WUSTL Mars team describes water detection at Gusev crater

By TONY FITZPATRICK

Led by WUSTL earth and planetary scientist Alian Wang, Ph.D., senior research scientist in earth and planetary sciences in Arts & Sciences, and Larry A. Harkan, Ph.D., professor of earth and planetary sciences, who died March 24, used an array of sophisticated equipment on Spirit to find that the volcanic rocks at Gusev crater near the rover’s landing site were much like the olivine-rich basaltic rocks on Earth. The researchers also found that some of the rocks possessed a coating rich in sulfur, bromine, chlorine and hematite, or oxidized iron.

The team examined three rocks and found the most compelling evidence in a rock named “Mazatzal.” The rock evidence indicates a scenario where water froze and melted at some point in Martian history, dissolving the sulfur, chlorine and bromine elements in the soil.

The small amount of acidic fluids then react with the rocks buried in the soil.

Once-a-day AIDS meds in Third World nations to be tested

By MICHAEL C. PURDY

The public perception of AIDS treatment—a cocktail of many different pills taken several times a day and sometimes even in the middle of the night—has largely been eroded in the United States, thanks to advances in drug design and delivery. Although textbook treatment guidelines still call for patients to take a few AIDS medications twice a day, many patients in industrialized countries now can keep sufficiently high medication levels in their bodies with once-daily doses.

And now, researchers in an international collaboration that includes the AIDS Clinical Trials Unit (ACTU) at the School of Medicine have begun an ambitious new study to see if this treatment paradigm can be implemented in Third World countries.

“This is the largest systematic trial of AIDS treatment to ever be conducted on a multinational stage,” said David R. Clifford, M.D., the Melba and Forest Seay Professor of Clinical Neuropharmacology in Neurology and director of the ACTU.

“It’s really quite ambitious and exciting.” Although the majority of participants in the study will be in developing nations where AIDS infection rates are much higher than in the United States, nine U.S. AIDS treatment centers, including the Washington University ACTU, also are enrolling patients.

“The fewer times a day that AIDS patients have to remember to take their medicine, the better,” Clifford said. “When patients miss scheduled doses, the virus jumps back very quickly and starts figuring out ways around the drugs. So we need to keep our foot on the virus and keep the virus nailed to the floor.

To ensure compliance, AIDS physicians will sometimes ask patients to find a friend or family member who will make sure they take their medicine, a technique called direct observation.

“If members have to watch patients take their medicine once a day, it would be very hard to do that in the Third World.”

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See Mars, Page 6
Retirees honored for 762 years of service

By ANDY CLENDENEN

In the surface, the number 762 doesn't mean a whole lot to most people. It could be the number of home runs Barry Bonds has hit during his career or 173 years of service the University's most recent retirees put in years of service. Thirty-five retirees, many of whom were in attendance, were recognized for their tenures at a luncheon hosted by Chancellor Mark S. Wrighton Sept. 14. "In 1985, we started this tradition of service," Wrighton said. "It's a way of expressing appreciation for their years of service to the University.

Traditionally, special recognitions are offered to those retirees in attendance at the luncheon who have put in at least 25 years of service with the University. This year, Benjamin Sandler (19), Beverly Fogelman (31) and Alice Becker (33) were given baskets of flowers.

"Washington University can be considered to have about more than 150 years of success because of the wonderful people who came here to work with our students and help run the infrastructure of the University," Wrighton said. "These recent retirees have seen and experienced the important work they have done here and the success they have helped bring to the University."

"I am, as always, grateful to those who have dedicated their careers to advancing Washington University," Wrighton said.

University retirees

Retires and their years of service are:

Sharon Alty (20), Richard Anderson (26), Alice Becker (29), Sharon Benjamin (25), Charlotte Castillo (23), Margaret Dass (19), Virginia Deek (19), Beverly Fogelman (31), Margaret Higginbotham (35), Betty Mach (26), Elizabeth Paul (21), Mary Gillis (19), Eda Norton (19), Wanda Harry (19), Dorothy Hanen (24), Bernard Hodson (23), Robert Kenneth (25), James King (38), Bettye Marine (35), Florencio Mais (10), James Payne (29), Mary Poe-Scott (11), Floyd Reit (16), Barbara Reiber (13), Virginia Roberts (15), Robert Park (24), Thomas Reinhart (21), Sammie Roswell (12), Benjamin Sandler (30), Robert Scherber (14), A. Catherine Schmitt (23), Paul Thiel (24), Judith Wicklund (23), Geraldine Wynne (16).

All retirees were given small plaques, presented by Wrighton; Larry J. Doyle, M.D., executive vice chancellor for medical affairs; and Dean of the School of Medicine, Barbara A. Peter, vice chancellor for finance; Bill Smith, associate vice chancellor for computing and information systems; and Edward S. Massa, Ph.D., executive vice chancellor, dean of Arts & Sciences and the Barbara and David Thomas Distinguished Professor in Arts & Sciences.

Skinker, Parkway intersection closed this weekend

From 5 p.m. today through 7 a.m. Sept. 26, the intersection of Forest Park Parkway and Skinker Boulevard will be closed. The closure coincides with the completion of the 2006-07 construction of the southwest station entrance. Although not enough, the hole will be covered with steel plates to accommodate traffic as the workers continue to work on the station entrance.

When complete, the entrance will provide a tunnel for a Mitchell Ink reader to get to either side of the tracks without being above them.

--- Andy Clendennen

Vigil professorship

Olin School of Business Dean Mahendra Gupta, Ph.D. (center), celebrates his recent installation as the inaugural Geraldine J. (left) and Robert L. Virgil Professor in Accounting and Management. Robert Virgil's contributions to the University includes serving terms as Olin School dean, vice chancellor for student affairs, executive vice chancellor for university relations and a trustee. The Virgils are involved in a number of organizations and institutions in the community. Gupta, who became the Olin School dean on July 1, has been recognized several times for his teaching with both the Reid M.B.A. and the Reid E.M.B.A. Teacher of the Year award.

Before translate the text into plain text.
Siteman opens cancer center at Barnes-Jewish St. Peters

BY GWEN ERICSON

WASHINGTON UNIVERSITY IN ST. LOUIS

Sept. 23, 2005 3

School of Medicine Update

Eye-opening discovery: Scientists use fruit fly to examine kidney development in humans

BY GWEN ERICSON

T he laws of physics combine with the mutual attraction of two proteins to create the honeycomb pattern of fruit fly eyes, according to University molecular biologist. This same combination of forces forms the delicate filtering structures of the mammalian kidney. The findings, recently reported in the journal Developmental Cell, provide a new understanding of how individual cells find their niche during organ development. They also mean that the fruit fly eye can now become a fast, inexpensive system for gaining insight into how kidney development in mammals and why development sometimes goes awry.

"We've challenged scientists who study the development of organs such as eyes and kidneys to think about physics, said Timothy Cagan, Ph.D., associate professor of molecular biology and pharmacology. "It's the developing fruit fly eye, we found that cells change shape and move into their proper placements because they want to minimize the free energy of the system."

As just one, will form a pattern in which one
water molecules, cefls with "sticky" mole-
provide a key to moving different adhesion molecules, instead of
change from an imma-
try-cell attachment and die off.

"The equivalent kidney proteins are
Roughest and Hibris are found mainly
the kidney proteins are
called Nephl and Nephron. They draw
together certain kidney-cell junctions in a
tight but porous state that filters urea and
do not widely distributed in the mammalian
body, and they have no close equivalents in the more primitive kidneys of other
kinds of organisms."

Because Roughest is strongly attracted
to Hibris, but not to other Roughest mol-
eules, the support cells are attracted to
the surfaces of the primary cells but not
to each other. In competition with its neighbor,
each Roughest-expressing support cell stretches out as far as it can along a pri-
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Lectures

Friday, Sept. 23
11:30 a.m. Pediatrist Grand Rounds. "Imaging the Cardiac Patient in the Emergency Room" by Clifton Levine, MD, professor of pediatrics, Washington University. McDonnell Medical Sciences Bldg., Rm. 203. 935-5610.


Monday, Sept. 26
10:30 a.m. Women's Soccer vs. Principia. Riepe Soccer Field. 935-5454.

6:30 p.m. Anthropology Colloquium. "Why the French Don't Like Headscarves." Barbara Schaal, Ph.D., the French & German chair, will discuss "Chaos," Oct. 26; and "Beer You Are Drinking Safe?" NOT. The series is modeled after "The Good Lecture Series." The events will begin at 7 p.m. each month. For questions or comments, 955-2629. For more information, go online to arch.wustl.edu.

Wednesday, Oct. 5
4:30 p.m. Center for the Application of Information Technology Saturday Two-day Workshop. "IT as a Service Provider." (Continues 8:30 a.m.-4:30 p.m. Oct. 1.) Cost: $1,195, reduced fees for GWU CIOs and key IT professionals. Each lecture will be on the job site. The speakers we have to date are extremely interesting to people in a relaxed, engaged atmosphere," Wichman said.

Washington University in St. Louis

2018-2019 University Events

Healy to launch architecture lecture series

Friday, Sept. 23
4 p.m. Musicians & Gender Studies. Presented by the Office of Arts & Sciences and the Center for Humanities and the Arts. Diehard Event Center, sponsored by the Performing Arts Dept. on the Menu. Cori Aud., 4565 McKinley Ave. 935-9452.


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Washington University in St. Louis
Corporate governance reforms to be examined

By Jessica Martin

For the past five years, corporate governance has undergone historic changes. In addition to new policies made mandatory by state judicialities and attorneys general, Congress adopted the Sarbanes-Oxley Act, the U.S. Securities and Exchange Commission enacted important securities law reforms, and the New York Stock Exchange and Nasdaq revised listing standards.

The world’s leading experts on corporate governance will come to the University for a conference Sept. 28-29 to discuss the impact of these changes.

The “New Corporate Governance and the Reform Work-in-Progress”—presented by the Center for Interdisciplinary Studies (CIS) and co-sponsored by the Whitney R. Harris Institute for Global Legal Studies at the School of Law—will feature panel discussions among media, business, legal, labor, academic, and governmental leaders.

They will focus on the examination of corporate governance reforms, and the American Chamber of Commerce and Industry will bring experts from around the world to bring a variety of perspectives to this conference, generating exciting discussions and insightful assessments of corporate governance reforms in the future.

Discussion topics include:
- “The Role of the CEO: Celebrity, Monarch or Manager?” presented by Dennis Kozlowski, the Henry R. Kravis Director, The Kravis Group
- “The Media and Corporate Governance: Praise or Shame?” presented by the editors of Business Ethics, University of Pennsylvania 
- “American National Perspectives” presented by the editors of Business Ethics, University of Pennsylvania

Both events will be held in the John M. Olin Auditorium of Anheuser-Busch Hall and are free and open to the public.

For more information, contact Linda McClain at 935-7988 or lmcclain@wulaw.wustl.edu.

Work, Families and Public Policy series to continue on Sept. 26

“Are You Saving Enough for Retirement?” presented by Robert A. Pollak, Ph.D., professor of law at the University of Pennsylvania Law School and SEC commissioner, will focus on “The Homecoming of American College Women: The Rise of Transnational Opportunities.”

“Making the Grade: New Estimation and Insightful Assessments of Corporate Governance.”

For more information, contact Bonnie Jo Campbell at clark59@wustl.edu or bjcampbell@wulaw.wustl.edu.

The series is sponsored by the Center for Social Development at the George Warren Brown School of Social Work, the Center for Social Science Research, and the Center for Social Science Research.

For additional information, contact Pollak (935-4918) or clark59@wulaw.wustl.edu.

Science Saturdays’ series to scan the skies

By Andy Clendeninn

With the success of the Mars rover and the recent discovery of another planet in our solar system, exploring the cosmos has come back into the public eye as people start wondering about the basic question of “What, or who, else is out there?”

Once again, University College in Arts & Sciences, in conjunction with the Department of Physics in Arts & Sciences, is offering a series of “Science Saturdays”—four lectures in October that this year surround the theme “Understanding the Universe.”

Michael Friedlander, professor of law at the American University Washington College of Law, speaks on the theme “Understanding the Universe” on Sept. 29.

“Next technologies, more sensitive ways of detecting light, infrared, X-rays and gamma rays. Greater ambition and vision. An intrigue of puzzles,” asks Friedlander in this fall’s lectures, we will provide some background information on a popular level, with no math.

“Fundamentally to all of astronomy is the measurement of distances, and this will be the subject of the first lecture. In the following lectures, we will describe various measurements and the objects we observe— stars, galaxies and cosmology, the largest-scale picture of our universe.”

The lectures are free and open to the public and will take place from 10:15-11:30 a.m. in Crow Hall, room 201.

For more information, call 935-6691; sherrad@wustl.edu.

Poets Crawford, Ramke for writing Program Reading Series

Scottish poet and scholar Robert Crawford will read from his work at 4 p.m. on Monday, Sept. 26, in Anheuser-Busch Hall’s Ramey Hall Lounge to open the series and to open the public and will take place at Transylvania, and the Franklin College of Arts & Sciences.

Crawford is the author of the following poetry collections: A Scottish Assembly (1990), Talkeer (1992), The Language of Motion (1993), and The Language of Motion (1995). He has also written several volumes of literary criticism, including The Scottish Poetry Tradition (1991). He is the co-editor of The Penguin Book of Poetry from Scotland (1990). He also co-authored The Penguin Book of Scottish Verse (with Mick Insal, 1990), which was published in 1993.

Crawford describes the theme for this fall’s series as “A New Transnational Poetry: Generation, Territoriality, and the Question of Modernity in the Universe.”

The series is sponsored by the Center for Social Development at the George Warren Brown School of Social Work, the Center for Social Science Research, and the Center for Social Science Research.

Robert A. Pollak, Ph.D., the Henry R. Kravis Director, the Center for Social Development at the George Warren Brown School of Social Work, has been the lead organizer of the series for the past eight years. The co-organizer of the series is Michael W. Sherraden, Ph.D., the Benjamin E. Youngdahl Professor of Social Work, and the lead organizer of the series for the past eight years. The co-organizer of the series is Michael W. Sherraden, Ph.D., the Benjamin E. Youngdahl Professor of Social Work, and the lead organizer of the series for the past eight years.

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program was the only known partnership between a public and private university to offer an undergraduate and graduate degree to nontraditional students who are place-bound. The program appeals to a broad range of students, especially those who want to pursue engineering for lack of time and/or resources.

Byrne is a systems science and control. Among his research interests are feedback systems, automatic control, nonlinear estimation, singular perturbation, and estimation and filtering. He has applied his research over two decades in areas of electrical power systems, signal processing and control, and telecommunications, among other areas. Byrne is a native of New York City. He earned a bachelor's degree in mathematics from Manhattan College in 1971 and master's and doctoral degrees, also in mathematics, from the University of Massachusetts in 1973 and 1974, respectively. He began his academic career as an instructor of mathematics at the University of Utah in 1974. He joined the Harvard University faculty in 1978 as an assistant professor with a joint appointment in the Department of Mathematics and the Division of Applied Science. He was promoted in 1983 to associate professor on the Gordon McKay Endowment. He also holds a joint appointment in the Division of Engineering and Applied Sciences. He has been an associate professor at the University of Texas, in Istanbul, Turkey, and was a professor in 1985, 1991 and 2001. In 2001, Byrne was installed as a foreign member of the Royal Swedish Academy of Engineering Sciences.

Byrne’s interests are related to the development of an internationally recognized research program in networking and telecommunication and started a very popular and highly recognized research program in networking internationally recognized research program in networking and telecommunication and started a very popular and highly recognized research program in networking and telecommunications and started a very popular and highly recognized research program in networking and telecommunications. In addition, he has been involved in the development of the Department of Computer Science.

IN 2001, BYRNE WAS INSTALLED AS A FOREIGN MEMBER OF THE ROYAL SWEDISH ACADEMY OF ENGINEERING SCIENCES.

The school has developed an interdisciplinary Engineering in 1997. In 1990, he was an adjunct professor and chair of earth and planetary sciences. He has been an advisor to the director of the Center for Emerging Technologies in St. Louis.

A fellow of the Institute of Electrical and Electronics Engineers, Byrne has written numerous best-seller awards, the most recent 2005 NCTE and Jaisi Prize, of one of the most prestigious in the field of differential equations and control theory.

In a comic piece written by Andy Clendennen, the dozen short pieces in Words of Choice touch upon a wide panorama of modern lives. In one piece, a father describes his feelings about losing his son's purity; in another, a political figure speaks of his feelings about the change of his career; in another, a doctor expresses his feelings about the change of his career. In yet another piece, a writer describes his feelings about the change of his career. Changes in the way people talk about their lives are seen in these pieces.

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Obituary: William C. Jones, Nagel professor emeritus in law school

William C. Jones, J.S.D., the Charles E. Nagel Professor Emeritus of International and Comparative Law, died Friday, Sept. 16, 2005, after a brief illness. He was 79.

Jones was an internationally acclaimed scholar on Chinese law. He translated the latest major imperial Chinese legal code — "The Great Qing Code" — and the first precursor of the civil code of the People's Republic of China — "The General Principles of the Civil Law." Jones also authored a popular legal reference book "Basic Principles of Civil Law." Bill Jones was a quintessential scholar, a dedicated teacher and a wonderful colleague," said Dorey D. Ellis Jr., J.D., the William R. Orthwein Distinguished Professor of Law. "He was self-effacing, soft-spoken and considerate of others. Everyone who knew him considered him a dear friend." Jones joined the School of Law in 1955 as an assistant professor. During his 40 years teaching at the University, Jones served as a lecturer for the International Association for Teaching Comparative Law, a visiting professor or scholar at universities around the world, and a Fulbright lecturer at Wu Han University in China.

Prior to his appointment at the University, Jones was a research associate at the University of Chicago and an attorney for the U.S. Department of the Interior. He earned an L.L.B. from Harvard Law School, and an LL.M. and doctorate of juridical science from the University of Chicago.

Outside Washington University, Jones was a devoted member of the Church of Christ, Scientist. He also enjoyed attending cultural events around St. Louis with his wife, Joan Engstrom Jones. A memorial service will be held Sept. 24 in the Bryan Cave Mont Courtroom of Anheuser-Busch Hall.

The Whitney R. Harris Institute for Global Legal Studies also will host a public memorial event during its Nov. 11-12 work- shop on Chinese law. The workshop will feature the inaugural presentation of the Robert W. Corner Jones keynotes address.

Advice and Consent: The Politics of Judicial Appointments

Lori Watt named fourth Harbison faculty fellow

Lori Watt, Ph.D., assistant professor of history and of International and Area Studies, both in Arts & Sciences, has been named the fourth Earle H. and Suzanne S. Harbison Faculty Fellow. The fellowship provides research and teaching support for three years to a talented junior faculty member in Arts & Sciences.

"I am delighted to recognize Lori Watt with this fellowship and to support the development of her career," said Edward S. Mason, Ph.D., executive vice chancellor, dean of Arts & Sciences and the Benjamin David Thomas Distinguished Professor of Arts & Sciences. "Her interests and ideas bring exactly the sort of excitement to Washington University that helped when the fellowship was conceived. Senior faculty have been especially impressed with Professor Watt's interest in interdisciplinary collaboration and look forward to working with her.

Watt said she is "delighted that the fellowship will allow her to do research in Japan, China and Korea in support of her writing on East Asian history.

"But the real pleasure was in the recognition from the University," she said. "It was nice to learn that Washington University appreciates the kind of contributions that I am able to make to the university.

"The award is also significant in that it connects me more closely to international work of the types that I am interested in doing."

Watt was established in 1995 by Earle H. Harbison, who graduated from Washington University in 1948 with a bachelor's degree in political science, and his wife, Suzanne Siegel Harbison, who earned a degree from the John M. Olin School of Business in 1949.

Earle Harbison is chairman of Harbison & Co., a Houston-based firm. He is chair of the Arts and Sciences National Council and an emeritus trustee on the University's Board of Trustees.
Despite retiring in 2001, Jerome Sincoff remained a consultant for HOK and had even served a term as president of The Saint Louis Art Museum’s Board of Commissioners. Then, as 2004 was winding down, Chancellor Mark S. Wrighton called Sincoff to fill him on the changes happening at the school of Architecture and Art. The rest is a still-forming history.

From designing to developing projects

Renowned designer Jerry Sincoff returns to his roots to lead Architecture

Mobile, BP and Bristol-Myers Squibb, St. Louis, Sincoff led the $150 million renovation of historic Union Station and developed headquarters for Nestle Purina, the American Zinc Co. and Community Federal Savings & Loan (the latter building now home to Edward Jones), among others. In 2004, he was inducted into the University City High School Hall of Fame.

Sincoff was born at St. Mary’s Hospital on Clayton Road, less than a mile due south of his current office in Givens Hall. His mother, Elsa, sold dresses for Famous-Barr Downtown. His father, Morris, was “a classic traveling salesman,” selling certain and drapes for a firm in Washington’s bustling textiles district.

The young family lived in a third-floor walk-up on the 3400 block of the Hi-Pointe Theatre but moved to University City when Sincoff was in third grade. He drew constantly, a fact he sees as being scolded for not properly attending other lessons. In high school, he took vacational drawing offered, from art and shop to mechanical drawing.

“I was very visual, especially about things that were built,” Sincoff muses. “I liked them. I appreciated them. I thought they were interesting.”

During his senior year, Sincoff entered a regional design competition sponsored by the St. Louis Home Builders Association, Top prize: A scholarship to Washington University’s School of Architecture. Amazingly, co-won and two classmates placed second and third. (One of them, William Stewart, also became a noted architect.)

Sincoff arrived on campus in 1951. He was soon impressed by the legendary Buckminster Fuller, a visiting professor of architecture, and spent much of his sophomore year helping to construct a collection of wooden versions of Fuller’s famous geodesic dome.

“We were actually able to do it,” Sincoff recalls. “It took a long time, the shop was very busy and one person lost a finger, but we got the thing built. It worked and it was spectacular.”

Another influence was future architecture dean Joseph Pasonness, who arrived Sincoff’s senior year. “The first day of classes, a couple of us were in the studio playing chess when this guy walked up and asked for a game,” he was famous, “He won in about 10 moves.”

Yet the early ’50s were also the height of the Korean War and Sincoff, hoping to become a pilot, enlisted in the Air Force ROTC. Upon finishing his degree, in 1956, he reported to camp but was discharged in 1959, Sincoff arrived on campus in 1951. He was soon impressed by the legendary Buckminster Fuller, a visiting professor of architecture, and spent much of his sophomore year helping to construct a collection of wooden versions of Fuller’s famous geodesic dome.

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Meanwhile, Sincoff was emerging as a key member of HOK’s architectural design team, rising from project architect to vice president, office-managing principal and corporate vice chairman.

It was an exciting time for the company, which overseas international clients in the city of the stars, part of a $56.8 million improvement to art and design facilities.

Sincoff, who remained deeply involved with his alma mater, was a savvy choice to follow Wenz.