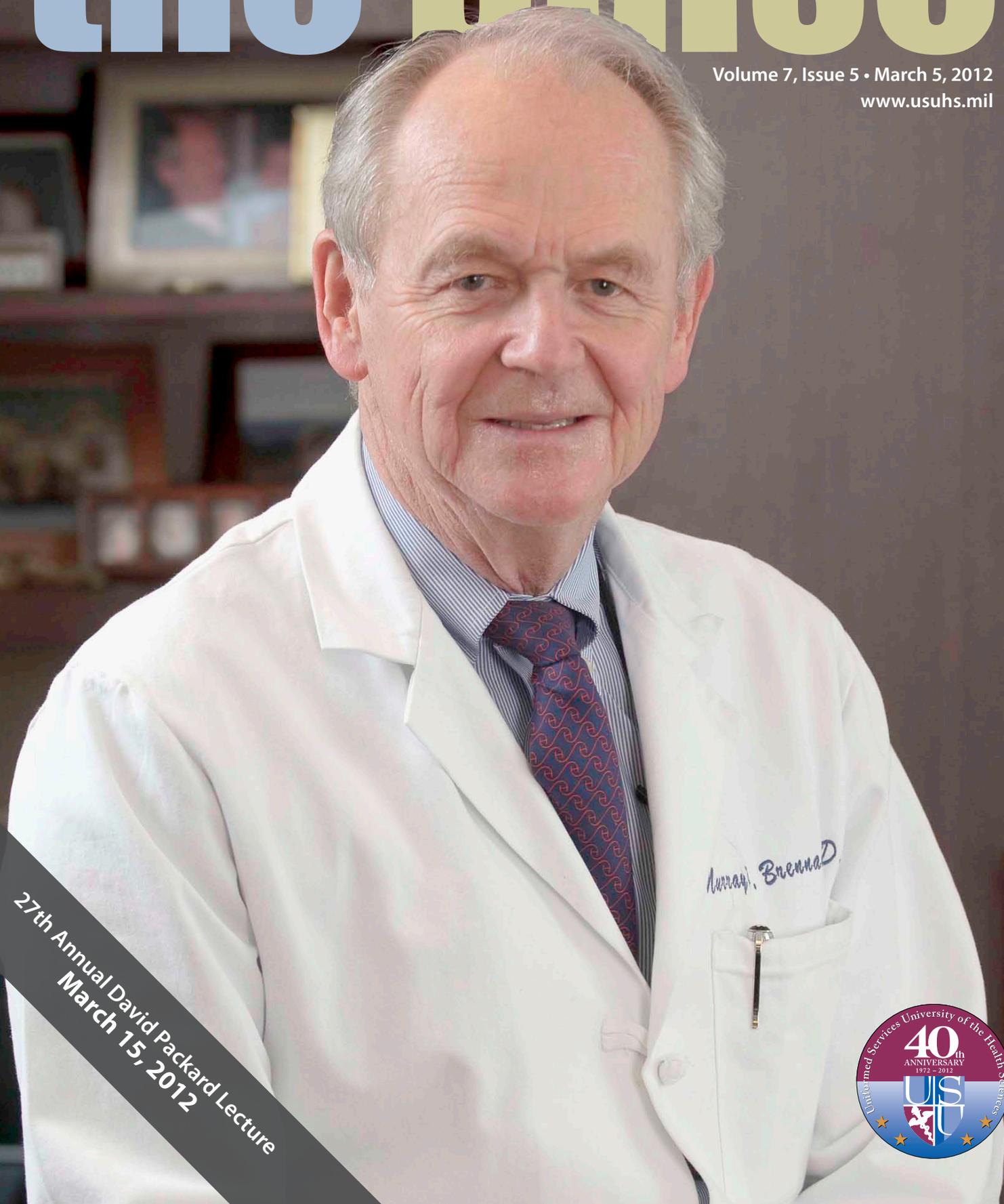


The Official USU Newsletter

the nurse

Volume 7, Issue 5 • March 5, 2012

www.usuhs.mil



Murray Brennan MD

27th Annual David Packard Lecture
March 15, 2012



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Production
Editorial content is edited, prepared and provided by the USU Office of External Affairs unless otherwise indicated. The Pulse staff may include or exclude articles based upon news value, impact on the university and space availability.

Submissions
The Pulse will be published bi-weekly on Mondays. The deadline for submissions is at 4 p.m. Tuesday prior to the publication date. Submissions can be sent to swillis@usuhs.mil or by calling 301-295-3578.



Courtesy Photo

On the cover
Murray F. Brennan, M.D., F.A.C.S., one of the nation's premier surgical oncologists, will deliver this year's David Packard Lecture on Thursday, March 15, 2012. (See page 6)

Search Committee Convenes for USU Research VP

By Sharon Willis

The search for a new USU Vice President for Research (VPR) has begun.

School of Medicine Dean Larry W. Laughlin, M.D., Ph.D., who has been appointed as chair of the VPR search committee by President Charles L. Rice, M.D., convened the first meeting of the group on February 24.

Dr. Rice opened the meeting by giving the committee its official charge, and also emphasized the importance of filling this critical University position. He noted that, according to the National Science Foundation, in the five-year period from 2004-2009, USU attained the distinction of being the number one university in the entire United States for increasing its federally-financed research and development expenditures (breaking into the top 100 list).

Dr. Rice described the perfect candidates as those with very credible scientific and scholarly backgrounds, who are effective teachers and mentors, and who possess seasoned administrative and leadership skills, with a thorough understanding of government and military research processes. In addition, he asked for significant diversity in the candidate pool.

The distinguished members of the Search Committee include Dr. Laughlin, Robert Ursano, M.D., Chair, Department of Psychiatry; Jeffrey Harmon, Ph.D., Chair, Department of Pharmacology; D. Scott Merrell, Ph.D., Professor, Department of Microbiology and Immunology; Daniel Perl, M.D., Professor, Department of Pathology

(Neuropathology); Marguerite Littleton-Kearney, Ph.D., Associate Dean for Research, GSN; Army Col. (Dr.) David Moss, Director, Tri-Service Center for Oral Health Studies, Department of Preventive Medicine and Biometrics; Toya Randolph, Ph.D., Director, Office of Sponsored Programs; Navy Capt. (Dr.) John Gilstad, Director, Department of Scientific Research, AFRRI; Army Col. (Dr.) Craig Shriver, Walter Reed National Military Medical Center (WRNMMC); Army Col. J. Frazier Glenn, Ph.D., Deputy for Research and Development, U.S. Army Medical Research and Materiel Command (MRMC); H. Clifford Lane, M.D., Deputy Director for Clinical Research and Special Projects, National Institute of Allergy and Infectious Diseases, NIH; and Ms. Elizabeth Folk, Vice President, Office of Sponsored Programs, Henry M. Jackson Foundation for the Advancement of Military Medicine.

"I am delighted that this distinguished group has agreed to devote the time needed to identify candidates for this very important position," said Rice. "And I am grateful that very busy people from organizations outside the university – the NIH, MRMC, Walter Reed National Military Medical Center, and the Henry M. Jackson Foundation – are willing to commit their time and energy in assisting the university. I am confident that Dean Laughlin's committee will find outstanding candidates."

USU Research Days 2012
May 14-15
Save The Date
Visit www.hjf.org to submit abstracts by March 23 and register for events.

Open Wide: A Look Inside USU's Newest College

By Christine Creenan-Jones



Courtesy Photo

Army Colonel Robert Manga



Courtesy Photo

Air Force Colonel Thomas Schneid



Courtesy Photo

Navy Captain Glenn Munro

Military dentistry has many rewards, but nothing beats a warrior's smile, say all three deans of the USU's Postgraduate Dental College. They've seen thousands over the years, fixed every type of flaw, healed many painful injuries – and still, they want more.

"My job is wonderful, because I help Soldiers feel better," said Army Colonel (Dr.) Robert Manga, dean of USU's Army Postgraduate Dental School. "Restoring a person's smile is a priceless feeling. I can't imagine doing anything else."

Manga's counterparts share his passion for military dentistry. Navy Captain (Dr.) Glenn Munro, dean of USU's Naval Postgraduate Dental School, and Air Force Colonel (Dr.) Thomas Schneid, dean of USU's Air Force Postgraduate Dental School, have already spent decades treating servicemembers around the world.

At the helms of their schools now, the deans are teaching others to do the same.

For Munro and Manga, both comprehensive dentists, this means demonstrating the fine points of a military-unique specialty with many far-reaching benefits for the Department of Defense.

"Comprehensive dentists have advanced training that expands their

scope of general practice," said Munro. "Our versatility is really important, especially in operational settings, because the military can't afford to lose anyone on the frontlines."

Comprehensive dentistry is a program option at all three schools. Students can also earn master's degrees while specializing in periodontics, endodontics, prosthodontics, orthodontics, orofacial pain and oral and maxillofacial pathology, depending on the school they attend.

"Our residencies are world class," said Schneid. "They have strong didactic and clinical components as well as robust research programs."

Like their deans, USU dental students are active duty, so military readiness is incorporated into each curriculum as well. These skills are taught by seasoned officers with unique military experience.

For Schneid, a maxillofacial prosthodontist, this includes taking important lessons from his patients – servicemembers with serious, often times, life-threatening injuries – and sharing them with his students.

"I was initially drawn to this work because I enjoyed the technical aspects of medicine. Making something functional and esthetic was very rewarding for me," he said.

"While those feelings remain, the longer I practice, the more I enjoy helping my patients. This feeling became even stronger once I entered the field of maxillofacial prosthetics. Treating wounded warriors, cancer patients, people with congenital defects and trauma victims is the most satisfying part of my military career."

Caring for American troops is the reason all three deans have stayed in the military for so long, a calling that continues to inspire them today.

"It's hard to describe what serving in the Army has meant to me," said Manga. "Soldiers make incredible sacrifices to serve the greater good. Taking care of them is truly an honor."

Although distance separates Manga, Munro and Schneid, who teach the art of military dentistry at satellite campuses in Hawaii, Texas, North Carolina and Maryland, they're moving USU's boundaries together.

"The deans bring our collective service wisdom together under one USU roof," said Munro, "which is good for the university, because now USU truly cares for the 'whole' person, and the dental corps, because we have more opportunities to harness the strengths of sister services for better total force wellness."

Former USU President Laid to Rest

By Sharon Willis
All photos by Thomas C. Balfour

Surrounded by family, friends, and former colleagues, retired Vice Adm. (Dr.) James A. Zimble, USU's fourth President and former Navy Surgeon General, was laid to rest at Arlington National Cemetery on Feb. 16, 2012. Dr. Zimble was afforded full military honors, which included cannon and rifle salutes, the Navy band and Naval Ceremonial Guard Unit, Army caisson and honor guard, and an FA-18 flyover in the "missing man" formation. Following the funeral service, a USU memorial ceremony was held in Sanford Auditorium.



USU is switching its email and calendar systems from GroupWise to Google Apps. With Google Apps, USU employees will gain the benefits of 100% web-based messaging and collaboration tools, as well as lower infrastructure and support costs.

The Google Apps "Go-Live" date is March 19, 2012. The email changeover will occur in three phases to coordinate a successful migration.

PHASE I – Preparation and Training

On-site sessions and webinars will be offered for Google Apps. USU employees only need to sign up for one session to learn about the basic functionality of Google Apps. On-site training will occur March 12, 13, 19, 20 and 21.

Register for Onsite Google Apps Training at http://www.lrc.usuhs.mil/content/DODNotice.php?return=training_reg, or if you'd rather attend a webinar, visit one of the links below to register for a session of your choice.

Webinars are scheduled for March 13, 14 and 15. All sessions are 90 minutes long.

Tue, Mar 13, 2012 9:30 AM - 11:00 AM EDT

<https://www3.gotomeeting.com/register/533769830>

Tue, Mar 13, 2012 1:00 PM - 2:30 PM EDT

<https://www3.gotomeeting.com/register/411233182>

Wed, Mar 14, 2012 9:30 AM - 11:00 AM EDT

<https://www3.gotomeeting.com/register/952746486>

Wed, Mar 14, 2012 1:00 PM - 2:30 PM EDT

<https://www3.gotomeeting.com/register/481170814>

Thu, Mar 15, 2012 9:30 AM - 11:00 AM EDT

<https://www3.gotomeeting.com/register/490207462>

Thu, Mar 15, 2012 1:00 PM - 2:30 PM EDT

<https://www3.gotomeeting.com/register/894336798>

Once registered, you will receive an email confirmation with information needed to join the Webinar.

PHASE II – Migration Schedule

New email accounts for the USU community will be available March 19 with full access via the web to all Google Apps.Gov features such as email, calendar, documents, sites, video, and chat. When you first log into your new Google Apps.Gov account, the email and calendar items that were on the GroupWise server will already be in your account.

Instructions on how to configure Outlook Google Apps Sync for Microsoft Outlook (GASMO), which keeps contacts, email and calendar items synchronized between Outlook and Google, are available at <http://goo.gl/vz8FJ>. Each USU department will have a designated block of time starting on March 19 to receive dedicated support configuring Outlook and GASMO by the Google Deployment team. The schedule will be published on the USU Google Apps Learning website no later than March 3. (NOTE: Please do not attempt to install GASMO or configure Outlook prior to March 19 unless you are a part of the Early Adopters Group.)

PHASE III – Migration of GroupWise Archives to Outlook .PSTs

GroupWise archives must be transitioned to Outlook .PST files. However, moving your archives from GroupWise does not have to be completed prior to the Google Apps migration. More information and a schedule for each department will be provided in the near future. GroupWise archives will still be accessible via GroupWise on March 19, if needed.

Next Steps

Visit the USU Google Apps Online Learning Center which has a variety of documents, guides and Frequently Asked Questions (FAQs) to assist you with this transition. In addition, the Google Deployment team is offering four general Question and Answer sessions. No sign-up required.

Lunch Q & A Sessions

The Google Apps deployment team will be available to answer questions during the dates/times listed below:

March 6 and 8, 11:30 am–12:30 p.m., Bldg. E, Room G-263

March 14, 11:30 am–12:30 p.m., Bldg. E, Room G-256

March 15, 11:30 am – 12:30 p.m., Bldg. E, Room G-252

USU Alumni Save Fellow Plane Passenger

By Mass Communication Specialist 3rd Class Jessica Tounzen, Naval Medical Center San Diego Public Affairs



Lt. (Dr.) Gregory Capra



Lt. (Dr.) Art Ambrosio

Two USU alumni from Naval Medical Center San Diego (NMCSD) who boarded a plane to San Antonio, Texas, Feb. 8, for a training course, were instrumental in saving the life of a fellow passenger.

Third-year NMCSD Otolaryngology residents Lt. (Dr.) Gregory Capra (SoM '06) and Lt. (Dr.) Art Ambrosio (SoM '09), were slated to attend a cadaver dissection course located at Ft. Sam Houston's Brooke Army Medical Center. They had operated on cadavers before, but this time they would be training in a joint environment, alongside Air Force and Army personnel. A couple hours into their non-stop flight, however, things changed.

"The flight crew started asking if there were any medical personnel on the plane, especially physicians," said Ambrosio. "At first I thought it was just heartburn, someone who could walk and talk, maybe someone was choking, like you see in movies and television."

He and Capra immediately identified themselves as physicians and made their way toward the front of the plane, where flight crew and passengers were carrying a male passenger to the aisle. Ambrosio and Capra started taking an inventory of the plane's first-aid kits.

They found an Ambu bag (self-inflating bag valve mask resuscitator), advanced cardiac life support medication, and an automated external defibrillator (AED). Meanwhile, an anesthesiologist on the flight had found the man's pulse and began performing bag-mask ventilation using the Ambu bag. Capra and Ambrosio continued to reassess the patient's status, as they had been taught during their time at NMCSD. A check of the patient's carotid artery yielded no pulse, and they proceeded onto the next step, cardiopulmonary resuscitation (CPR).

After completing approximately two cycles of CPR, the team placed the AED on the patient to check for a shockable heart rhythm, but that was unsuccessful: the AED read the patient's heart rhythm as one that was non-shockable, so Capra and Ambrosio had to resume chest compressions.

The next step would normally be an injection of epinephrine, which is commonly used to treat cardiac arrest and other situations of reduced cardiac output. But the patient's veins were proving inaccessible after a nurse on the plane attempted to place an intravenous (IV) line without any success.

A quick interview with the patient's wife revealed he had a history of airway obstruction. To combat this, Capra performed a jaw thrust, elevating the jaw and opening up the patient's airway. Ambrosio inserted an oropharyngeal airway, a plastic hook-shaped device that helps improve ventilation.

At last, the patient began to respond. "He started squeezing my hand really hard and tried to move it when I was performing the jaw thrust," said Capra. "He wasn't very strong, but there was intent—it was a purposeful movement, and that was a good sign that he was becoming more responsive."

Meanwhile, in the cockpit, the pilot began routing the plane for an emergency landing in El Paso, Texas.

"We were still unbelted, kind of sitting in the aisle, and we were preparing for a rough landing," said Ambrosio, laughing. "When the flight crew announced that we'd landed, we were both like, 'That's it?'. It was very smooth. We never once felt like our safety was in jeopardy."

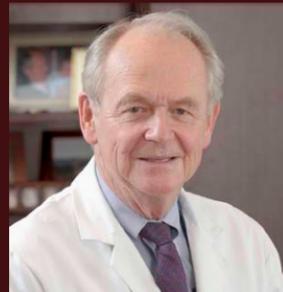
Soon, paramedics came on board and took custody of the patient.

Capra and Ambrosio received a quick debriefing from the airline. They were asked their names, where they were from, where they worked, what equipment they used and whether it was useful. Both doctors agreed the available first-aid supplies were more high-tech than they had expected to see on an airplane, miles and miles from a medical facility.

The third-year residents returned to their seats amid clapping and cheering. Once they were able to sit down and take a breath, reality began to sink in.

"We were in shock that it had actually happened, and that we were in the middle of it all," said Capra. "We were like, 'Did that just happen to us?' It was very surreal."

Continued to page 8



27th Annual David Packard Lecture

Lessons Learned as a Surgical Oncologist

Speaker: Murray F. Brennan, M.D., F.A.C.S.

March 15, 2012, 3:00-4:00 p.m.

Sanford Auditorium

NCDMPH Releases the Report on the Domestic Natural Disaster Health Workforce

By David Berry, Communications Associate, NCDMPH

The National Center for Disaster Medicine and Public Health (NCDMPH) at USU has released the "Report on the Domestic Natural Disaster Health Workforce," a landscape analysis describing selected aspects of the health professions workforce who would respond to a catastrophic domestic natural disaster.

The report analyzes the core Federal departments supporting Emergency Support Function #8 (ESF#8) - Public Health and Medical Services - of the National Response Framework by examining three key occupational sub-groups (emergency and critical care physicians, emergency and critical care nurses, and paramedics) at the national, state and local levels.

Additional examination of these three key sub-groups was accomplished by a case study focusing on a theoretical major earthquake scenario in the southern California region. The case study was used to describe how the anticipated local, State, and Federal ESF#8 workforce would respond to the disaster.

This analysis, combined with interviews of federal partners, a literature review, and a national stakeholder conference, allowed the NCDMPH to issue 14 recommendations in the report covering the following issues: double counting of responders, volunteer failure to respond, an aging medical workforce, human capital development, personnel asset visibility, readiness and the deployment of subunits.

Briefs

Using Computer Resources

Security incidents continue to be a drain to limited USU Information Assurance manpower. The following highlight current DoD policy and best practices:

Personnel must not install self-coded or non-licensed software on network resources; add, remove, configure, or attempt to modify USU computer operating systems or programs; move audio/visual or network cables, computers or attempt to connect personal computers to the network including MDL and lecture hall spaces; connect personal devices except for those previously authorized by NOC; download pornographic material and store or display offensive material, such as racist literature, sexually harassing or obscene language or material; store or process classified information on any USU system.

Personnel must not permit unauthorized individuals access to a

government-owned or government-operated system or program; access online gambling, games and social engineering sites, dates or times.

Help Desk Closure

The Customer Service Division (CSD) Help Desk is closed for staff meetings and training on Thursdays from 2:00 PM until 3:00 PM. Online services are still available during this time. Utilize the USU Service Desk (<https://usuca/CAisd/pdmweb.exe>) to enter your request and it will be serviced accordingly.

Exercise/Fitness Areas

Physical Fitness training should be conducted in designated areas.

The only authorized space for PT within the university is room G060.

The campus Student Community Lounge area is also authorized, but only during specified PFT dates or times.

Snakes Alive!

By Christine Creenan-Jones

USU students get an up close look at a unique aspect of health care each year during the Snakes Alive! program. Anacondas, rattlesnakes, cobras and many other dangerous serpents are invited to the university, along with their handler, snake expert, Bruce Shwedick, by the Department of Preventive Medicine and Biometrics.

Shwedick's dynamic presentation is important, because like the military, snakes can be found in almost every region of the world. Therefore, identifying and knowing how to treat snake bites is a necessary, sometimes life-saving skill for medical professionals to have.



Photo by Thomas C. Balfour

USU Alumni Save Fellow Plane Passenger

Continued from page 7

Both doctors agreed the situation might have gone quite differently had they not received the proper training and experience during their residency at NMCSO's Otolaryngology clinic.

"We deal with a lot of airway issues in the clinic," said Ambrosio. "Identifying the carotid artery, checking for a pulse and establishing airways are all things we do every day and things we're pretty comfortable with. At the hospital, we've also gotten accustomed to different types of patients and various surgeries as well: kids' tonsils, thyroid cancer, airway reconstructions, sinus surgeries, and so on. And there are different things they teach us here like poise under pressure, no wasted movements, knowing what you mean and meaning what you say...all of that helped us respond to this situation quickly and efficiently."



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