



CSA Courier

President's Message — Richard Leland



This will be my last CSA President's Message. I have enjoyed the privilege of being your CSA president for the past two years. Those years have seen CSA continue to grow as an affiliate to ASMA and in our capacity to represent you, our members.

In a moment, I will summarize the things CSA has accomplished. However, none of the things I will mention would have been possible had it not been for the hard work and enthusiasm of the CSA Officers. Each of the officers has served two consecutive years and the resultant continuity has contributed to the growth of CSA and it has been my pleasure to work with them. I am proud of and grateful to the CSA officers and I would like to recognize them here:

Dr. Leroy Gross - President Elect and soon to be CSA President

Dave Hale - CSA Secretary / Treasurer

Mary O'Connor - CSA Historian

CSA's goals are to continue to increase membership in the Affiliate. We want to further our efforts to establish CSA's identity as a strong professional organization dedicated to supporting

ASMA and to continue to look for opportunities to robust the benefits of CSA and ASMA membership. I am pleased to report that CSA membership now includes 50 member organizations. Please help us spread the word to other organizations about the benefits of becoming a CSA member.

The CSA web site is up and running. Please visit www.ASMACSA.org for news on CSA

activities, upcoming events, new from our membership and for member organization profiles. Also, check out the CSA Courier, which is posted on the website. All CSA members can submit articles of new articles for publication in the CSA Courier and on the CSA website.

The CSA logo has been established thanks to CSA President elect, Dr. Leroy Gross, Inomedic, Inc. took on this initiative. The CSA logo represents all members of CSA and CSA's supporting relationship with ASMA. Guidance for CSA members on use of the logo will soon be published on the CSA web site. CSA members should be deservedly proud and the logo serves to distinguish our membership.

Dr. Marion Sides chairs the CSA Long Range Planning Committee. This important committee will shape CSA's strategic goals and objectives.

CSA has received funding from ASMA and a structure to receive the funding. This funding is being used to CSA's efforts in establishing CSA as a strong and professional organization dedicated to supporting ASMA. This year, CSA is sponsoring the Aerospace Nursing Careers & Research Opportunities Workshop and the Red Bull STRATOS Space Jump Panels, providing a top notch CSA luncheon speaker, Dr. Edward F.X. Hughes, and sponsoring the AMSRO Scientific Paper award. Please attend all of these excellent events.

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President's Message (cont. from page 1)

The CSA brochure is has been approved by CSMC. This brochure describes the benefits available to CSA members and CSA's relationship with ASMA and will be a powerful tool in motivating prospective member organizations to join CSA. Look for it on the CSA web site at www.asmacsa.org

The CSA Courier continues to be a valuable tool to keep the CSA members informed and for CSA members to showcase their companies and accomplishments. Please visit the CSA web site and download the latest CSA courier.

I am excited about the future of CSA under the Presidency of Dr. Leroy Gross and we can all look forward to next year's accomplishments. Leroy will start the year with his 2 years of experience and newly elected President Elect, Historian, and Secretary-Treasurer and I wish all the very best.

I offer my special thanks to the following people: Dr. Yvette DuBois, as chair of CSMC for her continued support and gentle prodding to keep the affiliate moving forward and bringing value to the association; Debra Licktieg, Eagle Applied Sciences, for her continued work on the history initiative and nomination of this year's officers; Greg Kennedy, Director of Educational Programs at NASTAR Center for his work as editor for the CSA courier; and Chris Snee, Manager / Creative Visualization Lab (CVL) at ETC for his work on the CSA brochure.

Last, but not least, my thanks to all of the CSA members. You are CSA, a select group of aerospace professional organizations, and it has been my privilege to represent you.

Dick Leland, MA, President NASTAR Center

President, Corporate and Sustaining Affiliate, 2011 - 2013

CSA Sponsored Workshop and Panels

CSA is sponsoring 1 workshop and 3 panels this year:

Aerospace Nursing Careers & Research Opportunities Workshop - This workshop is being co-sponsored with the Aerospace Nursing Society and AsMA. The workshop is designed to introduce nurses to careers in our discipline, illustrate the research questions important for the advancement of the field, and provided support for research involvement. Speakers include Col. Nora Taylor, Marian Sides, Janet Sanner, Richard Gustavson, and Cathy Dibiasse with a comprehensive review of research design, as well as descriptive and inferential statistical analysis by Dr. Nicole Close, PhD.

Red Bull STRATOS Space Jump Panels - Dr. Jonathan B. Clark and his medical support team will be reporting on the October 14th space jump of Felix Baumgartner. ***Biomedical Results of the Red Bull Stratos Project, Stratos Medical Operations, & Testing Integrity and Lessons Learned from the Red Bull Stratos Project***, will provide insights into the physiology, technical support, and medical support integration required to optimize health and safety for this extreme activity.

Get a Member Benefits Consultation!

In a 20-minute, one-on-one consultation, we can help you optimize and customize member benefits with AsMA. The Corporate & Sustaining Membership Committee will be available to talk with you at the Corporate Forum Breakfast. Arrange for your consultation at the Breakfast, by sending an email to Yvette DeBois at undersearave@surfbest.net before 5/14/13.

Meet the 2013—2014 Officers

President: Leroy Gross, M.D., M.P.H., F.AsMA

Dr. (Col USAF ret.) Gross is CEO of InoMedic Health Applications, Inc. In this capacity he is responsible for providing medical and environmental health services to Federal, State and private organizations. InoMedic is a Service Disabled Veteran Owned Small Business. Dr. Gross brings a life-long commitment to the art and practice of aviation and space medicine. His career spans several decades as a Missile Launch Control Officer, Air Force Combat Pilot, Aerospace Medicine specialist, Flight Surgeon, designated USAF Pilot/Physician and Physician Executive.

President-elect: Debrah Lickteig

Deborah Lickteig is Vice President of Operations at Eagle Applied Sciences. In this capacity, she performs in a variety of areas including capture and technical writing on proposals, negotiating and attending all marketing and exhibit shows to maintain a public presence and assist in all business development efforts. Deborah's career experience includes program and new business start-ups, designing and tracking marketing strategies to assist in the creation and growth of new concepts, along with proven, professional business development regimens.

Secretary / Treasurer: Sean Daigre

Sean A. Daigre, Sr. is the Director of Claims Administration at Harvey W. Watt & Company in Atlanta, Georgia. Since 2003, Mr. Daigre supervises the claims staff and provides disability case management exclusively to commercial airline pilots through their employers or union/association. He earned a Bachelor of Liberal Arts in Print Journalism from Southern University and A&M College, Baton Rouge in 1988, where he graduated Magna Cum Laude and Grand Marshal of the College of Arts and Humanities.

Historian: Bill Knight

William F. Knight currently is Director of Federal Markets at Verathon Medical Corporation, headquartered in Bothell, Washington (www.verathon.com). Mr. Knight's healthcare career spans more than four decades of involvement with mission critical research and development combined with multiple senior level management responsibilities in a wide variety of healthcare industry applications including product development, marketing, sales and global OEM business development. He currently sits on the Editorial Board of Reilly Communications - Imaging Technology News & Cardiology / Critical Care Technology and is an Honorary Fellow of American College of Cardiology.



CSA Annual Business Luncheon

The Corporate and Sustaining Affiliate will host its fourth annual luncheon in the Sheraton Chicago Hotel & Towers, Michigan Rooms A & B on Monday May 13, 2013 at noon. The luncheon will feature guest speaker will be Edward F.X. Hughes, MD MPH and his topic will be "Affordable Healthcare: New Paradigms for Managing Our Health Systems". Also at the business luncheon, the newly elected CSA officers will be introduced. Note: A ticket purchase is required to attend the luncheon.



Edward F.X. Hughes, MD MPH

Dr. Hughes serves as a Professor of Preventive Medicine at the Feinberg School of Medicine and within the Kellogg School of Management at Northwestern University. He founded and directed for seventeen years their University Center for Health Sciences & Policy Research, as well as founded their joint MD/MBA program. He has served on the National Bureau of Economic Research and contributes on the editorial boards of the Journal of Clinical Outcomes Management, the Journal of Health & Productivity Management, and the Journal of Managed Care Interface. He is a graduate of the Harvard University School of Medicine and Columbia University's School of Public Health.

CSA Luncheon Agenda May 13, 2013

Welcome

Dick Leland, Environmental Tectonics Corp.

Lunch

Old Business

President's Report

Dick Leland

Treasurer Report

David Hale, Pilot Medical Solutions, Inc.

Historical Initiative

Mary O'Connor, CDC-NIOSH and Deborah Lickteig, Eagle Applied Sciences

Website Update

David Hale

Committee Reports

Membership Committee - Deb Lickteig

Long Range Planning Committee - Dr. Marian Sides, Education Enterprises Inc.

CSA Program Committee - Dr. Eilis Boudreau,
CSA Program Committee Chairman, CSMC

Guest Speaker

Edward F.X. Hughes, MD MPH
"Affordable Healthcare: New Paradigms for
Managing Our Health Systems"

New Business

2012 - 2013 Officer Introduction

President: Dr. Leroy Gross CEO, InoMedic
Health Applications, Inc.

President-elect: Deborah Lickteig, Eagle
Applied Sciences

Secretary / Treasurer: Sean Daigre, Harvey W.
Watt & Company

Historian: Bill Knight, Verathon Medical
Corporation

Presentations

University of Texas Medical Branch (UTMB) and FAA COE Space Flight Research Program at ETC's NASTAR Center

CALL FOR VOLUNTEER SUBJECTS

UTMB is working with the Federal Aviation Administration (FAA) Center of Excellence for Commercial Space Transportation to investigate how persons with common chronic diseases will respond to the forces of acceleration that are experienced during a typical commercial spaceflight. This is a new frontier in medicine.

We are looking for persons with chronic disease with an interest in expanding the frontiers of human spaceflight. You must have a chronic disease or diseases that are well controlled with medication or other treatment. The disease categories we are studying in this project are:

1. high blood pressure
2. cardiovascular diseases such as coronary artery disease and arrhythmias
3. diabetes
4. respiratory diseases such as emphysema (COPD) and asthma
5. history of neck or spine disease, injury, or surgery

If selected, you will participate in a simulated sub-orbital spaceflight experience at the National Aerospace Training and Research (NASTAR) Center centrifuge in Southampton, Pennsylvania while having your vital signs monitored for changes with the changing forces due to acceleration. Preliminary studies have shown a predictable and stable response to these forces. However, more data is needed so that the medical community can create guidelines to prepare future commercial spaceflight participants for their journey.

Before being selected for this opportunity we will need your complete medical history, including the current state of your disease(s) and the methods of control and treatment. We will also require a medical screening exam. If selected, you will then travel to

Southampton, Pennsylvania to the NASTAR Center facilities for a two-day research study. On the days of your simulated spaceflight experience you will receive training in centrifuge operations and a brief physical exam. You will then enter and ride the centrifuge. An audiovisual experience is projected inside the gondola and as the centrifuge spins you will experience forces similar to an actual sub-orbital spaceflight. Basic medical data such as pulse rate, blood pressure, oxygen concentration and other vital signs will be collected before, during, and after the simulation. We will also want you to tell us what you are feeling. During your simulated experience you will be in voice and video contact with the control room and the medical staff. You or the medical personnel can terminate the centrifuge run at any point. The data collected will be used to help create a profile of responses to acceleration with each disease state.

If you are selected for this study, we will provide the simulated spaceflight experience in the NASTAR Center centrifuge for free (a \$3000 value). You must provide your own transportation to, and lodging in the Philadelphia area. We are unable to provide additional compensation other than the simulated spaceflight experience and your satisfaction knowing you are a pioneer opening access to space for a larger group of people than ever before.

This study will be conducted during the first half of 2013.

Volunteers needed to expand the frontiers of human knowledge.

TO SIGN UP: www.utmbamc.com/research.cfm



CSA Member Companies

May 2013



Aerospace Medical, PLC	Good-Lite Company
Aerospace Medicine Residency Program, UTMB	Harvey W. Watt & Company
Air Canada	HeartSine Technologies, Inc.
Aircraft Owners & Pilots Association	Inomedic Health Applications, Inc.
Air Line Pilots Association	Instituto Nacional de Aviação Civil
Allianz Global Assistance	International Federation of Air Line Pilots Associations
American Airlines, Inc.	Lifepoint, Inc.
Aqua Lung America, Inc.	Lockheed Martin
Armed Forces Benefit Association	Martin-Baker Aircraft Company Limited
Aviation Medicine Advisory Service	Mayo Clinic
Baxter Healthcare Corporation	MedAire, Inc.
Best Medical Care Abroad, LLC	MedCare Professional GmbH
Cam Lock Limited	NeuroKinetics Health Services (B.C.), Inc.
Centers for Disease Control and Prevention/ National Institute for Occupational Safety and Health	NOMADiQ Defence Solutions
Cobham Life Support	Oregon Aero, Inc.
David Clark Company, Inc.	Piedmont Physicians
Eagle Applied Sciences, LLC	Pilot Medical Solutions
Education Enterprises, Inc.	Psoria-Shield, Inc.
EnviroNics, Inc.	QinetiQ Ltd.
Environmental Tectonics Corporation	Shorland, Inc.
Genevolve Vision Diagnostics, Inc.	South African Airways
Gentex Corporation	Spectrum Aeromed
Georgia Tech Research Institute	United Airlines
GO ₂ Altitude	Universities Space Research Association (USRA)
	Verathon Medical Corporation
	Wyle