Washington University Record, December 6, 2002

Follow this and additional works at: https://digitalcommons.wustl.edu/record

Recommended Citation
https://digitalcommons.wustl.edu/record/952.

This Article is brought to you for free and open access by the Washington University Publications at Digital Commons@Becker. It has been accepted for inclusion in Washington University Record by an authorized administrator of Digital Commons@Becker. For more information, please contact vanam@wustl.edu.
University College in Arts & Sciences has seen a huge upswing in enrollment. Here, instructor Jason Mabry (top left) works with students (clockwise from top) Sherry Holmes, coordinator, student technology services; Cynthia Bowdry, administrative assistant in public affairs; Scott Bonner, technical assistant in public affairs; and George McMurray, animal caretaker in the Department of Biology in Arts & Sciences, in their "Present Moral Problems" philosophy class in Arts & Sciences.

"Bear Cub Fund" — in which individual awards will be made available to University faculty — is to support research or development that is designed to extend basic observations to make them more attractive for licensing by commercial entities, or to serve as the "foundational" for a startup company. "I think our primary function with this fund is to add value to our current technologies so they will be more attractive to potential licensees," said Theodore J. Cicero, Ph.D., vice chancellor for research. "More importantly, we might actually be able to do some platform technologies, which could form the basis for a startup company that would be housed in the St. Louis region and have an enormous impact on the St. Louis community."

University researchers have many basic observations or concepts that have been patented and have commercial potential, either through licensing or the formation of a startup company. But often, further studies are required to fulfill the "proof of concept" required by most investors. "Because the University is a nonprofit institution receiving federal support, it can't fund further research to satisfy proof of concept from federal research funding. Rather, nonfederal or private sources of money are needed to make that happen."

Now, the University has a nonfederal source for those efforts. "Chancellor Mark S. Wrighton and I have been discussing this research development fund for the last three or four years, and this was the first time we've had some money available," Cicero said. "We're really hoping it will permit us to bring technology much more rapidly to the commercial sector than it is right now."

"We want to enhance the commercial appeal of the technologies either in terms of licensing by a company, or potentially more exciting for us is the potential that this could form the basis for a startup company."

Individual awards of $20,000.

See Bear Cub, Page 6

Is assisted reproduction linked to birth defects?

By Kimberli Layton

Scientists from Washington University and Johns Hopkins universities have discovered that in vitro fertilization (IVF) appears to be associated with a rare combination of birth defects characterized by excessive growth of various tissues. After studying data from a national registry of birth defects, Beuladonna-Wiedmann Symposium, the researchers found that IVF-initiated conception was six times more common in those patients than in the general population. The findings are slated to be published in the January issue of the American Journal of Human Genetics.

"Children born with BWS — which may predispose them to tumors, hepatoblastoma, neuroblastoma or other cancers — would likely represent only a tiny fraction of babies conceived via IVF. The findings suggest that for many, the researchers emphasized. "The results should stimulate future investigation — to change prospective parents' decisions — that stressed: "At this point, we simply have a strong association between BWS and IVF," said lead author Michael R. DeBaun, M.D., assistant professor of pediatrics. "We need additional data to verify our findings, and if confirmed, to understand why there is an association.”

"This analysis should not affect people's decisions about whether to have IVF, because our findings still need to be validated," added co-author Andrew Feinberg, M.D., the King-Fabry Professor of Medicine and director of the Genetic Medicine Laboratory at Johns Hopkins.

See Defects, Page 6

Watson among ‘The 50 Most Important Women in Science’

By Susan Killenberg McGeen

Patty Jo Watson, Ph.D., the Richard N. Keck Distinquished University Professor of anthropology in Arts & Sciences, has been named one of "The 50 Most Important Women in Science" by Discover magazine.

Featured in an article in the magazine’s November issue, Watson is recognized for her path-breaking work in case archaeology and for helping introduce the scientific method into archaeological studies.

In describing Watson’s research, Discover Associate Editor Kathy A. Swift wrote: "For more than 2,000 years, Native Americans forged into the deep chambers of Kentucky’s vast Mammoth Cave system. Watson has spent four decades tracking their movements and shifting through their refuse: charred bones, and the seeds, nuts, and other bits of food in paleo-fecal deposits, searching for the best qualitative and quantitative data for an early agricultural complex in North America." The selection of Watson and the 49 other "extraordinary women seen across all the sciences" was the result of a project Discover started three years ago to look into the status of women in science.

"To read their stories is to understand how important it is that the barriers facing women in science be broken down as quickly and entirely as possible," Swift wrote in the article introducing the 50 scientists. “It just so happens that these women had gotten fed up.

See Watson, Page 5
Individual Development Account experts gather for conference

By Jessica N. Roberts

Individual Development Account (IDA) experts gathered for a conference last week at a conference, sponsored by the IDA policy advocacy and development, state program development, and advocacy and development, at the Chase Park Plaza.

The conference was organized by the Center for Social Development (CSD) at the Georgia Warren Brown School of Social Work and the Corporation for Enterprise Development (CED).

The goal of the meeting was to continue to develop and strengthen on-site level support for IDAs by creating a framework for building the capacity and knowledge of key state IDA policy leaders.

IDAs are high-impact investment accounts that allow low-income families to save money for major expenditures—a home, college education for their children or a new business. Much as employer matches deposits in employee retirement accounts, financial institutions, foundations, charities and state and local governments will match deposits that IDA "matches" for its clients.

The conference was organized by the Center for Social Development (CSD) at the Georgia Warren Brown School of Social Work and the Corporation for Enterprise Development (CED).

This year’s meeting included discussions of how state IDAs match deposits of IDA policy and program issues.

"The conference gave over 100 people from 37 states plus the District of Columbia and Puerto Rico an opportunity to discuss IDA policy," said Gena Guan, CSD project assistant and co-organizer of the conference.

"This annual conference is the only one of its type offered in the world. There are a few "how-to" IDA meetings, but there are none that offer a venue for exchange of policy information and ideas between IDA policymakers and advocates," said Karen Edwards, CSD project coordinator, who served as conference co-organizer and gave presentations on statewide policy trends and implications.

Michael W. Sherraden, Ph.D., the Benjamin E. Mays Professor of Social Development and CSD director, delivered the keynote address.

Weather info available from media, Web page

If a severe snow or ice storm causes the University’s offices to be closed, the normal work and school schedules, an announcement will be posted on the University’s home page (wustl.edu) and a number of other media will air an announcement.

Media outlets that air such announcements are KSRE-TV Channel 4, KTVI-TV Channel 2, KDNL-Channel 5, KMOV-TV Channel 2, KSDK-TV Channel 5 and KTVK-TV Channel 11.

For the Hilltop Campus, the ID number is 123-456; for the Central Campus, the ID number is 123-456-789. If there is a closing or cancellation, the announcement will be made a few minutes after you enter the ID number.

All ETRIO snow-closing announcements will be erased from the system between 2:30 p.m. and 9 a.m. the following day.

This annual conference is the only one of its type offered in the world. There are a few "how-to" IDA meetings, but there are none that offer a venue for exchange of policy information and ideas between IDA policymakers and advocates," said Karen Edwards, CSD project coordinator, who served as conference co-organizer and gave presentations on statewide policy trends and implications.

Michael W. Sherraden, Ph.D., the Benjamin E. Mays Professor of Social Development and CSD director, delivered the keynote address.

Weather info available from media, Web page

If a severe snow or ice storm causes the University’s offices to be closed, the normal work and school schedules, an announcement will be posted on the University’s home page (wustl.edu) and a number of other media will air an announcement.

Media outlets that air such announcements are KSRE-TV Channel 4, KTVI-TV Channel 2, KDNL-Channel 5, KMOV-TV Channel 2, KSDK-TV Channel 5 and KTVK-TV Channel 11.

For the Hilltop Campus, the ID number is 123-456; for the Central Campus, the ID number is 123-456-789. If there is a closing or cancellation, the announcement will be made a few minutes after you enter the ID number.

All ETRIO snow-closing announcements will be erased from the system between 2:30 p.m. and 9 a.m. the following day.

This annual conference is the only one of its type offered in the world. There are a few "how-to" IDA meetings, but there are none that offer a venue for exchange of policy information and ideas between IDA policymakers and advocates," said Karen Edwards, CSD project coordinator, who served as conference co-organizer and gave presentations on statewide policy trends and implications.

Michael W. Sherraden, Ph.D., the Benjamin E. Mays Professor of Social Development and CSD director, delivered the keynote address.

Weather info available from media, Web page

If a severe snow or ice storm causes the University’s offices to be closed, the normal work and school schedules, an announcement will be posted on the University’s home page (wustl.edu) and a number of other media will air an announcement.

Media outlets that air such announcements are KSRE-TV Channel 4, KTVI-TV Channel 2, KDNL-Channel 5, KMOV-TV Channel 2, KSDK-TV Channel 5 and KTVK-TV Channel 11.

For the Hilltop Campus, the ID number is 123-456; for the Central Campus, the ID number is 123-456-789. If there is a closing or cancellation, the announcement will be made a few minutes after you enter the ID number.

All ETRIO snow-closing announcements will be erased from the system between 2:30 p.m. and 9 a.m. the following day.

This annual conference is the only one of its type offered in the world. There are a few "how-to" IDA meetings, but there are none that offer a venue for exchange of policy information and ideas between IDA policymakers and advocates," said Karen Edwards, CSD project coordinator, who served as conference co-organizer and gave presentations on statewide policy trends and implications.

Michael W. Sherraden, Ph.D., the Benjamin E. Mays Professor of Social Development and CSD director, delivered the keynote address.

Weather info available from media, Web page

If a severe snow or ice storm causes the University’s offices to be closed, the normal work and school schedules, an announcement will be posted on the University’s home page (wustl.edu) and a number of other media will air an announcement.

Media outlets that air such announcements are KSRE-TV Channel 4, KTVI-TV Channel 2, KDNL-Channel 5, KMOV-TV Channel 2, KSDK-TV Channel 5 and KTVK-TV Channel 11.

For the Hilltop Campus, the ID number is 123-456; for the Central Campus, the ID number is 123-456-789. If there is a closing or cancellation, the announcement will be made a few minutes after you enter the ID number.

All ETRIO snow-closing announcements will be erased from the system between 2:30 p.m. and 9 a.m. the following day.

This annual conference is the only one of its type offered in the world. There are a few "how-to" IDA meetings, but there are none that offer a venue for exchange of policy information and ideas between IDA policymakers and advocates," said Karen Edwards, CSD project coordinator, who served as conference co-organizer and gave presentations on statewide policy trends and implications.

Michael W. Sherraden, Ph.D., the Benjamin E. Mays Professor of Social Development and CSD director, delivered the keynote address.

Weather info available from media, Web page

If a severe snow or ice storm causes the University’s offices to be closed, the normal work and school schedules, an announcement will be posted on the University’s home page (wustl.edu) and a number of other media will air an announcement.

Media outlets that air such announcements are KSRE-TV Channel 4, KTVI-TV Channel 2, KDNL-Channel 5, KMOV-TV Channel 2, KSDK-TV Channel 5 and KTVK-TV Channel 11.

For the Hilltop Campus, the ID number is 123-456; for the Central Campus, the ID number is 123-456-789. If there is a closing or cancellation, the announcement will be made a few minutes after you enter the ID number.

All ETRIO snow-closing announcements will be erased from the system between 2:30 p.m. and 9 a.m. the following day.

This annual conference is the only one of its type offered in the world. There are a few "how-to" IDA meetings, but there are none that offer a venue for exchange of policy information and ideas between IDA policymakers and advocates," said Karen Edwards, CSD project coordinator, who served as conference co-organizer and gave presentations on statewide policy trends and implications.

Michael W. Sherraden, Ph.D., the Benjamin E. Mays Professor of Social Development and CSD director, delivered the keynote address.

Weather info available from media, Web page

If a severe snow or ice storm causes the University’s offices to be closed, the normal work and school schedules, an announcement will be posted on the University’s home page (wustl.edu) and a number of other media will air an announcement.

Media outlets that air such announcements are KSRE-TV Channel 4, KTVI-TV Channel 2, KDNL-Channel 5, KMOV-TV Channel 2, KSDK-TV Channel 5 and KTVK-TV Channel 11.

For the Hilltop Campus, the ID number is 123-456; for the Central Campus, the ID number is 123-456-789. If there is a closing or cancellation, the announcement will be made a few minutes after you enter the ID number.

All ETRIO snow-closing announcements will be erased from the system between 2:30 p.m. and 9 a.m. the following day.

This annual conference is the only one of its type offered in the world. There are a few "how-to" IDA meetings, but there are none that offer a venue for exchange of policy information and ideas between IDA policymakers and advocates," said Karen Edwards, CSD project coordinator, who served as conference co-organizer and gave presentations on statewide policy trends and implications.

Michael W. Sherraden, Ph.D., the Benjamin E. Mays Professor of Social Development and CSD director, delivered the keynote address.
There are many mainstay clinicians, about half of whom expect at least one UTI in their lifetime and 20 percent to develop recurrent infections. UTIs begin when bacteria gain a foothold on cells lining the kidneys or bladder and grow into colonies. They latch onto cells using tiny fibers known as pili. Similar fibers also are produced by bacteria responsible for a variety of gastric, respiratory and other infections.

The fibers are made up of identical individual pieces, or subunits, linked together like plastic snap beads.

Earlier work by Hultgren and Waksmann found that as each subunit is made within a bacterium, it is joined to another molecule known as a chaperone. Chaperones are proteins present in all living cells, and — as their name implies — protect other molecules from trouble. In this case, they should subunit proteins from interacting with one another at the wrong time and place.

The present study, however, found that the chaperones here also play a key role in fiber assembly.

The crystallographic images revealed that each subunit molecule contains a deep groove. The images further showed that an edge of the chaperone molecule fits into this groove and holds it open. The chaperone-subunit pair then shuttles to a place at the bacterial membrane where pilus are assembling. There, the chaperone slips free of the subunit and is replaced by a tail-like strand projecting from another subunit at the base of the growing fiber. The strand fits into the groove, locking the subunit down in a bun. With the chaperone no longer holding the groove open, the edge of the "bun" snaps shut around the strand, firmly locking two subunits together. This way, the fiber grows longer one "snap bead" at a time.

Discovering that the fibers consist of interacting subunits allows why bacterial pilus are so durable and able to resist harsh conditions in the laboratory, Hultgren said.

Researchers now are working to develop drugs that will block the fiber-assembly process. When preventing the binding of cells, the bacteria could be swept more readily from the urinary tract and prevented from forming colonies.

This collaboration is an example of microbiology, biochemistry and biology coming together in a beautiful and complementary fashion," Waksmann said. "As a result, we now have a much better idea of how bacteria cause disease, and this knowledge may lead to new and better treatments for UTIs and other bacterial diseases."
Exhibitions


Lectures

Friday, Dec. 6

Monday, Dec. 9

Friday, Dec. 13
4 p.m. Immunology Research Seminar Series. 'Protein Interactions.' The Role of Sir2 NAD-dependent Histone Deacetylase and NAD Biosynthesis in the Pathogenesis of Caenorhabditis Elegans. Samuel A. Santoro, prof. of biological sciences. Castellino Lab. 105 McKinley Ave. 362-7043.

Thursday, Dec. 12

The art of grace and balance... Visit the WUDT website (www.wustl.edu/calendar) for more events. For more information, call 935-6543.

The art of grace and balance... Visit the WUDT website (www.wustl.edu/calendar) for more events. For more information, call 935-6543.

Washington University in St. Louis


designed and produced by

Washington University in St. Louis

that's a wrap

Students from (left) Josh Kowitt, Josh Isaacs and Suman Adhya wrap donated presents for the Give Thanks Give Back campaign. The University donated more than 75 families as part of the program, which works with the 100 Neediest Cases to support families in need during the holiday season. This year, before no single organization in the St. Louis region ever had adopted more than 40 families in a season.
There's room at the University's table

Many students and faculty were not able to leave the University during the Thanksgiving break. But that didn't stop anyone from enjoying the holiday. At top, Nicholas Dophuch, Ph.D. (left), the Hubert C. and Dorothy R. Moog Professor of Accounting in the School of Business, serves Kausuzy Yoshikusa, a graduate student in accounting, at the school's sixth annual Thanksgiving Day celebration in the Charles F. Knight Executive Education Center. And above, Philip M. Freeman, Ph.D. (right), assistant professor of classics in Arts & Sciences, talks with RJ Holmes, residential college director in Koenig Residence Hall, and graduate student Anna Beato during a dinner hosted by Freeman in Lien House on Thanksgiving Day. More than 60 students participated. Freeman and his family are participants in the University's Faculty Family program and live in Gregg House.

Watson

Almost legendary figure in the field of archaeology

From Page 1

and quite as many do, the history of science would have been impoverished.

Watson said that while she did not experience any overt discrimination during her graduate-stu-
dent and early career days, she did become aware of problems women scientists faced once she started doing research in North America.

"I heard stories and observed myself the problems women had in getting tenure, visibility and field experiences," Watson said.

There were a few male archaeologists in the United States as recently as the 1980s who — as a matter of principle — did not take women into the field. "Only women need apply.'"

"That blatant discrimination has gone now, so far as I am aware, and there are many more women getting advanced degrees in archaeology than was the case 30 years ago and before," she added. "But, of course, because of the decades of discriminatory, endocentric and sexist nature of field archaeology in some places, most of the senior, prestigious positions in academic archaeology are held by men. And there is still the proverbial "chilly climate" syn-
drome in some places — women aren't denied, but they are made in subtle ways to feel unwelcome."

Fortunately, in Watson's 40-
plus-year career, she's felt only the chilly climate of deep, dark caves.

Watson, who joined the Washington University faculty in 1969, has conducted ground-
breaking fieldwork on agricultural origins in both the New East and North America. She began her career excavating prehistoric sites in Iraq, Iran and Turkey, and then shifted her primary focus to North America, where she has

Soap filmed at University air to Dec. 12-13

F

scores of the soap operas "The World Turns" featuring scenes filmed on the Hilltop Campus Sept. 27 will be broadcast on Dec. 12-13 on CBS.

"The methods (Watson) has developed have no less than revolutionized the way research is conducted in her field ... She is also a splendid mentor and teacher ... She does it all, and in the process, enriching and advancing her field as well as Arts & Sciences." EDWARD S. MACIAS

A member of both the American Academy of Arts and Sciences and the Na-
tional Academy of Sciences and a fellow of the American Association for the Advancement of Science.

Other recent honors for Watson include election to the prestigious American Philosophical Society, the Gold Medal for Distinguished Archaeological Achievement from the Archaeological Institute of America, the Science Award from the National Speleological Society, and the University's Arthur Holly Dunnington Award.

In 1995, she was one of six women scientists featured as role models in a PBS television series called "Discovering Women." A scholar of both Old World and New World archaeology, Watson has authored or co-authored seven books and nearly 100 scholarly articles and co-edited three books. She continues to study archaeological remains from caves and shell middens in Kentucky and Tennessee.

Volleyball advances to 11th Final Four

The Bears men's basketball team defeated top-ranked California State University, Hayward, in the NCAA Division III quarterfinals Nov. 23 at the Field House. With the win, the Bears (46-1) advanced to the 11th Final Four in as many years.

The Bears open the Final Four with No. 4 Trinity University at 4:30 p.m. today, while No. 5 Johns Hopkins College and No. 6 and host — University of Wisconsin-

Whitewater meet in the other semifinal. The losers meet in the third-place match at 4:30 p.m. Dec. 7, while the winners meet for the national title at 7 p.m. The Bears now rank second all-
time in NCAA Division III with 54 NCAA Tournament wins and 11 Final Four appearances.

Other updates

The No. 1 men's basketball team is off to a flying start, winning each of its five games. The first game of the season saw the Bears win the 19th Annual Logan Classic at the Field House by beating Welseyan University 91-63, then beating Point Park-Ferrer College 77-44 in the championship game. The wins continued in the second week, as the Bears beat the University of Dallas 91-72 on Nov. 20, defeated two teams at the Trinity University Classic in San Antonio. The Bears defeated Southwestern University 70-64 Nov. 28 and held on for a 68-65 win against Trinity Nov. 30. Chris Jeffers earned all-tournament honors in both games.

Watson, who joined the Washington University faculty in 1969, has conducted ground-
breaking fieldwork on agricultural origins in both the New East and North America. She began her career excavating prehistoric sites in Iraq, Iran and Turkey, and then shifted her primary focus to North America, where she has

Earth and Planetary Sciences Building

The concrete foundation and underground plumbing continue to take shape. Earthwork at the periphery of the foundation walls is complete. Structural concrete work will continue for the next three weeks.

Construction Update

Construction Update is published periodically and provides information about the major University facility projects on the Hilltop, Medical and West campuses. Information is provided to the Record by facility managers.

Earth and Planetary Sciences Building

The concrete foundation and underground plumbing continue to take shape. Earthwork at the periphery of the foundation walls is complete. Structural concrete work will continue for the next three weeks.

Phase III Housing

Installation of the frame continues with structural steel. The interior systems and the load-bearing walls are complete, and the frame is on the second floor. The chimney stack was set Nov. 13. Work on overhead runs continues on the lower level.

276 N. Skinker

The complete parking lot and the loading dock are in place. The building is complete, and the building is on schedule for next month.

Construction Update

Construction Update is published periodically and provides information about the major University facility projects on the Hilltop, Medical and West campuses. Information is provided to the Record by facility managers.

Earth and Planetary Sciences Building

The concrete foundation and underground plumbing continue to take shape. Earthwork at the periphery of the foundation walls is complete. Structural concrete work will continue for the next three weeks.

Phase III Housing

Installation of the frame continues with structural steel. The interior systems and the load-bearing walls are complete, and the frame is on the second floor. The chimney stack was set Nov. 13. Work on overhead runs continues on the lower level.

276 N. Skinker

The complete parking lot and the loading dock are in place. The building is complete, and the building is on schedule for next month.

Construction Update

Construction Update is published periodically and provides information about the major University facility projects on the Hilltop, Medical and West campuses. Information is provided to the Record by facility managers.

Earth and Planetary Sciences Building

The concrete foundation and underground plumbing continue to take shape. Earthwork at the periphery of the foundation walls is complete. Structural concrete work will continue for the next three weeks.

Phase III Housing

Installation of the frame continues with structural steel. The interior systems and the load-bearing walls are complete, and the frame is on the second floor. The chimney stack was set Nov. 13. Work on overhead runs continues on the lower level.

276 N. Skinker

The complete parking lot and the loading dock are in place. The building is complete, and the building is on schedule for next month.

Construction Update

Construction Update is published periodically and provides information about the major University facility projects on the Hilltop, Medical and West campuses. Information is provided to the Record by facility managers.
Defects

from Page 1

Hilltop Campus

WoolPark

Escort shuttle service expanded Dec. 9-19

The Department of Transportation and Parking Services will again be running additional escort shuttle services during week and final week to facilitate transportation for students. The extended hours will be from 6 p.m. -4 a.m. Dec. 9-19. The escort shuttle service is provided at no cost to members of the University community who need to get from one place to another on the Hilltop and West campuses. To access this point-to-point shuttle service, call 935-7777 and a van will be dispatched to your location and take you to your destination.

Campus Watch

The following incidents were reported to University Police Nov. 21-23. Students with information that could assist in solving these cases are urged to call 503-525-LISE. The information provided is as a public service to promote safety awareness and is available on the University Police Web site at police.wustl.edu.

Nov. 22

10:49 a.m. — A student reported that cash and her ATM/debit card were stolen from her room in Park House. Total loss is estimated at $549.

Nov. 24

6:05 p.m. — A large window on the northeast side of Baby Hall was shattered by unknown means. There was no sign of any broken object. WUSTL maintenance was notified.

Nov. 25

8:40 p.m. — A student reported that he parked and secured his vehicle on the second level of Welt Parking Garage. Upon his return, he discovered an unknown person had stolen his vehicle. Total loss is estimated at $1,750.

Dec. 2

1:55 p.m. — A student reported that between 1:45-1:55 p.m., an unknown person took her wallet from her purse, which was hanging from a coat rack in an open public area of the Building. No suspects or witnesses were located. The student contacted University Police.

Additionally, University Police responded to four reports of break-ins, two reports of property damage and one report each of tampering and fire.
The awesome 110 players Students in Clifford M. Mill's Physics 110, "Awesome Ideas in Physics," for non-science majors, recently put on a staged reading of Copenhagen in Crow Hall, Room 201. The Tony Award-winning drama examines a 1941 meeting between physicists Werner Heisenberg (played by Alexandra Lasson) and Niels Bohr (center, played by Petrio Gaskin)—old friends and colleagues who found themselves on opposite sides in World War II. Heisenberg, a leader of the German atomic bomb project, had traveled to see Bohr, a for- mer mentor and fellow atomic pioneer, at Bohr's home in Nazi-occupied Denmark. Though the exact nature of their conversation remains unclear, by all accounts it included discussion of the atomic bomb project. Because Bohr and Heisenberg were central figures in the development of quantum physics, Whl, Ph.D., professor of physics in Arts & Sciences, thought the Copenhagen reading would provide his students with a new B. Dibbs introduction to the study of quantum mechanics. Margaret Bau (left) portrays Bohr's wife, Margrethe.

Campus Authors

Jonathan L. Katz, Ph.D., professor of physics in Arts & Sciences

The Biggest Bang: The Mystery of Gamma-Ray Bursts, the Most Violent Explosions in the Universe (Oxford University Press, 2002)

After 30 years of studying gamma-ray bursts, Jonathan Katz decided it was time to write a book about them. After all, the time was right, said Katz, Ph.D., professor of physics in Arts & Sciences.

The biggest topic of gamma-ray bursts had come to a natural conclusion, which consisted of the white page of the book I call the "Holy Grail." The discovery of an object that emits gamma rays from a gamma-ray burst, which was apparent in the early days of the 1970s, had been a major breakthrough in the field of astrophysics. The first gamma-ray burst, which was discovered in 1997, was the brightest ever seen by astronomers. The discovery of gamma-ray bursts was the result of a long-term effort to understand the nature of these mysterious events. The discovery of gamma-ray bursts was a major breakthrough in the field of astrophysics and has led to significant advances in our understanding of the universe.

In the Big Bang, Katz discusses just about everything that goes into studying gamma-ray bursts, from their accidental discovery in 1997 to the scientific community's current understanding of these events. The book tells the story of how the discovery of gamma-ray bursts was made and how it has led to significant advances in our understanding of the universe. The book also explores the mysteries of gamma-ray bursts and how they have shaped our understanding of the universe. The book concludes with a look at how the discovery of gamma-ray bursts has impacted our understanding of the universe and how it has led to significant advances in our understanding of the universe.

The book also includes a comprehensive glossary of terms and a list of further reading, making it an excellent resource for anyone interested in the field of astrophysics. The book is available at all major bookstores and online retailers, and is a must-read for anyone interested in the field of astrophysics.

In the Big Bang, Katz discusses just about everything that goes into studying gamma-ray bursts, from their accidental discovery in 1997 to the scientific community's current understanding of these events. The book tells the story of how the discovery of gamma-ray bursts was made and how it has led to significant advances in our understanding of the universe. The book also explores the mysteries of gamma-ray bursts and how they have shaped our understanding of the universe. The book concludes with a look at how the discovery of gamma-ray bursts has impacted our understanding of the universe and how it has led to significant advances in our understanding of the universe.

In the Big Bang, Katz discusses just about everything that goes into studying gamma-ray bursts, from their accidental discovery in 1997 to the scientific community's current understanding of these events. The book tells the story of how the discovery of gamma-ray bursts was made and how it has led to significant advances in our understanding of the universe. The book also explores the mysteries of gamma-ray bursts and how they have shaped our understanding of the universe. The book concludes with a look at how the discovery of gamma-ray bursts has impacted our understanding of the universe and how it has led to significant advances in our understanding of the universe.

In the Big Bang, Katz discusses just about everything that goes into studying gamma-ray bursts, from their accidental discovery in 1997 to the scientific community's current understanding of these events. The book tells the story of how the discovery of gamma-ray bursts was made and how it has led to significant advances in our understanding of the universe. The book also explores the mysteries of gamma-ray bursts and how they have shaped our understanding of the universe. The book concludes with a look at how the discovery of gamma-ray bursts has impacted our understanding of the universe and how it has led to significant advances in our understanding of the universe.
Ensuring students' well-being

Former emergency room physician Laurie Reitman now directs the Student Health and Counseling Service

By NEIL SCHOENHERR

Many people grow up knowing exactly what they want to do with their lives. For others, deciding on the perfect occupation can mean choosing among several passions.

Fortunately for Laurie Reitman, her career allows her to live both of her passions every day.

Reitman, M.D., director of the Student Health and Counseling Service (SHCS), has been at the University for 10 years. Prior to that, she was a full-time emergency room doctor at Missouri Baptist Medical Center.

She loved her job, but she knew something was missing. "I was always interested in business as well as medicine, and I struggled deciding which path to pursue," Reitman says. "So I decided to go into medicine, and I really missed what I was doing."

"But after a period of time working in the emergency room, I knew I wanted to do something else and I somehow combined my interest in business with my interest in medicine. I was looking for a position that would allow me to utilize skills in both areas."

"That's when I decided to come here to the University."

Reitman earned a master of business administration degree from the Olin School of Business in 1995 and is relieving being able to combine her love of medicine and her love of the business world.

"Dr. Laurie Reitman is a superb physician, a creative and skilled administrator and a nationally recognized leader in the field of college health," says Karen Levin Coburn, assistant vice chancellor for students and dean of the freshman transition. "We are fortunate that she has chosen to use her multiple talents and creative energy on behalf of the health and well-being of our students."

Reitman's duties vary greatly. She runs a staff of more than 40 skilled professionals, develops projects, writes grants, serves as medical director for the Emergency Support Team (EST), and acts as medical officer for a student-run organization that is the first responder to illnesses and injuries on the Hilltop Campus.

"Dr. Laurie Reitman is a superb physician, a creative and skilled administrator and a nationally recognized leader in the field of college health. We are fortunate that she has chosen to use her multiple talents and creative energy on behalf of the health and well-being of our students."

Reitman says. "Now when students come to our office, there is a merger of mental-health records. Students now enjoy more comprehensive, coordinated care."

Another recently introduced improvement to the office is a partnership with MDhub, an Internet message center that makes it faster and easier for students to get a prescription refilled, obtain test results or request an appointment.

SHCS began using MDhub in January, and Reitman says it has been a big help.

"Students used MDhub to request a prescription renewal, lab-test results or to schedule an appointment; the request comes to SHCS via fax. The fax is picked up, put with the student's chart, and given to the appropriate nurse. That nurse makes the response, clicks on MDhub, and the service gets back to the student."

"It's been very successful," Reitman says. "The students who have signed up enjoy it. It's easier on them and it's more convenient for our staff."

Reitman is constantly searching for ways to improve SHCS, and her staff appreciates her hard work and dedication.

"Dr. Reitman and I have worked together for the last two years here at the University and for nearly five years in the emergency room at Missouri Baptist Medical Center," says Deb Harp, SHCS associate director. "I have enjoyed working with her in both settings and hold high regards for her as a physician and the director of SHCS. The University is truly fortunate to have her as the director of SHCS."

Reitman says that more than anything, she loves working with the people at the University.

"I really enjoy my colleagues and the administration, and of course the students," she says. "The people are really what keeps me here."

Laurie Reitman, M.D.

Title: Director of the Student Health and Counseling Service

Years at the University: 10

Hobbies: Reading, Pilates and travel

Favorite part of her job: Working with university students, faculty and staff

Laurie Reitman at home with her husband, Steve Hadzima, and their children, 6-year-old Linzie (left) and 12-year-old Alyssa.

Washington People

KAREN LEVIN COBURN

Laurie Reitman, M.D., director of the Student Health and Counseling Service, talks in her office with Mike Schwartzwald, a senior in Arts & Sciences and president of the Emergency Response Team (EST). Reitman serves as medical director for EST, a volunteer student organization that is first responder to illnesses and injuries on the Hilltop Campus.