Psychotherapy treats depression in patients with diabetes

Filmmaker Spike Lee, sociologist Renée Fox to speak here

Daniel E. Goldberg, M.D., Ph.D., battles the global scourge of malaria

University to expand minority purchasing

Marks brings commitment, expertise to post

By Deborah Parker

O ne of the things that has frustrated Sandra Marks as executive director of the Minority Youth Entrepreneurship Program these past 12 years is that there are not more successful minority-owned businesses in St. Louis to offer as examples. The minority high school students enrolled in the six-week summer program at the John M. Olin School of Business learned most look outside the St. Louis area for inspiration.

However, a newly created directorship may begin to make real-life strides that are not only revolutionary in their own right, but may also bolster local minority entrepreneurs to the point of beckoning a few field trips after all.

Fein announced in a way named director of minority- and women-owned business development for the University. The well-connected Marks, a 1983 graduate of the Olin MBA program, has run her own consulting business.

Peck is elected to institute, leads national association

William A. Peck, M.D., executive vice chancellor for medical affairs and dean of the School of Medicine, has been elected to the Institute of Medicine.

He also is assuming the chairmanship of the Association of American Medical Colleges (AAMC), a component of the National Academy of Sciences, the Institute of Medicine and the National Academy of Engineering.

Peck is working primarily with minority companies, since 1986. The University has contracted with her to help identify and establish relationships with minority- and women-owned vendors. This newest position for Marks is an expansion of the work she began this summer helping the University boost its minority contracting. The University now has become her principal client.

Earlier this year, Chancellor Mark S. Wrighton announced the University’s goal to foster minority- and women participation in its construction projects at a level that would reflect the population profile of the St. Louis metropolitan area.

The University now is additionally focusing on the supply side of construction, and Richard A. Roloff, executive vice chancellor.

"In construction, labor and materials are each 50 percent of the process. We realized another area where the University is not doing as much as it can in the purchasing arena," Roloff said. We needed to make sure that the University's contracts reflect the population at a level that would allow us to do more work with minority businesses."
AWARDS

Founders Day to honor four University faculty

—from page 1

depth, he was professor emeritus of clinical medicine. For nearly six decades, Hagemann was actively involved in the Medical Center Alumni Association and chaired the school's Ammon Fund development committee and its Eliot Society Membership Committee. He was the former vice chair of the Alumni Board of Governors for alumni giving. Along with his wife, Hagemann established the Charlotte and George Hagemann Scholarship Fund in medicine.

Hagemann received the University's Distinguished Alumni Award in 1984, the medical school's Second Century Award in 1995 and the William Greenleaf Eliot Society Award in 1996. Norman Moore, a 1933 graduate of the School of Architecture, has been a pioneer both in hospital design and construction standards. He began his career during the Depression years as an architect for government agencies, beginning with the New Deal not yet to do so and the Missouri World's Fair Commission, then for the Tennessee Valley Authority and the Department of the Interior. From 1950, when Moore established a private practice as a hospital construction consultant, until his retirement in 1979, he overview planning for approximately 40 hospitals and medical facilities. With his sister, the late Ruth Moore Garbe, Moore created the first endowed professorship in the architecture school in 1986. A second chair followed, as well as a visiting professorship for distinguished scholars and practitioners. Moore and his wife have continued their support with gifts including the Moore Challenge for the school's annual fund. Moore received the Distinguished Alumni Award in 1995.

Distinguished faculty awards will go to:

—Michael M. Greenfield, J.D., who has taught at the University for nearly 30 years. He joined the faculty in 1969 as assistant professor of law and assistant dean of the School of Law. In 1976 Greenfield became a full professor, and, in 1995, he was named the Walter D. Cotes Professor of Law in recognition of his long-time research and teaching in the area of consumer law. Greenfield is a leader in consumer-oriented advocacy.

—Scott G. Hickman, M.D., a chest physician, scholar and teacher. He came to the Univer-
sity in 1973 as assistant professor of medicine, then as a resident in internal medicine at Barnes Hospital. Hickman has made significant contributions in the area of pulmonary 

—Neurology. Years earlier, he established the Charlotte and George Hagemann Scholarship Fund in medicine.

In and out of your life
Junior Courtney Crawford relays the student perspective to a group of parents in a Parenting Workshop by the Medical Alumni in Mallinckrodt Center. As part of a Parents Weekend event labeled "In and Out of Your Life," Crawford, senior Emily Levy (left) and Karen Levin Coburn (in background at left) assistant vice chancellor for students and associate dean for the freshman transition, led a lively discussion exploring the delights and dilemmas of sending a child to college and the changing relationships encountered when they return home.

in the cold
Students, faculty and staff at the George Warren Brown School of Social Work are participating in a blanket drive sponsored by the National Association of Social Workers Missouri Unit to collect new or clean used blankets for elderly and disabled persons who can't afford heat. Donations from all members of the University community are welcome. There are boxes in Goddard Hall's student commons for the drive, which will continue through Nov. 30. For more information, call 4-615.

Y classes
The Campus Y offers a variety of classes in fitness and health for University students, faculty and staff as well as members of the public. Classes range from prenata to yoga and tai chi; a class in sign language is available as well. Fee, tax, and University employees and students receive a discount. The schedule for classes at the Campus Y office in the basement of Pabst Hall. For more information, call 3-5010.

Best way to care
The University and the Human Resources office extend thanks to the many faculty and staff who have returned their United Way pledge cards, and ask that those for isolation of the virus as well as possible. If you have misplaced your card, more are readily available! Contact Blanche King, 935-8046, on the Health Campus Karen Seifert or Paul Anderson, both at 362-4369, on the Medical Campus or Jeannine Schaal, 935-4290, or Jeff Cooper, 935-3710, on West Campus.


Greenfield has been a member of the faculty's Judicial Board; the Faculty Senate Council and the Academic Freedom and Tenure Review Committee. He chaired the law school's building committee and was instrumental in developing the design and construction of Anheuser-Busch Hall.

—Scott G. Hickman, M.D., a chest physician, scholar and teacher. He came to the Univer-
sity in 1973 as assistant professor of medicine, then as a resident in internal medicine at Barnes Hospital. Hickman has made significant contributions in the area of pulmonary medicine and hematology and oncology. After two years as a research fellow at the National Institutes of Health, he returned to the University in 1975 to follow in his father's footsteps, oncology, establishing an in-house laboratory for the study of cell proteins and antibodies involved in the immune response. He was appointed an assistant professor of medicine in 1977 and then an associate professor of medicine. Known for his teaching ability, Hickman is the recipient of six teaching awards given in five consecutive years: two Distinguis-

distinguished Service Teaching Awards, three Professor of the Year honors and one award as Teacher of the Year.

—Barbara A. Schaal, Ph.D., a leading plant population biologist. Schaal is professor of biology in Arts and Sciences and professor of genetics in the medical school. She joined the University in 1980 and since that time has become a highly influential molecular biologist. From 1995 to 1997 she served as chair of the Department of Biology.

Did you know?
Carl F. Cori, M.D., and Gerti Cori, M.D., of the School of Medicine won the 1947 Nobel Prize in Physiology or Medicine for their work that starts the conversion of animal starch into sugar. Six other Nobelists received training under their auspices.

Answer: This is what it is called in Europe, it is "the McCallum Hall awnry.

Campus quiz: Whooo is the Campus Y?

The free, public monthly is available at the University libraries and online at "News Briefs." News Briefs is available! Contact Blanche King, 935-8046, on the Health Campus Karen Seifert or Paul Anderson, both at 362-4369, on the Medical Campus or Jeannine Schaal, 935-4290, or Jeff Cooper, 935-3710, on West Campus.

At your fingertips
The University Libraries include more than 3.2 million books, periodicals volumes and government publications, plus a large and growing number of collections in both print and nonprint formats. In the John M. Olm Library and 12 school and department libraries. The libraries offer a wealth of special or rare materials, including the Modern Literature Collection, devoted to the study of 115 British and American writers, and the Bernard Becker Medical Library's Paracelsus Collection, regarded as the world's largest collection of works by or about Paracelsus, the 16th-century physician.

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Cognitive behavior therapy helps control depression and blood glucose in patients with diabetes

By Jim Detjen

Several investigators have found that a form of psychotherapy called cognitive-behavior therapy (CBT) is an effective treatment for patients with diabetes, restoring mental health and significantly improving control of blood sugar levels. Cognitive behavior therapy treats depression by involving patients in social and physical activities, teaching problem-solving skills to resolve stressful situations, identifying disordered thought patterns that lead to depression, and replacing them with more productive and useful patterns. The researchers report the findings of this first-ever controlled trial of CBT in diabetes in the Oct. 15, 1998 issue of Annals of Internal Medicine. They found that a 10-week program of therapy helped relieve depression in the majority of patients with diabetes. In the months after CBT, these patients also achieved better control of their glucose levels. "In the past, we had shown that antidepressant medications could help improve control of diabetes in patients with diabetes," said Patrick J. Lustman, M.D., Ph.D., principal investigator and associate professor of psychiatry. "But not all are good candidates for this therapy, so it is important to find other ways to treat them."

While depression affects 7 percent of the general population, the rate of clinical depression is between 15 and 20 percent in patients with diabetes. In an earlier study, approximately two-thirds of patients who have both diabetes and depression never receive any antidepressant treatment. The improvement in depression can be specifically and highly remarkable in patients with diabetes. Untreated depression is closely associated with poor glucose control. It is also linked to poor compliance with diabetes treatment and higher rates of heart and eye complications.

All subjects in this study had both clinical depression and diabetes. All received 10 weeks of education about diet, exercise and compliance with treatment. Half also received CBT. After 10 weeks, depression was reduced in 47 of the 70 patients (70 percent) in the CBT group that received only diabetes education, six of the 22 patients (27 percent) went into remission.

The investigators also examined the subjects six months after treatment and found that 70 percent (50 of the 70 patients) were still in remission, while seven of 21 remaining patients (33 percent) in the control group were not depressed.

While depression affects about 5 percent of the general population, the rate of clinical depression is between 15 and 20 percent in patients with diabetes. CBT helped control depression and blood glucose in patients with diabetes.

While depression affects about 5 percent of the general population, the rate of clinical depression is between 15 and 20 percent in patients with diabetes. CBT helped control depression and blood glucose in patients with diabetes.

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Marcus E. Raichle receives national award

Society honoring him founded in 1743 by Ben Franklin

Marcus E. Raichle, M.D., will receive the 1998 Karl Spencer Lashley Award from the American Philosophical Society at a Nov. 13 dinner at the society's annual meeting in Philadelphia. Raichle and collaborator Michael I. Posner, Ph.D., a former Washington University faculty member now at the University of Oregon, will share the award for their contributions to brain imaging.

Raichle, co-director of the Division of Radio logical Sciences and professor of radiology, neurology and neurobiology, and Posner, professor of psychology at Oregon, are being recognized for pioneering the use of noninvasive imaging to understand brain function. They are co-authors of a Scientific American volume about this topic called "Images of Mind," which received the 1996 William James Book Award from the American Psychological Association.

The American Philosophical Society, the oldest learned society in the United States, was established by Benjamin Franklin in 1743 to promote scholarly and scientific inquiry. Elected members have included John J. Audubon, Robert Frost and Christopher Columbus. More than 200 Nobel Prize winners have been members since 1901.

A member of the National Academy of Sciences, Raichle and Posner pioneered the use of positron emission tomography (PET) imaging to map specific brain areas used in tasks such as seeing, hearing, speaking and remembering. Posner, one of the world's leading cognitive psychologists, added his skills to the work when he joined this effort in 1985. PET itself was developed at Washington University in the 1970s to allow researchers to study the living human brain noninvasively and to track and record its function. Working with colleagues at the University, Raichle and Posner helped develop many of the basic imaging strategies used today worldwide to map the human brain with PET and, more recently, with magnetic resonance imaging. These techniques are providing an increasingly sophisticated view of how the normal human brain functions.

Maps of brain chemistry and metabolism complement these maps of brain function. In combination, such maps not only tell us how the brain and our behaviors are related, but also how diseases such as stroke, depression, anxiety and Parkinson's disease affect brain function.

Raichle joined the University faculty as a research instructor in 1971. He received a bachelor's degree from the University of Washington in Seattle in 1960 and a medical degree from the same institution in 1964.
Shakespeare teaches us about love—it’s that people fall in love in all kinds of ways and for all kinds of reasons—good reasons, bad reasons, generous, selfish and silly. Sometimes, reasons sometimes, the reasons are so frantically inexplicable that we see the involvement of magic. Nanostate, as it is known, the Performing Arts Department (PAD) in Arts and Sciences will address all of these possibilities and more when it brings one of the bard's most romantic comedies, "A Midsummer Night's Dream," to life on our campus through November 20-22.

"A Midsummer Night's Dream" will be presented by a young troupe of actors, led by Hermia and Lysander, through four days of magic, deception, romance and farce. Hosting Hermia's disaffectioning father, the couple—plundered by Demetrius, Hermia's unwed suitor, and Helena, Demetrius' own jilted lover—escapes into the forest and goes to www.wustl.edu/thisweek/ to view the activities taking place at Washington University over the next 10 days. For a detailed list of events, visit the website at medschool.wustl.edu/events/. Tickets $10, $5 for senior citizens and students, available at the box office, 935-6640, and Metzlo, 934-1111.

"A Midsummer Night's Dream" opens Saturday, Oct. 31, from 10 a.m. to 1 p.m. on the Campus North Campus Parking Lot. This is the first event of the "Washington University in St. Louis Halloween Parkfest," which will continue through Nov. 20-22. Perfor- mances are free and open to the public. Call 935-5983 for more information.

"A Midsummer Night's Dream" recounts the adventures of four couples as they fall in and out of love in the forest. After a wedding party, Hermia and Lysander flee to the forest and fall in love. Demetrius and Helena, their former love interests, fall in love with each other. The couples end up in the midst of a spat between the king of fairies, Oberon, and his wife, the queen Titania. Oberon, in a fit of pique, bids his mischievous servant Puck to procure a love potion and use it on Titania, which he does. But Puck, in his hurry, errors in the potion's division and soon everybody's affections have become confused: Lysander and Demetrius are smitten with Hermia, who chides Puck for mocking her; while Titania falls in love with Bottom, the pedantic actor whose head has been magically replaced with that of a jacksack. "Midsummer Night's Dream" invites us to contemplate a world gone mad through the creation of what Whittaker calls a "bed-scape," a simple, flexible landscape in which he does. Sometimes, in fact, the generous, selfish and silly reasons. Sometimes, reasons sometimes, the reasons are so frantically inexplicable that we see the involvement of magic. Nanostate, as it is known, the Performing Arts Department (PAD) in Arts and Sciences will address all of these possibilities and more when it brings one of the bard's most romantic comedies, "A Midsummer Night's Dream," to life on our campus through November 20-22.

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**Sociologist, filmmaker to speak**

**Moral dilemmas topic of Fox talk**

Renee Fox, professor of the University of Pennsylvania, will speak on "Doctors Without Borders and Doctors of the World: Structural Humanitarianism and Human Rights Witnessing" at 11 a.m. Wednesday in 4 p.m. Graham Chapel as part of the Assembly Series. The lecture is free and open to the public.

Fox, who teaches at the University of Michigan, is an expert on the social and political aspects of medical care and the author of numerous books, including "Doctors, Patient, Organization in Society," "The Sociology of Medicine," "An Participant Observer's View" and "Experiment: Perilous Physics and Patients in the Real World," all known.

Fox was associate editor of the Journal of Health and Social Behavior from 1985-87 and served on the editorial board of the Journal of the American Medical Association from 1987-94. She serves on the editorial boards of publications including Technology in Society, Human Sciences Colloquium.

**New exhibit to showcase faculty artwork**

**Football falls to Carnegie Mellon**

The football Bears scored early and late Saturday, Oct. 24, at Francis Field, but it was a lack of success in the middle quarters that thwarted them in the 31-21 loss to University Athletic Association (UAA) foe Carnegie Mellon. The Bears fell to 7-2 overall and 1-2 in conference play.

The Bears, who defeated the Titans four minutes remaining in the third quarter and a conference game, also knocked out the Bears the last four meetings.

Men's soccer losses

The men's soccer team put its hopes in postponing in 1998 with a UAA road loss last week. The Bears dropped a heart-breaking 3-2 double-otvertime decision at 13-ranked Emory University Saturday, Oct. 23, before beingblasted a 1-0 Sunday at New York University. In the Emory game, senior John Roesler scored a goal, but the Eagles scored with only four minutes remaining in the sudden-death overtime period. In the NYU meet, the Bears lost the 9-15, 7-10, but could not score.

Women's soccer wins

The women's soccer team won two of their three games last week, but could not score.

Women's soccer wins

The women's soccer team won two of their three games last week, but could not score.

**Friday, Oct. 29**

6 and 8:30 p.m. Travel lecture series

"Reticence," a mixed media installation by Andrew Connelly, lecturer in the School of Art, is one of more than 40 artworks on display in the "Artists, Architects and Patients Facing the Uncertainty of Organ Replacement in Society," opening Nov. 6 in the Gallery of Art and will remain on view through Dec. 9.

For more information, call 362-6891.

**Friday, Oct. 30**

9:30-10 p.m. Spike Lee will deliver a lecture and commentary at 4 p.m. Thursday, Nov. 5, as part of the Assembly Series. The lecture, which is open to the public with limited seating, will take place in the Field House of the Athletic Complex. The Congress of the South Forty, the Council of Student Arts and Sciences, and Chines are sponsoring this event.

Spike Lee has emerged as one of the most prominent filmmakers of the last decade. In 1986, his debut film, independently produced comedy "She's Got It," earned him the prize de-gregate at the Cannes Film Festival and set him on the front of the Black Wave in American cinema. His success continued with "School Daze" and, in 1989, "Do the Right Thing," which garnered him an Academy Award nomination for best original screenplay.

Other films that he has produced and directed include the highly successful "Malcolm X," "Clockers," "Jungle Fever," "Mo Better Blues" and, most recently, "He Got Game," Lee has made important documentary films, including "Get on the Bus," about a group of protesters headed to the Million Man March, and "Four Little Girls," about the bombing of the 16th Street Baptist Church, Birmingham, Alabama, about a tragedy during the civil rights movement resulting in the death of four young girls.

Lee, who was raised in Brook-

"Malcolm X" creator Spike Lee on campus

Lee, who was raised in Brooklyn, attended Morehouse College, Atlanta, Ga., graduating in 1976. He attended New York University's Tisch School of the Arts, where he received a master's degree in film in 1981. Soon after, he founded his own production company, 40 Acres and a Mule Films, in which for more information, visit the Spike Lee's web page at http://spike/ wusa.wustl.edu) or call 535-2585.

**Saturday, Oct. 31**

**Saturday, Nov. 7**


Saturday, Nov. 7

11 a.m. WU Mug Meet. Men's and women's cross country. Tower Grove Park, St. Louis 935-0220.

**Friday, Nov. 6**

7:30 p.m. Men's soccer team vs. Centre College.不再是对的画廊．

**Saturday, Nov. 7**

5 p.m. Football team vs. Colorado College.

WU mug meet. Men's and women's cross country.

Renee Fox

where Graham Chapel

When 11 a.m. Wednesday, Nov. 4

Admission Free and open to the public

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When 11 a.m. Wednesday, Nov. 4

Admission Free and open to the public
things that can make computer science really interesting. If you look at a page of program text, an error may not jump out at you, but if you incorporate graphics, the software becomes more physical and more tangible. You see the results and can correct mistakes more easily.

While students have fun and find value in developing software, the course is very demanding both physically and intellectually. Students attend a weekly 90-minute laboratory and lecture, and then add the programming projects to the classic computational problems, usually put in 2 hours a week.

This semester, 16 under-graduate teaching assistants (TAs) help students in the seven lab sections, which are further subdivided into two or three groups per section. TAs also have evening and weekend hours to assist students.

Bob Amar, a junior chemistry major in Arts and Sciences, is lead teaching assistant for CS 101. He's seeking a computer science career and has hopes of getting a master's in computer science as well, all within four years. "I've TA'd for three semesters and para- mount to me is that they see the joy in his role."

"I get a lot out of seeing that light bulb go on in students' heads when they understand something that baffled them before," said Amar. "I've been planning to go to college so as to go and become a college professor myself and be doing something I'm getting with a lot of students is equations."

"The course teaches you to think about problem-solving in a different way," he said. "A big part of this is learning how to reflect on your own thought process and to look at it from the computer's point of view and learn how to break down a problem into pieces and then learn how to describe each piece so that the computer can understand the instructions. When students develop their thinking skills at the point that they can start with an equation and break it into piece terms and then learn how to describe each piece so that the computer can understand the instructions, it opens up a whole new world for them."

**Legal maneuver**

**Peck Receives national distinctions**

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**Alumni**

Six University graduates to be honored Nov. 7 — from page 1

the University faculty in the early 1960s as an associate professor of civil engineering in the School of Engineers and Applied Sciences. Since then, he has helped start a school, from which he graduated with a bachelor's degree in 1959 and a master's degree in 1961. He was instrumental in the establishment of the Community Environmental Center here and serves as chairman of its advisory committee. Currently, Buescher is an affiliate professor and associate director of Environics Engineering Program and helps provide hands-on training for students in this field.

**Robert E. Virgil Jr.**, who has given 30 years of service to the University, first as a professor of business administration and then as the director of the John C. Molloy School of Business and as dean. In addition, Virgil served in a number of leadership positions, including chair for the Board of Trustees and vice chair of the Planning and Development Committee. Formerly, he served as the chairman of the University's Alumni Board of Governors.

**A. C. Peck**, who has served on the Missouri Board of Education and worked extensively on the public school system in Missouri, has been called a consumer of higher education. He has served as a member of the Board of Directors of the University of Missouri and as a member of the Board of Trustees of the University of Missouri System. He currently serves as a member of the Board of Directors of the University of Missouri System and as a member of the Board of Directors of the University of Missouri-Columbia. Formerly, he served as the chairman of the University's Alumni Board of Governors.

**C. S. Peck**, a graduate of the University of Missouri-Columbia and a member of the Board of Directors of the University of Missouri System, has been called a consumer of higher education. He has served as a member of the Board of Directors of the University of Missouri and as a member of the Board of Trustees of the University of Missouri System. He currently serves as a member of the Board of Directors of the University of Missouri System and as a member of the Board of Directors of the University of Missouri-Columbia. Formerly, he served as the chairman of the University's Alumni Board of Governors.

**J. S. Peck**, a member of the Board of Directors of the University of Missouri System and a member of the Board of Trustees of the University of Missouri System, has been called a consumer of higher education. He has served as a member of the Board of Directors of the University of Missouri and as a member of the Board of Trustees of the University of Missouri System. He currently serves as a member of the Board of Directors of the University of Missouri System and as a member of the Board of Directors of the University of Missouri-Columbia. Formerly, he served as the chairman of the University's Alumni Board of Governors.
Clay named head of Olm bibliography reference department

Ralph Clay, formerly librarian supervisor, has been named director of the Olm Library Reference Department. As head of reference, Clay continues to be responsible for the department's provision of reference services, but in his new role Clay serves in the Library Administrative Group, overseeing the budget and program planning for the libraries as a whole. He reports to the assistant dean for information services.

Clay said he will work to further develop the partnership between reference librarians and faculty. He would like to expand the use of reference librarians for class presentations and later follow-up with students. "Our aim is to show that those classes requiring some type of research, increasing student ability to identify, retrieve and evaluate information will contribute to the students realizing the course's overall goal," Clay said.

Clay said the department is striving to provide more instruction and services via the Internet and electronic gateways.

William Clay said these efforts supplement the services provided in person at the Olm Help Desk and over the phone. In past years Clay has played a key role in setting up the Information Desk, the Government Publications Reference service that supports the Science and Engineering reference services into the Reference Department.

Arthur Miller receives Dental Alumni Association Award

Arthur S. Miller, D.D.S., has received the 1998 Washington University Dental Alumni Association Award. Miller, a 1959 graduate of the now closed School of Dental Medicine, was recognized for his many contributions to dentistry and to his specialty, oral and maxillofacial surgery.

An internationally renowned oral and maxillofacial surgeon, most of his career at Temple University School of Dentistry. There, he served as professor and chairman of the Department of Pathology, Microbiology and Immunology. He is president of the American Association of Oral and Maxillofacial Pathology. In 1988, he became president of the academy.

He has co-authored two textbooks, contributed several chapters to others and published more than 95 papers in his field.

National Basketball Association dispute has roots in 1995 contacts, Bernstein says

With the National Basketball Association's season in recent turmoil, Professor N. Bernard Bernstein, LL.B., an expert in labor law, says the current controversy is back to strategic concessions made during the 1995 dispute. Earlier this month, the association ceased to fulfill two weeks of games, breaking an unprecedented string of 50,000 games over 55 seasons. More cancellations are anticipated as the dispute — which centers mainly on limiting player salaries — drags on, Bernstein notes.

Clay received a bachelor's degree in psychology from Washington University in 1978 and a master's degree in library and information science in 1980. He joined the University Libraries in 1980. Since 1989 he has taught a library research methods course in the African and Afro-American Studies Program. Clay is enrolled in the University's Master of Arts in Human Resource Management degree program.

On assignment

Three School of Law faculty members chaired panels at the 20th annual meeting of Women Judges Conference, held Oct. 8-11 in St. Louis.

Speck and Jacklyt Lett at a meeting of the Section Research in Vision and Ophthalmology in P. Laundera, Pia.

Purchasing

Marks works to recruit minority vendors — and suppliers

"The University spends millions of dollars a year in goods and services. We realize we're not working hard enough to get to women- and minority-owned businesses," Marks said.

Rolfstad can't admit the University has lagged behind other corporations and institutions and said Marks' appointment is a step in reversing this trend. "This (minority women participation) hasn't been on our radar screen," Rolfstad said. "We've focused on quality and service. Whether a firm has been minority or women owned it's not on our screen."

He pointed out that some corporations, such as NationsBank and Schnuckals, have taken the lead in getting suppliers from small minority-owners and suppliers.

"We need to do a better job of identifying and trying to get these suppliers," she said. Marks noted diversity isn't just about dollars and cents. It is about the future of the University, the future of the community. Marks said she worked on limiting players' salaries to $1 million, and the owners would back that agreement and threaten the season. The June agreement and threatened lockout included a salary cap. She said the owners would then have no choice, she said with a slightly miffed grin, "I'm going to give them five businesses that I know would be valuable to Washington University, and they will have to create a plan."

"The more we have businesses in our community that have a significant impact on developing our future communities, the better," Marks said. "When we have businesses in the community looks a little different. When you see the local library, you think of your local community to look a little better, because St. Louis is my home."

News Analysis

National Basketball Association dispute has roots in 1995 contacts, Bernstein says

The National Basketball Association dispute has roots in 1995 contacts, Bernstein says

"In June 1995, NBA Commissioner David Stern and Deputy Commissioner David Stern, 1995 negotiating team led by Billy Hunter and Frank Gourine. The best offer by the owners is now trying to take back some of the 'goodies' they started giving away, save Goodine and Williams."

Another option for the owners is to move to a battle over control of the union, Bernstein said. "The owners' optimism that the parties can resolve their differences soon. However, the owners now threaten to decertify itself, which could mean the only way for management to drop its demand in order to protect its immunity from antitrust liability."

 Bernstein writes that the "The management strategy was to talk a lot about teaching. The players association fired the 1995 negotiating team led by Bill Hunter and Evan and their chief negotiator. The new team of owners is now trying to take back some of the 'goodies' they started giving away, save Goodine and Williams."

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What do you do when a parasite that’s invisible to the naked eye has fluded efforts to eradicate it for centuries? If the bug causes malaria, a killer of two million worldwide each year, and your name is Daniel E. Goldberg, M.D., Ph.D., you do everything you can to stop the parasite in its tracks.

Goldberg, professor of medicine and of molecular microbiology and a Howard Hughes Medical Institute investigator, has gained international recognition for his work on how the malaria parasite invades humans. He also directs the Medical Scientist Training Program, one of the country’s largest M.D./Ph.D. programs to develop the next generation of medical researchers.

His own interest in malaria began when he was an M.D. Ph.D. candidate at the School of Medicine in the early 1980s. Studying carbohydrates — sugars — in the lab of Stuart A. Kornfeld, M.D., professor of medicine and of biochemistry and molecular biophysics, he came across an article about the malarial parasite Plasmodium falciparum. The article described the parasite’s ability to invade human red blood cells by sticking to sugar-coated proteins on the cells’ surface. “I thought that was a fascinating interaction, and that led me to read more about malaria,” Goldberg remembers.

Goldberg decided to learn more about the parasite’s activities inside red blood cells. “This was one of the most important diseases of the time,” Goldberg observed, “and there was little research being done on it.” Understanding the malarial parasite is a worldwide concern because certain strains are becoming resistant to chloroquine-like drugs. Even in the United States, where malaria is kept at bay about a million people a year bring the disease back from travel overseas.

Goldberg decided to learn more about the parasite’s activities inside red blood cells in hopes of fostering efforts to develop new antimalarials.

**Huge impact**

This was no small task because the parasite is difficult to work with, said Jeffrey I. Gordon, M.D., alumni professor of radiology and of the biology and physiology at the Johns Hopkins School of Public Health. Goldberg also is a terrific mentor. “Not only does he instill a curiosity for science, but he also teaches you to verify your research findings in multiple ways,” said Gordon.

In his spare time, Goldberg plays tennis several times a week and watches major league baseball avidly. He also enjoys cooking, reading and spending time with his wife, Mary K. Cullen, M.D. A research associate in cell biology and physiology at the medical school and a practicing dermatologist, Cullen also has been coordinating science activities for the University City School District. Goldberg, a fan of chili peppers and fine foods, says she adds wonderful flavoring to his life.

But intriguing malaria is what keeps him motivated. “It’s such a clever bug — much cleverer than the humans who are trying to outsmart it,” Goldberg says.

Understanding the protein could lead to new drugs. But Goldberg’s laboratory studies it for a simpler reason: “I was so fascinated by this molecule,” he said.

Goldberg’s enthusiasm and dedication carry over to his leadership of the M.D./Ph.D. training program. He advocates 150 students on course work, laboratory training and medical rotations. “It’s great to interact with them and see them develop into physician-scientists,” he said.

Jeffrey I. Gordon, M.D., Alumni Professor and head of the Department of Molecular Biology and Pharmacology, said Goldberg’s appointment as director of the program last year reflects his many strengths. “Dan is an absolutely brilliant scientist, an outstanding physician and a great teacher. He has an essential humility despite his brilliance that inspires students, motivates colleagues to seek his advice and makes him a wonderful role model.”

**A terrific mentor**

Students Goldberg has trained agree with Gordon. David Sullivan, M.D., spent four years in Goldberg’s lab before becoming an assistant profes- sor at Johns Hopkins School of Public Health. Sullivan also feels that Goldberg a terrific mentor. “Not only does he instill a curiosity for science, but he also teaches you to verify your research findings in multiple ways,” said Sullivan.

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