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Biology of Dementia

Nobel Prize-winning neuroscientist gives McDonnell lecture on dementia

One of the world’s most remarkable neuroscientists, D. Carleton Gajdusek, M.D., will deliver the third James S. McDonnell Lecture Tuesday, Nov. 27, at WU.

Gajdusek’s public lecture, “The Biology of Dementia,” will begin at 8 p.m. in Graham Chapel. He is the keynote speaker for the second McDonnell Conference on Higher Brain Function. The two-day conference, titled “Biology of Dementia,” is sponsored by the McDonnell Center for Studies of Higher Brain Function at the School of Medicine.

During the conference, scientists from throughout the world will examine recent research findings on dementia, deterioration of intellectual function due to organic factors.

For information on the conference and speakers, see page 3.

Gajdusek is chief of the Laboratory of Central Nervous System Studies, National Institute of Neurological and Communicative Disorders and Stroke, at the National Institutes of Health (NIH). He was co-recipient of the Nobel Prize in physiology or medicine in 1976, receiving the award for his investigation for almost 20 years of the cause of kuru, a fatal neurological disorder killing the Fore people of New Guinea.

Kuru’s effects include shivering-like tremors, incoordination, increasing motor weakness, dementia and death. Gajdusek traced the origin of the disease to the ritual of cannibalism, practiced by the Fore people as a mark of respect for the dead. Eventually, he and his colleagues learned that kuru is caused by a slow virus, a viral particle requiring an incubation period of several years.

Because of the work of Gajdusek and his colleagues, scientists now know that other chronic neurological disorders of humans are caused by the multiplication of slow viruses, sometimes many years after the initial infection. In the late 1960s, Creutzfeldt-Jakob disease was shown to be caused by a slow virus-like agent. That finding has significant implications for a number of neurodegenerative diseases that involve dementia.

Continued on p. 2
Seth Carlin performs piano recital on replica of Konicke fortepiano

Seth Carlin, associate professor of music at WU, will present a fortepiano recital at 8 p.m. Friday, Nov. 16, in Steinberg Auditorium. The concert is free and open to the public.

Carlin will perform on a fortepiano which was built for him by Robert E. Smith of Boston, Mass. The instrument is a replica of a J.J. Konicke fortepiano dated 1796 and housed in the Germanisches Nationalmuseum in Nuremberg, Germany.

Program selections include works by Turk, Haydn, Beethoven and C.P.E. Bach. "The Turk, Bach and Haydn compositions have been virtually neglected in concert performances because they're not for harpsichord, nor do people try performing them on the piano," said Carlin.

According to Carlin, the fortepiano revival is a phenomenon of the past 15 to 20 years. Playing it has become common in Boston, New York and certain European cities, he said.

Carlin began performing at the age of nine. He holds degrees from Harvard, Juilliard and the Ecole Normale de Musique in Paris. A prizewinner in the Busoni Competition, Carlin has given solo recitals in New York's Town Hall and has appeared as soloist with major symphony orchestras and in prestigious chamber music festivals.

For more information, call the music department at 889-5581.

Author Barthelme to read from his recent works

Donald Barthelme, American short story writer and novelist, will read from his recent works at 11 a.m. Wednesday, Nov. 28, in Graham Chapel.

His talk is free and open to the public and is sponsored by the University's Assembly Series.

In his writings, Barthelme explores the possibilities and restrictions of language and its uses. His surrealistic work lacks plot, characterization and point of view as each is traditionally used in fiction. By using familiar language in unfamiliar ways, the author forces people to focus on his words, questioning their meanings.

Best known for his short stories, the author primarily writes about private tragedy resulting from emotional defeat.

Barthelme's short stories include *View of My Father Weeping*, Robert Kennedy Saved from Drowning and Bishop. He is a frequent contributor to The New Yorker.

PAA presents drama of Nazi persecution in labor camp

The Performing Arts Area at WU will present the premiere production of "Swan Song" at 8 p.m. Nov. 16, 17 and 18, and at 4 p.m. Nov. 18, in the Drama Studio, Room 208, Mallinckrodt Center.

"Swan Song," written by Dean Mendell, a WU doctoral candidate, is a winner in the 1984 St. Louis Playwrights Festival. The production is supported by the A.E. Hotchner Play Production Fund, a gift from Hotchner, author and University alumnus, and actor Paul Newman.

The drama takes place in a Nazi slave labor camp. It concerns a famous ballet dancer who, when wracked from the cultural elite and thrown into the madness of her new environment, is still determined to survive on her own terms. Playwright Mendell, also a teaching assistant in the University's English department, has based much of "Swan Song" on actual experiences of victims of Nazi persecution.

Pianist performs Schubert's works

Pianist Anton Kuerti will perform a recital of Schubert's works at 8 p.m. Saturday, Nov. 17, in WU's Edison Theatre. At 5 p.m. that day, he will present a lecture, which is free and open to the public, in Edison Theatre.

Born in Vienna, Kuerti emigrated to the United States at an early age and studied with musicians Arthur Loesser, Mieczyslaw Horszowski and Rudolf Serkin.

At age 11, he played his first important concert — the Grieg Concerto with Arthur Fiedler — and rose to prominence a few years later when he won the prestigious Leventritt Award. Since then, he has toured 25 countries and performed with the majority of North America's most famous conductors and orchestras.

His repertoire includes 35 concertos by 12 composers. His recordings of Chopin, Mendelssohn, Schubert, Schumann, Scriabin and others have been called "unsurpassable indeed" by High Fidelity magazine.

Townell conducts Chamber Orchestra

The WU Chamber Orchestra will present its fall concert at 3 p.m. Sunday, Nov. 18, in Edison Theatre.

Eric Townell will conduct a program of music for string orchestra, featuring the Sinfonia in F by G.B. Sammartini and the Symphony No. 9 in C minor, the "Swiss," by Felix Mendelssohn. To commemorate the important concert — the Grieg Concerto with Arthur Fiedler — and rose to prominence a few years later when he won the prestigious Leventritt Award. Since then, he has toured 25 countries and performed with the majority of North America's most famous conductors and orchestras.

His repertoire includes 35 concertos by 12 composers. His recordings of Chopin, Mendelssohn, Schubert, Schumann, Scriabin and others have been called "unsurpassable indeed" by High Fidelity magazine.

Gajdusek — continued from p. 1

Gajdusek received his medical degree in 1946 from Harvard Medical School, and served an internship and residencies in pediatrics at Columbia Presbyterian Medical Center in New York and Children's Hospital in Cincinnati. His training includes board certification of pediatrics, postdoctoral study of physical chemistry at the California Institute of Technology under Linus Pauling, John Kirkwood and Max Delbruck, and a fel-lowship in embryology with Viktor Hamburger, Ph.D., Edward Mallinckrodt Distinguished University Professor Emeritus of Biology at WU.

He joined the National Institute of Neurological and Communicative Disorders and Stroke in 1958. He is a member of the National Academy of Sciences and the American Academy of Arts and Sciences, and has been honored a number of times for his achievements.
Scientists gather for
McDonnell Conference

Outstanding scientists from throughout the world will meet Tuesday and Wednesday, Nov. 27-28, at WU to cover findings of the most recent research on the nature of dementia, deterioration of intellectual function due to organic factors.

The scientists will gather for the second McDonnell Conference on Higher Brain Function, to which this year is titled "Biology of Dementia." Presentations will concentrate primarily on discoveries related to Alzheimer's disease and other dementing illnesses.

The meeting is sponsored by the McDonnell Center for Studies of Higher Brain Function at WU's School of Medicine. The conference is second in a series that periodically brings together the world's finest scientists to go into various fields of brain research. This is a sequel to the first McDonnell Conference, "Leon Higashida at Function," held in 1982 to study Biology of Memory.

D. Carleton Gajdusek, M.D., will discuss "McDonnell Lecture, scheduled for 8 p.m. Nov. 27 in Graham Chapel. Gajdusek, chief of the Laboratory of Neurological Research, is famous for his work on Creutzfeldt-Jakob disease.

In addition to Gajdusek, nine other noted scientists will discuss their work during the conference, to be held in Moore Auditorium at the medical school. Their research interests range from brain transplantation to neurobiological and behavioral development, to the chemistry of the brain.

Speakers at the conference will include:

Paul R. Adams, Ph.D., professor of neurobiology and behavior at the State University of New York at Stony Brook;
Anders Birkland, M.D., professor of histology at the University of Lund in Sweden;
Leslie L. Iversen, Ph.D., executive director of the Neuroscience Research Center at Merck, Sharp and Dohme Ltd., in the United Kingdom;
Susan D. Iversen, Ph.D., director of behavioral pharmacology at the Neuroscience Research Center at Merck, Sharp and Dohme Ltd., in the United Kingdom;
Joseph B. Martin, M.D., Ph.D., chief of the neurology service at Massachusetts General Hospital and Julienne Dorn Professor of Neurology at Harvard Medical School;
D. Allan Stetson, Ph.D., professor of anatomy at Bowman Gray Medical School, Wake Forest University;
Donald L. Price, M.D., professor of pathology, neurology and neuroscience at the Johns Hopkins University School of Medicine;
Stanley B. Prusiner, M.D., professor of neurology at the University of California-San Francisco and professor of virology in residence at the University of California School of Public Health in Berkeley;
And Hans Thoenen, M.D., professor of neurochemistry at the Max-Planck Institute of Psychiatry in Munich, Germany.

The McDonnell Center for Studies of Higher Brain Function was established at WU in June 1980 through a gift of $5.5 million from the McDonnell Foundation. Earlier this year, the foundation announced that it will continue its support of the center's brain research through June 1985 with an additional $5 million gift. The center's mission is to provide the resources and environment for an interdisciplinary approach to understanding the brain's function.

Geroni social work develops here

Joel Leon, assistant professor in WU's George Warren Brown School of Social Work, recently received a grant from the Administration of Aging to develop a curriculum and train students in the new field of gerontic social work practice.

It is projected that by the year 2020, 45 million people in the country will be 65 or older. Leon and his colleagues have found that most social workers are not adequately prepared to serve older people, but the administrators are not ready to provide the resources necessary to train social workers. The goal of the grant is to help develop the first gerontic social workers with the skills to serve the elderly. The training program is the first of its kind in the country and is expected to serve as a model for the development of similar programs nationwide. The grant includes some tuition support for six students interested in the program, which begins in January 1985. For more information, call Joel Leon at 889-0682.

Goldman Fund donates listening system to Edison

An Infrared Listening System designed for persons with hearing disabilities recently was installed in WU's Edison Theatre. The purchase and installation of the components were made possible by the Irving and Beatrice Goldman Charitable Annuity Fund.

Goldman, who resides with his wife in Miami, Fla., is the brother of Sadie Goldman Edson, whose generosity to the University provided for the building of Edison Theatre.

The system will allow individuals seated anywhere in the theatre to hear a performance with increased intelligibility and amplification through a wireless, lightweight headset that can be worn with or without a hearing aid.

Basketball team prepares for season

Several outstanding newcomers join 15 returning lettermen this season as WU's men's basketball team prepares for 1984-85. With a large nucleus returning, coach Mark Edwards is anxious for the cage season to begin.

"There are several seniors who have been with us since the basketball program was revitalized four years ago and they are excited about the final season," Edwards said.

"The number of players involved with our program also is at a four-year high and as a result, practices have been very competitive.

Top statistical returnees for WU are Quincy, Ill., products Mark Sparrow and Scott Allen. Sparrow, 6-5 junior guard-forward, led the Bears in scoring in 1983-84 with a 12.8 points per game (ppg) average while Allen, 6-1 senior guard, finished second to Sparrow at an 8.4 ppg clip. Allen was also the assist leader for WU with an average of just over three per game.

Senior Fred Amos, Chicago, Ill., and junior Anders Onarheim, Asker, Norway, have returned this season for the Bears. Amos, 6-6 forward, was injured for a large part of last season and elected not to compete the 1983-84 season, but has rejoined the club this year. Prior to his injury, Amos averaged 13.6 ppg and 6.6 rebounds per game in 1983-84.

Edwards and his staff feel they had their best recruiting year, snagging several high school all-staters and all-district selections from across the country. Two St. Louis area cagers, Rob Bloemen, Highland, Ill., and Kevin Suiter, DeSmet High School, join the Bears and both were 18-point scorers at the prep level and participants in various high school all-star contests.

Mark Kemna, another local recruit, from St. Charles, was the biggest prize size-wise for the Battling Bears at 6-9.

WU's home opener will take place in the new WU Fieldhouse and will showcase the WU Lopata Classic. This extravaganza will feature MIT, Cal Tech, and Johns Hopkins. The event takes place Nov. 30-Dec. 1 and will follow the Bears season opener at MacMurray College on Nov. 17, and the Ohio Wesleyan Tournament in Delaware, Ohio, on Nov. 23-24.

MEN'S BASKETBALL SCHEDULE

<table>
<thead>
<tr>
<th>DATE</th>
<th>OPPONENT</th>
<th>SITE</th>
<th>TIME</th>
<th>OPPONENT</th>
<th>SITE</th>
<th>TIME</th>
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<tbody>
<tr>
<td>Nov. 17</td>
<td>MacMurray College</td>
<td>Away</td>
<td>7:30 p.m.</td>
<td>Ohio Wesleyan Tournament</td>
<td>Away</td>
<td>7 p.m.</td>
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<tr>
<td>Nov. 22</td>
<td>Adrian C. vs. Hanover C...</td>
<td>11/23</td>
<td>9 p.m.</td>
<td>Washington U. vs. Ohio Wesleyan</td>
<td>11/23</td>
<td>7 p.m.</td>
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<tr>
<td>Nov. 24</td>
<td>Consolation, 11/24</td>
<td>Away</td>
<td>7:30 p.m.</td>
<td>Washington U. vs. Cal. Tech</td>
<td>11/10</td>
<td>9 p.m.</td>
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<tr>
<td>Nov. 30</td>
<td>WU's home opener</td>
<td>Away</td>
<td>7:30 p.m.</td>
<td>WU's LoPata Classic</td>
<td>Home</td>
<td>6 p.m.</td>
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<tr>
<td>Dec. 1</td>
<td>MIT vs. Johns Hopkins, 11/50</td>
<td>Home</td>
<td>8 p.m.</td>
<td>Consolation, 12/1</td>
<td>Away</td>
<td>6 p.m.</td>
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<tr>
<td>Dec. 6</td>
<td>Millikin University</td>
<td>Away</td>
<td>7:30 p.m.</td>
<td>Millikin University</td>
<td>Away</td>
<td>7:30 p.m.</td>
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<tr>
<td>Dec. 8</td>
<td>Eureka College</td>
<td>Home</td>
<td>7:30 p.m.</td>
<td>Eureka College</td>
<td>Away</td>
<td>7:30 p.m.</td>
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<tr>
<td>Dec. 12</td>
<td>University of Mo.-St. Louis</td>
<td>Home</td>
<td>7:30 p.m.</td>
<td>University of Mo.-St. Louis</td>
<td>Away</td>
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<td>Jan. 11</td>
<td>Maryville College</td>
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<tr>
<td>Jan. 12</td>
<td>Trinity University Tournament</td>
<td>Away</td>
<td>7:30 p.m.</td>
<td>Trinity University Tournament</td>
<td>Away</td>
<td>TBA</td>
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<tr>
<td>Jan. 19</td>
<td>Washington U. vs. Cal. Tech</td>
<td>11/10</td>
<td>9 p.m.</td>
<td>Trinity University Tournament</td>
<td>Away</td>
<td>TBA</td>
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<td>Jan. 25</td>
<td>Washburn College</td>
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<td>Jan. 28</td>
<td>Rose-Hulman Institute</td>
<td>Away</td>
<td>7:30 p.m.</td>
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<td>Feb. 1</td>
<td>Blackburn College</td>
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<td>7:30 p.m.</td>
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<td>Feb. 2</td>
<td>Bartonville Wesleyan College</td>
<td>Home</td>
<td>7:30 p.m.</td>
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<td>Feb. 5</td>
<td>Concordia Seminary</td>
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<td>7:30 p.m.</td>
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<td>Feb. 8</td>
<td>McKendree College</td>
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<tr>
<td>Feb. 12</td>
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<td>Feb. 16</td>
<td>Westminster College</td>
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<td>Feb. 21</td>
<td>Washburn College</td>
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<td>Feb. 23</td>
<td>DePaul University</td>
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<td>DePaul University</td>
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<td>Feb. 23</td>
<td>Rose-Hulman Institute</td>
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<td>Feb. 23</td>
<td>Maryville College</td>
<td>Home</td>
<td>7:30 p.m.</td>
<td>Maryville College</td>
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<td>7:30 p.m.</td>
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*Doubleheader games: Fri. Jan. 18—Washburn College vs. Lindenwood at 6 p.m. Sat. Jan. 19—DePaul University vs. Lindenwood at 6:30 p.m.
Monday, Nov. 19


Friday, Nov. 16

8 p.m. Dept. of Music Graduate Voice Recital with Denise Fonsernas, soprano. Steinberg Aud.

Saturday, Nov. 17


Monday, Nov. 19

2 p.m. Dept. of Chemical Engineering Seminar, "Vicinity Modeling for Thermoregulating Polymorphic Melts," James C. Siefert, prof. of chemical engineering. U. of Wash.

Monday, Nov. 26

4 p.m. Dept. of Psychology Colloquium, "Decision-making Strategies of the Parkinsonian Patient," Donald Crothers, dept. of chemistry.

Tuesday, Nov. 27

8 a.m.-6 p.m. The Second McDowell Conference on Higher Brain Function. WU Professors and other students. $5; and WU students, $2.50.Gallery of Art, upper gallery. 10 a.m.-5 p.m. weekdays; 1-5 p.m. Sun. Through Nov. 25.

Wednesday, Nov. 28

11:15 p.m. WU Filmboard Series, "Sniper," 7 p.m.; "King Kong," 9:15 p.m. WU Filmboard Series, "The Plague." Students only. $5; and WU students, $2.50. Gallery of Art, lower gallery. 10 a.m.-5 p.m. weekdays; 1-5 p.m. Sun. Through Dec. 30. Gallery of Art, upper gallery, 10 a.m.-5 p.m. weekdays; 1-5 p.m. Sun. Through Dec. 31. Open weekends. Gallery of Art, print gallery. 10 a.m.-5 p.m. weekdays; 1-5 p.m. Sun. Through Dec. 31. Open weekends.}

Thursday, Nov. 29


5:30 p.m. School of Architecture Afternoon Lecture Series, "The Staircase," Ronald Kahn, prof. of medicine, Harvard Med. Sch. of Med. and Sloan Med. Col. in the Chase-Park Plaza Hotel. For reservations and info., call 725-3558.

Monday, Nov. 26

7-9 p.m. Women's Film Series, "Rage: The Life and Death of Anna Asher," 8 p.m.; "Superfluidity in Neutron Stars," 9:15 p.m. WU Filmboard Series, "Common Sense." Metropolis 2, Brown Hall.

Friday, Nov. 16

8 a.m. WU Filmboard Series, "The Second," 8:30 p.m.; "Gangs of New York," 10 p.m. WU Filmboard Series, "North by Northwest." 8 p.m. Brown Hall (Also Sat., Nov. 17, 8 and 11 p.m.; Sun., Nov. 18, 11 p.m. Brown.)

Saturday, Nov. 24

3 p.m. Dept. of Music Chamber Orchestra Concert with Eric Townsell, conducting. Edison Theatre. General admission is $2.50 and $5 for students with an ID.

Thursday, Nov. 29

8 p.m. Dept. of Music Graduate Concert, Steinberg Aud.

Saturday, Nov. 24

8 p.m. performing Arts Area presents "Swan Song," a play by Dean Mendel; a winner of the A.E. Hotchner Playwright's Prize. Drama Studio, 208 Mallinckrodt. Admission is $2. (Also Sat., Nov. 17, at 8 p.m. and Sun., Nov. 18, at 2 and 8 p.m., Drama Studio.)

Wednesday, Nov. 28

11:15 p.m. WU Filmboard Series, "King Kong." $1.50. Brown Hall. (Also Thurs., Nov. 29, same time, Brown.)

Monday, Nov. 27

Tuesday, Nov. 27

Wednesday, Nov. 28

Thursday, Nov. 29

Friday, Nov. 30

Saturday, Nov. 17

Friday, Nov. 16

7:30 p.m. Women's Basketball, WU vs. Rhodes College. Field House.

Monday, Nov. 19

Thursday, Nov. 29

Thursday, Nov. 29

Saturday, Nov. 17

Thursday, Nov. 29

Tuesday, Nov. 27

Friday, Nov. 30

Thursday, Nov. 29

Saturday, Dec. 1

5 p.m. The Writers' Colloquium with Carole Kay, WU prof. of English. Hurst Lounge.

11:30 a.m. and Sun., Dec. 2, 9:15 p.m.; Brown.)

11:30 A.M.-4 P.M. The Pennsylvania State University Women's Program Council Lecture, "In- cluding the Violence: Gender Issues in Physical and Mental Health Care," Sherry Langdale, Harvard Graduate School of Education. Also sponsored by the St. Louis Women's Community Association. General admission is $5; $1.50 for students. For more info., call 880-5994.