University responds in wake of tragedy

By Neil Schoenheit

The events of Sept. 11 will be forever etched in our hearts and minds. It was a day that will have a profound and lasting effect on our nation for years to come.

Members of the University community are coming together to help each other and to help those in need.

After hearing about the attacks, senior French and mechanical engineering double major Allison Ball helped organize a group of approximately 60 engineering students to give blood at a local drive.

“We walked out to the main sitting area in engineering student services and started to recognize the strike lines of friends in the engineering school, with time on their hands and nothing to do, since classes had been canceled,” Ball said, president of the Society of Women Engineers and peer-

ment coordinator for the School of Engineering and Applied Science. “I did the only constructive thing we could do — we started a blood drive.”

Ball’s group went to the Lutheran Church of the Resurrection in Sappington, Mo. The church’s pastor was so moved by the students giving blood that he

thanked them from the pulpit during Sunday services. He said the students gave him great hope for the future of our country.

That same attitude of caring and kindness in the face of tragedy has prevailed at the University in the midst of the scheduled. Counseling sessions have started. Food and money has been donated.

“The Washington University community has really come together in response to the tragedy,” said Mark S. Wrighton, Ph.D., chancellor of the University in the midst of the

United Way

kicks off
campaign

By Jessica N. Roberts

For the past 113 years, the United Way has helped meet the health, human service needs of millions of people through its network of volunteers and community service agencies. In order to achieve its mission of organizing people to care for one another, the United Way supports agencies with programs and services that nurture and protect families, provide education and job training, assist persons with disabilities and care for the elderly.

This year’s annual campaign has been set at $435,000, according to Chancellor Mark S. Wrighton.

“The United Way provides numerous resources for both the St. Louis and University communities,” Wrighton said. “While the United Way helps those who are most in need of help, the agency also aids children, elderly parents and many of our own co-workers, regardless of financial situation.”

The goal for this year’s campaign has been set at $435,000, according to Chancellor Mark S. Wrighton. The goal for this year’s campaign has been set at $435,000, according to Chancellor Mark S. Wrighton. The goal for this year’s campaign has been set at $435,000, according to Chancellor Mark S. Wrighton.

Students, faculty get involved in relief efforts; information on getting help

The Washington University in St. Louis

School of Art announces fall lecture series

An array of nationally known visual artists will present their work at the University this fall as part of the School of Art’s Visiting Artist Lecture Series.

All lectures are free and open to the public and begin at 7:30 p.m. in Steinberg Auditorium.

The series kicks off Wednesday with digital artist Zoe Beloff, whose work investigates cinematic imagery through a variety of media, including film, stereoscopic projection and interactive media. Her CD-ROMs “Beyond” and “Where, Where, There, There” explore themes of technology, desire, the paranormal and the birth of mechanical reproduction, while also examining the links between early cinema and the modern digital realm. Beloff has collaborated with artists from numerous disciplines, including composer John Cale and sound artist Ken Montgomery; and her work has been exhibited at the Whitney Museum of American Art, New York; The Weizman Center in Jerusalem; and Dance Heritage Coalition. Beloff has collaborated with artists from numerous disciplines, including composer John Cale and sound artist Ken Montgomery; and her work has been exhibited at the Whitney Museum of American Art, New York; The Weizman Center in Jerusalem; and Dance Heritage Coalition.

The team’s findings, which will appear in the Sept. 25 issue of the journal Proceedings of the National Academy of Sciences (PNAS), extend the record of early people taking care of the Neandertals.

The article is also posted on the PNAS Web site, www.pnas.org.

An international team of scientists, including Erik Trinkaus, Ph.D., professor of anthropology in Arts & Sciences, studied two ancient teeth and a large segment of a lower jaw. The team’s findings, which will appeal in the Sept. 25 issue of the journal Proceedings of the National Academy of Sciences (PNAS), extend the record of early people taking care of the Neandertals.

The fossils, from three different humans estimated to be about 175,000 years old (from the Middle Pleistocene period), show a stage of evolutionary development that led to the Neandertals that appeared in Europe between 50,000 to 100,000 years ago. Serge Lebed, Ph.D., associate professor in the earth sciences department at the University of Quebec in Montreal, led the team that found the fossils in the Bas de l’Aubesier, a large rock shelter in Montmestier, Vaucluse, France.

As humans spread across the Old World, they acquired regional skills earlier than thought

Pre-Neandertals developed social skills earlier than thought

By Susan Killenberg McGinn

If your image of a Neandertal is of a crude, uncaring brute, think again.

Teeth and jaw fossils found last year in southeastern France not only reinforce perceptions about how our Neandertal ancestors developed physically, but also suggest that their social and technological development was much more advanced than previously documented.

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As humans spread across the Old World, they acquired regional skills earlier than thought.
Olin students chip in with their support

by Robert Batterson

A fund-raising drive at the Olin School of Business for the Red Cross "September 11 Fund" started with a goal to raise $1,000. At press time, the drive had already netted more than $2,100.

Second-year master of business administration student Aaron Boyll hatched the idea for the Red Cross Fund in the wake of the Sept. 11 terrorist attacks. After the terrorist attacks, he said, "I was driving to Minneapolis to pick up his wife and I was thinking about how I could help while traveling on business during the Sept. 11 terrorist attacks.

So, I thought about what I could do to help and thought, 'What's stopping Olin?' " Boyll said.

By Sept. 14, he had the full support of Olin student Dean Stuart I. Greenbaum, Ph.D., and had put together an Olin team from the business school's Graduate Student Business Association (GGBSA) to help coordinate and schedule the fund-raising drive. Olin M.B.A. students Laura Vincent, Channapong Tulyasathan, Reetika Ashakh, and GBA President Angela Proctor formed the nucleus of the team.

The fund drive ran through this week in Simon Hall.

To give to Olin's September 11 Red Cross fund, checks made payable to Washington University should be sent to: Sarah McElroy, Director of MBA Student Affairs, 1 Brookings Drive, St. Louis, MO 63130, through Sept. 28. Funds will be remitted through the Red Cross to the Red Cross.

For more information, contact McElroy at 935-8391.

Law school

Student Cathi Cohn Martenova donates to the Olin School of Business' fund-raising drive for the Red Cross "September 11 Fund" Tuesday in Simon Hall. Working the table are graduate Business student Antonina Carol Chmielowski and Channapong Tulyasathan.

Law School's National Association for Public Interest Law (NAPIL) have decided to match the percentage of the September 11 Red Cross and legal aid fundraising drive across the country.

"It will be a chance to learn about the legal aid sector," said Olin School of Law student Jay Juskowitz.

For more information about the drive, contact Jen Grudnowski at jgrudnowski@wustl.edu or visit stephenson@wustl.edu. Web site: world.wustl.edu.

Getting help

In the aftermath of the tragic events of Sept. 11, the University's Office of Human Resources, Counseling and Employee Assistance Program (EAP) are available to you.

The EAP, a confidential and non-judgmental service designed to help individuals manage work and personal problems, staff and faculty have been there to support and advise those affected by the attacks for their families, their victims, their rescuers; to call and offer assistance, and to need and make suggestions for other services projects to benefit those most in need.

Chairman Mark S. Whitten said he is extremely pleased at the outpouring of support from the University community for the very reassur- ing efforts of our response during the past several days," Whitten said Sept. 14. From candlelight vigils to blood drives to community-wide informal groups of friends just being there to help, we are all in this together. Yes, there is an array of 500 different counseling services, per se, at no cost to you should they be offered by the law school in the midst of the terrible events.

For more information about the Red Cross Fund, Students seeking counseling are encouraged to call the Counseling Services - 935-6995, or 935-8097 after business hours — or visit gwu's Peer Counseling - 935-5099.

In the weeks to come, I want everyone to thank you in this community for the very reassur- ing efforts of our response during the past several days," Whitten said Sept. 14. From candlelight vigils to blood drives to community-wide informal groups of friends just being there to help, we are all in this together.

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The standard treatment for AIDS is a potent multi-drug "cocktail" that successfully combats the virus on the immune system. But patients with human immunodeficiency virus (HIV), the precursor to acquired immunodeficiency syndrome (AIDS), are stopping responding to the drug cocktail.

In the following years, two new classes of drugs were approved quickly by the Food and Drug Administration (FDA): non-nucleoside reverse transcriptase inhibitors and protease inhibitors. But even this "cocktail" of drugs was capping off the virus's ability to replicate. The result was highly advanced, untreatable therapy, commonly known as the AIDS drug cocktail.

The ACTU recognizes that the AIDS cocktail, people with AIDS now are living considerably longer and healthier lives than before. But the treatment falls short of physicians' initial expectations. The new drugs may be able to control the virus, but they are unable to eliminate it. Researchers have thus far seen that patients will have to remain on medication for the rest of their lives.

And, as has happened with the first cocktail component when taken alone for a long term, the cocktail could result in the development of drug-resistant strains of the virus that don't adhere strictly to the drug regimen.

The drugs also may not be risk-free, as they were thought in 1997, when the ACTU and at other centers started to notice a dangerous pattern of metabolic changes, the design of novel reverse transcriptase inhibitors, and highly active at the same receptor. They used these analyses to make radiation oncology is more powerful; because advances in physics and electronics enable us to plan and deliver treatments more precisely and efficiently, and because radiation therapy significantly improves outcomes in patients with cancer.

But neither of these theories have found. "We believe that the body takes advantage of the drug cocktail's side effects to keep the virus from escaping," said Organizing Committee, said Erez Levin and colleagues. "The drugs may have better, help to design drugs that we otherwise might not have found."

Marshall receives Merrifield award for peptide research

By Gil Z. Recius

Garland R. Marshall, Ph.D., professor of biochemistry and medicinal chemistry, received a special honor in mid-year: the Bruce Merrifield Award for his contributions to the study of important receptors for biopolymers such as nucleic acids and proteins. The Merrifield award is named in honor of Bruce Merrifield, Ph.D., a recipient of the 1984 Nobel Prize in Chemistry and a professor of biochemistry and a professor of biochemistry.

In 1966, Marshall became a full professor at the University of Chicago, where he worked on the development of antisense oligonucleotides and their potential as therapeutic agents. In 1997, he left Chicago to join the School of Medicine at Washington University in St. Louis, where he remains today.

Marshall is currently a professor of biochemistry at Washington University and is known for his work on the molecular biology of nucleic acids and proteins. He has written extensively on the subject, including several books and numerous papers in peer-reviewed journals.

Marshall's research focuses on the role of nucleic acids in cellular processes, particularly in relation to disease. He has made significant contributions to the understanding of how nucleic acids influence gene expression and how they can be used to treat diseases such as cancer and HIV/AIDS.

Marshall's work has been recognized with numerous awards, including the American Chemical Society's Award in Biological Chemistry and the National Academy of Sciences' Award in Molecular Biology. He was elected to the National Academy of Sciences in 1995 and received the National Medal of Science in 2000.

Marshall has also been actively involved in education, serving as a mentor to many students and postdoctoral fellows. He has mentored numerous scientists who have gone on to successful careers in academia and industry.

Marshall is a member of several scientific societies, including the American Society for Biochemistry and Molecular Biology and the International Union of Biological Sciences. He has served on the editorial boards of several scientific journals, including the Journal of Biological Chemistry and the Proceedings of the National Academy of Sciences.

Marshall has authored or co-authored over 300 research papers and has given numerous invited lectures at scientific meetings around the world. He has also served as a reviewer for many scientific journals and has contributed to several books and review articles.

Marshall's current research interests include the molecular basis of gene expression, the role of nucleic acids in disease, and the potential of nucleic acid-based therapies for treating human diseases.
**University Events**

**John MacPerrons’ music to be celebrated**

By Liam Otten

The Department of Music in Arts & Sciences will present a day-long celebration of works by noted composer John MacPerrons, professor emeritus and a former chair of the department. "Celebrating the Music of John MacPerrons" begins at 8 a.m. Sept. 29 at Edison Theatre.

Perkins is the composer of some 35 works, including two one-act operas, several songs for voice and piano, and various chamber works for chorus, chamber group and solo piano. His numerous honors include the Woodward-Wilcox Foundation Fellowship and the American Academy of Arts and Letters Award.

His work has been commissioned by the Paul Fromm Music Foundation; the new Music Circle of St. Louis; Easty Blackwood; and the Smithsonian Institution in Washington, D.C. Among others, compositions include "Music for 13 Players" and "Caprice." The program will highlight Perkins’ operatic monologue "Andrea del Sarto," which premiered in 1981 in a version conducted by Leonard Slatkin. Based on Robert Browne’s poem "Andrea del Sarto, Called the Faillies Faithful," the opera is set in del Sarto’s home in Renaissance-era Florence, and tells the future artist musing on his life, his work and his relationship with his wife. The performance will feature bass-baritone Andrew Garland and 12 instruments and is conducted by John Stewart, director of vocal activities.

Perkins appears as pianist on three of his own compositions—"Four Songs on Transience" (1987), sung by mezzo-soprano Maggie Stockley; "Lyric Variations" (1989), performed by violist Jonathan Wintz; and the world premiere of "Elegy" for viola and piano (2001), performed by violist Jonathan, who will appear as violinist. St. Louis native, Perkins graduated from Harvard University and returned to Saint Louis in 1962, serving as chair of Washington University’s Department of Music from 1970-75. He was named professor emeritus after the spring 2001 semester; this fall, he will teach a course in 16th-century counterpoint.

Tickets are $12 — $6 for seniors, students — and are available at the Edison Theatre Box Office, 935-6545, or through Ticketmaster, 800-745-3000. Sponsor: Department of Music in Arts & Sciences. For more information, call 935-4441.

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**Exhibitions**

"All Parker: Innovator in American Music" will be on display through Oct. 5. SMU Galleries, Hiram Lea Library, 935-5645.

**Film**

**Monday, Oct. 1**

6 p.m. "The Solomon Sisters." Room 218 Ridgley Hall. 935-5645.

**Tuesday, Sept. 25**

9 p.m. "The Blue Room." Room 218 Ridgley Hall. 935-5645.

**Lectures**

**Friday, Sept. 21**

10:30 a.m. "Pediatric Grand Rounds." "The History of Pediatric Heart and Lung Transplantation." Dr. F. Kondvar. Assistant proff., surgery; pediatric cardiology. $20; $10 for medical students, residents. Room 201 Childress Pavilion. 935-6010.

**Monday, Oct. 1**


**Tuesday, Sept. 25**

11:45 a.m. "ACE." All American College, 4444 Forest Park Blvd. 362-0261.

**Wednesday, Sept. 26**

8 a.m. "Chemistry and Genomics Grand Rounds." "New Genetic Approaches in Clinical and Research Settings." Dr. H. Schadt. Professor, of genetics and genomics, Genome Sciences and Genetics, Washington University School of Medicine. Cupples A0. 935-5260.

1:15 p.m. "Ethical and legal issues in the practice of psychiatry and behavioral medicine." Dr. C. Shain. Professor, Psychiatry, East Pavilion Aud., Barnes-Jewish Hospital. 935-5156.

Tuesday, Sept. 25

11 a.m. "Assembly Seminar:" "Regulatory Mechanisms in the Diabetic Eye." Dr. J. Milam. Associate proff., medicine and ophthalmology, Barnes-Jewish Hospital. 935-5285.

1:15 p.m. "Ethical and legal issues in the practice of psychiatry and behavioral medicine." Dr. C. Shain. Professor, Psychiatry, East Pavilion Aud., Barnes-Jewish Hospital. 935-5156.

Wednesday, Sept. 26

8 a.m. "Chemistry and Genomics Grand Rounds." "New Genetic Approaches in Clinical and Research Settings." Dr. H. Schadt. Professor, of genetics and genomics, Genome Sciences and Genetics, Washington University School of Medicine. Cupples A0. 935-5260.

1:15 p.m. "Ethical and legal issues in the practice of psychiatry and behavioral medicine." Dr. C. Shain. Professor, Psychiatry, East Pavilion Aud., Barnes-Jewish Hospital. 935-5156.

**Rescheduling**

A daylong symposium about the life and work of illustrator and admirer Al Parker, originally scheduled for Sept. 14, has been rescheduled for Sept. 28. For more information, see article Page 5 of the Sept. 14 Record or call 935-5455.
United Way
— from Page 1

University employees key to the success of the 2001 campaign, and I hope we can continue to be strong supporters of the United Way campaign. I would like to see the strengthening of our level of participation. I ask once again to also encourage those already contributing to support a slightly larger gift.

Faculty and staff who haven't made pledges can discuss their pledge cards in their campus mailboxes. Those who have already been making donations through payroll deductions will have been making donations to the United Way through payroll deductions will have been making donations larger gift.

Way campaign. I would like to

— from Page 1

Neandertal

Social skills developed earlier than was thought
— from Page 1

Evidence of early human behavior, specifically when the first Neandertals appeared, is scarce, but recent findings suggest that Neandertals may have possessed certain social skills that enabled them to survive in challenging environments.

The researchers analyzed a series of fossilized mandibles, focusing on the development of the mandible's anterior ramus, which is thought to be related to mastication and social behavior. The findings indicate that the Neandertals had a more robust mandible structure than modern humans, suggesting a higher level of masticatory activity and possibly a more complex social life.

This study challenges the long-held belief that early human species were unable to exhibit complex social behaviors. Instead, the results suggest that Neandertals may have been capable of advanced social cognition, which could have played a crucial role in their survival and evolution.
"Students, staff and faculty have been there to support each other; to pray for the victims, their families and rescuers; to call and offer assistance in any way that may be needed; and to make many suggestions for various service projects to benefit those most in need."

Jill Carnaghi

Student Max Holtz talks with volunteer Amanda Schonhof as he donates blood Sept. 12 in Mallinckrodt Student Center. Behind them, a throng of students, faculty and staff waits in line to give blood.

Chancellor Mark S. Wrighton addresses faculty, staff and students at a memorial service for the University community Sept. 14 at the Eric P. Newman Education Center.

Student Lara Marks signs a book of remembrance Sept. 14 in Graham Chapel.
**Notables**

**Of note**

Jeffrey D. Millerandt, M.D., Ph.D., professor of psychology and the School of Medicine, has received a five-year, $9,087,152 grant from the National Institute on Aging for research titled "Physical and Genetic Disabilities of GDNF Family Ligands." David Peters, Ph.D., the McDonnell-Douglas Professor of Engineering and chair of mechanical engineering, has received a three-year, $1,940,063 grant from the U.S. Army Research Office for his study, "To.Calculate, Model, Make, Maintain in State Space." John Lockwood, Ph.D., assistant professor of computer science, has recently completed work on "Adaptive Software Technology Demonstration and Development," a project that examines scheduling and dispatching techniques to integrate real-time tasks having strict execution limits with those having only statistical execution limits.

**Keseo receives dental alumni award**

Larson R. Keso, D.D.S., has received the 2001 Washington University Dental Alumni Distinguished Alumnus Award for his outstanding contributions to dentistry and orthodontics. Keso, a 1993 graduate of the School of Dentistry, received his doctor's degree in 1960. He returned to Oklahoma, where he has been in the private practice of orthodontics in Oklahoma City and Edmond. He returned to St. Louis in 2000 to be the chief palate team at the University of Oklahoma Children's Memorial Hospital and served on the volunteer faculty of Oklahoma's dental school.

Over the past three decades, Keso has held numerous positions in regional, national and international orthodontic organizations. He is a past president of the American Association of Orthodontists and past president of the American Board of Orthodontists. He is a member of the World Federation of Orthodontics.

Keso was named Dentist of the Year in 1997 by the Oklahoma Dental Association and received the Martin Dewey Memorial Award in 1999 from the Western Society of Orthodontists.

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**Culture of overkill will persist in attack aftermath**

The immediate threat of another terrorist attack may be over, but the long-term effects of the events of last Tuesday and the psychological implications of those events will continue to be felt. As we try to make sense of the events and move on, it is important to understand how people cope with disasters and the emotional responses that follow.

**Disasters' psychiatric effects potentially widespread**

Vitor C. Araújo, M.D., Ph.D., professor of psychiatry and the School of Medicine, is an expert on the psychiatric effects of disasters. Here she comments on psychiatric effects of disasters such as those that occurred in Oklahoma City.

A workers pick through the debris at the World Trade Center Sept. 21.

**September 21, 2001**
Robert D. Schreiber, Ph.D., guided to his own niche, now mentors others

Robert D. Schreiber, Ph.D.

Born and raised: Rochester, N.Y.

University position: Alumni Professor of Pathology and Immunology, director of the immunology graduate program and leader of theAlumniimmunology program for science made him a lifelike patient in UCSD.

Family links: Dale, sons Michael (25) and Andrew (21), daughter, Elisa (18)

Hobbies: Camping, the outdoors, traveling, photography

The Schreiber family: (back row, left to right) Elisa and Michael; (front row, left to right) Robert, Andrew and Dale.