

THE INNOVATOR

Optimizing Combat Casualty Care



Vol. 6 No. 9

September 2017

USAISR staff attend annual medical research symposium



Lauren Cornell receives the top honor in the Young Investigator competition at the Military Health System Research Symposium Aug. 30. The award was presented by Dr. Terry M. Rauch, Acting Deputy Assistant Secretary of Defense (Health Affairs) Health Readiness Policy and Oversight.

By Dr. Steven Galvan
USAISR Public Affairs Officer

More than 130 scientists, researchers, clinicians and staff from the U.S. Army Institute of Surgical Research at Fort Sam Houston, Texas, a subordinate unit of the U.S. Army Medical Research and Materiel Command, were among 2,700-plus attendees at the 2017 Military Health System Research

Symposium in Kissimmee, Florida, Aug. 27-30.

The four-day conference is the Department of Defense's premier scientific meeting which provides a venue for presenting new scientific knowledge resulting from military-unique research and development that focuses specifically on the unique medical needs of the Warfighter. The scientific

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CDR's Corner



Col. (Dr.) Shawn C. Nessen
Commander, USAISR

"Optimizing Combat Casualty Care"

Team ISR,

I just returned from the Military Health System Research Symposium and our performance there was exceptional! This symposium is the Department of Defense's premier research event and I can confidently say the ISR continues to be the premier platform for combat casualty care research in the Nation. Our researchers made significant contributions across the research spectrum making 34 podium presentations, moderating 10 conference sessions and making 118 poster presentations. The ISR posters at MHSRS represented 9.3 percent of the 1,274 posters accepted for MHSRS. I am very proud of everyone who presented at MHSRS and I would especially like to recognize those who received awards for their work.

Congratulations to Lauren Cornell for taking first place in the Young Investigator competition with her presentation titled "Utility of Magnetic Nanoparticles for Targeted Endothelial Transplantation in an Ex-Vivo Model."

Also, congratulations to Drs. Belinda Gomez, Tony Chao, Mike Dubick,



Dr. Belinda Gomez is presented an award for third place in the MHSRS Poster Presentation competition Aug. 30 by Dr. Terry M. Rauch, Acting Deputy Assistant Secretary of Defense (Health Affairs) Health Readiness Policy and Oversight.

David Burmeister, Pfc. Joshua Little and Mr. Matthew McIntyre for taking third place in the poster presentations competition in the Burn and Intensive Care Category.

Finally, there were two Poster Presentation receiving Honorable Mention status. Congratulations to Drs. Ben Atebi, Arezoo Mohammadipoor, Andriy Batchinsky, Lee Cancio, and Mr. Pete Walker for the honor in the Critical Care and Organ Support, and Dr. Vic Convertino and his colleagues from ZOLL; University of Texas Southwestern; Mercy, Denver, Colorado and the University of Colorado in the category: Defense Health Program 6.7-Supported Enhancement of Fielded Medical Capabilities.

I would also like to our had enlisted Soldiers presenting posters: Sgt. Amber Woodson and Spc. Melody Sandoval. It makes me so proud to see the development of our young soldiers and I would like to thank those of you who take the time to mentor and teach our future research leaders.

It is very gratifying to me to see our colleagues recognized for their work, but I must say that overall the

quality and scope of the research being conducted at the ISR is unprecedented and highly reflective of a great team. I simply cannot adequately express to you how proud I am to lead such extraordinary people. Everyone here plays a vital role in our success, and I can't wait to see what you will do next!

THE INNOVATOR

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Col. (Dr.) Shawn Nessen
Commander

Sgt. Maj. William "Dave" Poist Jr.
Sergeant Major

Steven Galvan, D.B.A.
Public Affairs Officer

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Deadline for submission is five days before the first of the month. We reserve the right to edit submissions selected for publication.

SGM Says



Sgt. Maj. William "Dave" Poist Jr.
USAISR Sergeant Major

I hope all have enjoyed their summer. Soon we will begin to transition into fall; Kids are now back at school, fall youth sports opens, and we pull out our college and pro football memorabilia. During this past summer, have had multiple accomplishments and achievements. This was clearly apparent the MHSRS conference.

The ISR civilians and Soldiers exemplified true professionalism and actually blew the other commands out of the water. Our staff contributed significantly with 34 podium presentations, moderating or co-moderating 10 conference sessions and presenting 118 posters of the 1,274 posters accepted for MHSRS. There are many 'Atta Boys' to be had, but the two the really stuck out in my were our two Junior Soldiers. Sgt. Amber Woodson and Spc. Melody Sandoval. Their level of expertise and their briefing dynamics were stellar. Also, congratulations to Lauren Cornell on winning the Young Investigator this year. Our staff also won third and two honorable mentions in the poster competition. Job well done by all our staff that presented at the conference and also all the supporting staff that assisted and prepared those that presented.

We have also been in near miss distance of hurricane Harvey. Our Soldiers and civilians have spent pre-

cious hours gathering and delivering supplies to the Houston Area. Keep those families in your thoughts and prayers.

I also want to send a shout out to

the ISR Flag Football team. Currently they are 3-0 and have demolished all opponent's they have faced thus far. I encourage all ISR members to come out and root them on.



Top: Jennifer Trevino presents her poster to Sgt. Maj. William "Dave" Poist and Col. (Dr.) Shawn Nessen during the second session of the Poster Presentations Aug. 29 at the Military Health System Research Symposium.

Bottom: Sgt. Maj. William "Dave" Poist presents Jennifer Trevino with a command coin for her outstanding presentation during the Poster Presentation session Aug. 29.

Company Notes



Company Commander
Capt. Cleveland S. Bryant Jr.

One Team.
One Purpose!
Conserving the
Fighting Strength!

For the month of August, the Company recognized and witnessed a graduation ceremony of the 192nd Forward Surgical Team pre-deployment training conducted by the USAISR Burn Center.

Prior to the end of the month, US-AISR administrative staff and researchers attended the Military Health System Research Symposium (MHSRS) in Kissimmee, Florida in which Spc. Melody Sandoval and Sgt. Amber Woodson conducted presentations of their research projects conducted at the USAISR.

Soldier of the month: Pfc. Glenn Cordua

Congratulations on the re-enlistment of the following personnel: Spc. Andres Penagos.

Congratulations to the following personnel promotions to Specialist: Uzziel Pineda.

Awards ceremony recipients for this month: Sgt. Benjamin Joiner – Army Achievement Medal.

Upcoming events: The Company will be initiating plans for the annual flu vaccination campaign for the Department of Defense.

Remain vigilant, be creative, be productive and stay focused on the mission you support here at the ISR. Once again, remember that your work and ideas from this organization are critical to the advancement of medicine and science globally. You remain the tip of the spear of medical innovation and progress. Continue to be the torch of this noble cause.

Thank you all for everything you all do every day. Continually, it is truly an honor serving as your Company Commander and First Sergeant! God Bless you all.



Soldier of the Month
Pfc. Glenn Cordua



Dr. Kenneth Brandenburg places the ACU patrol cap with the new rank insignia on Spc. Uzziel Pineda Aug. 11 during his promotion ceremony as Capt. Cleveland Bryant looks on.



Pie in the Face

The USAISR Events Committee held a Pie in the Face fundraiser in August for the upcoming Fall Festival in October.

Top right: Participants willing to take a pie in the face. Bottom row: Sgt. 1st Class Dustyn Rose, Staff Sgt. Olarewaju Magreola, Sgt. 1st Class Eric Albrecht, Staff Sgt. Elizabeth Watson, and Sgt. Amber Woodson. Top row: Sgt. Zeyar Htut, Staff Sgt. Daniel Zimmerman, Spc. Sergio Rubio, 1st Sgt. Kenneth Carey, and Capt. Cleveland Bryant.

Center right: 1st Sgt. Kenneth Carey and Spc. Sergio Rubio.

Bottom right: Capt. Cleveland Bryant.

Bottom left: Sgt. Zeyar Htut and Pfc. Stardaous Gibbons.



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meeting sponsored by the Assistant Secretary of Defense for Health Affairs brings together military, academia and industry leaders and researchers to share and discuss research topics related to healthcare initiatives under the topics of combat casualty care, military operational medicine, clinical and rehabilitative medicine and military infectious diseases to maximize research synergy for the DOD.

USAISR staff members presented 118 posters, 34 plenary presentations and were moderators and co-moderators of 10 sessions during the conference.

"I am extremely proud of our staff's work every day at the institute and the opportunity to showcase it at this symposium," said Col. (Dr.) Shawn Nessen,

USAISR Commander. "We had almost 10 percent of the posters presented and presented in just about every break out session. We did awesome and that's why we are well-known throughout the world and the Department of Defense as the Army's premiere combat casualty care institute and our staff proves it every day."

During the last day of the conference, USAISR staff members were among the attendees recognized for their outstanding achievements by Dr. Terry M. Rauch, Acting Deputy Assistant Secretary of Defense (Health Affairs) Health Readiness Policy and Oversight. Lauren Cornell was awarded the top honor in the Young Investigator competition.

"This award represents the hard work that we all put in and the com-

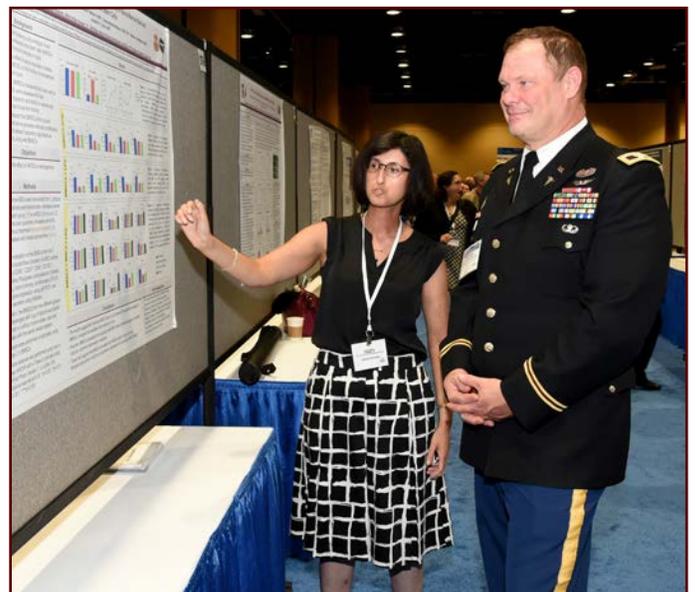
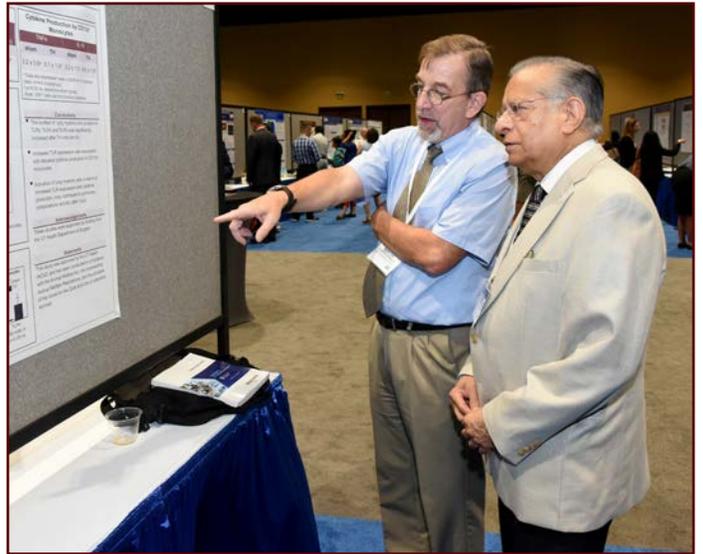
mitment of this institute to resolving issues that Soldiers face," said Cornell. "I am incredibly honored to have had the opportunity to highlight the work of the Ocular Trauma Task Area at such a significant event."

Three ISR task areas were also recognized for their posters and presented third place and two honorable mentions in the two-day poster session competition.

"I don't think there has been a symposium where members of our staff have not been recognized for their superior work," said Dr. Anthony Pusateri, USAISR director of research. "We are among the leaders in combat casualty research, and it's because of the exceptional staff and support that we have at our institute."



MHSRS



Safety Notes

By Stephanie L. Truss
Health, Safety and Environmental Specialist



September is National Food Safety Education Month. The Centers for Disease Control and Prevention promotes September as National Food Safety Education Month and offers plenty of resources and information related to foodborne illness and food safety.

1. Get Hands-on Experience

Follow the rule of thumb: always wash hands before, during and after handling food. No time to wash with soap and water? Keep your desk stocked with moist towelettes or hand sanitizer.

2. Be Proactive

A survey found the average office refrigerator is cleaned only once every six weeks – more than enough time for its contents to spoil. Don't wait for the office clean-up crew — toss your leftovers within three to five days.

3. Watch the Clock

If you've packed perishable food items such as meat and cheese sandwiches, leftovers, salads or dairy foods for lunch, don't let more than two hours pass from the time you make your lunch at home until you put it in the office refrigerator.

4. Limit Lunchtime Lingering

If you have lunchtime leftovers, refrigerate them promptly below 40 degrees as soon as you're finished eating — don't keep them at your desk all day, where they may develop harmful bacteria.

In the Spotlight

Pfc. Glenn Cordua

Job title: OR Technician

How long have you worked at the ISR? 10 months

What or who has been an inspiration to you in your work? My dad has been an inspiration to me in my work because of his dedication to working sunrise till sundown no matter what day of the week it is.

What is your favorite part of your work? My favorite part of work is getting to assist in the care of patients in an environment that most won't get the chance to experience.

What is your proudest achievement? Winning Soldier of the Month.

Short- and long-term goals: My short-term goal: max my PT test and long-term goal: Get accepted into West Point.

Hobbies: Rugby, lifting, and hiking

Favorite book: *Till We Have Faces* by C.S. Lewis

Favorite movie/TV show: "Ferris Bueller's Day Off" / "House of Cards"

Favorite quote: "A man must know his destiny. If he does not recognize it, then he is lost. By this I mean, once, twice, or at the very most, three times, fate will reach out and tap a man on the shoulder. If he has the imagination, he will turn around and fate will point out to him what fork in the road he should take, if he has the guts, he will take it." -General Patton



5. Review the Refrigerator

Not sure what the temperature is in your office refrigerator? Stick a thermometer in the refrigerator and check to make sure it's set below 40 degrees F. (Your co-workers will thank you!)

6. Microwave Manage

If leftovers are your "bag" when it comes to lunch, be sure to re-heat them to the proper temperature of 165 degrees Fahrenheit. Also, thaw frozen foods in the refrigerator or microwave, not on the countertop.

7. Check Your Sources

Nearly three out of five Americans who work in offices where food is left out to share indulge in these social snacks at least once a week.* If food is perishable, find out how long it's been sitting out before you dig in. If it's more than two hours, you may want to take a pass.

8. Follow through with Fast Food

Don't forget that the same food safety



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Health News

By Maria G. Dominguez, R.N.
COHN-S/CM
Occupational Health



Wrapping up summer and only in Texas, does a major series of events occur all in one week! From historical eclipse to a historical storm. Putting into use all that we learn and are!

The Army is about public health and safety, deployment, emergency preparedness and response, as well as workplace safety and health, industrial hygiene and occupational medicine. To start we have 2017 Army Medicine Campaign Plan. This plan supersedes Army Medicine 2020 Campaign Plan. It outlines the organizational objectives and is reviewed annually. Army Medicine's mission is to provide sustained health services and research in support of the Total Force to enable readiness and conserve the fighting strength while caring for our Soldiers for Life and Families. Army Medicine will operate on four lines of effort to achieve its desired end state.

At the Top of the list remains: "Readiness and Health (Decisive Operation): The Chief of Staff of the Army's number one priority is readiness!" As well as is "Take Care of Ourselves, our Soldiers for Life, DA Civilians, and Families (Sustaining Operation): Our Forces, Soldiers for Life, Service Colleagues, DA Civilians, and service member Families are our strength and we will continue to take care of them. We must treat each other with dignity and respect."

So integrating the resources and services, the plan is to keep readiness in our daily mission and sustaining operation. As well as readiness for what the "call" may bring.

Occupational Health and Safety provides you the "combo pack" Army and OSHA safety regs as well as Health promotion! Including the upcoming favorite Mandatory Seasonal Influenza and AALAC preparedness. Let's take a look at some basics:

Ergonomics: The mission of ergonomics is to reduce and prevent work-related musculoskeletal injuries.

Health Hazard Assessment: HHA involves identifying, assessing, and making recommendations to eliminate or control health hazards associated with weapons platforms, munitions, equipment, clothing, training devices, and other materiel systems. Is your Task Area Risk assessment complete?

Health Physics: Identifying and eliminating or controlling health hazards associated with life-cycle management of weapons, equipment and materiel. Do you perform CT? X-ray?

Hearing Readiness and Conservation: Hearing, hearing loss prevention, hearing protective devices, hearing checks, and reducing noise hazards. Enter the animal room? Other noise?

Industrial Hygiene: Worker protection is the focus. Military and civilian personnel have the right to a safe and healthful workplace. Respiratory Fit Testing. Are you current?

Laser and Optical Radiation: Potential hazards associated with the operation of high intensity optical sources such as laser target designators, infrared countermeasures, industrial optical sources, nonlethal weapons and other high technology optical sources. Medical Lasers?

Medical Safety aims to enhance the environment of care and quality assurance efforts; control worker's compensation costs; provide a safe and attractive environment; and promote compliance with safety and health regulations and guidelines. Animal Exposure Program? AAALAC Accreditation?

Occupational Health : Identification, assessment and countering

of occupational injury and illness. Medical Surveillance? Occupational Medical Examinations and Surveillance Manual. U.S. Department of Defense. Provides minimum standards for medical surveillance programs to help occupational health professionals and others recognize and evaluate health risks associated with specific workplace exposures. Describes the general requirements for medical surveillance, types of examinations, and record keeping. Medical Surveillance for OSHA-Regulated Exposures: Chapter 2. Describes OSHA related medical surveillance. Medical Surveillance Endorsed by the Department of Defense : Chapter 3. Includes additional medical surveillance protocols endorsed by the DoD, where OSHA does not provide guidance.

Surety medicine focuses on protecting the health of the personnel who deal with nuclear, biological or chemical materials or programs, and on compliance with medical requirements to help ensure the security of the materials. Formaldehyde and Ethylene oxide standards? Immunizations? BPP?

Vision Conservation and Readiness: This is the primary source for the Tri-Service Vision Conservation and Readiness Division. When was your last eye exam?

As we turn a new leaf, Seasonal Influenza clinics will be starting soon. Stay tuned for the ISR Flu clinic soon to be scheduled.

Check your fit testing , PPD, check you research and occ health compliance certificates. We'll have visitors next year. Your file may just be the one picked!



Around the ISR

Top right: Scott Dewey, left, presents Denay Cooper-Smith with a Certificate of Appreciation during her going-away ceremony Aug. 16.



Center right: Spc. Andres Penagos recites the Oath of Reenlistment Aug. 9 during his reenlistment ceremony administered by Capt. Cleveland Bryant.



Bottom left: The ISR Events Committee held a Chili Cook Off Aug. 18 to support the upcoming Fall Festival. Winners of the Cook Off: First Place--Kerfoot "Pete" Walker, center; Second Place--Christopher Wiseman, left; and Third Place--Jonathan Caldera.



Around the ISR cont.

Top: Sgt. AliceAnn Meyer, left, explains the capabilities and function of the Burn Flight Team to Rear Adm. Paul D. Pearigen, Commander, Navy Medicine West and Chief, U.S. Navy Medical Corps, while he was touring the Burn Center Aug. 22.

Bottom: Medical staff members from the 914th Aeromedical Evacuation Squadron and Brooke Army Medical Center pose with U.S. Circuit Judge, Michael Nelson, after a tour of the Burn Center Aug. 18. Judge Nelson was a former Burn Center patient in 1981.



SAFETY Continued from Page 8

tips apply to carry-out and fast food, which also can be susceptible to bacteria if not handled properly.

9. Attend a Food Safety Class

Food Handler Course Date at the ISR: Sept. 12

Time: 1300

Who: Anyone working with food. For Example Fundraisers, Ethnic/ Cultural Observances, Division/Department Holiday Parties and or Pot Lucks *Annual*

- Recommended one on duty for the event.
- Contact your area Safety monitor to schedule a class.

10. Although most healthy people will recover from a foodborne illness within a short period of time, some can develop chronic, severe, or even life-threatening health problems. In addition, some people are at a higher risk for developing foodborne illness, including pregnant women, young children, older adults, and people with weakened immune systems. To keep your family and coworkers safer from food poisoning, follow these four simple steps: clean, separate, cook, and chill.



USAISR enlisted soldiers among elite CCC researchers

By Dr. Steven Galvan
USAISR Public Affairs Officer

The Department of Defense's top researchers, scientists and clinicians gathered for the 25th annual Military Health System Research Symposium Aug. 26-30 in Kissimmee, Florida, to showcase the latest advancements in combat casualty care.

During the four-day meeting, two poster sessions were held where 1,247 posters were presented by the primary investigator or a team member to explain and summarize the research and generate discussion.

Two presenters stood out in a sea of military commissioned officers and civilian researchers—the only Army enlisted Soldiers to present posters at the conference—both from the U.S. Army Institute of Surgical Research at Fort Sam Houston, Texas, a subordinate unit of the U.S. Army Medical Research and Materiel Command.

Sgt. Amber Woodson and Spc. Melody Sandoval, both medical laboratory technicians at the USAISR, said they were honored to present the research their task areas are conducting.

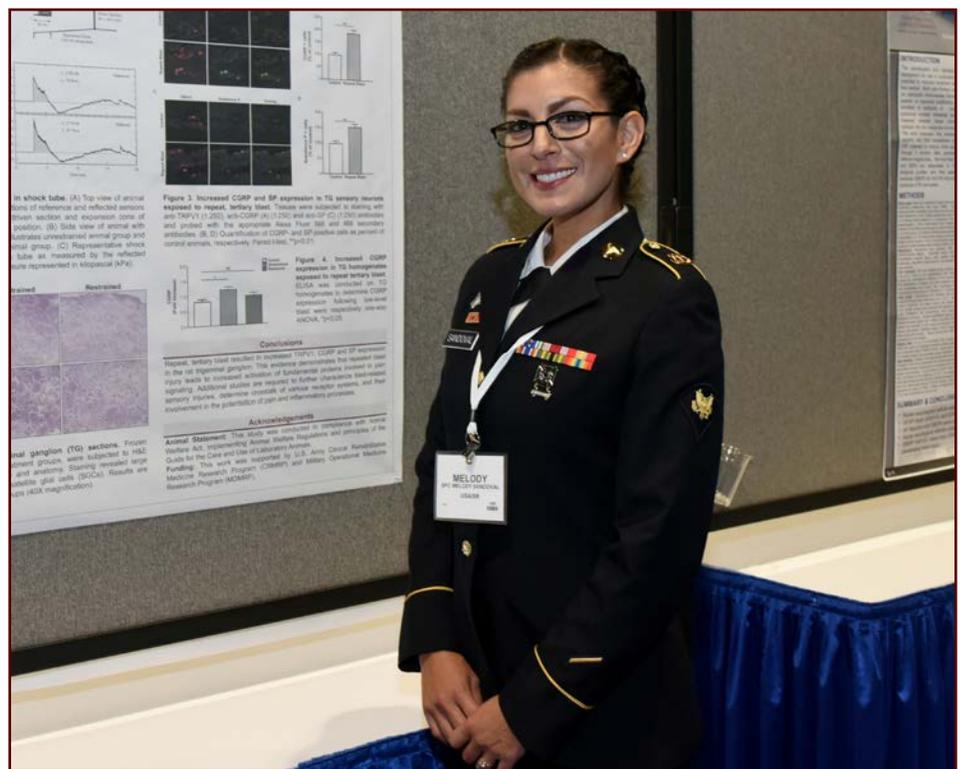
"It's good that the doctors in my task area have confidence in me to present," said Woodson, who works in the Damage Control Resuscitation, Multiple Organ Support Technology task area. "We have a great team, and we're conducting great research for our Wounded Warriors and I'm proud to be presenting it."

Sandoval, who will be promoted to sergeant in September, works in the Ocular Trauma task area and echoed Woodson's comment.

"This is beyond what I expected to be doing when I joined the Army," she said. "It's exhausting, rewarding and challenging, and I'm grateful to be working in a team that listens to my ideas and suggestions and incorporates



Sgt. Amber Woodson



Spc. Melody Sandoval

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them into the research.”

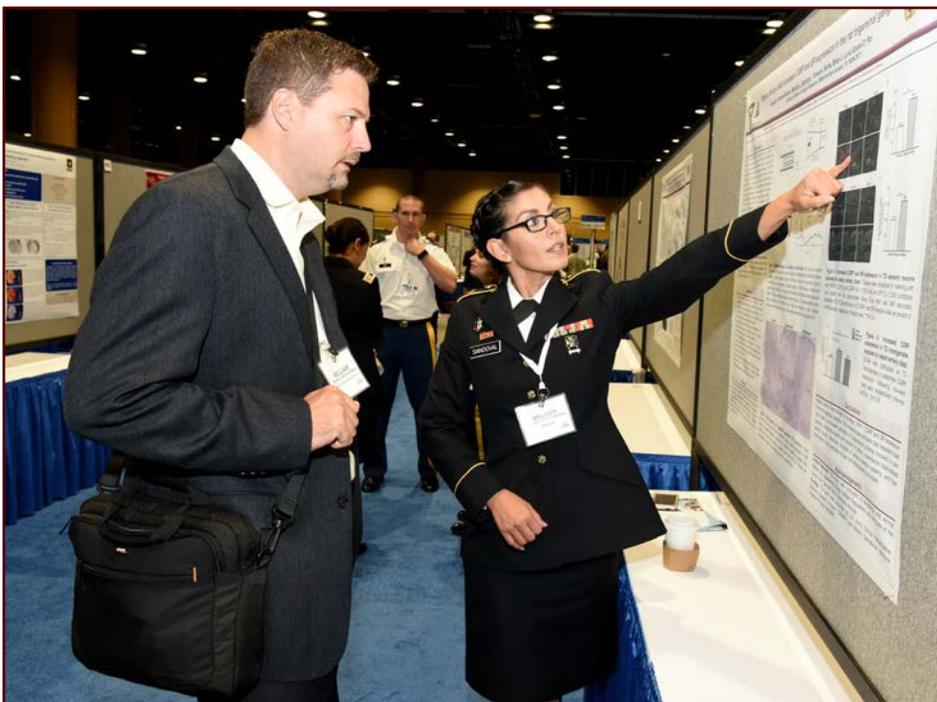
USAISR Sgt. Maj. William “Dave” Poist was pleased, but not surprised at his Soldiers’ poise at the symposium.

“It’s gratifying to see our enlisted Soldiers presenting at this level,” he said. “Our Soldiers are walking posters because they do this type of stuff every day. I’m amazed at knowledge and technical expertise. They make me and the entire institute very proud.”

“It makes me so proud to see the development of our young Soldiers,” said Col. (Dr.) Shawn Nessen, USAISR commander. “I would like to thank those who take the time to mentor and teach our future leaders.”



Sgt. Amber Woodson presents her poster Aug. 29 at the Military Health System Research Symposium.



Spc. Melody Sandoval presents her poster Aug. 28 at the Military Health System Research Symposium.



MHSRS





MHSRS

Back When...



Can you guess who this ISR staff member is? This photo was taken in 1996 when he was in pre-kindergarten in El Paso, Texas.

Submit your photo to PAO for publication in upcoming issues.

Last Month's Answer:



Maj. Erika Landers
Burn Center Executive Officer

location;

- Limit the character length to no more than 25-35 characters;
- Use leading 0s to facilitate sorting in numerical order if following a numeric scheme "001, 002..., 010, 011..., 100, 101, etc." instead of "1, 2..., 10, 11..., 100, 101, etc.";
- Use lowercase letters. When a name has more than one word, start each word with an uppercase letter. For example, "File_Name_Convention_001.doc";
- Use numbers and/or letters but not symbols or spaces that could cause complications across operating platforms;
- Use hyphens or underscores instead of blank spaces;
- Use international standard date notation (YYYY_MM_DD or YYYYMMDD); and
- Do not use overly complex or lengthy names, such as "filename-conventionjoesfinalversionedited-final.doc."

What about the media? This week we managed over 230,000 files stored on removable media. The majority of the media was 3.5 inch floppy diskettes. The files were moved to servers for long-term retention and backing up.

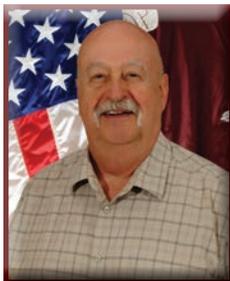
Some of the media consisted of CDs and DVDs. Most optical media has a shelf life of 5 to 6 years. The cheaper the media, the cheaper the manufacturing and the greater the chance the data just disappears after five or so years.

So thoughts to consider: Save time and effort for you and those who follow by using a standard for naming files. Develop a common naming of files for your work group or office. If you need suggestions for how to name files or folders talk with us.

Removable media should never be used for long-term storage. We have backed-up servers for that purpose. So, to use the obvious play on words: Keep your name out of the media by properly naming and handling your data (records).

For the Record

By Glen Gueller
Records/
Knowledge
Manager



Today's topic: Names On Media. Why "on" rather than "in?" After working with thousands of files (records) this week, names on media have taken on a life of their own. What a file is named and where the file is stored may make perfect sense at the time. However, this may not make as much sense to our peers or to those who come after us.

As an example, we have approximately 100 posters submitted for the Military Health System Research Symposium (MHSRS) conference. The most common file name element

is "MHSRS." When we manage the printing we rename files according to the conference, year, primary author and part of the poster title. After printing the file is archived. The file name will assist in finding the correct file when needed. Currently there are over 4,000 files in that archive.

The National Archives and Records Administration (NARA) publish a blog (<https://records-express.blogs.archives.gov>). The August 22 posting lists Several Best Practices for File Naming:

- Be unique and consistently structured;
- Be persistent and not tied to anything that changes over time or

