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Washington University

September 10, 1981

Hybridomas—‘DNA of the 80s’—subject of WU, Mallinckrodt $3.8 million research pact

The nation’s largest single university-industry agreement for hybridoma technology research, totaling $3,881,250, was jointly announced last week by WU and Mallinckrodt Inc. Hybridoma technology research involves the production of specific monoclonal antibodies from artificially created cells called hybridomas. The antibodies hold promise for greatly improving diagnostic medicine and clinical treatment of many diseases. Some scientists believe hybridomas will have the same impact on medical research in the 1980s that recombinant DNA had in the 1970s. The program will support hybridoma research guided primarily by Joseph M. Davie, head of the WU, Mallinckrodt $3.8 million research pact

Hybridoma technology research will be free to publish their research findings in scientific publications and to exchange new cell lines and antibodies with their peers. Mallinckrodt will have the option to license any development resulting from the hybridoma technology research it sponsors and will pay royalties to the University to be used to educate the University to be used to improve the education and research programs of the School of Medicine. Should Mallinckrodt desire not to license a research development, the University is free to license it to others. WU will retain titles to all resulting patents. A five-member committee has been organized to administer the research fund provided by Mallinckrodt. The committee will include four WU scientists and a fifth member appointed by the sponsoring company. WU representatives are: Davie; Paul E. Lacy, Edward Mallinckrodt Professor and chairman of the department of pathology; also pathologist-in-chief for Barnes and St. Louis Children's hospitals; David M. Kipnis, Busch Professor and chairman of the department of medicine, physician-in-chief at Barnes and Barnes; Edward Mallinckrodt Professor and chairman of the department of pathology, also pathologist-in-chief for Barnes and St. Louis Children's hospitals; David M. Kipnis, Busch Professor and chairman of the department of medicine, physician-in-chief at Barnes and Barnes; and Jay M. McDonald, an associate professor of pathology and Barnes Hospital physician. Thomas O. Osterling, vice president and general manager, research and development of the medical products group, will represent Mallinckrodt Inc. The support agreement will cover a three-year period and is to be reviewed at the conclusion of the second year for possible extension of this initial term. According to Chancellor William H. Danforth: “University scientists have gained basic laboratory knowledge and experience in this new technology with the aid of funding originally provided by the National Institutes of Health. These agencies encouraged the involvement of industry so that scientific innovations for the public good may be further developed and disseminated. Mallinckrodt Inc. is providing generous assistance to the University to support development of this technology in our laboratories with the hope of eventually making monoclonal antibodies available for the health and well-being of society.”

Master's in construction management established by civil engineering

A master’s degree program in construction management is being offered for the first time this fall by WU’s Department of Civil Engineering. The program consists of courses in basic business skills, such as investment strategy, finance and labor relations; and specialized courses in construction management techniques, including applications of computer technology. An important feature is an internship emphasizing field experience with local firms and agencies. The internships are being established with the cooperation of the Associated General Contractors of St. Louis, while the business component of the program is being developed under the advisement of the WU School of Business and Public Administration. The program is open to those with an undergraduate degree in engineering or a related field, and may be pursued on either a full-time or part-time basis.

The coordinator of the program is Arthur Money, vice president of Homer and Shiffin Inc., consulting engineers, and a WU affiliate professor for seven years. The faculty is composed primarily of people with broad professional experience in the field. Students enrolled on a full-time basis can complete the advanced degree in one year.
Five new students exemplify diversity, high accomplishments of freshman class

Every fall, the Record reports on certain characteristics of the entering class. With numbers and percentages, we describe how smart and accomplished they are, where they come from, what they intend to study.

While such a “profile” is useful in assessing the general well-being of the University, it tells little about the contribution the class will make during the next four years. That contribution can come about only through the accomplishments of individuals.

Meet five members of the class of 1985. They were selected specifically because they are, in some way, atypical. But then, in some way, so is each of our classmates.

Collecting baseball cards isn’t just kid stuff, Steven E. Katz, of Cleveland, Oh., will tell you. Katz, a collector since he was eight years old, now owns a collection of 140,000 baseball cards valued at $30,000.

Some statistics:

Of the 1994 students in the class of 1985, 160 are National Merit Scholars and 454 were elected to the National Honor Society in high school. More than half graduated in the top 10 percent of their high school classes.

They come from 48 states and 35 foreign countries; 18 percent hail from St. Louis. They are enrolled in every undergraduate school in the University: architecture, 57; business, 71; engineering, 204; fine arts, 59; and arts and sciences, 703.

With the savvy of those few who can spot riches in tattered baseball cards, Katz realized the money-making potential of baseball cards as a 12-year-old, when he saw cards selling for over $100 at a local card convention. He began studying the baseball card market.

Katz found that the value of cards is based upon age, scarcity and quality. Offers for one of the only 30 1911 Honus Wagner cards circulated have been as high as $40,000. The fact that some sets of 1981 Flair Company cards are flawed makes them even more valuable. Even the fortunes of the players on the cards influence their value. When Pete Rose broke Stan Musial’s record for life-time hits, the Pete Rose rookie card zoomed in value from $5 to $50.

It is unlikely that Katz’s zeal for card collecting will stop now that he is in college: the National Baseball Card Collectors Convention will be held in St. Louis next year.

If any new WU student might be expected to “knows the ropes” here, it would be Sanford Jay Boxerman. Enrolled in the School of Business and Public Administration, Boxerman is the tenth member of his family to attend WU.

Members of the Boxerman clan who have earned WU degrees include his father and mother, his paternal and maternal grandfather, a great-uncle, and two uncles and their wives. In all, they have earned five B.A.’s, two B.S.’s, two LL.B.’s, one M.S. and one D.S.

A graduate of Horton Watkins High School in St. Louis, Boxerman received the Harvard Book Award and was elected to the National Honor Society. He received academic awards in social studies, science, mathematics, English and business.

No slouch outside the classroom, Boxerman was co-captain of his high school cross-country team and chairman of the curriculum committee of Student Congress for two years.

Active in politics, he is presently vice president of the St. Louis County Young Democrats.

Victoria P. McGovern, of Tampa, Fla., is a writer with credits that a professional would hanker for. For three years, McGovern and several members of her family have written and published a monthly newsletter for fencing enthusiasts with a national circulation of 1,200.

From his first love is jazz, most of his musical experience has been with classical ensembles. He played in the All-State Band and the All-State Orchestra, as well as his high school symphonic band. But his greatest pleasure was playing with “The Black Hills Brass,” a group that performed at high school and country club dances. Rith says he got his musical talent and love for jazz from his father, an accomplished musician who performed professionally to pay his way through medical school.

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Her most impressive accomplishment, however, is a television script she wrote that became a nationally-broadcast feature on public television.

One day, her father, an assistant editor at the Tampa Tribune, announced that WEDV, the local public television station, was looking for someone to write a special on fencing. McGovern combined her interest in the sport and her writing ability to produce an hour-long special. Aired first in Tampa, it became the first program originating from the Tampa station to be broadcast nationally.
Business alumnus and wife establish MBA scholarship

A 1955 alumnus of WU’s School of Business and Public Administration, Vernon W. Piper, and his wife have established a full-citizenship, merit-based honor scholarship at the school which will be known as the Vernon W. and Marion K. Piper Scholarship.

The scholarship will be awarded annually to a candidate for the MBA. In announcing the scholarship, Robert L. Vagel Jr., dean of the school, said: “This scholarship is the first one of its kind in our MBA program. We are grateful to the Pipers for creating it, and will grant it to a student of exceptional ability who, in our judgment, shows great promise for a successful management career.”

Catherine Comer of Belleville, Ill., has been selected as the first Vernon W. and Marion K. Piper Scholar. Formerly executive director of the Belleville Family Young Men’s Christian Association, she left this position to become a future student this fall. Smith earned a BS with distinction in recreation from Indiana University in 1974.

Piper was associated with the A.C.L. Haase Co. for some 28 years, and is now a president of that firm.

Generous contributors to WU, the Pipers are members of the William Greenleaf Eliot Society. He is a member of the School of Business and Public Administration’s Century Club.

Exxon conductor takes up WU baton

Catherine Comer has been named director of the WU orchestra for the 1981-82 academic year. She recently was named the St. Louis Symphony Orchestra’s Exxon/Arts Endowment conductor for the 1981-82 season.

Comer will hold auditions for the orchestra from 2 to 5 p.m. Friday, Sept. 11, and from noon to 5 p.m. Saturday, Sept. 12, at Tiejen’s Rehearsal Hall, 6500 Forsyth. Auditions are open to all university students and local musicians. For more information and to schedule an audition time, call the Department of Music, Ext. 5151.

Comer, former conductor and music director of the University of Wisconsin (Madison) Symphony and Chamber Orchestra, earned a degree in orchestral conducting at the Juilliard School of Music in New York.

In 1968 she was a winner in the Dmitri Mitropoulos International Competition. Two years earlier she won first prize in the International Young Conductors Competition in Besancon, France.

A native of France, Comer has appeared as guest conductor with the BBC Symphony Orchestra, the Orchestre Philharmonique and the Orchestre National de l’Opera in Paris and the National Radio Chamber Orchestra in Iran.

Faculty Notes

Raymond E. Arvidson, associate professor of earth and planetary sciences, has been appointed professor of the NASA Regional Planetary Image Facility, will be one of three main lecturers at the NATO Conference on the Solar System. The conference, for graduate students from NATO countries, will be held Sept. 14-25 in the island of Volcano, Sicily. In November, Arvidson will lecture at a symposium on remote sensing of and lands at Cairo, Egypt. He will summarize the physics of wind-blown processes on Mars and Earth.

WU School of Medicine faculty members Richard P. Bunge, professor of anatomy and neurology, and D. D. Halverson, assistant professor of surgery, have been appointed to two of three exam committees of the National Board of Medical Examiners. Each of these committees are responsible for designing one section of the three-part examination given to medical students and physicians prior to their licensing to practice.

Bunge will chair the board’s Part I Anatomy Test Committee and will also serve as a member of the board’s governing body.

Halverson will serve on the board’s Part II Surgery Test Committee.

Professor of history Richard W. Davis will serve as senior visiting research fellow at Christ’s College, Cambridge, England, this fall. One of two scholars from Missouri to receive a senior National Endowment for the Humanities (NEH) grant, he left the campus in early June to pursue research in London before taking up residence in Cambridge. Davis is writing two books. One is concerned with the British Rothschilds (1797-1914); the other deals with the House of Lords during the Restoration, 1660-1685.

Jerry A. Johnson, WU professor of occupational therapy and Elias Michael Director of the Program in Occupational Therapy, and Ruthan B. Kannegierer, assistant professor of occupational therapy, presented a program titled “Research: A Bridge Linking Old Values . . . New Directions” at the annual conference of the American Occupational Therapy Association held in San Antonio, Tex. The theme related philosophical approaches to research, professional postures and treatment procedures.

With the presentation of his most recent award by the American Diabetes Association, David M. Kipnis, Busch Professor and chairman, Department of Medicine, has become the first person to receive three of the association’s most prestigious honors.

The three awards are the Banting Medal, the highest scientific honor the association gives; the Lilly Award, for recognized original research in diabetes; and, most recently, the Charles H. Best Award, the highest non-scientific honor given by the association.

The Charles H. Best Award was presented to Kipnis “for outstanding service in the cause of diabetics” at the association’s 41st annual convention in Cincinnati, June 13. Previous winners include then-senators Gale W. McGee and Richard S. Schweicker, Representative Louise Slaughter’s paper was entitled “A diabetic pitcher for the New York Yankees.”
Thursday, September 10
4:00 p.m. Department of Chemistry Seminar, "Anion Induced Rearrangements of Halomethyl Silylenes," Joseph D. Coxey, U. of Mo.-St. Louis. 311 McMillen Lab.
4:00 p.m. Neural Sciences Program Lecture, "Evidence at Activation of A1 Mediallary Caracho- lamine Neurons Causes Hyperpnea and Bradypnea," W. W. Blessing, dept. of neurology, Cornell U. Medical College. 4324 Eyring Aud., McDonnell Medical Sciences Bldg., 4570 McKinley.
4:00 p.m. Public Affairs Thursday Lecture, "Population Dynamics and Public Policy: An Overview," Alan N. Burstein, WU prof. of sociology, sponsored by the Center for the Study of Public Affairs and a grant from the Sperry and Hutchinson Foundation. Lambert Lounge, Mallinckrodt Center.
Friday, September 11
4:00 p.m. Division of Hematology-Oncology Lecture, "Coordinate Control of Gagpoliation and Fibrono- leyin Synthesis as Mediated Through an Endothelial Cell Thrombin Receptor," Charles Fiumes, dept. of pathology, U. of Okla. Health Science Center. Seventh floor conference room, McDonnell Medical Sciences Bldg., 4570 McKinley.
4:00 p.m.-midnight Train 31 Production's Walk-In Lay-Down Theater. WU Quadrangle. A barbecue at 4 p.m. is followed by a concert by The Association. At 8 p.m., two shows will be shown. Barbecue tickets, $5.25; meal cards will be accepted.

Woman's Club begins 71st year
The Woman's Club of WU, a social organization that sponsors cultural and educational activities, will begin its 71st year of service to wives of faculty and staff, and women faculty and staff, with a coffee hour at 10 a.m. Tuesday, Sept. 22, at the University House, 6420 Forsyth Blvd.

Newcomers will receive a one-year free membership. International wives are especially welcome to attend and be introduced to the WU community.

The club is divided into sections reflecting a wide range of interests, such as art, gardening, gourmet cooking, literature, current events and bridge. Activities include visits to the St. Louis Art Museum, the Missouri Botanical Garden and other areas of interest in St. Louis.

Events scheduled for the coming year include a potluck dinner at faculty homes in October, a luncheon and cooking demonstration in November, a luncheon and program at the Jefferson Memorial in December, and a Valentine's Day Ball in February.

Women interested in joining the Woman's Club should contact Amy Garfield, president, at 726-0689, or Linda School, chairwoman of the welcome committee, at 997-3648.

Performing Arts
Friday, September 18
8:00 p.m. Edition Theatre Series, Bella Lewitzky Dance Company, a ten-member modern dance troupe from Los Angeles, performing its eucharistic mix of dance, theater and music. Edition Theater. Tickets are $1 general admission, $5 for WU students. Tickets available at Edition Theater Box Office. (Also Sat., Sept. 19, Edition Theater, 8 p.m.)

Films
Thursday, September 17
7:30 and 9:30 p.m. WU Filmboard Series, "Jenah Who Will Be 25 In The Year 2000." Brown Hall Aud.
Friday, September 11
8 and 10 p.m. WU Filmboard Series, "Life of Brian." Brown Hall Aud. $2. (Also Sat., Sept. 12, same time, Brown.)
Midnight, WU Filmboard Series, "And Now For Something Completely Different." Brown Hall Aud. $1. (Also Sat., Sept. 12, midnight, Brown.)
Monday, September 14
7:30 p.m. WU Filmboard Series, "Birth of a Nation." Brown Hall Aud. $2.
Saturday, September 19
10 a.m. Women's Tennis. WU vs. Indiana State U.-Evansville. Truman Field.
Sports
Friday, September 11
7 p.m. Soccer. WU vs. Indiana State U.-Evansville. Truman Field.
Thursday, September 17
3:45 p.m. Women's Tennis. WU vs. Belleville Area College. WU Tennis Courts.
Sports
Friday, September 18
7 p.m. Soccer. WU vs. Aurora College. Francis Field.
Saturday, September 19
10 a.m. Women's Tennis. WU vs. Indiana State U.-Evansville. WU Tennis Courts.
1 p.m. Women's Volleyball. WU vs. Stephens College. Women's Building Gym.
1:30 p.m. Football. WU vs. Centre College. Francis Field. Admission $5; WU students free.

Calendar Deadline
The deadline to submit items for the calendar period of Oct. 1-10 is Sept. 17. Items must be typed and state time, date, place, nature of event, sponsor and admission cost. Incomplete items will not be printed. If available, include speaker name and identification and title of the event. Those submitting items, please note name and telephone number. Address items to Susan Kesling, calendar editor, Box 1142.

Exhibitions
"The Centennial Exhibition," a show of art works from the WU collection commemorating the 100th anniversary of the Gallery of Art. Upper, tower and print galleries, WU Gallery of Art. Bixby Hall 10 a.m.-5 p.m. weekdays; 1-5 p.m. weekends. Through Oct. 11.
"Jaschim Probings: Drawings," from the collection of Morris D. May, Baby Hall Gallery. 10 a.m.-4 p.m. weekdays; 1-5 p.m. weekends. Sept. 15-Oct. 2.

Library offers Olin tour
Several tours to acquaint students with the facilities of Olin Library will be held this week. Tours will assemble at the third level (ground level) reference desk of Olin on Wednesday, Sept. 9, at 2 p.m.; Thursday, Sept. 10, at 10 a.m.; and Friday, Sept. 11, at 3 p.m. Faculty members may arrange their own tours to introduce their students to specialized sections of the library. Those who cannot attend any of these tours and faculty wishing to arrange special tours should contact the reference desk, Ext. 5410.