Michigan in Ann Arbor and is now an Emergency Medicine Resident at Stanford University in California.

Laura Drudi (M.D. candidate 2012) will be embarking on a 2-week expedition to Antarctica with the Students on Ice program. This program is a unique educational opportunity to learn about the impact human beings have on fragile ecosystems with a focus on how space technology is crucial in protecting and monitoring the Earth’s resources and environment.

Kris R. Lehnhardt of Washington, DC, is currently a Major in the Canadian Air Force Reserves and an Emergency Physician and Assistant Professor at George Washington University.

Major Rachel Morrell, M.D., CCFP, of Cold Lake, Alberta, Canada, formerly Wing Surgeon at the 23rd Health Services Centre Detachment, Moose Jaw, has transferred to serve as Wing Surgeon at the 22nd Health Services Centre, Cold Lake.

Scott Parazynski, M.D., a former astronaut, has joined The Methodist Hospital Research Institute in Houston as the chief medical officer and chief technology officer. He has a very unique background, combining medicine and technology under very extreme environments.

Col. (Ret.) David Schall, M.D., M.P.H., FACS, FACP, recently retired after 37 years of service with the USAF in the Active, Reserve, and Guard components. He most recently served as the Combatant Command Surgeon for European Command and helped stand up the newest Geographic Combatant Command, AFRICOM. He also had served as the Command Surgeon for the Pacific Air Forces and the Air Force Academy. Col. Schall was the Consultant to the Surgeon General for Otolaryngology Head & Neck Surgery and the Consultant to the Surgeon General for the field of Aerospace Medicine in 2010: The AsMA Foundation would like to thank the following donors and organizations who have generously supported the Foundation and the field of Aerospace Medicine in 2010: Society of NASA Flight Surgeons; Space Medicine Association; George K. Anderson; David K. Broadwell; Lloyd E. Dod; Alice and Chris Flynn; Richard Jennings; Smith Johnston III; Jeffery A. Jones; Zoran F. Lolic; Lawrence Marinelli; George C. Mohr; Kenneth J. Myers; Guillermo Salazar; Thomas J. Tedici; James M. Vanderploeg; and Robert W. Weiern.

The AsMA Foundation has made every effort to assure that this list is complete, but we acknowledge that errors may occur. Please re-