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HOLIDAY TO HOLIDAY

This issue of the *Update* covers the timeframe from pre-Christmas to Fat Tuesday. The calendar makers had long ago identified these two internationally celebrated events. Unfortunately, no one could have predicted our snow days and university closures. Although transportation was at times near impossible, much occurred as we report below.

HOLIDAY PARTY 2010



Reminder: You can view the color version of our ED Updates on our website at:
<http://www.med.wright.edu/em/res/multimedia.html>



FIRST, LET'S STATE THE FURRY GUY WAS RIGHT

The official Pennsylvania weather man was unable to view his shadow thus predicting an early spring. Short of a day or two of insignificant snow, an occasional freezing rain, the animal was dead on. Along with much of the mid-west, we sustained days and days of heavy downpours (6 inches over two weeks), soggy ground, rising rivers along with unexpected early warmth. The snow flowers broke through frozen ground and blossomed in the third week of February. That event has been my official date to turn my thoughts to outdoor activities. I additionally shaved my beard. Indoor events this past quarter had been a little rough.

IT COMES IN THREES

Ruth and I volunteered to be surrogate parents to two of our grandkids while their mom and dad ventured to California. While our daughter and son-in-law frequented wineries and famous master chef eateries, we got to change diapers, ignoring the visual delight of Keegan's undigested blueberries and supervise perineal hygiene in his brother Jack. He, I diagnosed as a fat malabsorber as I had to open the windows after his blowouts even though there was four inches of frozen rain on the Indianapolis ground. When we returned home our house thermostat reading was less than 50 degrees. The cat met me, gave me a vacant stare and I contemplated warming her in the microwave. Our furnace guys placed a rushed order on a \$900 part. We had to have some funky hot wiring performed, but we got the place warm enough to host a brunch.

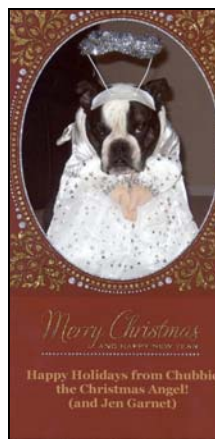
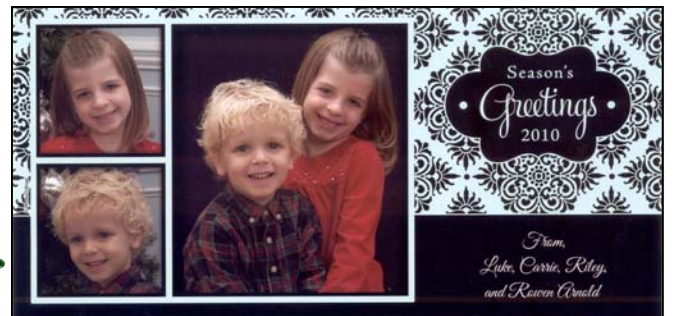
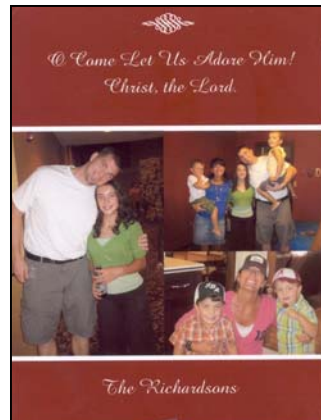
We had 6 of the 8 grandkids over on a Saturday morning. I took the oldest to a puppet show. While we were entertained, his 2 year-old sister inadvertently locked herself inside our master bathroom. Two police officers on duty combined their knowledge and experience with three firemen (my advisees). Everyone removed the lock mechanism without impact so they used a forced entry device, exploding the lock and splintering the door. When I returned home I saw the jaws of life in an iPhone video. "What now?" said the wife, fearing that a third event was imminent.

The third event was cranial splintering for our middle child. Pete did a spin move at a league game into a competitor. He was evaluated and sewn by an individual of a comparable age who is a graduate from Ohio State Department of Emergency Medicine.



SPEAKING OF GRADS

We heard from a good number of our alumni in this past quarter.



And now a word from the rest of the gang...

Taylor's Two Cents

- Travis Taylor, D.O.



MILITARY INCOMING BIOS



Full Name: Alan A. Dupré
Where born: Point Pleasant, WV
Where do you reside: Gaithersburg, MD
Current job/school: USUHS
Favorite recent movie: Nuremburg (Although not so recent)
Last book you read: Decision Points
Interesting Fact About Self: I am a private pilot.



Full Name: Nathan Jisc Holloway
Where born: Aurora, Colorado
Where do you reside: Oakwood, Ohio as of March 16th
Current job/school: Med Student, Uniformed Services University, Maryland
Favorite recent movie: Inception, who wouldn't want to hijack someone else's dreams?
Last book you read: "Your Heart Belongs to Me", Dean Koontz
Interesting Fact About Self: Celebrated Christmas this year by going to a Manchester United game in England.



Full Name: Jon Jefferson Juhasz
Where born: Provo, Utah (my father was not present for this birth as he was attending Army Helo Pilot Training and thus I've had issues ever since :)
Where do you reside: Eglin AFB/Shalimar, FL (AKA L.A.). When President Obama shook my hand in Dec 2010 and said "Jon thanks for your service here in Afghanistan" and asked where I was from, I said Eglin AFB, and he said, "Now where is that at again?" and I said "in the panhandle of florida or as the locals call it 'L.A.' for... Lower ALABAMA!!" He laughed pretty hard. A confederate flag is flying across the street from the local Wal-Mart here 24-7. This area is also known for it's annual Mullet Festival in October.
Current job/school: Eglin Flight Surgeon
Favorite movie: I don't really have a favorite movie but I frequently quote "Oh Brother Where art Thou," "Napoleon Dynamite," "Meet the Parents", and "Dumb and Dumber"
Last book you read: Lost Symbol
Interesting Fact About Self: I love writing poetry, long walks on the beach, and ballet... NOT! I was forced to take clogging lessons when I was 12 and was ridiculed when I would show up to baseball practice late in my clogging outfit. Talk about humiliating.



Full Name: Alexander Paul Keller IV, go by Alex
Where born: Jackson, Mississippi, raised in Athens, Georgia
Currently reside in Las Vegas assigned to Nellis AFB.
Current Job: Combat Search and Rescue Medical Element Flight Surgeon, 58th RQS
Last book read: Unbroken by Laura Hillenbrand
Favorite Recent Movie: The Hangover
Interesting Fact: I was on the Nickelodeon game show Double Dare when I was 14.



Full Name: Bridget Shannon Nestor
Where Born: Mission Viejo, CA
Where do you reside: Phoenix, AZ
Currnet job/school: Midwestern University
Favorite Recent Movie: Hard one. . .big "Anchor Man" fan. . .Really enjoyed "Slumdog Millionaire". . .I'm really into the TV show "Dexter" recently. . .
Last Book I read: "Good Night Moon" to my soon-to-be nephew :)
Interesting Fact: I was a music major in college. . .I play trumpet



Name: Scott Rubenstein
Born in New York, raised in South Florida
Currently live in Bethesda, Md
Currently a student at USUHS
Recent Movie: Tron: Legacy
Book: Cat and Mouse (Alex Cross series by James Patterson)
Factoid: I am big into cooking and smoking (not cigarettes or pot) my own food. I will soon be brewing my own beer.

WELCOME

CHAIR BROWN KNOWS

- James Brown, M.D.



CIVILIAN INCOMING BIOS



Heidi Abraham is one of two Wright State University students to join our class of 2014. Heidi worked as an EMT while in college at Cedarville. She is also a harpist who has performed for weddings and holiday concerts.



Larry Alcocer is one of our two incoming Loma Linda students. Larry was a personal trainer for six years and enjoys designing workout modalities. He also has worked as a parachute packer.



Gabriel David is our other Loma Linda student. He spent six years as an RN at the Georgetown University ED. One of his interests is international medical missions.



Katie Imhof comes to us from Wright State also. She is an avid equestrian who has worked in a veterinarian surgical clinic. She is also an amateur photographer.



Nathan Kinder joins us from Edward Via COM in Virginia. He is one of two military deferred students this year. He enjoys outdoor activities such as kayaking, rock climbing and surfing.



Edward Smith is a graduate of Ross University. Prior to medical school he was a partner in a restaurant/nightclub in South Beach. He and his wife have a strong interest in the preservation of our oceans.



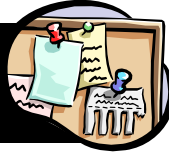
Laura Stachowicz is a student at Ohio University. This is a return trip to Dayton as she received her undergrad degree at UD. Laura's interests include traveling, aquarium fish and photography.



Justin Warix is our second military deferred student and comes from Nova Southeastern University. While in college Justin worked full time as a field EMT. He and his wife Betty have three daughters.

Cassie's Bulletin

- Cassie Browning



AWARDS AND HONORS

Dr. **Brian Springer** was recently honored as a hero during the sixth annual Heroes for Andy event. Brian was recognized for reviving an East Cleveland Police officer when he performed CPR on the officer after he collapsed and suffered a heart attack during a SWAT school exercise. For the full story please go to, <http://news-herald.com/articles/2011/04/03/news/nh3835847.txt>



We are proud to announce that 2007 graduate Dr. **Kirk Hinkley**, 81st Medical Operations Squadron, was recently selected as the Air Education and Training Command Flight Surgeon of the Year! Good luck to him as he now competes for the Air Force-level honor. Check out the full story at <http://www.wlox.com/Global/story.asp?S=14358209>.

We also learned that 1994 graduate and clinical assistant professor, **Randy Marriot** has won an award. He has been awarded the John P. Pryor, MD, Street Medicine Society Award. He was nominated by several groups: Dayton FD, Miami Township FD, the Urban Search and Rescue Task Force, the Greater Miami Valley EMS Council, the Regional Physician Advisory Board, Dayton Police, Kettering SWAT team, and Wright State University.

Congratulations to Brian, Kirk and Randy!

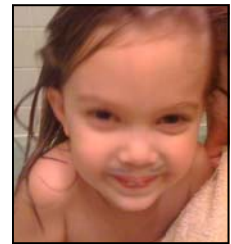
PERSONAL

I lost my baby, a 12 and a half-year-old Yorkie named Rusty, on March 12th to cancer. He was a sweet dog who loved life. He enjoyed coming to work with me the last 2 and a half months of his life. When I said, "you want to go bye bye?" he would get excited and was ready to go to work. Rusty, you will always be my baby! I love you!



MUSTACHE MARCH

We received these photos from **Cliff Lightfoot**, a third year resident in honor of Mustache March.



CONGRATULATIONS

Danny and **Taylor** welcomed **Madelyn Alexandra Giltner** on March 4th at 5:44 PM at MVH. She weighed 6lb7oz and was 18.5 inches long.



Second Life

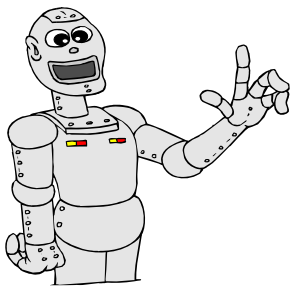
- Glenn Hamilton, M.D.

Dr. Hamilton's Second Life column will return in the next issue. He is out due to hip surgery.

PICKETT'S AFTER ACTION REPORT

EMS BOARD CERTIFICATION BACK HOME

ABEM, the ACGME, and the NAEMSP continue to move forward with board certification for EMS as a subspecialty of EM certification. Draft program requirements for ACGME recognized fellowships have gone to subcommittee, after which there will be a 45 day period for public comment. The earliest that ACGME certification applications could happen is 2012, but it is anyone's guess when the first fellowships will be offered. Things still look on track for the first board exam to be in spring of 2013. There will be a "fellowship track", where board eligibility will be conferred by completion of an EMS fellowship, and a "practice track" open for 5 years that would recognize physicians who have worked extensively in the EMS arena and may be eligible to sit for the Board exam. After the 5 year period, the practice track will close, and EMS board certification will be conferred only through completion of an ACGME fellowship. It is not yet known how much experience will be necessary to satisfy the requirements of the practice track, but rumor has it that 100 hours per year of EMS medical direction over the past 4 years would suffice.



Update from the Center for Immersive Medical Education and Research (CIMER) - Ray Ten Eyck, M.D.

SIM TO C.J. AND N.O.

In a winter fit for neither man nor mannequin, we were able to sustain our recurring simulation activities while adding a few new programs. The new year started with a road show at Charminade Julienne high school in which we presented our simulators to 80 aspiring scientists and engineers. The students and faculty were very gracious hosts who were as interested in what made the simulators "tick" as they were in the medical applications of simulation. Later in January I had an opportunity to share our experiences with the integration of high-fidelity simulation into the basic sciences curriculum as a member of a panel at the International Meeting on Simulation in Healthcare in New Orleans. The trip was cut short so that we could present the first expansion of this effort as we launched a new cardiovascular module in the second-year medical student curriculum.



DOINGS IN MY CURRENT HOME

I was in Kuwait for a few days before heading off to Mosul. The weather is decent, in the high 60s during the day, which is a far cry from the 140 degrees the last time I was here. I'm in good company of several other more experienced docs heading the same (general) direction. We're all curious to see what things look like over the next few months. The drawdown in Iraq continues, and medical assets become less and less busy. There is a lot of rumor about bases closing early and medical assets relocating, but nobody knows for sure. Like anything else in the Army, it's hurry up, wait, and see what happens.

SIM FOR WSU SECOND YEAR STUDENTS

In February, we presented our third iteration of the high-fidelity simulations designed to support the second-year medical student respiratory course. We greatly appreciate the support of Dr. Janz, Dr. Heitz, Dr. Lightfoot, and Dr. Brown who served as clinical preceptors for these simulations. We weren't sure if the close proximity of this session to the cardiovascular simulations, just two weeks earlier, would decrease the impact of the sessions. I was pleased with the feedback we received from the students which supported our belief that the educational value of the sessions was not dependent on the novelty of the simulation environment.

SPRING INITIATIVES UNDERWAY

As the quarter draws to an end, we have spent a good deal of time and effort on two initiatives. The first initiative is coordinating details for our largest multidisciplinary simulation session to date. The lab will span 3 full days in the beginning of April and will incorporate our second-year emergency medicine residents, senior residents from the Grandview emergency medicine residency and the graduating class of nursing students from the Kettering College of Medical Arts. Although the sessions are designed to challenge the clinical skills of the residents and nursing students, the main focus is on building medical team skills. The second initiative was an introductory video starring our own Dr. **Fontenette** who adeptly demonstrated the appropriate actions of a team leader who is conducting a simulated case. Even though the production is currently in the editing room, it is rumored that Dr. Fontenette is already being fitted for his tux for next year's academy awards.

If I only had a brain...



the Wizarding of Dr. Poz

One of the wonderful things about moving home to the Dayton area has been to get involved in the community where I once roamed as a kid. I find it fascinating to have different perspectives of the same place compared to "way back when".

AMERICAN IDOL

One such opportunity has occurred through involvement with my alma mater, Chaminade-Julienne (CJ) High School. At the beginning of this year, I was invited to participate in the STEMM Program as an Idol Speaker. From their website, "the CJ STEMM program is committed to opening students' eyes to fields in Science, Technology, Engineering, Math, and Medicine. Students learn through real world experience from hands on activities, field trips to various companies and research organizations, and presentations from experts and professionals in STEMM-related fields. Not only does this broaden students' worldviews, it also allows them to explore different career paths and encourages them to think outside of the box."



I find this to be an outstanding program and was honored to participate. As an Idol Speaker, I was tasked with providing a lecture or exhibit to each class (Freshmen through Seniors) for 15-20 minutes each. I enlisted the help of the Simulation Center and its talented staff, Dr. Ten Eyck, Jeff Adams and Dave Cherolis. Together we spent the afternoon demonstrating a "scene resuscitation" revealing the worlds of advanced life support and high fidelity simulation. It was well received by the students and very much enjoyed by us. A picture taken during the simulation was featured in an article in the Dayton Business Journal as an advertisement for the program.

A PROJECT

In addition, I was asked to participate in Project Lead the Way, a national, nonprofit educational program designed to engage students in the field of Biomedical Sciences or Engineering. Two students spent several hours in our department, seeing "a day in the life of" Research with Dr. Olson, and "a day in the life of" Emergency Medicine with me touring both the ED and the Simulation Center. It's refreshing to see their eagerness and humbling to remember how far I've come since then.

SIS HONORED

Finally, I had the pleasure of witnessing my sister, Amy Powell, be inducted into the CJ Athletic Hall of Fame, a place that seemed so far away when we were growing up. She deserved every ounce of the honor, and it was truly remarkable to see the woman she has been and has become.

THANKS

Together, these three things reminded me of the people who helped me along the way. Parents, siblings, friends, significant others, teachers, colleagues, and mentors all play a role and in our busy lives, and it is too easy to forget to say thank you. It has been a privilege to be on the other side of that coin this year. So, I challenge you take some time this week to spend with those that help you get through your day, your year, your residency, your tough situation, and provide guidance and strength to make it through unscathed, and perhaps even a better person on the other side.

New Heitz

- Corey Heitz, M.D.



A LOVING FUTURE

The biggest news from my end is the arrival of Natalie Marcella Heitz on March 14, 2011, at 8:46 pm! Weighing in at 6lbs 1oz, little Natalie spent a couple days in the NICU while they checked out her heart and made sure she could eat ok. Mom and baby went home together 2 days later, and the whole family has been settling into their new routine at home. More pics, video, and info can be found at www.theheitzfamily.com/family/Baby_Blog.HTML and www.theheitzfamily.com/heart



PROGRAM TO PROGRAM LEAP

In other major life developments, we finally chose a destination for our future careers! My wife and I will be joining the medical staff at Carilion Clinic in Roanoke, Virginia starting in October. I will be serving as the clerkship director for the upcoming EM residency (first class matched March 17th!) and Erica will start for the first year as part time general pediatrics/part time endocrine, with a goal of moving to endocrine only and an administrative position as clerkship director for the pediatrics clerkship. The hospital is affiliated with the new Virginia Tech-Carilion School of Medicine, located in Roanoke. My time with the residency will come to an end at the end of June, and I will work shifts at Miami Valley until we leave. Leaving will be bittersweet...I look forward to the opportunities offered by helping create a new program, but I've developed quite a fondness for the people here and this program.

IT'S NOT CHARLIE SHEEN ONLINE BUT...

My time here started in the world of Faculty Development. Continuing in that vein, I developed a "teaching portfolio" which serves as a living CV and includes not only particulars about my career, but also a teaching philosophy and a more in-depth look at what goes on in the world of a clerkship director. This can be found at web.me.com/coreyheitz/portfolio

CORD REPORT

March 3-4 was the annual Council of Residency Directors meeting in San Diego, California. While Dayton underwent the deluge, myself, Dr. **Brown** and Dr. **Poznanski** (along with Chris Kraft and husband Butch) enjoyed sunny San Diego. Highlights of the conference from my standpoint include speaking on the first day about realism in simulation, and what to do in the event the scenario doesn't go as planned, as well as learning about script concordance testing, a new type of test question that helps assess clinical reasoning skills. Look for more on that as CORD and CDEM attempt to improve resident and medical student assessments!



Springer's Stuff

- Brian Springer,

DECEMBER SWAGGER

The holidays were, as always, a great time. Lots of booze was consumed at the DEM party. I have discovered that I no longer tolerate chugging tequila like I could in my twenties and thirties. Next year I will be bringing some margarita mix (or at least some salt and limes) and be ready when the bottle is passed. Still, Kim and I were able to depart the facilities under our own power, which is more than I can say about some of our residents (see photo).



Feeling no pain: *Cliff Lightfoot, Scott Koncal, Brian Springer, Aaron Rubin, John Dorsch*

JANUARY AND FEBRUARY PASSED

January was uneventful save for some training and operations with both FBI and Dayton SWAT. February was my teaching month, giving me the opportunity to enlighten students with EM lectures and torment residents with simulator cases.

STATE PARKIN' FOR THE NEW YEAR

Thanks to a nomination by Ohio ACEP (and Dr Hamilton) I am now a member of the State of Ohio EMS Board. I attended my first meeting in December, followed by their February 3-day retreat at the Deer Creek Lodge and Conference Center near Columbus. Beautiful country (I was not attacked by any ferocious does like at Hocking Hills) and tremendous learning curve on how the Board functions. I will be joining the medical oversight committee, and taking the reins of the Tactical EMS committee.

TO CAP THE CLASS

Following a number of unintentional firearms discharges over the last several years at Ohio Peace Officers Training Academy, I was asked to put on a first aid class. Target audience was Academy firearms instructors at the London campus. Subsequently, it was decided to open the class up to any law enforcement firearms instructors in the state. We had to cap the class at 62! I was ably assisted by Dr. **Aaron Rubin**, and have been asked to repeat the class at the Ritchfield campus.



John Dorsch with SWAT robot

SET THE GLOCKS FORWARD

Finally, I along with Drs. **Travis Taylor**, **Aaron Rubin**, **Cliff Lightfoot**, and DEM grads **Rich Harover** and **Greg Rodgers** are now Certified Glock Armorers! The eight-hour course was held at the Dayton Police Academy, and we are now experts on the maintenance and trouble-shooting of "Tactical Tupperware." Law enforcement I work with are excited; how many SWAT docs out there can take care of team members *and* fix their sidearms?



Aaron Rubin in "mission-ready" mode

LABORATORY COLLABORATIONS

Our collaboration with Dr. Yan Fang Chen (Department of Pharmacology and Toxicology) has progressed significantly in the past several months. The results of these investigations are currently being compiled in anticipation of submission for publication.

Our ongoing collaboration with the laboratory in Montreal headed by Dr. Charles Bourque has resulted in one submitted manuscript. Dr. Olson is currently serving as a consultant on Dr. Bourque's research grant to the National Research Council Canada.

ALL THINGS SMALL AND WONDERFUL

Our long time collaborator at City University of New York in Staten Island performed electron microscopic analyses to evaluate the localization of nano particles as part of our continuing development of magnetic resonance imaging probes for the brain. The results from New York demonstrate that the nanoparticles are transported across the blood-brain barrier. To further develop the research path, we are developing collaborations with investigators at the Multiple Sclerosis Center at Ohio State University and elsewhere.

POTENTIAL FUNDING

Dr. Olson submitted two applications for lab funding during the past several months. The first went to the Ohio Research Innovation Fund to support new projects. In addition to the basic science implications of this potential research the information may inform the design of novel treatments for rapidly dividing brain tumors.

In a second project submitted to the Ohio Third Frontier Program, Dr. Olson developed a collaboration with a local technology firm, Spectral Energetics. In this research our laboratory will become the initial testing station for a device which would permit noninvasive assessment of brain injury using a low power microwave device. We anticipate the instrument could be employed in EMS vehicles as well as useful in the military battlefield.

Research Results

- Jim Olson, Ph.D.



STUDENT RESEARCH PROGRESS

Several weeks before his scheduled time of arrival, Gabriel Freeman was born to



Amanda and her husband Timothy. Coming just three weeks before an important Ph.D. Thesis Committee meeting, this interrupted her plans in the laboratory for a short period of time. Amanda and the baby now are doing



well and Amanda has returned to the lab and further development of her proposed thesis research. As an additional sidelight, Tim will be a resident in the area next year as he joins the pediatric residency at Dayton Children's Hospital.

Sergei Robinson completed all of the experimental protocols for his Master's Thesis and presented his research plans to the Neuroscience Cell Biology and Physiology Master's Thesis committee.

Courtney Moore has mastered the techniques of patch clamp and cell culture and has begun to perform initial studies on what will become her research project for her Master's Thesis.

Megan Woods submitted an abstract to the Experimental Biology meetings which will be held in Washington D.C. in early April.