

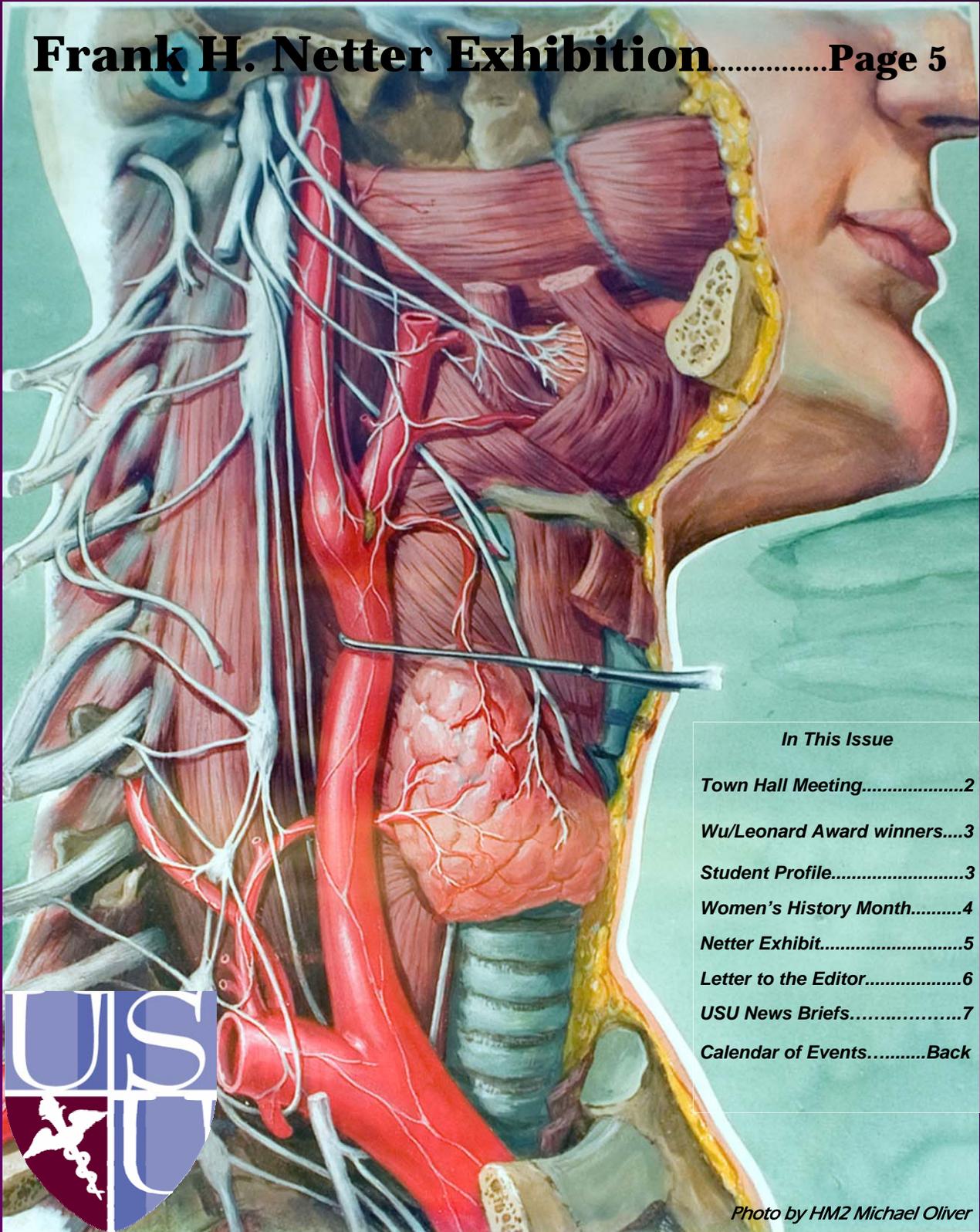
USU Newsletter

VOLUME 2, ISSUE 6

WWW.USUHS.MIL

MARCH 26, 2007

Frank H. Netter Exhibition.....Page 5



In This Issue

<i>Town Hall Meeting.....</i>	<i>2</i>
<i>Wu/Leonard Award winners....</i>	<i>3</i>
<i>Student Profile.....</i>	<i>3</i>
<i>Women's History Month.....</i>	<i>4</i>
<i>Netter Exhibit.....</i>	<i>5</i>
<i>Letter to the Editor.....</i>	<i>6</i>
<i>USU News Briefs.....</i>	<i>7</i>
<i>Calendar of Events.....</i>	<i>Back</i>



Photo by HM2 Michael Oliver



**USU Newsletter
Editorial Staff**

Carol R. Scheman
*Vice President for
External Affairs and
Managing Editor*

**Tech. Sgt.
André Nicholson**
Editor

**Mass Communications
Specialist
Seaman
Raul Zamora**
Staff Writer

**Mass Communications
Specialist
Seaman
Jeffrey Hopkins**
Staff Writer

Marla Wright
Webmaster

Publishing
USU Duplicating Office

Production:

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

Submissions:

The USU Newsletter will be published bi-weekly on Mondays and deadline for submission is Friday at 4 p.m. Submissions can be sent to usnewsleter@usuhs.mil or call 301-295-3925.

President Addresses Key Issues at Latest Town Hall

*By Tech. Sgt. Andre Nicholson
NCOIC, Office of External Affairs*

The issues discussed at the All Hands Town Hall meeting March 21 ranged from BRAC/Integration to construction to faculty salaries.

The Uniformed Services University of the Health Sciences' (USU) President Dr. Charles Rice, along with COL Thomas Fitzpatrick, director, Office of Integration and LTC Timothy Rapp, USU's chief information officer, were the featured speakers for the meeting.

Dr. Rice began by asking everyone to stand for a moment of silence in memory of Air Force 2nd LT. Catherine Baxter, who died March 7 after her battle with cancer. Baxter was a member of USU's School of Medicine Class of 2007. The funeral for LT. Baxter is April 5 at Arlington National Cemetery on April 5th at 9 a.m. People are asked to arrive 30 minutes prior. Uniform for service members is: Air Force - Service Dress; Navy/Public Health Service - Service Dress Blues; and Army - Class A.

President Rice noted that over the last month Walter Reed Army Medical Center (WRAMC) has been prominently addressed in the news, with the media's attention focusing on shortfalls in outpatient facilities. These issues, are not about medical care, but the process in place to manage the wounded and return them to duty or medically retire them is not functioning as it should.

Three separate oversight and review groups have been established as a result of the concerns about WRAMC and have brought the BRAC closure of the facility into question. However, as things stand right now the closure of WRAMC is still underway, and in fact may be accelerated. Unless Congress establishes new legislation to change it, the process will continue, Dr. Rice explained.

As for the integration of services between the university and the National Naval Medical Center (NNMC) thus far, Dr. Rice said the Department of Orthopedics has made a successful integration and four other departments are currently working toward or considering the integration of their services: Pediatrics, Clinical Investigations, Dermatology, and Pathology.

"I'm very pleased with the progress we've made in the integration of services so far," Dr. Rice said, "and as one of the flag officers (for the BRAC/Integration Oversight Team) I can tell you that we are all firmly committed in pressing ahead. As General (Kenneth) Farmer once said, 'It's the right thing to do, but only if we do it right.'"

Updates on the construction progress were another topic Dr. Rice addressed. When walking around the university it is evident that the campus is in the midst of several projects: brick work on all four buildings, construction of Building E, laboratory renovations, bathroom renovations, and the parking garage to name a few.

As for each building: Building A, all brick work is complete; Building B is only about five percent done; Building C is 50 percent complete; and Building D is near completion. Once the bricks have been replaced, the buildings are caulked and washed. All the buildings are estimated to be complete by the middle of October.

University members can breathe a small sigh of relief as the repairs in the parking garage come to a halt for the next few months. The current repairs are estimated to be done by the end of this month, and no work will take place again until June. At that time, repairs to the ramps will begin and is projected to take any where from six to eight weeks.

"I think it's better to be systematic and do the construction in a controlled manner and repair things as we can,

rather than in an emergency situation," Dr. Rice said.

While buildings are being constructed there has been also talk of expanding the class sizes within the School of Medicine (SOM) and the Graduate School of Nursing (GSN). The GSN has steadily increased its class size over the last few years and the Center for Naval Analysis is looking into the feasibility of increasing the SOM's class size which currently stands at 165-180 students per class.

However, Dr. Rice stressed that there were two important factors that must be kept in consideration when expanding the classes. "We don't want to dilute the quality of students that are enrolled here and secondly there are limited sites for clinical hours within the local area and almost throughout the country that we can send the students."

Both the SOM and the GSN are also exploring other health care related programs to incorporate into the university, such as a post doctoral dentistry program and an advanced practice nursing program within psychiatry.

Something that is important to most people is the issue of money and faculty salaries were one of the topics also suggested for discussion.

Dr. Rice explained that current legislation makes faculty salaries comparable with the other health institutions within the area. However, the belief and argument is that is not necessarily the case, and that's the issue President Rice is addressing on behalf of the university.

Other topics that the president spoke about were the three search committees. There are committees established for a GSN Dean, chaired by Dr. Eleanor Metcalf, assistant dean Graduate Education Office; a Senior Vice President committee, chaired by Dr. Larry Laughlin, dean SOM; and a Brigade Commander committee, chaired by William Bester, acting dean, GSN.

Many of the topics the president spoke about were concerns sent to him through his Open Door Program, which he encouraged people to use if they have issues or positive comments about things at the university. The Open Door Program can be found online at: <http://www.usuhs.mil/dre/landing.html>.

After the president touched on those topics he allowed LTC Rapp an opportunity to provide a follow-up briefing on the recent Defense Information Security Agency Operations inspection.

Rapp provided an overview of the inspection findings back in January, and now states that all of the Category I findings that required immediate attention had been completed except one and that was due to a hardware issue. There were still a few Category II findings, but they were making significant progress and DISA is aware and understands that, he explained.

Some IT initiatives that are underway include: expansion of the USU .edu presence, which Rapp estimates will be available by late spring early summer; establishment of a network "DMZ" (demilitarized zone) and protected device enclaves; and expanded e-mail services such as Outlook.

Lastly, Dr. Rice mentioned some of the university's upcoming events such as the David Packard Lecture, March 28, when Noble Laureate Sydney Brenner will speak; Research Week, May 14-16, with Plenary Speaker Anthony Fauci, M.D.; and the current artwork display of medical illustrations by Dr. Frank Netter, in the foyer of Building B.

More information for the next town hall meeting will be distributed at a later date.

Directions to the funeral site for 2LT Catherine Baxter can be obtained at: <http://www.arlingtoncemetery.org/directions.html>

2007 Wu and Leonard Awards Announced

This year's winners of the Henry Wu Award for Excellence in Basic Research and the James Leonard Award for Excellence in Clinical Research are Dr. Chou-Zen Giam, professor and vice chair of the Department of Microbiology and Immunology and Dr. Shiv Srivistava, professor of surgery, and scientific director of the Center for Prostate Disease Research.

The Wu and Leonard awards are presented annually to members of the faculty nominated and selected by their peers, who have published a paper within the previous three years that has made a unique and fundamental contribution to moving their field forward. The awardees each receive a prize of \$2,000, and deliver the plenary lectures around which the symposia of the University's annual Research Week are organized.

Dr. Giam will receive the Henry Wu Award for his paper entitled "Activation of the Anaphase Promoting Complex by HTLV-1 Tax Leads to Senescence," published in the *EMBO Journal* in April, 2006. Dr. Giam received his Ph.D. from the University of Connecticut, and after a postdoctoral fellowship with Dr. George Khoury at the National Cancer Institute and faculty positions at the University of Nebraska and Case Western Reserve University, was recruited to USU in 1996.

One focus of his laboratory has been the study of the human retrovirus HTLV-1, the virus which causes adult T cell leukemia in some infected individuals, and is endemic in parts of the Caribbean and southern Japan. In a series of elegantly designed and executed experiments described in his award-winning paper Dr. Giam showed how Tax, a protein produced by this cancer-causing virus interacts with proteins that regulate normal progression through the cell cycle to prematurely activate the pathway used by cells to dispose

of the machinery that segregates the cell's genetic material during cell division. This results in the paradoxical irreversible arrest of cells expressing Tax at an early stage of the cell cycle, providing an important new insight into the critical steps involved in the development of adult T cell leukemia. More generally, these results identify a new and novel potential target for cancer therapy.

Dr. Srivistava will receive the James Leonard Award for his paper entitled "Frequent Overexpression of ETS-related gene-1 (ERG1) in Prostate Cancer Transcriptome" published in *Oncogene* in May, 2005. He received his Ph.D. from the Indian Institute of Technology in 1980, and after postdoctoral fellowships at the Memorial Sloan Kettering Cancer Center, and the National Cancer Institute, he was recruited to USU in 1988 from the Lombardi Cancer Center at Georgetown University.

In the paper for which he is being recognized, Dr. Srivistava and his colleagues used laser microdissection and microarray analysis to show that the gene most frequently overexpressed in prostate cancer cells is ERG1, which encodes a member of a family of genes that regulate how cells respond to external signals. In addition, they showed that the extent of overexpression was directly related to the overall prognosis for successful treatment. Identification of this previously unrecognized gene as a major factor in the development of prostate cancer provides important new information about the origins of this disease.

The Henry Wu Basic Science Award is named for Dr. Henry Wu, professor of the Department of Microbiology and the second chair of the department. Dr. Wu came to USU from the University of Connecticut in 1980, shortly after the USU opened. He brought with him an internationally recog-

nized research program in bacterial lipoprotein biosynthesis, and an unquenchable enthusiasm for science that was a major factor in the recruitment of many other faculty to the university. He provided advice and encouragement to all of his colleagues, and was an unwavering supporter of doctoral programs in the basic sciences.

Indeed, Dr. Giam, this year's awardee was one of the many graduate students that Dr. Wu trained and of whom he was justifiably proud. Past winners of the Wu Award include Drs. Ignacio Provencio, Michael Daly, Anthony Maurelli, and Teresa Dunn.

The Leonard Award for Clinical Research is named for the founding chair of the Department of Medicine, Dr. James Leonard. Dr. Leonard came to USU in 1976 from the University of Pittsburgh, and brought instant credibility to the school.

An internationally respected cardiologist, he is perhaps best known for his classic research on the physiological basis of heart sounds. Not only was he a leader in cardiac research, but he was instrumental in establishing undergraduate clinical education at USU and graduate medical education programs at our affiliated hospitals. His broad view of medicine and his open door made him a favorite of students and colleagues alike. Past winners of the Leonard Award include Drs. Andre DuBois, George Tsokos, Mark Haigney and Carol Fullerton.

This year the symposia organized around the Wu and Leonard Awards will be held on May 15 and 16. It is noteworthy that the research for which each awardee is being honored addresses both fundamental questions in human biology and problems relevant to clinical medicine. Their keynote lectures are certain to be informative and stimulating for the entire faculty, fellows and students who

Student Profiles: Ensign James Decker School of Medicine

By MCSN Jeff Hopkins
Staff Writer, Office of External Affairs

Many students of the Uniformed Services University of the Health Sciences' (USU) School of Medicine (SOM) have some military heritage, and Ensign James C. Decker, USPHS, is no exception.

Decker was born in San Antonio, Texas, and as the son of a career Airman, Decker and his family moved around quite a bit.

"We moved to Michigan, Maryland, and Minnesota," Decker said, "and then we skipped the rest of the M's and moved to England."

Upon graduating high school, Decker returned stateside to attend Campbell University in Buies Creek, N.C., for his pre-med degree.

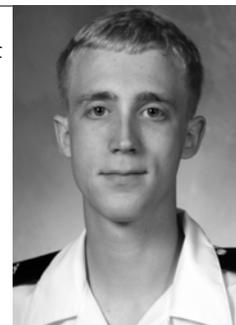
Decker said his interest in medicine stemmed from his upbringing, as both his parents worked in the medical field. Decker's father began his Air Force career as a nurse, and later became a nurse anesthetist. His mother started her nursing career in the Air Force, but continued as a civilian nurse for the flexibility necessary to raise their three children.

Despite his Air Force heritage, Decker is being sponsored as an ensign in the U.S. Public Health Service by the National Institute of Allergy and Infectious Diseases (NIAID), a part of the National Institutes of Health.

"Advances in this field can have a huge impact on both national and global health-care," Decker said. "Infectious diseases are a serious daily concern, especially in a world where the risk of rapid transmission of infections worldwide is becoming greater every day. Disease knows no borders."

Decker says the educational emphasis provided by the SOM in the area of infectious disease is above that of most other U.S. medical schools, and it's part of the reason he chose USU.

Decker said he enjoys the support the students at USU give each other in their studies, and he's particularly impressed with the pass-down CD, a CD of notes, educational data and experience; it's created each year by SOM students and handed down to the incoming class.



Ensign James Decker
USPHS, MS I

AFRRI Director speaks at USU's National Women's History Month celebration

By MCSN Jeff Hopkins
Staff Writer, Office of External Affairs

Staff, faculty, and students at the Uniformed Services University of the Health Sciences (USU) attended a celebration of National Women's History Month, March 21.

The presentation included an invocation by Chaplain (LCDR) Paschall Dawson III, USN, and a speech given by Army Col. Patricia Lillis-Hearne, director of the Armed Forces Radiobiology Research Institute.

Lillis-Hearne spoke about the challenges and difficulties women have faced in their struggle for equality, as well as the hardships and rarity of women attending medical school during her period of medical education.

"I was accepted to medical school in a class of 254, in which I was one of only 19 women," Lillis-Hearne said. "Three years prior to my class, there were only 13 women, and three years prior to that, there were three; prior to that was a long period of no women at all."

Lillis-Hearne attended an all-girl's parochial school between fifth and ninth grade, and said, contrary to the stereotypes, she saw the nuns who taught at the school as dedicated, intelligent, and tremendously competent women, and there were many women who were strong in leadership roles.

"We had the occasional stereotypical 'nun-zilla,' but somehow we were able to look at these people as fragile human beings. As a student, your job was simply to avoid them," she added jokingly.

She said in high school, her two most influential teachers were women who taught her math and science, and as they

learned of Lillis-Hearne's plans to attend medical school, they encouraged her, going so far as to give her extra work to "toughen her up." Lillis-Hearne's chemistry teacher had applied to medical school in 1945, and was accepted, and then later denied, due to the slots going to men who were returning from the war.

"I was stunned, actually incredulous, and I looked at her and really felt her personal pain. But today looking back, what is still surprising to me is my reaction then," Lillis-Hearne said. "I had no sense of outrage or thoughts that she should have found a good lawyer, because what had happened was just accepted as one of the things that could happen if you were a woman."

In her first and second years at medical school, Lillis-Hearne said she was alarmed that there were occasional grumblings that women didn't belong in the class, and that something should be done about it.

"As a group, we all got together and let the administration know that our average MCAT scores were several points higher than the men's class-average, and that none of our GPAs were less than a 3.6, also considerably higher than average for the men in the class," she said.

Lillis-Hearne also spoke of the difficulties she encountered as a woman in her internship.

"We had no on-call rooms; we slept in the rooms with the guys until some men complained, mostly because their wives were upset," she said. "We had no separate bathrooms, so my entire residency, none of the women ever showered on a post-call night. More aggravating than that, as an army officer, we were required to take and pass the Physical Training test, and when we

found out that the men all had locker rooms and showers, we asked for the same. We were told, and some things never change, that there was just no available space."

The limitations and restrictions plaguing women's careers in medicine didn't end there; Lillis-Hearne said female military doctors were discouraged from specialties outside of pediatrics, psychiatry, pathology, and in some cases, internal medicine, adding that no women were accepted into the surgical programs.

"There was an unwritten axiom that no woman would ever be a commander; for one thing, a prerequisite for that job was to be a division surgeon, and division surgeons were in spots in combat units, which were not open to women," Lillis-Hearne said, "but eventually that also changed, as you can see from my biography."

Lillis-Hearne ended her speech with a small piece of advice for men.

"Take a quiet moment, take a deep breath, and get in touch with your feminine side. You will all be better for it, just ask your partner," she said.



Photo by Tech. Sgt. James Steele

**COL Patricia Lillis-Hearne,
USA, director, of AFRRI**



Prospective students and their relatives visit USU

The Uniformed Services University of the Health Science (USU) recently had a group of prospective students their relatives visit for a tour. It began with CAPT (Dr.) Cynthia Macri, Navy, vice president for USU Recruitment and Diversity, giving a briefing about what to expect on the tour. Her presentation was followed by Dennis Stutz, director of the Multidiscipline Laboratory, who showed them the Anatomical Teaching Lab and explained about the different school programs. After Mr. Stutz showed them the ATL, the visitors had lunch with some of the first year medical students and were able to ask questions and find out what student life was all about. After lunch they went to the Patient Simulation Lab where Richard Kyle talked to them about the lab and the different scenarios that are conducted.

Photo by MCSN Raul Zamora



USU Hosts annual Pediatrics Seminar

The Uniformed Services University of the Health Sciences hosted a reception for alumni, faculty, residents and fellows in conjunction with the USU pediatrics seminar on March 20. The event is held annually to provide an opportunity for updates on pediatric's issues and USU.

The Frank Netter Exhibit: A Legacy of Art in Medicine

By MCSN Jeff Hopkins
Staff Writer, Office of External Affairs

The nationally recognized artwork of Dr. Frank Netter titled "Medical Masterpieces – Art of a Surgeon," is currently on exhibition in the Building B lobby at the Uniformed Services University of the Health Sciences (USU) and will be displayed until April 27.

Dr. Netter was a U.S. Army officer during World War II, and was in charge of graphic training aids. He designed sketches for first aid and survival manuals, as well as a large volume for training X-ray technicians. The Army was able to use the pictures to teach combat first aid, and soldiers on the battlefield were able to recall what they had seen in the pictures to provide treatment.

The exhibit showcases thirty paintings and several sketches of Dr. Netter's original artwork. The paintings being displayed show various aspects of anatomy, embryology, pathophysiology, illness, diagnosis, surgery, and patient care.

Francis Netter Robinson, one of Netter's children, spoke about her dad's life, his work, and some of the things he did with the Army during World War II, during a presentation at the university, March 19.

Robinson said Netter attended the National Academy of Design on a scholarship, until pressure from his mother directed him towards a more formal education.

"His mother said, art is a very nice thing, but that's no way for a young man to earn a living," Robinson said, adding that his mother suggested he become a doctor, lawyer, or an engineer. "He made a deal with her, if she would let him continue to study art, he would go to college."

After Netter's first year of college, his mother succumbed to an infection after a hysterectomy and died, cementing Netter's plan to become a doctor.

Robinson said Netter's talent for medical illustrations came to light in his anatomy classes, when his instructor looked over his shoulder and noticed the drawings he created.

"He found he committed things to memory best if he drew pictures of them," Robinson said. "It wasn't long before professors looked over his shoulder and saw the pictures, and they asked him to make pictures for them to use in their lessons."



Photo by HM2 Michael Oliver

Dr. Emmanuel Cassimatis, (left) associate dean, Clinical Affairs and vice president for Affiliations and International Affairs; and Norman Qualtrough, deputy vice president for Finance and Administration, view the artwork on display at the Frank Netter Exhibit, which will be available for viewing in the foyer of Building B until April 27.

Robinson related an anecdote about her father's troubles with persistent pharmaceutical companies attempting to commission him to create illustrations for their products.

"During the great depression, pharmaceutical companies paid him to create pictures for their products, and although the pay was decent, he felt these projects distracted him from his medical work, and decided that to discourage the companies from attempting to commission him, he would quote a ridiculous price to the next one who tried," Robinson said. "He told one of the companies he would charge \$300 a picture, and they wanted five pictures. So he said, 'that'll be \$1,500.' The manager said 'Gee that's a lot of money,' but he was back the next day, and he said 'I talked to my manager, and we're willing to pay you \$1,500 per picture.'"

Following his medical career, Netter took a position with the CIBA Pharmaceutical Company, creating a series of 13 books called the CIBA Collection of Medical Illustrations, as well as his Atlas of the Human Anatomy. In all, Dr. Netter produced nearly 4,000 illustrations, which have been included in countless publications.

Letter to the editor

Hello, it's me Gracie again, welcoming faculty, students and staff into another glorious spring at the Uniformed Services University of the Health Sciences (USU).

Upon returning to the university, I heard some great news; yours truly, Gracie the Grey Goose will become the school's official bird!

And who better to represent such a prestigious university than the grey goose, the greatest bird of all? Ben Franklin spoke of the turkey as a noble bird, calling it a bird of courage, which would not hesitate to attack a grenadier of the British Guards who should presume to invade his farm yard with a red coat on.

But, it is I who protects the university against all enemies for-

eign and domestic. I ask you, who has not recoiled in fear at the fearful display of my feathers? At the ferocity I exhibit in the protection of my young? Who is brave enough to confront the perils of the land-mines I leave all over the campus? I don't know what else to say besides "I accept."

Sincerely,

Gracie, the Grey Goose



Photo illustration by MCSN Raul Zamora

Look Who's Talking: What do you think of the Grey Goose becoming the university's official bird?



"Sure, go for it. I don't care..."

*Megan Fitzgerald
Program Assistant
MDL*



"I don't really think a goose is manly enough for this university; I almost run them over with my car every day. Maybe a hawk or something..."

*Megan Ralls
IACUC Assistant
LAM*



"Sure, whatever makes people happy..."

*FC2 Adam Race
Help Desk Technician
UIS*

Texas tea, anyone? USU construction effort strikes oil



Photo illustration by MCSN Raul Zamora

Contractors working on the Building E site at the Uniformed Services University of the Health Sciences (USU) got quite a surprise when one of the earth-movers struck oil.

Current plans for spending the more than \$2 billion already accrued in excess oil revenue will be discussed at the next town hall meeting, but many students, staff, and faculty already have suggestions.

"I think they should give every USU employee a cut and use the rest to build a bigger and better university," said Sgt. Lowest Rank, a laboratory technician in the Fay Clab division. However, once I get my fair share you'll probably hear these two little words: *I quit.*"

All information on this page is part of our April Fools Campaign....don't take us seriously!

USU News Briefs

ATTN All Personnel:

Lt Col David J. Roll, USAF, CFN, regretfully announces the death of 2Lt Catherine M. Baxter, USAF, USUHS class of 2007. Anyone having claims against or indebtedness to the estate of 2Lt Catherine M. Baxter should contact Lt Col David J. Roll, Summary Court Officer, at 240-857-7774.

Nobel Laureate Dr. Sydney Brenner to Address USU Faculty at Annual Packard Lecture:

The 2002 Nobel Prize in Physiology or Medicine recipient, Dr. Sydney Brenner will present "The David Packard Lecture" at the Uniformed Services University of the Health Sciences (USU), March 28, 2007.

Dr. Brenner is the Senior Distinguished Fellow of the Crick-Jacobs Center at the Jonas Salk Institute in La Jolla, Calif. Dr. Brenner is one of the 20th century's leading pioneers in genetics and molecular biology. Among his many notable discoveries, Dr. Brenner established the existence of messenger RNA and demonstrated how the order of amino acids in proteins is determined.

Surgical Associates' Day:

The 27th USU Surgical Associates' Day held March 19, was dedicated to 25% of the third year class, Class of 2008, currently on the Surgical Rotation combined with a special meeting with the leadership of the American Association for the Surgery for Trauma (AAST) organized by Surgery Chairman COL David G. Burris, M.D., U.S. Army, with the support of President Charles L. Rice, AAST President David Feliciano from Emory University in Atlanta and Immediate Past President of AAST C. William Schwab from Philadelphia and the University of Pennsylvania, among others. There was a celebration of the six-week opening of the Netter Exhibit in the foyer of Building B, which was organized with the support of the Surgical Interest Group led by ENS Joshua Gustafson and 2nd Lt Ryan Roberts. The USU Surgical Associates presented the Larrey Award to RDML Adam Robinson, commander of NNMC, the DeBaKey Award to Ari Leppaniemi of Finland and the Goldwater Award to Reserve Navy CAPT Richard Mullins from Portland and the University of Oregon, among others.

The AAST component emphasized Civilian-Military collaboration and reports will be made available.

Commencement :

The Uniformed Services University of the Health Sciences (USU) announces the 28th Annual Commencement Exercise for the class of 2007 will be held May 19 at 11 a.m. The exercise will be held at the National Society Daughters of the American Revolution Constitution Hall. Admission to commencement is by ticket only. To reserve staff and faculty audience tickets contact Carrie Hibler at chibler@usuhs.mil or in room B1009 External Affairs Annex no later than April 30.

LRC Workshop:

The James A. Zimble Learning Resource Center hosted a one-day workshop for librarians on preparing for and writing grants for digitization and/or preservation projects, March 19. Participants were encouraged to bring their own projects for which funding was being sought. Participants came from as far away as Duke University and as close as the National Institutes of Health. The assembled group gave Mr. Tom Claeson, the instructor, high marks on his presentation and knowledge of library funding.

Blood Drive:

The Student Spouses Club is hosting a blood drive April 4 from 9 a.m. to 3 p.m. in the lobby of Building B outside the cafeteria.

USU in the News

One Small Step for Deinococcus, or One Giant Leap for Radiation Biology?

Results of a recent study titled "Protein Oxidation Implicated as the Primary Determinant of Bacterial Radioresistance," was published in the March 20 edition of PLoS Biology. The study headed by Michael J. Daly, Ph.D., associate professor at the Uniformed Services University of the Health Sciences (USU), Department of Pathology, shows that the ability of the bacterium *Deinococcus radiodurans* to endure and survive enormous levels of ionizing radiation (X-rays and gamma-rays) relies on a powerful mechanism that protects proteins from oxidative damage during irradiation.

USU History



David Packard
USU President 1976-1981

gents from 1973 to 1982.

Packard was born in Pueblo, Colorado on September 7, 1912, to a father and a mother who were, respectively, an attorney and a

high school teacher.

In high school he was popular. He was elected president of his class all four years. His 6'5" frame lent itself to athletics. He participated in track, winning the high jump, long jump, low and high hurdles, and discus, setting a new record in the all-state meet. He also played football and basketball, being selected all-state in the latter. His professional basketball playing days would come after four years of college.

Packard enrolled at Stanford University in 1930 where he did well academically. He was elected to Phi Beta Kappa, and perhaps most notably, selected by the now-legendary educator Fred Terman to take a graduate course in radio engineering. Packard was the first undergraduate to be invited to take this graduate offering.

David Packard finished school at Stanford, the first time, in the spring of 1934, with a Bachelors degree. He then took some fall

quarter courses at the University of Colorado at Boulder before reporting for work. This employment began in February 1935 at the General Electric Company (GE) in Schenectady, NY. It was here that he became convinced that his "management by walking around style" was a sound management concept. David Packard left GE in August of 1938, returning to Stanford to acquire a second degree in electrical engineering.

He and his wife, Lucille Packard, nee Salter, rented a house at 367 Addison Avenue in Palo Alto. It was in the garage at the back of this house that Packard and William R. Hewlett, with capital of \$538, began part-time work in 1938. In January of the next year (1939), a partnership between Packard and Hewlett was formed. A coin toss decided the name of the company. In 1989 the garage was designated by the state of California as the birthplace of Silicon Valley.

David Packard died at the age of 83.



USU Calendar of Events



<p style="text-align: center;">25</p> <p style="text-align: center; font-size: 2em; transform: rotate(-45deg);">March</p>	<p style="text-align: center;">26</p>	<p style="text-align: center;">27</p> <p>Faculty Grand Rounds- What RIME's with COPD: Developing Learning Objectives and Preliminary Lesson Plans</p> <p style="text-align: center;">1:00p.m.-2:30p.m. USU</p> <p>Nuclear, Radiation, and High Yield Explosives</p> <p style="text-align: center;">USU</p>	<p style="text-align: center;">28</p> <p>David Packard Lecture</p> <p>Nobel Laureate Dr. Sydney Brenner</p> <p style="text-align: center;">Plenary Speaker</p> <p>Alpha Omega Alpha Informal Event</p> <p style="text-align: center;">6:00p.m.-9:30p.m. Cafeteria</p> <p>Neuroscience Semi- nar: ER Stress Modu- lates the Response of Oligodendrocytes to Inflammation</p> <p style="text-align: center;">3:30p.m. Lecture Room A</p>	<p style="text-align: center;">29</p>	<p style="text-align: center;">30</p> <p>"Control of Tumor Cell Motility by a Ras- Regulated Adhesion Protein Complex"</p> <p style="text-align: center;">noon Room A2053</p>	<p style="text-align: center;">31</p>
<p style="text-align: center;">1</p> <p style="text-align: center; font-size: 2em; transform: rotate(-45deg);">April</p> <p style="text-align: center; font-size: 1.2em; transform: rotate(-45deg);">April Fool's Day</p>	<p style="text-align: center;">2</p> <p>A human study of the vivo expression technol- ogy (IVET) to detect <i>Vibrio Cholera</i> genes expressed during infec- tion</p> <p style="text-align: center;">11:30 a.m.-1 p.m. Lecture Room A</p>	<p style="text-align: center;">3</p> <p>PubMed Basics</p> <p style="text-align: center;">noon-1 p.m. LRC</p> <p>Nuclear, Radiation, and High Yield Explosives</p> <p style="text-align: center;">USU</p>	<p style="text-align: center;">4</p> <p>EndNote Basics</p> <p style="text-align: center;">noon-1 p.m. LRC</p> <p>USU Toastmasters Meeting</p> <p style="text-align: center;">noon-1p.m. Room A2011</p>	<p style="text-align: center;">5</p>	<p style="text-align: center;">6</p>	<p style="text-align: center;">7</p>
<p style="text-align: center;">8</p>	<p style="text-align: center;">9</p> <p>Vaccines and therapies against botulism</p> <p style="text-align: center;">11:30 a.m.-1 p.m. Lecture Room C</p>	<p style="text-align: center;">10</p> <p>Neuroscience Doctoral Dissertation Defense Seminar: Repair of Neocortex in a Model of Cortical Dysplasia</p> <p style="text-align: center;">1p.m. Lecture Room B</p> <p>Nuclear, Radiation, and High Yield Explosives</p> <p style="text-align: center;">USU</p>	<p style="text-align: center;">11</p> <p>USU Toastmasters Meeting</p> <p style="text-align: center;">noon-1p.m. AFRRRI Small Confer- ence Room</p>	<p style="text-align: center;">12</p>	<p style="text-align: center;">13</p>	<p style="text-align: center;">14</p>
<p style="text-align: center;">15</p>	<p style="text-align: center;">16</p> <p>The host response to chlamydiae <i>Quo Vadis?</i></p> <p style="text-align: center;">11:30 a.m.-1 p.m. Lecture Room C</p> <p>F. Edward Hébert School of Medicine, Comman- dant's Office-Officer Professional Develop- ment</p> <p style="text-align: center;">3p.m.-4p.m. Sanford Auditorium</p>	<p style="text-align: center;">17</p> <p>Introduction to Power- Point</p> <p style="text-align: center;">noon-1p.m. LRC</p> <p>Nuclear, Radiation, and High Yield Explosives</p> <p style="text-align: center;">USU</p>	<p style="text-align: center;">18</p> <p>USU Center for Health Disparities Research and Education Infor- mation Table on Public Health will be available outside of the cafeteria across from the elevators Bldg B)</p> <p style="text-align: center;">11:30a.m.-1:30p.m. Bldg. B Lobby</p> <p>USU Toastmasters Meeting</p> <p style="text-align: center;">noon-1p.m. Room A2011</p>	<p style="text-align: center;">19</p> <p>Alternatives in Animal Research</p> <p style="text-align: center;">2p.m.-3p.m.</p>	<p style="text-align: center;">20</p>	<p style="text-align: center;">21</p>