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T

en St. Louis-area high school biology teachers are at Washington University this summer as part of an innovative research transfer program. The program, sponsored by the American Society for Biochemistry and Molecular Biology (ASMBB), based in Bethesda, Md., involves high school teachers who work on cutting-edge research with university mentors. These clusters of university and high school teachers exist in several regions throughout the United States.

The teachers, many of whom have been away from university laboratories since their undergraduate days, are provided a $5,000 stipend for the 12-week experience, as well as $500 to provide materials for new experiments in their high school laboratories during the upcoming school year. Their goals are to learn new techniques in biochemistry and molecular biology and to transfer some of their knowledge into high school laboratory experiments and lessons.

"The program seeks to make high school teachers aware of what's happening in modern biology," said Sarah C. R. Elgin, Ph.D., professor of biology and ASMBB mentor of Todd Omaha, a high school teacher at Whittfield School in St. Louis. "There's been a revolution in modern biology over the past 10 years, and many high school teachers who graduated in the 70s and early 80s, for instance, haven't had opportunities to keep current with these techniques and developments."

The National Science Foundation (NSF) has teamed up with ASMBB this year to sponsor 50 high school teachers nationwide in the summer programs. Washington University has a full 20 percent of the recipients practicing here. ASMBB is concentrating its program, now in its fifth year, on a "cluster" concept, which stresses interaction between the 10 high school teachers in weekly meetings where they share individual projects and expertise with their fellow teachers.

"This is our first funding of a cluster for high school teachers over the best way to impart and spread the knowledge. Everyone agrees that the research experience is good for the teachers, but the concern is whether the practice of granting individual fellowships effectively gets the knowledge into the high school classroom. She said, "Personally, I like a model that lasts for two summers. So much is being packed into one 12-week session — including research, curriculum development, small group and whole group meetings — that it's hard to get an evaluation of the program's effectiveness. I think our cluster will be evaluated as a sort of benchmark, for the cluster concept."

Back to school

University mentors explain latest research methods to high school teachers

From left, high school students Ada Sam, Cerise Cohee and Leonard Toms participate in a confidence-building exercise. The exercise was part of the Minority Undergraduate Educationhip Program, which encourages students who are thinking of operating their own business as a viable career alternative. The program, offered each summer to about 20 high school teachers in the St. Louis region, is sponsored by the John M. Olm School of Business and the Urban League of Metropolitan St. Louis.

Orientation connects new students to campus computer network

From showing students how to "Get Connected" to the campus-wide computer network, to acquainting them with South 40 activities, this year's orientation program is designed to help Washington University's approximately 1,200 new students "sink the most of their four years," said Marcia Hayes-Harris, director of orientation in the Division of Student Affairs. The 1995-96 orientation program is scheduled for Aug. 18-23. Besides explaining how undergraduates can take advantage of a myriad of opportunities throughout their stay at Washington, orientation also will promote small-group interaction among students and their peers, faculty and administrators in an attempt, through informal settings, to make students feel comfortable with their new environment, said Hayes-Harris. Both the Task Force on Undergraduate Education and the University Management Team's Student Experience Cluster have made recommendations encouraging such emphasis during orientation.

The new orientation programs are "Get Connected," a series of hour-long sessions where students can try out a host of computer network options available at the University. "Forty Feet," which allows students to explore the South 40 with their newly arrived peers; and "Discovering Washington University," James E. McLeod, dean of the College of Arts and Sciences, will offer advice on beginning the transition to college during this event.

"Get Connected" is the brainchild of Kristen J. Mathews, a 1995 alumnus of the College of Arts and Sciences. Mathews, who received a bachelor's degree in mathematics and political science, with a minor in philosophy from Washington University, said she felt new students could benefit greatly from learning about resources available on the campus-wide network and the Internet. Mathews, who...
Alan Schwartz named head of pediatrics department

Alan Schwartz, also professor of molecular biology and pharmacology, was named Teacher of the Year at the School of Medicine in 1988. He developed and heads a graduate education program called the Markley Pathway, which teaches doctoral and postdoctoral fellows about human biology. Schwartz is renowned for his pioneering research in the field of receptor-mediated endocytosis, an area of receptor biology. Receptor-mediated endocytosis is the process by which proteins molecules from outside a cell gain entrance. Once inside, they provide that cell with growth control information, nutrients or signals that instruct it to develop or differentiate.

His research addresses the biology of nutrient transport to the fetus as well as the molecular regulation of the turnover of proteins involved in blood clotting and clot dissolution. He has extensively studied tissue plasminogen activator, a drug used to treat blood clots.

Schwartz received the Young Investigator Award from the Society of Pediatric Research in 1983 and an American Heart Association Established Investigator Award from 1985-1990. He serves on many national and regional committees related to child health and oncology and also serves on numerous editorial boards.

In addition, he is Distinguished Visiting Professor of Cell Biology at the University of Utrecht in the Netherlands.

BJC Health System announces recipients of funding awards

The BJC Innovations in Healthcare Program has announced its first-cycle funding awards. This new grant program was designed to fund short-term projects that investigate ways to improve the value of healthcare delivered in the BJC Health System. The following awards were given:

Lawrence T. Goodnough, M.D., and Terri Monk, M.D., Barnes Hospital: a study of acute coronary syndrome localization as a cost-effective method of blood conservation for surgical patients, $20,000.

Dorothy Mostello, M.D., School of Medicine, a trial of outpatient cervical screening with dinoprostone gel to reduce the admission-to-delivery interval in pregnant women having induction of labor at term, $18,631.

Martin Kolhef, M.D., Missouri Baptist Medical Center; post-operative regional analgesia for major orthopedic lower extremity extremities at Missouri Baptist Medical Center, $17,652.

Pam Lesse, Barnes Hospital, a randomized, controlled study on the effect of a lay, trained labor assistant on birth outcomes, $20,000.

Robert P. Foglia, M.D., St. Louis Children's Hospital, a comparison of early hospital discharge with daily outpatient care among patients with continued inpatient burn care in children, $18,400.

J. Russell Little Jr., M.D., School of Medicine and Jewish Hospital; Patrick Murphy, M.D., Barnes Hospital; a comparative study of blood culture site selection following ventriculoperitoneal shunt site disinfecion with isopropyl vs. iodophor, $11,160.

Craig H. Leicht, M.D., and Joseph P. Slimack, M.D., Missouri Baptist Medical Center; post-operative regional analgesia for major orthopedic lower extremity extremities at Missouri Baptist Medical Center, $10,000.

Sonja Howard, Christian Hospital Northeast; Kathleen Dougherty, Chris- tian Hospital Northeast; the effectiveness of early continuous lateral rotation therapy for mechanically ventilated intensive care unit patients in some diagnostic-related groups, $2,800.

Dr. Schwartz joins the School of Medi-
cine faculty in 1986 as professor of pedi-
iatrics and pharmacology, and head of the
Division of Pediatric Hema-
ology/Oncology. He was
named Alumni Endowed Professor of Pediatrics a year later.

Dr. Schwartz to bring this most
important position outstanding talents as a
researcher, clinician, educator and administra-
tor," Peck said. "His leadership
will perpetuate and enhance one of the
premier academic pediatric programs and
children's hospitals in the world, the
anitonic-like cells as they creep over the
surfaces of plastic dishes. He was surprised
to find that the cells traveled 3 centimeters
in four days — 600 times their length. The
most active came from patients with the
most malignant brain tumors. "This sup-
ports the idea that the degree of malignancy
of a brain tumor relates to the ability of its
cells to migrate into other parts of the
brain," Silberfeld said.

Schwartz and his team (Michael Chioce, M.D., and research technician Cynthia Meda) knew that the anti-
cancer drug Taxol "locks up" the cellular skeleton, which assembles and disas-
ssembles as cell moves. "We thought that
giving Taxol to the cells would prevent
them from moving and present a double
whammy to these tumors," he said.

Just the opposite happened. Although
Taxol killed many of the cultured glioma
cells, it made the survivors migrate even
faster than ever, in a dose-dependent fashion.

Taxol is being given to brain tumor
patients in Phase II clinical trials. "But our
findings raise a cautionary note," Silberfeld said. "We may be making brain
tumor cells more invasive. Taxol may also
afflict the migration of tumor cells in
patients with ovarian and breast tumors." Silberfeld's team also has implanted
either rat brain tumor cells or brain tumor
cells that had migrated from the tumor
into the brains of healthy rats. Both
formed new tumors at the same rate.

Silberfeld said he believes investigations
should shift their focus away from visible
tumors. "Because surgery alone will not
cure these tumors, we need to pay more
attention to the migrating cells," he said.

"By exploiting differences between the
invasive cells and the cells in the tumor,
we may be able to devise better therapies." These studies were supported by grants
from the National Institutes of Health and
Washington University's McDonnell Center for Molecular and Cellular Biology.

They were published in the April issues of
the Journal of Neurosurgery and
AntiCancer Drugs.

Linda Sage
Cooper broke lung transplant barrier

Joel Cooper, M.D., left, and his son, Josh, a fourth-year medical student, consult with pulmonary patient John Leite.

"You don't allow yourself to imagine that the transplant is going to be successful because you want to be too disappointed.

Surgery helps emphysema patients breathe easier

Cooper's experience with lung transplants recently has led to the early success of a new surgery for patients with severe emphysema. The procedure, called volume reduction surgery, involves removing the most damaged portions of emphysema patients' lungs. Reducing the size of the lungs dramatically improves lung function and helps patients breathe easier.

Cooper performed the first procedure in January 1993. Since then, more than 100 patients have undergone the surgery at Barnes Hospital. The overall improvement in patients' breathing capacity is 55 percent. For those severely disabled patients, this translates into a marked improvement in the quality of their lives," Cooper said.

Emphysema, most often caused by cigarette smoking, affects an estimated 1.6 million Americans. The irreversible disease causes the lungs to lose their elasticity, damaging their ability to expand and relax as a person breathes. Over time, less oxygen gets into the bloodstream, and, to compensate, the lungs enlarge until they fill the chest cavity.

"Emphysema is like breathing in as far as you can and living with your chest in that position for the rest of your life," Cooper said. "That's what happens to these patients — their lungs are fully expanded and they can barely breathe."

Until now, only the hope for patients with end-stage emphysema was a lung transplant. "Had it not been for the observance made in our train, said Patterson, who followed Cooper from Toronto to St. Louis. "Joel is incredibly bright and energetic, and extremely generous with his ideas. He recruited top people here and insisted upon having the specially trained staff and facilities crucial to an outstanding program. A less visionary person would not have been as successful."

But Cooper is quick to caution that the surgery is not a cure for emphysema. "These patients may continue to experience deterioration from emphysema, but if we can reverse the clock by two, three, five years, that would be more, then we will think it will be very worthwhile."

Cooper and his colleagues were encouraged by follow-up studies on patients who have undergone the surgery. "The bottom line is we're enthusiastic," Cooper said. So far, four patients have died following the surgery, over the age of 70, which has caused Cooper to re-evaluate the criteria for surgery in the future.

Since Cooper first presented results of the new surgery at a meeting of the American Association for Thoracic Surgery in April 1994, his office has fielded more than 1,000 phone calls from patients interested in learning more about the procedure. Only patients who have quit smoking for at least six months can be candidates for the surgery.

Cooper retained an interest in surgery after graduating from Harvard Medical School in 1964, he accepted a surgery internship at Massachusetts General Hospital. The Harvard-affiliated hospital had one of the few respiratory care units in the country, and it was there that Cooper developed an interest in pulmonary physiology and respiratory care.

Under the direction of Hermes Grilli, M.D., a well-known pioneer in surgery and medicine, Cooper conducted research on airway injuries that occur in patients on ventilators. He traced the injury right back around the airway tube. That observation led the pair to develop a soft cuff, a version of which is used today in virtually all endotracheal and tracheostomy tubes.

"He was among the best," Grilli said. "He was a very bright guy. I saw him as a very competent surgeon."

In order to get the proper training in thoracic surgery, Cooper trained in Boston and London before settling in Toronto in 1972. After building a successful lung transplant program at the University of Toronto, Cooper said he was ready to move on. He and his wife, Janet, wanted their four sons to be educated in the United States, and the Canadian government's cutbacks in medical research funding were beginning to hurt the university research program. "And, too, I think I was beginning to coast a little bit and I'm not a coaster. I like a challenge," he said.

"As it turns out, I was able to have my cake and eat it, too," Cooper said. "I've found an extremely supportive environment here. And we have a strong program here than I ever could have had in Toronto."

Cooper's love for his work appears to have had at least some influence on his oldest son, Josh, who is a fourth-year medical student at Washington University. The younger Cooper, who is trying to decide between a career in internal medicine or surgery, said his father has taught him a lot about caring for patients. "Josh is an interested and caring for patients never ends," said Josh Cooper. "You don't punch out at the end of the day and leave the care of your patients with someone else. My father is always on the phone when he's away from the hospital. I think his patients understand how much he does for them.

Cooper generously credits his wife for playing a leading role in raising their children and providing stability in their household while he spent long hours at the hospital. Even today, he rarely arrives home from work before 9 p.m., which is a problem for someone who also is an avid gardener.

He and Janet have installed floodlights in their back yard, which enable them to enjoy their hobby even at night. "We sometimes plant flowers at two o'clock in the morning. The neighbors think we're a bunch of mental cases."

— Caroline Decker
Calendar

Exhibitions


Calendar guidelines

Events sponsored by the University — its departments, schools, centers, organizations, and the recognized student organizations — are printed under "Calendar." All events are free and open to the public, unless otherwise noted.

Calendar submissions should state time, date, place, type of event, name of speaker(s) and affiliation, and admission cost. Quality promotional photographs with descriptions are welcome. Send items to Judy Ruthland at Box 1070 (or via fax: 935-4259). Submission forms are available by calling 935-4259.

The deadline for all entries is noon Tuesday one week prior to publication. Late entries will not be printed. The Record is printed every Thursday during the school year, except holidays, and monthly during the summer. If you are uncertain about a deadline, holiday schedule, or any other information, please call 935-4256.

Lectures

Friday, Aug. 18

7:30 p.m. Astronomy lecture. "From Dust to Fire: The Youngest Stars," Bruce A. Ackerman and Elsa L. Wentling will distribute whistles. Student Union Hall. 935-4614.


Friday, Aug. 22


Music

Tuesday, Aug. 22

6:30-8 p.m. Music auditions. WU Symphony Orchestra and Wind Ensemble will hold winds, brass and percussion auditions with music director Don Proctor in Tjeltvedt Rehearsal Hall. Open to all qualified musicians in the St. Louis area. Call 935-7405 to schedule specific times.

Saturday, Aug. 26

1-3 p.m. Music auditions. WU Symphony Orchestra, Wind Ensemble and Bell Towers will hold auditions for the WU Symphony Orchestra and Wind Ensemble in Tjeltvedt Rehearsal Hall. Open to all qualified musicians in the St. Louis area. Call 935-7405 to schedule specific times.

Performances

Wednesday, Aug. 23

7-11 p.m. Performing arts auditions. The Performing Arts Dept. will hold auditions for the fall productions. Auditions continue Aug. 24, same time. Open to WU community, students will be held at 314 Mallinckrodt Center. Auditions will be held by the directors of the various departments.

Orientation promotes interaction between faculty, new students — from page 1

begins law school this fall at Boston College in Newton, Mass., created a proposal and donated support from several student groups and administrators, said Kathy Amip, associate director of Student Computing Services.

Nine "Get Connected" sessions will be held simultaneously on Tuesday, Aug. 22, at various campus computer labs. As of July 31, about 200 students had signed up for the sessions led by residential computer consultants, who also are students and live in the residence halls. Amip said she hopes that more than 500 students will sign up before the event begins.

In keeping with such orientation themes as introducing students to campus resources and helping them get to know each other, "Get Connected" will show students how to communicate with faculty and friends through e-mail and learn about campus resources via the World Wide Web — the interlinked digital space for thousands of Internet users. The sessions will be "as introductions to everything," noted Amip, adding that students will receive "Get Connected" buttons and a pamphlet containing computer tips.

Among the offerings on the World Wide Web will be "welcome," a University Career Center and Campus Bookstore store, along with the Washington University home page — introductory screens with photos and a list of links describing the institution. By using the home page, individuals can find more information about topics ranging from student services to the online calendar to the Wash- ington University Libraries. WorldWide on the Internet enables students to access material in libraries and other resources around the globe.

To introduce students to their new home, "Festy Fest" will be held on Friday, Aug. 18, at various locations on the South 40. Representatives from KWUR, the student-run radio station, will provide music as the newcomers discover social general campus hot spots for social gatherings and the NASA Missouri Space Grant Consortium. In 162 McDonnell Hall. 935-4614.

Inauguration schedule of events

The following events will take place on Oct. 6 and 7.

Inaugural Symposium on "Learning and Discovery: Gateway to Increase" May Auditorium, John E. Simon Hall 8:30 a.m. Continental Breakfast 9:00 a.m. 10:15 a.m. Break 10:30 a.m. "Science and Industry" II 11:45 a.m.-Noon Closing Remarks by Chancellor Mark S. Wrighton

Inaugural Festival (Student event)

Bowles Plaza (Rain Location: Mallinckrodt Center) Noon-2:30 p.m.

Inaugural Luncheon for Invited Guests

Women's Building Lawn (Rain Location: Francis Gymnasium) 12:30 p.m.-1:30 p.m.

For more information, contact the Inauguration Office, Washington University. Campus Box 1246, One Brookings Drive, St. Louis, MO 63130-4899, 935-8616.

The Inaugural Festival will be two events, one for students and one for visiting dignitaries representing other universities, the University’s societies and other special guests. For students, the Inaugural Festival will begin at noon in Bowles Plaza. The other event, for invited guests, is the Inaugural Luncheon. It will begin at 12:30 p.m. in a tent on the Women’s Building Lawn. The Inaugural Festival will be two events, one for students and one for visiting dignitaries representing other universities, the University’s societies and other special guests. For students, the Inaugural Festival will begin at noon in Bowles Plaza. The other event, for invited guests, is the Inaugural Luncheon. It will begin at 12:30 p.m. in a tent on the Women’s Building Lawn.

Beginning at 2:45 p.m., a procession of visiting delegates and Washington Univer- sity faculty will make its way to Brooks Quad and the Installation Ceremony, which begins at 3 p.m. The ceremony will feature brief remarks by representatives of the Washington University Trustee Board, the faculty, the student body, the administra-

tion and staff, and the alumni and par- ents. Chancellor Wrighton will make his inaugural address during the ceremony.

"This will be an opportunity for the entire University community to hear from Chancellor Wrighton about his vision and priorities for the future of Washington University," said Blasingame. "After all, inaugural presentations never begin again." The ceremony will be at 3 p.m., which will include refreshments and stu- dent entertainment, will be held on the Women's Building lawn and is open to the entire University community.

The evening student event, an Inaugural Gala at 8:30 p.m. in the Field House, will be the final inauguration-day event. The grand gala is a special event that offers students the opportunity to meet Chancel- lor Wrighton.

Above is a preliminary schedule of events for the Oct. 6 inauguration. Upcom- ing events would contain more information.

Students plan Inauguration events — from page 1

quires no registration. "We’re going to make a point of encouraging students to attend the symposium," Wrighton said. "If I were a student, I would be listening to apparatus the history of the community to the work of the 21st century."

"Honoring the Inaugural Symposium will be two events, one for students and one for visiting dignitaries representing other universities, the University’s societies and other special guests. For students, the Inaugural Festival will begin at noon in Bowles Plaza. The other event, for invited guests, is the Inaugural Luncheon. It will begin at 12:30 p.m. in a tent on the Women’s Building lawn.

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Students plan Inauguration events — from page 1

We’re really excited about all the new programs because they offer members of the University community a chance to connect with students and their families — both individually and collectively," said Hayes-Harris.

Besides the new fritivities, the orien- tation committee again is sponsoring St. Louis Live in Brooks Quad, a picnic featuring food from popular local eateries and a variety of entertainment. New students will attend St. Louis Live on Sunday, Aug. 20, immediately after meeting with their faculty advisers. In order to provide more opportunity for faculty-student interaction outside the classroom, faculty advisers and their families have been invited to St. Louis Live this year.

"St. Louis Live is designed to create a more understanding relationship between faculty and students," said junior Eve Landman, who, as a programming assis- tant for the orientation committee, is helping to create the event. "It’s dubbed "Letting Go," in which Justin X. Carroll, dean of student affairs, details student services, and Karen Levin Coburn, asso- ciate dean for student development and co-author of "Letting Go: A Parent’s Guide to Today's College Experience," hosts a presentation, along with several student leaders, on the trials and triumphs of the first-year experience; meetings on various career fields sponsored by the schools; a talent show with such performers as the Muma's Pot Roast student comedy troupe; a barbecue; a "Hilltop Hangouts" introduction to sev- eral hot spots for social gather- ings, which includes square dancing in Bowles Plaza, a coffeehouse in The Gargoyle, ballroom dancing in Holmes Lounge, Ridgley Hall, and comedy club shows in Brown Hall.

Also scheduled are a potpourri of events designed especially for interna- tional, commuter and transfer students.

For more information, call 935-6679.

Carolyn Sanford
T he 36th Assembly Series opens on Aug. 30 with a lecture by Stephen Jay Gould, Alexander Agassiz Professor of Zoology at Harvard University. His lecture, titled "Evolution and Human Equality," is scheduled at 11 a.m. in Sanders Chapel.

Gould has received numerous awards and honors, among them a National Book Award in 1981 for "The Mismeasure of Man." He teaches geology, biology and the history of science at Harvard.

Student-faculty committee plans Assembly Series lectures, which are free and open to the public. Some lectures may have limited space available. Seating is by ticket; requests for tickets are otherwise noted, lectures take place at 11 a.m. in Sanders Chapel.

On Sept. 6 the fall series continues with the Woman's Club/Mortar Board Lecture that will feature a reading with commentary by feminist and cultural critic Katha Pollitt. In her pieces for The Nation, The New Yorker and The New York Times, Pollitt sidesteps partisan criticism to focus on issues that women face. In her sept. 13 address. Gates' book "Colored People: A Memoir" that diversity in his Sept. 13 address. Gates' book "Colored People: A Memoir" was released in October 1994 and focuses on the experiences of African Americans in America. In his address, he will draw from his book's insights to discuss the importance of diversity in today's society.

On Sept. 9, the lecture series continues with the Weltin Lecture in Religious Studies at 4 p.m. in Piirpan Hall Auditorium. Brandt's current projects include a social and cultural history of smoking in American life, a translation of the works of the eighteenth-century French philosopher, educator, and economist Amor Symons. Sen's lecture is titled "Social and Economic Justice: A Philosophy of Development." He will discuss the philosophical underpinnings of his work on poverty, development, and human rights.


On Sept. 18, the lecture will feature "Evolution and Human Equality." Gould is a world-renowned paleoanthropologist and conservationist and is known for his work on evolutionary theory and the history of science. His lecture will focus on the role of evolution in understanding human diversity and the importance of protecting the environment.

On Sept. 25, the lecture will feature "The Holocaust and Mass Death: Variations and Differences." Amartya Sen, the Nobel Prize-winning economist and philosopher, will discuss the history and impact of the Holocaust and other mass death events.

On Oct. 2, the lecture will feature "Enlarging the Picture: Women in the American Scene." Katha Pollitt, a feminist writer and activist, will discuss the role of women in American culture and politics.

On Oct. 9, the lecture will feature "The Widening of Cultural Diversity." Amartya Sen will discuss the importance of cultural diversity and the challenges of maintaining a pluralistic society.

On Oct. 16, the lecture will feature "The Widening Framework: Women in Film." Katha Pollitt will discuss the role of women in the film industry and the challenges they face.

On Oct. 23, the lecture will feature "The Rise and Fall of the Cigarette: Risk, Science, and Regulation." Pollitt will discuss the role of science in shaping public policy and the impact of tobacco on public health.

On Oct. 30, the lecture will feature "Evolution and Human Equality." Gould will discuss the role of evolution in understanding human diversity and the importance of protecting the environment.

On Nov. 6, the lecture will feature "The Holocaust and Mass Death: Variations and Differences." Amartya Sen will discuss the history and impact of the Holocaust and other mass death events.

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On Nov. 27, the lecture will feature "The Widening Framework: Women in Film." Katha Pollitt will discuss the role of women in the film industry and the challenges they face.

On Dec. 4, the lecture will feature "Evolution and Human Equality." Gould will discuss the role of evolution in understanding human diversity and the importance of protecting the environment.

Amen! Alleluia!

Volleyball team enters 1995 campaign with proven power

The buzzards are circling. Everyone knows it. For the first time in the decade of the 90's, the rest of the Division III volleyball world swoops in a season with some degree of to-the-top optimism. Amy Albers is gone. Alleluia! But just as the birds of prey consider their meal, the buzzards of NU must be met before they can even begin to think about the next step. That has certainly helped us keep our focus for the season.

On Sept. 3, the Bears won 24 games and finished fourth in the NCAA tournament. Since 1990, however, Washington has already chalked up 30 victories and four wins in a second-round tournament. "The goals that we set for ourselves last season must be met before we can even begin to think about the next step. That has certainly helped us keep our focus for the season.

"The goals that we set for each player last season must be met before we can even begin to think about the next step. That has certainly helped us keep our focus for the season.

TheNU Bears have the talent to contend for another conference crown. Defensively, four all-conference players return, led by junior defensive specialist Kaye Blue and senior libero Jessica Hara. Forty players, including senior就在于前的一篇论文中，作者提到人工智能的发展和其中的伦理问题。作者认为人工智能的发展需要遵循一定的伦理原则，以确保技术的发展不会对社会和环境造成负面影响。同时，作者还讨论了人工智能在医疗、教育和交通等领域中的应用，并指出这些技术的发展和应用需要在伦理和法律框架下进行。

The 1995 Assembly Series lineup

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The 1995 Assembly Series lineup offers a diverse range of lectures focusing on various topics, including culture, science, politics, and religion. The lineup includes lectures by prominent thinkers and scholars, providing a comprehensive overview of contemporary issues. The series aims to stimulate discussion and promote understanding among attendees.
William P. Darby, Ph.D., professor associate dean for business affairs at the named vice dean for academic affairs for recruit school, has been named vice dean for Engineering and Applied Science, has been ing and policy department at the School of earned a doctorate in civil engineering from Carnegie Mellon University in 1975. He joined the engineering faculty at Washington in 1976 and became chair of the engineering and policy department in 1984. He has served in a variety of administrative roles in his career at Washington University. He will continue to over see the School of Engineering and the Arts, and Undergraduate Engineering Program with the University of Missouri-St. Louis. Moll becomes the chief financial officer and administrative matters and physical facilities. Moll is a certified public accountant, and received a master of business administration from Washington University in 1986. He began his career for the school as business manager in 1986. One year later he was appointed assistant dean of business affairs, and the School of Business Affairs in 1989.

Director of Photographic Services named

Joe Angeles has been named director of Photographic Services, announced M. Fredric Volkman, vice chancellor for public affairs. Angeles was named acting director last year, succeeding Herb Weiman. Angeles’ position as director became effective July 1.

“Joe Angeles is an outstanding photographer whose extensive experience at Washington University makes him an excellent choice to lead the Photographic Services,” said Volkman. “As acting director since last September, he’s done a terrific job.”

Joan Hall commissioned to design billboard

Joan Hall, associate professor of art, has joined the ranks of Andy Warhol, in the exception of Elgin. The other cluster consists of Fine Art Billboards in the United States. The billboard was commissioned by the New York-based advertising agency, TBWA, to create an original design for a one-of-a-kind Absolut billboard to be placed by the St. Louis Suburban Journals from 1983 to 1984 and a reporter and photographer for the Cuba (Mo.) Free Press in 1982. Angeles received a bachelor’s degree in communications in 1982 from Missouri Southern State University in Joplin.

Teachers plan to share lessons with others in area — from page 1

Teachers and their mentors are working on everything from gene therapy for hemophilia to sequencing deoxyribonucleic acid (DNA)’s commitment to the arts begins and cellular and conditions. Romona Hawkins-Miller, assistant professor of philosophy, has been named as assistant professor of education, and the Arts, and the School of Arts Education will continue to take on sickle cell traits in a “whodunit” sort of scheme. This should keep it fun and challenging. It will be something that the students can readily see and do.

The high school teachers meet every Friday to share what they’re learning. From their summer experience, they hope to have a booklet of lessons put together that they can share among themselves and with other area teachers. The booklet will be arranged around the special emphasis placed by the St. Louis Mathematics and Science Education Consortium at the University of Missouri-St. Louis. All of the Washington University sponsors are from the School of Medicine, with the exception of Elgin. The other cluster consists of Fine Art Billboards in the United States. The billboard was commissioned by the New York-based advertising agency, TBWA, to create an original design for a one-of-a-kind Absolut billboard to be placed by the St. Louis Suburban Journals from 1983 to 1984 and a reporter and photographer for the Cuba (Mo.) Free Press in 1982. Angeles received a bachelor’s degree in communications in 1982 from Missouri Southern State University in Joplin.

Arnold Strauss, M.D., professor of pediatrics and molecular biology and pharmacology, and Romona Hawkins-Miller, a Kirkwood High School biology teacher, run DNA samples through a polymerase chain reaction unit at the School of Medicine. She is one of 10 local high school teachers who are learning new research techniques at Washington University this summer.

Faculty receive summer research grants


Jonathan Hall commissioned to design billboard

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For the Record contains news about a wide variety of faculty, staff and student scholarly and professional activities.

Of note

George S. Gourco, M.D., Ph.D., a gastroenterology fellow in the Department of Internal Medicine at the University of Pittsburgh Medical School, received a Crohn’s and Colitis Foundation of America Research Award. The $180,000 two-year grant is part of a research initiative on inflammatory bowel disease, with the ultimate goal of finding new treatments for Crohn’s disease and ulcerative colitis. Gourco, who is pursuing a Ph.D. degree in epidemiology at the University of Pittsburgh Graduate School of Public Health, is working on a study of the relationship between diet and the development of Crohn’s and ulcerative colitis.

J.S.D., Howard A. Stamper

Sherrie M. Hauft, M.D., assistant professor of psychiatry, was named chair of the Department of Psychiatry and Behavioral Sciences. Hauft, who is also a member of the department’s faculty, has been involved in research on the treatment of depression and anxiety disorders. She is currently working on a study of the effectiveness of different therapies for the treatment of depression.

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Ph.D., professor of physiological acoustics in the department as well as interim director of the Center for Hearing Conservation Programs. During a panel discussion titled “The Making of U.S. Refugee Assessment and Policy,” presented a talk on “Sensory Aid Use and the Rehabilitation of the Deaf” at the American Association for the Deaf and the Hard of Hearing’s Annual Convention. The conference was held at the School of Law at the University of Virginia.

Deborah G. Moros, J.D., assistant professor of law, was a panelist at an event titled “The Role of Religion in Public Policy.” The event was held at the University of Pittsburgh School of Law.

James McGarrell receives Jimmy Ernst Award in Art

James McGarrell, professor emeritus of art, has received the 1995 Jimmy Ernst Award in Art. The award, which carries a $5,000 prize, is given annually to a “painter or sculptor whose lifetime contribution to his or her art has been both consistent and significant, according to a committee of the academy.” McGarrell’s award was one of four presented at the symposium.

James McGarrell is known for narrative paintings that draw upon themes from literature, opera and history. His complex compositions combine fragmented images, which academic members of the academy have described as “a whirling kaleidoscope of aspects of the most revolutionary developments of modern visual arts, such as Symbolism, Futurism, and Surrealism.”

McGarrell’s paintings are in the permanent collections of numerous National and Regional Art Institutions, including Metropolitan Museum of Art, Art Institute of Chicago, Denver Art Museum, Cincinnati Art Museum, Philadelphia Museum of Art, and Hirshhorn Museum and Sculpture Garden in Washington, D.C., and at the universities of Arizona, Massachusetts and Virginia.

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“Difference Unbound: The Rise of Pluralism in Literature and Criticism.” McGarrell has written extensively on the topic of pluralism, which he defines as “the recognition of the reality of pluralism in Western literature and criticism from the 18th to the 20th centuries.” He is the author of two recent studies of pluralism and the role of aesthetics in the development of modern Western literature and criticism.

Stamos Metzidakis, Ph.D., associate professor of Romance languages and literatures, is the recipient of the new award. Metzidakis, who is also a member of the department’s faculty, has been involved in research on the relationship between anxiety and depression in children. He is currently working on a study of the relationship between diet and the development of Crohn’s and ulcerative colitis.

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