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THE UNIVERSITY of TENNESSEE **UT**
KNOXVILLE

TOP RIGHT: THIS PIECE OF DEFAUCED FRENCH CURRENCY PORTRAYS THE DECAPITATED HEAD OF ADOLF HITLER BEING DRAGGED ALONG BY A FRENCH WORKER. CORNELL HOUSTON WWII COLLECTION, MS-1259. UT SPECIAL COLLECTIONS LIBRARY.

FAR RIGHT: MEN ABOARD THE USS YORKTOWN FIND TIME TO CELEBRATE A BIRTHDAY. OLIVER M. SUMMERS WWII COLLECTION, MS-125. UT SPECIAL COLLECTIONS LIBRARY



DIRECTOR'S NOTE

The Center for the Study of War and Society has had a wonderful year, made even more special because of three events. First, the center hosted major, nationally known speakers, noted author and journalist Bing West and prominent blogger Walter Russell Mead. Second, we were delighted to learn this spring that the center had once again received research start-up funding through the UT Office of Research. The center was the only applicant in the humanities to receive such funding, which will help us build our on-line digital archive, *Friends and Foes: Images of Allies and Enemies in World War II*. Third, Michael McConnell—a graduate student who works with the center and currently holds a fellowship at the US Holocaust Memorial Museum in Washington, DC—received a prestigious dissertation research grant for archival research in Germany on his dissertation, which focuses on World War II. Thanks to all our friends and donors for your help in making these successes possible!

—**Vejas Gabriel Liulevicius, Director**

Digital Makeover CSWS says farewell to analog

The Center for the Study of War and Society has undergone a makeover recently. Thanks to funds awarded by the Office of Research, we were able to purchase new computers, scanners, and other digital equipment. Sleek hard drives have replaced old floppy disks. Tiny digital recorders have pushed aside clunky audio-tapes. A wireless printer, digital scanner, and numerous flat-screen computer monitors signal that the center operates in the twenty-first century.

It isn't just with hardware that the center is "going digital." Jordan Kuck and Will Rall, the center's two graduate research assistants, have been working alongside the UT's Special Collections department to enter the quickly expanding field of digital education by constructing an online digital archive. The *Friends and Foes* project aims to capture the experiences of World War II veterans as portrayed through a diverse array of historical documents including letters, photographs, advertisements, magazines, and newspapers.

Most of the summer's time and effort has been geared toward scanning some unique sources housed at the university. However, these documents will not simply stand alone once the project is finished. The archive will present various



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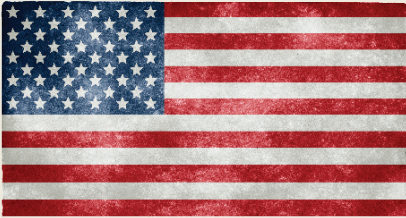
IN MEMORIAM

EUGENE E. ECKSTAM, MD, World War II, US Navy medical officer, USS LST 507; Survivor of “Exercise Tiger,” pre-D-Day invasion exercise, 28 April, 1944; German E-boats attacked, and 639 men perished; D-Day was almost cancelled. Eckstam spent two decades researching the events and tracking down survivors. The collection resides in the CSWS World War II collection at the UT Special Collections Library.

JAMES C. FARRAR, World War II, US Army, 23rd Malaria Control Unit; North Africa; Sicily, Italy.

NORMAN L. KRATSCHMER, World War II, US Army Air Corps, 8th Air Force, 390th Bomb Group, 571st Squadron; European Theater.

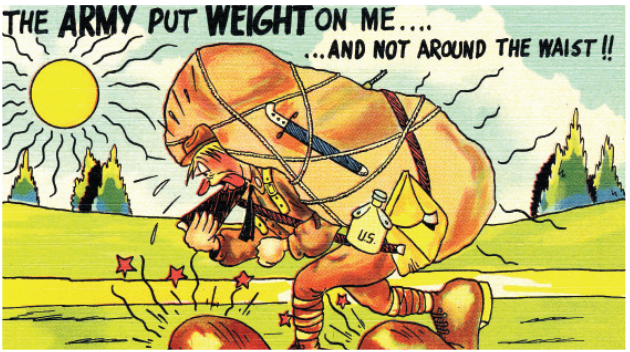
IGOR V. NABELEK, PhD, World War II; native of Czechoslovakia; was a volunteer soldier in the Slovak National Uprising of 1944 against the German army, was captured and held as prisoner until the end of the war.



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RIGHT: STAMP OUT THE AXIS TEN-CENT WAR STAMP ALBUM. A BIRTHDAY CARD INCLUDED A STAMP BOOKLET THAT FEATURED CRUDE CARICATURES OF AXIS LEADERS LIKE MUSSOLINI AND HITLER AND HIROHITO. EDWIN J. BEST WWII COLLECTION, MS-2012. UT SPECIAL COLLECTIONS LIBRARY. **BELOW:** POST CARDS, LIKE THE ONE SEEN HERE, REGULARLY MADE FUN OF THE DAILY ACTIVITIES MANY ARMY MEN EXPERIENCED DURING TRAINING. CLIFFORD EDWARD KEENAN WWII COLLECTION, MS-2075. UT SPECIAL COLLECTIONS LIBRARY.



Digital (continued)

themes focusing on different aspects of war experiences. For example, the theme *Home Front Enemies* explores how those at home interpreted the distant enemy by investigating imagery in German, American, and Australian propaganda posters. Other themes like *War and Food* and *Enemies as Symbols* will engage soldiers’ recollections of meals and interactions with maps.

The center has produced a small, prototype version of the website, utk.edu/go/ee, that focuses exclusively on World War II. In the future, the

center has ambitions to expand the site and include a wide range of other conflicts like World War I, the Vietnam War, the Korean War. The center may also expand to the Crusades in collaboration with the Medieval and Renaissance scholars at the university’s MARCO Institute.

The *Friends and Foes* online digital project is an exciting new opportunity for the Center that will help us strengthen our commitment to educating audiences about the relationship between war and society.

UT at War

UT at War, a current research focus of the center, presents excerpts highlighting the university’s 200-year military history and tradition. This issue will focus on the efforts of UT scientists during World War II, drawing upon description of wartime years from university historian Milton Klein, in the work *Volunteer Moments: Vignettes of the History of the University of Tennessee, 1794–1994*.

In labs, UT scientists utilized their skills to hasten victory over the Axis powers. Chemistry professors Clarence Hiskey and Arthur Melaven worked on a new method for processing rhenium—a rare metal that could be used in various electrical and electronic products. Agricultural engineers Harold A. Arnold and Marlay A. Sharp developed a new castor bean huller that could speed up production of castor oil, which was used as a lubricant for aircraft engines, hydraulic brakes, shock absorbers, and other mechanisms; and food technicians experimented with improving methods for food preservation.

Other members of the faculty made their wartime contributions off-campus. Alvin Nielsen of the physics department went to Ohio State University to work on infrared detection devices; Katherine Way, another young physicist, went to the US Naval Ordnance Laboratory in Washington, DC. She also went to the University of Chicago Metallurgical Laboratories, where she worked under nuclear scientists Leo Szilard, Enrico Fermi, and Eugene Wigner on a process for effecting an explosive chain reaction with U-235 and for large-scale production of plutonium for use in atomic bombs.

The Chicago laboratories were a major center for the new—and secret—Manhattan Project, established in Oak Ridge in 1942 as the Clinton Engineer Works and charged with the awesome task of producing a workable atomic bomb.

The Manhattan Project absorbed the attention of a number of UT faculty. On the UT campus in the summer of 1943,

some taught courses in a program organized for training personnel—some continued to serve in this program when a separate school for that purpose was established in Oak Ridge. Among the forty-six faculty who were granted leave or who resigned to work at the Clinton Engineer Works were four engineering professors: Julian R. Fleming, Francis R. O’Brien, Clayton R. Plummer, and Elwood D. Shipley; two engineering instructors, Ernest C. Holdredge and Charles L. Segaser; and an instructor of physics, E. T. Jurney.

Just what specific roles these individuals played in the making of the atomic bomb is unknown, but the contribution of another faculty member, William Pollard of the Physics Department, can be more fully documented. Pollard had a PhD from Rice and had been a member of the faculty since 1936. He was a specialist in the fields of cosmic rays, gas adsorption, and the theory of gas flow.

Early in the war, MIT asked UT to grant Pollard leave to work in its radiation laboratory, which was engaged in defense work for the Army and Navy. President Hoskins refused, pleading the need to keep Pollard on campus for the university’s own wartime programs. A request from the Pupin Laboratories at Columbia University late in 1943 proved more difficult to refuse, since the research was part of the atomic bomb project.

Accordingly, Pollard was granted leave in early 1944, and he worked for the remainder of the war at Columbia’s Substitute Alloy Materials (SAM) laboratory, engaged in developing the process of gaseous diffusion by which U-235 was extracted from common uranium.

For his “outstanding” service, the head of the gaseous diffusion group, Dr. Harold C. Urey, later commended Pollard. When the war ended, Pollard helped to establish the Oak Ridge Institute for Nuclear Studies (after 1966 known as Oak Ridge Associated Universities) and served as the its executive director until 1974.

YOUR SERVICE—OUR FREEDOM

In the spirit of patriotism and appreciation, all former and active duty military personnel are invited back to campus November 2–3 for Alumni Affairs’ third Veterans Reunion.

Weekend activities include: a private tour of the East Tennessee Military Memorial, ROTC program highlights, The Center for the Study of War and Society update, Homecoming parade, Recognition Dinner, and Volunteer football.

Military reunions serve to nurture the special bond which develops among men and women who serve in our armed forces. The University of Tennessee recognizes the importance of that bond and seeks to thank you for your service, sacrifice, and leadership to our country.

Join us as we salute you for making our communities, our country, and our world a safer place to live. All veterans welcome.

Details and registration information available at volsconnect.com/homecoming or by calling 865-974-3011.

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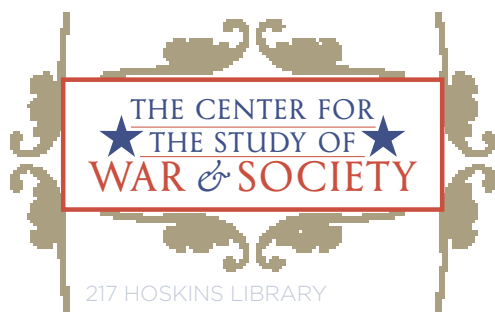
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