Seven will receive honorary degrees

Washington University will award seven honorary degrees at its 129th annual Commencement ceremony, which begins with the traditional ad
nunciation process to Brookings Quad-
range at 8:30 a.m. on Friday, May 18, in case of rain, the event will be held at 10 a.m. at The Arena, 5700 Oakland
Ave. Approximately 2,400 are degree candidates for the ceremony.

The seven honorary degree recipients are: Zane E. Barnes, former head of southwestern Bell Corp.;
berald Becker, M.D., ophthalmolo-
ics; Francesco Masse Freeman, J.D.,
torney; W. L. Hadley Griffith, L.L.B.,
chairman of the executive committee
and former head of Brown Group
Inc.; Walter E. Massey, Ph.D., physi-
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Ophthalmology at the Washington
University School of Medicine for 35
years, Bernard Becker has estab-
lished one of the premier depart-
ments and training programs in the
country. The chairman of nine depart-
ments in the United States and at least
three departments in Europe either
completed their residencies or
conducted research under Becker.
A graduate of Princeton University and
Harvard Medical School, Becker, now
professor and emeritus head of the
department, is known worldwide for
his research into the causes and
control of glaucoma, an eye disease
that is one of the leading causes of
blindness in the United States.

Becker developed acetazolamide, a
drug used to control glaucoma, and
pioneered administering the drug to
human patients. He also worked with
his friend Robert Shaffer, M.D., in
writing one of the most widely used test-
books in ophthalmology, Becker-
Shaffer’s Diagnoses and Therapy of
the Glaucomas. The book is in its 16th
dition, Henry J. Kaplan, M.D., who
succeeded Becker as head of the oph-
thalmology department, says Becker’s
“ contributions to the understanding
and treatment of glaucoma assure his
place in history as one of the most
influential and important figures in
ophthalmology in this century.”

Growing up in a segregated society,
Frankie Muse Freeman
dreamed of becoming a lawyer who
could work to eliminate racial injus-
tice. In 1947 her dream came true,
and for more than 40 years, she has
been instrumental in helping others to
secure their civil rights. In 1964, in
recognition of her highly successful
career as a civil rights lawyer in Mis-
souri, President Lyndon Johnson
appointed Freeman to the six-member
U.S. Commission on Civil Rights, and
she was reappointed to the commis-
sion by Presidents Nixon, Ford and
Carter.

In 1979 Freeman resigned to ac-
tep President Carter’s nomination as
Inspector General of the Commu-
nity Service Administration, a position
accountable to the president and to
Congress and responsible for ferreting
out fraud, waste and corruption.

Senior send-off includes picnic with parents, float with friends

Whether they’re listening to the music of
Johnston Sebastian Bach during an
outdoor concert, or rooting for the St.
Louis Cardinals as they battle the Ar-
kanza Braves, Washington University’s
graduating seniors will have many
memories from Commencement Week
1990.

Scheduled for May 11-18, the week culminates with the University’s 129th Commencement ceremony at
8:30 a.m. May 18 in Brookings
Quadrange. (See page 1 for calendar
listing of events.)

“A lot of seniors are just waiting for Commencement Week to begin,” says Katie deNourie, president of the sen-
ed class. “When you get a chance to
work along with the other class officers.
“I’m so excited. All the interest in the activities makes me really happy.”

Continued on p. 2

Memories in the making

During the academic year, says
deNourie, a psychology major with a
minor in business, seniors are very
busy with the rigors of college life.
“Commencement Week is a time
when we can forget about everyone
else and really enjoy being together —
"enjoy being here in St. Louis and at
Washington University.”

Among the highlights of Com-
 mencement Week 1990 are a “Bagels
and Bach” outdoor concert to be held
at 4 p.m. May 17 at Mudd Field under
a temporary band shell, where sen-
iors, their parents, faculty and admin-
istrators will be able to socialize in an
informal atmosphere amid the music
provided by a local ensemble. Enrich-
ing the picnic-like atmosphere will be
hundreds of bagels, grapes and cheese
Continued on p. 2
Grant establishes computer laboratory

**AT&T equipment is 'invaluable' to teach engineering concepts**

Washington University has been awarded an equipment grant from AT&T valued at more than $750,000. The equipment and supporting software will be used by the School of Engineering and Applied Science to establish a computer-aided design laboratory in Capples II. Students in computer science and electrical and mechanical engineering will benefit from the grant, although the laboratory also will be available to all students in the School of Engineering and Applied Science.

Washington University is one of 47 colleges and universities selected that submitted proposals during the past year. AT&T donated $40 million to the 47 schools as part of its University Equipment Donation Program and has contributed more than $200 million in equipment since the program's inception in 1984.

"These grants are awarded to colleges and universities in order to propose innovative applications in computing and networking in support of research or instruction," said John Rocco, branch manager for AT&T Computer Science to Engineering and Applied Science. "Washington University is on the leading edge of instruction in the application of computer science to engineering curricula."

James M. McKevery, Ph.D., dean of the School of Engineering and Applied Science, hosted a breakfast meeting and program in Lopata Hall Gallery to announce the grant and provide a tour of the laboratory.

"We are pleased to have been selected by AT&T to receive this grant," said McKevery. "AT&T is an acknowledged leader in data networking and its products will prove invaluable in furthering our work in this area."

Richard A. Dammkoehler, professor of computer science, designed the new laboratory, and he and Kenneth L. Jerina, D.Sc., professor of mechanical engineering, authored the grant application for AT&T. AT&T donated 24 units of a minicomputer called the AT&T 3580, several printers, and two powerful multiprocessor computer-servers that make up the computer network.

"The 24 workstations in the laboratory give our students the chance to tackle design problems in a graphics-oriented environment that is becoming the wave of the future," today, said Jerina. "The computer workroom is replacing the drafting table to improve engineering productivity and accuracy. In the classroom, the equipment is invaluable to teaching engineering concepts that are considerably more complex than those that can be explained on a blackboard or chalkboard.

The AT&T equipment grant has provided the School of Engineering with a 26-fold increase in computing power, said Dammkoehler. "These grants represent a big boost to our educational efforts in computer-aided design," he said.

"While most of the activity in the laboratory will involve design activities, we will also be able to do creative work on developing new software to support our instructional programs. The machines are versatile educational tools."

**Send-off**

"...continued from p. 1"

along with tablecloths for seating.

In addition to giving parents the chance to spend a pleasant afternoon with their children and the University community, deNourie says the concert also will serve as a reception for seniors and their parents attending the Eliot Honors Convocation, which will be held at 2:30 p.m. that day at the Field House. This is the first year the Commencement Week Committee has planned an outdoor concert.

Other new activities scheduled for the week include an all-night party May 11 at Mudd Field that kicks off a Fairmont Park Race Track in Collinsville, Ill. There also will be a Gateway riverboat cruise along the Mississippi River, a rafting trip along the Meramec River, Senior Day at the Ballpark, a champagne brunch, a Phi Beta Kappa initiation ceremony and reception, and recognition ceremonies and Commencement receptions sponsored by the various schools.

The seniors will be able to pick up their caps and gowns from 8:30 a.m. to 5 p.m. May 15, 16 and 17 and during Homecoming in the Center's Lambert Lounge. Besides deNourie, the senior class officers are: Doug Sanderson, vice president; Vern Engbar, treasurer; and Arifna Athahawa, secretary.

"Senior Week is co-sponsored by Student Union and the Senior Students Association. For more information on Commencement Week, call 899-3040."
and to promote the building of the funds in 1987 to support the graduate category was Rebecca Haidt, received a second-place prize of $500. Life: Past and Present.” The students ate category for her collection titled "Feminism and Feminist/Myth and Mysticism." Seeser’s collection is part of a $1 million commitment made to the libraries. The conference is sponsored by the American National International Centre for Genetic Engineering and Biotechnology, New Delhi, India.

Bilsoe Rimoldi, D.Sc., visiting professor of architecture, has written a paper titled “A Decomposition Approach to the Determination of the Total Work of the Information Theory Society of the students. His work in the graduate and undergraduate categories respectively and received a first-place prize of $750. Anna Lamont’s book collection is titled “Archetypical Perspectives on Myth and Mysticism." The collection is on “Books of the Beatle Phenomenon.”

The second-place winner in the graduate category was Rebecca Haidt, a doctoral candidate in Spanish and comparative literature. Her collection is titled “Feminism and Feminist/Women’s Studies.” Haidt was born in Russia in 1963, a senior majoring in Russian, won the second place title in the undergraduate category for her collection titled “Concerning Russian Literature and Life: Past and Present.” The students received a second-place prize of $500. Five students won the first-place prize of $750, including Sven Thomasson, a senior consultant with Wiss, Janney, Elstner, Inc. of Oakland, Calif., examined more than 80 damaged buildings after the Loma Prieta earthquake, managing about 15 retrofit structured buildings. More than 2,000 buildings suffered major damage in the quake that measured 7.1 on the Richter scale and was centered approximately 60 miles from the Bay Area. The quake lasted between 6 to 7 seconds.

The performance of retrofitted structures I examined was mixed,” says Thomasson, who was retained by the Warfare Analysis Division of the United States Army Corps of Engineers and by the California Department of Transportation. “Some structures performed admirably, others not nearly as well. We are in the process of gathering more data for use in making the quake. The lesson of Loma Prieta is clear to residents of St. Louis. A certain amount of safety can be achieved for a minimum cost. If you don’t have that minimum safety, loss of life and damage to buildings can be astronomical.

Among the topics to be discussed at the short course are the retrofitting of bridges, steel, masonry and concrete structures, evaluation and retrofitting structures; emergency repair procedures; nondestructive testing, building isolation, or the replacement of existing foundations with more resilient material, such as rubber; and the performance of retrofitted buildings during earthquakes. The conference is sponsored by the National Society of Professional Engineers. The National Society of Professional Engineers, 4-1/4 Central Missouri State University in Warrensburg. The Washington team won all four matches they played. Some 16 schools, including Cornell University, Pennsylvania State University and Pennsylvania State University, competed for the national championship. The matches were not taped for television, as they were last year by the Disney Channel. In the Midwest Regional College Bowl Tournament, the Washington team lost 4-0, with two of the matches decided during the last minute of the game.

College Bowl team competes nationally; 13th Midwest regional win in 14 years

For the 15th time in 14 years, a team from Washington University won the Midwest Regional College Bowl Tournament and competed in the College Bowl National Championship Tournament. This year’s national tournament was held April 27-29 at the University of Minnesota in Minneapolis. In College Bowl, billed as “the varsity sport of the mind,” a quiz game format is set up to test students’ intellectual achievement and help them learn the material in their group participation. To receive points, students must correctly answer questions on a variety of topics, including history, literature, current events, science and art.

The members of the Washington team, all juniors at the time they competed at the national tournament, included Gellen of Huntsville, Ala., who served as captain, Bob Bobo of St. Charles, Ky.; Shane Bradley of Paducah, Ky.; Brian Christenson of Las Vegas, Nev.; and Thomas Seigel of Foristell, Mo. Daniel Lugdren, a 1989 graduate of Washington’s law school, coached the team. Virginia Thomas, director of student activities, served as the team’s adviser.

In the first round of the national competition, the Washington team lost its first game against the Massachusetts Institute of Technology (MIT). The team played a second game against Florida State University and was defeated by a score of 12-11. The results of the close match were decided during the last minute of the game.

The University of Chicago won the Midwest Regional Bowl, followed by MIT and third-place George Washington University. A total of 16 schools, including Cornell University, Pennsylvania State University and Pennsylvania State University, competed for the national championship. The matches were not taped for television, as they were last year by the Disney Channel. In the Midwest Regional College Bowl Tournament, the Washington team lost 4-0, with two of the matches decided during the last minute of the game.

The Washington team won the University’s intramural college bowl competition last fall. A total of 20 teams participated in that competition.
LECTURES

THURSDAY, MAY 10
5:00 p.m. School of Medicine Annual Carl G. Stanford Visiting Professor of Infectious Diseases Lecture: "Prospects for Prevention of HIV Infection With Vaccines"—director of Division of Infectious Diseases, St. Louis U. School of Medicine; Ph.D.; professor of microbiology and immunology, St. Louis U.; director, Academic/Research Corp. of St. Louis U.; M.D.; chief of research, Division of Infectious Diseases, St. Louis U.

FRIDAY, MAY 11
4:30 p.m. Dept. of Mathematics Colloquium: "Transplantation of Photoreceptors to the Retina: Anatomy, Immunohistochemistry and Molecular Mechanisms for Adapting to a Changing Environment"—Detrash Powers, Hopkins Marine Station, Stanford U. Room 199. (Refreshments will be served at 4 p.m. in room 203 Cupples I.)

Friday, May 11
Noon. Dept. of Cell Biology and Physiology Seminar: "Antigeneic Discoveries and Implications." Phillip Nijhout, professor, research and director, Developmental Morphology Corp. Carl V. Moore Aud., 660 S. Euclid Ave. Refreshments will be served at 12 noon in room 203 Cupples I.

5:00 p.m. Dept. of Mathematics Colloquium: "How Does the Brain Do Algebra?"—Theory to Algebraic Theory, "Samuel S. Schlafly, Dept. of Mathematics, SUNY at Buffalo. Room 199 Cupples I. (Refreshments will be served at 4 p.m. in room 203 Cupples I.)

Thursday, May 17
2:20 p.m. Eliot Honors Convocation for honor students, their parents and guests. Honors address by Walter E. Massey, U. of Chicago prof. of physics and vice president for research and for Argonne National Laboratory. Student address by John Alan Grimo, senior, in College of Arts and Sciences. Field House.

Friday, May 18
4 p.m. Central Institute for the Deaf Seminar: "Hearing Loss From Intemiment Exposure to Noise."—A. Survey, Paul Schweitzer, Dept. of Mathematics Colloquium, Boston College. Room 199. (Refreshments will be served at 4 p.m. in room 203 Cupples I.)

EXHIBITIONS

MUSIC

SATURDAY, MAY 12
7:00 p.m. Dept. of Music Presents an Indian Vocal Concert: featuring Karunada srirupa sous T.V. Sankaranarayanan. May Aud., Simon Hall. Concert for students is free, $3 for nonstudents. Channel 9 membership card holders and WU Porto-page Flutist Ronumajumdar. May Aud., Simon Hall. Cost: $15 for general public; $7.50 for students. For more information, call 889-0575 during office hours. Send items by electronic mail to p72245AC at WUVMC.

SUNDAY, MAY 13
2:00 p.m. Eliot Honors Convocation for honor students, their parents and guests. Honors address by Walter E. Massey, U. of Chicago prof. of physics and vice president for research and for Argonne National Laboratory. Student address by John Alan Grimo, senior, in College of Arts and Sciences. Field House.

Monday, May 14
8:00 a.m.-5:00 p.m. WC Center for Health Behavior Research Weight Loss Group for women who have problems associated with binge eating, directed by Linda Krug, Ph.D. Group will meet on Tuesdays. For more information, call 889-0572 during office hours. Send items by electronic mail to p72245AC at WUVMC.

Tuesday, May 15
4:30-5:30 p.m. Phi Beta Kappa Reception and Initiation Ceremony. Edison Theatre: reception in Gallery and Givens Hall; diploma ceremony in Memorial Union Bldg. (Rain location: Holmes Givens.)

Wednesday, May 16
8:00 a.m.-5:00 p.m. Commencement Week Calendar Deadline. Student Senate: main campus, 801 S. Euclid Ave. (Rain location: Wright Auditorium.)

COMMENCEMENT WEEK

FRIDAY, MAY 11
10:00 a.m. American Women's Studies, WU Department of Music: "Women, Music and Activism." For more information, call 889-5574.

SATURDAY, MAY 12
7:00 p.m. "Fare You Downclot," rafting on the Mississippi. Gateway riverboat cruise on the Mississippi. Reservations or more info., call 889-5574.

WEDNESDAY, MAY 16
8:00-9:00 a.m. Commencement Week Calendar Deadline. Student Senate: main campus, 801 S. Euclid Ave. (Rain location: Wright Auditorium.)

Wednesday, May 16
8:00 a.m.-5:00 p.m. Commencement Week Calendar Deadline. Student Senate: main campus, 801 S. Euclid Ave. (Rain location: Wright Auditorium.)