Ohio State University professors of English, metallurgical engineering and linguistics have received Guggenheim Fellowships for 1972.

The fellowships, announced by the John Simon Guggenheim Memorial Foundation, New York, N.Y., include awards to Profs. Morris Beja of the department of English: Robert A. Rapp, metallurgical engineering, and Arnold M. Zwicky, linguistics.

Beja, 79 Richards Rd., will study "The Dissociation of Personality in 20th-Century Fiction"; Rapp, 1379 Southport Dr., will pursue "Studies in Electrochemical Processes," and Zwicky, 63 W. Beaumont Rd., will make a "Survey of Phonological Processes."

In his study, Beja will develop the theme of modern man's "fragmented feeling" as expressed by several authors, principally James Joyce, Virginia Woolf, Vladimir Nabokov and William Faulkner.

Zwicky will survey several languages in support of the theory that there are extensive structural properties common to all. He plans to develop his information into a book, concentrating most of his research on Welsh and English.

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Four Ohio State Professors Win Guggenheims

Four professors from Ohio State University are winners of John Simon Guggenheim Fellowship Awards for 1975, the New York City-based memorial foundation has announced.

The award winners are among 308 scholars, scientists and artists chosen from some 2,819 nationwide applicants to receive grants totaling $4,138,500 in the foundation's 51st annual competition.

The winners and the topics they have chosen to examine through their grants are:

Dr. Richard D. Altick, Regents' professor of English at Ohio State: A cultural and social history of the shows of London.

Dr. Ilse Lehiste, professor of linguistics: Word and sentence prosody in Serbo-Croatian.

Dr. David H. Miles, associate professor of German: Metapolitics and the radical imagination in Lukács and Marcuse.

Dr. Andrew Wojcicki, professor of chemistry: Studies in organometric chemistry.

The fellowships are awarded by the foundation on the basis of demonstrated accomplishment in the past and strong promise for the future. Winners are chosen by a committee made up of professors from colleges and universities from throughout the country.

During its history the Guggenheim Foundation has awarded nearly $60 million in fellowships.
Available research fellowships cut in half by budget problems

By Ann W. Frazier

Fiscal problems suffered by the university in the last few months have caused only six of 12 post-doctoral research fellowships normally offered by OSU to be available for the fall fellowship competition.

The deadline for faculty members to nominate candidates for the positions is Dec. 1. The original Oct. 16 deadline was extended because of budgetary problems.

Timothy R. Donoghue, associate dean of research, said the OSU budget obtained last week with the passage of a new state budget will provide enough funding to return the number of fellowships to 12 for the spring competition.

Donoghue said the fellowship competitions are held in the spring and fall of each year to draw researchers "who show clear and definite promise of becoming outstanding leaders in scientific research."

Only those who have obtained doctoral degrees from universities other than OSU are eligible for the fellowships. Candidates must have held their doctoral degrees for less than five years, he said.

Each 12-month fellowship includes a stipend of $14,500, with a $500 travel allowance. Departments sponsoring the researchers are allowed to provide up to $4,000 in additional funding.

Past fellowship winners have done research work in the humanities, the sciences, engineering and medicine.

As part of the nomination process, faculty members are expected to outline specific research programs in which their candidates would participate.

A nine-member committee composed of active researchers from various OSU departments selects the fellowship winners.

Donoghue said the university has increased the number of fellowships available in recent years to enhance OSU research programs. Last year two competitions were held instead of one, doubling the number of fellowships from previous years.

Fellowship recipients are encouraged to concentrate their studies on the research projects and are relieved of other responsibilities.

Donoghue said he thinks the arrangement serves the interests of both the researcher and the university. "I think it's important for our research departments to have this kind of support," he said.
COLUMBUS, Ohio -- Four young faculty members at Ohio State University have been awarded Sloan Foundation fellowships for assistance in their research programs.

Recipients of the two-year, $25,000 awards, all in the College of Mathematical and Physical Sciences, are:

David J. Hart, assistant professor of chemistry, 5060-H Godown Road; Thomas R. Lemberger, assistant professor of physics, 6744 Heathview, WORTHINGTON; Paul D. Seymour, assistant professor of mathematics, 2565 Riverside Drive, Apt. 3P, and Ming-Daw Tsai, assistant professor of chemistry, 1488 Osborne Drive.

Hart plans to use the award to support his research on alkaloid synthesis and generally for synthesis of natural products.

Lemberger's research is in the area of low temperature condensed matter physics and the superconductivity of metals.

Seymour expects to use the award in his research on combinatorics, the study of numerical combinations and methods of orderly arrangement.

Tsai is studying the mechanisms of biological reactions of phosphate molecules, such as the nucleotides and phospholipids.

The Sloan Fellowships for Basic Research were established in 1955 by the Alfred P. Sloan Foundation, New York, N.Y., in response to the "need for the maintenance of a strong basic
Sloan Fellowships — 2
research enterprise."

The fellowships -- about 80 each year -- are intended to encourage a "continuous flow of dedicated and creative young persons into the mainstreams of their disciplines." The selection procedures "are designed to identify those who show the most outstanding promise of making fundamental contributions to new knowledge" in the fields of chemistry, physics, mathematics or neuroscience or in a related interdisciplinary field.

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COLUMBUS, Ohio -- Two Ohio State University faculty members have been awarded the prestigious Guggenheim Fellowship by the John Simon Guggenheim Memorial Foundation.

Susan L. Huntington, associate professor of history of art, and Alan D. Beyerchen, associate professor of history, were among 292 scholars, scientists and artists chosen from 3,571 applicants nationwide in the foundation's 59th annual competition.

Applicants for the 1983 award were required to submit a proposal fully explaining the project that each would conduct under the fellowship. The foundation announced the fellowship recipients earlier this month.

Huntington, 435 Highgate Ave., WORTHINGTON, will study the early Buddhist relief art of India. The fellowship will enable her to take time off from teaching duties in order to complete research in India. She will visit archaeological sites and religious places of pilgrimage which are depicted in the relief art.

Huntington's project will consider why the image of the Buddha does not occur in relief art prior to 100 A.D. She will attempt to find out if the Buddha's image is absent because the image depicted in the relief art is a place of pilgrimage where
the Buddha was worshipped. This is an important issue in the history of Asian art, according to Huntington.

A native of Chicago, Huntington joined Ohio State's faculty in 1970. Prior to that, she completed her doctoral dissertation in India and earned her Ph.D. from the University of California, Los Angeles. She received her M.A. in the history of art from the University of Hawaii, East-West Center, and a B.A. from the University of Michigan.


Beyerchen, 122 Rosslyn Ave. (43214), will complete research for a book to be titled "James Franck and the Social Responsibility of the Scientist." The book will take a look at the life of the Nobel Prize-winning physicist who, according to Beyerchen, exemplifies the scientist concerned with social responsibility.

In 1933 Franck resigned from his university position in Germany to protest of Hitler's policies. He also chaired a committee during the Manhattan Project in World War II. That resulted in "The Franck Report," which recommended against bombing Hiroshima and Nagasaki. After the war, Franck made efforts to support the resurrection of democracy in post-war Germany.

"Franck's life placed him at some of the most important
intersections of science and politics in our century," Beyerchen said.

Beyerchen joined the Ohio State faculty in 1978 from the University of Florida, Gainesville, where he was an assistant professor of history. He earned his bachelor's degree in German literature, master's degree in history and Ph.D. in German history and the history of science, all from the University of California, Santa Barbara.


-gs-
OSU philosophy student among 96 Mellon fellowship recipients

By Rexanna Yetian
Lantern staff writer (5-17-83)

An OSU student is among 96 winners from across the nation to receive the First Mellon Fellowship award.

Mark Lance, a senior from Columbus majoring in philosophy, will graduate summer quarter with a bachelor’s degree with honors in philosophy. Lance plans to attend the University of Pittsburgh this fall to begin his graduate work in philosophy.

After submitting his application and going through a complicated process of writing essays and personal interviews, Lance was selected.

The Mellon Fellowship was created by the Andrew W. Mellon Foundation to encourage students to continue with their academic careers in the areas of the humanities and higher education. Over the next five years between 500-600 students will be selected for this award.

Each winner will receive $7,000 plus tuition and standard fees during their first year of graduate school. The award is renewable for the second year and students may also be eligible for support during their final, dissertation-writing year.

"Generally it is a good idea to do graduate work at a different school from undergraduate work, that way you get new ideas," Lance said.

Lance plans to do his graduate work in the area of philosophy of language or science. He is interested in these areas and has done recent studies in both.

"Philosophy of language deals with relationships of words to objects and the world," Lance said.

Lance plans to teach philosophy at a university after completing his graduate work. However, his plans aren’t definite because of the job market. "I will just have to see what places have openings by that time," Lance said.

Lance said he wants to teach at the college level so he may continue to study philosophy and do research in the area.

"A lot of times, in this world, we become jaded into believing we must make things, but I want to understand things, not make them. If I can understand something never before understood then I will consider myself successful," Lance said.
Two OSU faculty members have been awarded the Guggenheim Fellowship in the John Simon Guggenheim Memorial Foundation's 59th annual competition.

Alan D. Beyerchen, associate professor of history, and Susan L. Huntington, associate professor of art history, were among 292 chosen nationwide from over 3,500 applicants.

The fellowship is granted to men and women who have demonstrated a capacity for research or a creative ability in the arts.

"The Guggenheim is such a difficult award to receive," Beyerchen said. "I had a lot of hope but not much expectation."

Beyerchen will complete research for a book on James Franck, a Jewish Nobel Prize physicist who resigned his university post and left Germany in 1933 because he opposed Hitler's segregation of Jews.

Franck was a leader in the fields of nuclear physics and photochemistry and chaired a committee on the Manhattan atomic bomb project in Chicago in 1945.

He wrote "The Franck Report," which forcefully argued against bombing Hiroshima and Nagasaki and accurately predicted an arms race with the Russians if the bombing took place.

"James Franck and the Social Responsibility of the Scientist" will be the second book for Beyerchen. His first, "Scientists Under Hitler," published in 1977, was the result of a year-abroad program while he was an undergraduate at the University of California.

"I was interested in issues relating to why Nazis existed and why Germans went along with them," Beyerchen said.

While he was in Germany, Beyerchen studied at the University of Göttingen, where Franck had been on the faculty. He devoted a chapter in his first book to Franck's resignation.

Beyerchen will take a year off from teaching to visit the archives of the University of California at Berkeley and the Department of Special Collections at the University of Chicago.

He also will conduct interviews on the East Coast with members of Franck's family and people who knew him. Beyerchen's wife, Marilla, will join him during the research period.

A native of Michigan, Beyerchen joined the OSU faculty in 1976 from the University of Florida, where he was an assistant professor of history.

He earned a bachelor's degree in German literature, a master's in history and a doctorate in German history and history of science from the University of California at Berkeley.

Huntington, who was awarded $19,000 by the foundation, will conduct research on the early Buddhist relief art of India.

"I really didn't expect it but I was delighted," she said.

Huntington will spend three or four months traveling in India from Bihar, the Buddhist homeland, east to Calcutta and across the nation to Bombay on the west coast. Travel expenses will be paid by an award from the American Institute of Indian Studies.

She will visit archaeological sites and places of religious pilgrimage in an attempt to discover why the image of Buddha is absent from relief art (sculpture projecting from a flat surface) prior to A.D. 100.

Huntington's husband, John, also has received a travel grant to India. His work will concentrate on later Buddhism.

Susan Huntington lived in India for a year while completing her doctoral dissertation for the University of California at Los Angeles.

She also lived in Hawaii, where she earned a master's degree in art history from the University of Hawaii's East-West Center. Her bachelor's degree was completed at the University of Michigan.

Huntington, an OSU faculty member since 1971, is a Chicago native and the author of two books on Indian art: "The Pala-Sena School of Sculpture" and the forthcoming "Arts of Ancient India: Buddhist, Hindu and Jain."
COLUMBUS, Ohio -- Two young Ohio State University faculty members have received Sloan Foundation fellowships of $25,000 each for assistance in their research programs.

They are Bruce E. Bursten, 2398 Brandon Road (43221), assistant professor of chemistry, and Karl Rubin, 101D W. Duncan St. (43202), assistant professor of mathematics.

The awards are presented annually to scientists and economists "who show the greatest promise of doing original work in their fields."

Bursten joined Ohio State's faculty in 1980 from Texas A&M University, where he had been a postdoctoral research associate since 1978. He is a 1974 graduate of the University of Chicago and received his Ph.D. in inorganic chemistry in 1978 from the University of Wisconsin at Madison.

Bursten has received two teaching awards at Ohio State -- the Alumni Award for Distinguished Teaching in 1982 and the Colleges of Arts and Sciences Student Council Outstanding Teaching Award in 1984. Last year he also was named a Camille and Henry Dreyfus Foundation Teacher-Scholar until 1989.

His other awards include a Procter and Gamble Fellowship in 1977-78 and a National Science Foundation postdoctoral fellowship -more-
SLOAN FELLOWS -- 2
in 1978-79. He is author of 38 publications.

Bursten's research field is theoretical inorganic chemistry.
he is seeking a better understanding of the effects of electronic
structure on the reactivity of transition metal complexes.

Rubin came to Ohio State last year from the Institute for
Advanced Study, School of Mathematics, Princeton, N.J.
Previously, he was an instructor at Princeton University for one
year.

A 1976 graduate of Princeton, Rubin received all three of
his degrees in mathematics. His master's and Ph.D. degrees are
from Harvard University -- in 1977 and 1981, respectively.

He has held four fellowships: a National Science Foundation
postdoctoral fellowship, an NSF graduate fellowship, a Harvard
Graduate School fellowship and a Putnam fellowship.

Rubin, whose wife is also a member of Ohio State's
mathematics faculty, served in 1974 as a counselor for the summer
science training program at Ohio State. His principal research
interest is in algebraic number theory.

-rb-
Professor receives fellowship to further research in math

By Sonya Lynn Elam
Lantern staff writer

An OSU professor of mathematics and philosophy was recently awarded a $21,000 Guggenheim Fellowship to further his research in the foundations of mathematics.

Harvey M. Friedman was one of 272 artists, scholars and scientists from among 3,717 applicants to be granted a fellowship.

The Guggenheim Fellowship program honors "men and women of high intellectual and personal qualifications who have already demonstrated unusual capacity for productive scholarship or unusual creative ability in the arts."

Friedman was one of the recipients who received an invitation to apply for the fellowship by the foundation. He was required to include a detailed description of his proposed research along with the application.

Friedman plans to use the money to continue his research in the foundational questions of mathematics.

"One of (the areas) I'm particularly interested in is establishing necessary uses of abstract reasoning in concrete situations," Friedman said. "In order to solve certain kinds of concrete problems, it is necessary to use extremely abstract methods."

His research will focus on the relationship between concrete problems dealing with whole numbers and abstract concepts such as infinite sets of numbers.
Harvey Friedman wins Guggenheim fellowship

By Steve Benowitz

Harvey M. Friedman, professor of mathematics, philosophy, and computer and information sciences, has been awarded a $21,000 fellowship by the John Simon Guggenheim Memorial Foundation.

The Guggenheim Fellowship honors "unusually distinguished achievement in the past and exceptional promise for future accomplishment."

Friedman is one of only four faculty members from an Ohio college or university to receive the award this year. Grants were made to 272 scholars, scientists and artists chosen from among 3,717 applicants worldwide.

Friedman will use his grant to continue his studies in the foundations of mathematics.

His research deals with a class of mathematical problems which can neither be proved or disproved using conventional mathematical reasoning.

The work is important because these problems are close to the mainstream of mathematics, and researchers may be forced to rethink the standard way they understand mathematics.

Friedman is a 1984 recipient of the Alan T. Waterman Award, perhaps the most important honor to be bestowed on a researcher by the National Science Foundation. In November of that same year, he was named by the magazine Science Digest as one of "America's Top 100 Young Scientists."

A member of the Ohio State faculty since 1977, he received the University's Distinguished Research Award in 1982.

Friedman received his Ph.D. degree in 1967 from the Massachusetts Institute of Technology at the age of 18. That same year, he was named assistant professor of philosophy at Stanford University, an appointment that earned him a place in the Guinness Book of World Records as the youngest professor at an American university.
Cox receives Alfred Sloan grant for 1988

By Robert GELCHION

Daniel Cox, assistant professor of physics, has received an Alfred P. Sloan Foundation Fellowship.

Cox is conducting research in high temperature superconductivity. He also is examining theories of heavy electron materials.

The Sloan Research Fellowships were established in 1955. They often support young researchers who are attempting to set up independent projects with little or no outside support.

The prestigious fellowships are designed to identify researchers who show promise of making a fundamental contribution to new knowledge. Thirteen Sloan Fellows have won Nobel prizes later in their careers.

Cox's funding from the Sloan Fellowship will begin in the autumn of 1988.

Before coming to Ohio State in 1986, Cox was a research physicist at the University of California at San Diego. During the autumn of 1987 he was a visiting physicist at the Institut für Festkörperphysik in West Germany.

He received his bachelor's degree in physics from the University of Washington. Both his master's degree and his doctorate were earned at Cornell University.
OHIO STATE MATHEMATICIANS NAMED SLOAN FELLOWS

COLUMBUS -- Two Ohio State University mathematicians have been named Alfred P. Sloan Foundation Fellows.

Luis Casian and Alice Silverberg, assistant professors of mathematics, will each receive a grant of $25,000 to support research of their own choosing over the next two years.

Casian, of 1501 Berkshire Road, Upper Arlington (43221), and Silverberg, who resides in Columbus, are among the 90 outstanding young scientists who have been selected to receive Sloan Foundation Fellowships totalling $2.25 million.

The 1990 fellows, whose average age is slightly less than 32 years, were selected from among hundreds of young scientists in the early stages of their careers. The selection is based on their exceptional promise to contribute to the advancement of knowledge.

The new fellows conduct research in a number of disciplines, including physics, chemistry, mathematics, neuroscience and economics, and are on the faculties of 50 universities and colleges.

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(SB/143)
THREE RESEARCHERS AWARDED $30,000 SLOAN FELLOWSHIPS

COLUMBUS -- Three researchers at The Ohio State University have been awarded the Sloan Research Fellowship for outstanding young scientists and economists.

They are among 90 recipients nationwide who will each receive $30,000 over two years to fund their research. Sixteen former Sloan Fellows have gone on to receive Nobel prizes.

The fellowships are given to encourage young scholars at a critical time in their careers, when support may be difficult to obtain, according to a spokesperson for the Alfred P. Sloan Foundation of New York. Fellows are free to pursue whatever research interests them.

Ohio State's awardees come from the departments of Chemistry, Mathematics, and Physics. They are:

- James A. Cowan of UPPER ARLINGTON (43220), 30, an assistant professor of chemistry who studies the proteins that regulate cell metabolism and viral infections. Cowan received his undergraduate degree from the University of Glasgow and a doctoral degree from the University of Cambridge. He came to Ohio State in October 1988.

- Randall L. Dougherty of UPPER ARLINGTON (43221), 31, an assistant professor of mathematics who specializes in descriptive set theory. Dougherty works on a variety of projects, from purely mathematical problems -- such as estimating the difficulty of reconstructing a function from its derivative -- to applied projects, such as piecing together the human genetic code from unreliable data. After receiving his bachelor's and doctoral
degrees from the University of California at Berkeley, he came to Ohio State in September 1989.

- Richard Furnstahl of COLUMBUS (43235), 33, an assistant professor of physics who studies the missing link between what physicists have learned about the atomic nucleus and the theory of quarks, which are the fundamental building blocks of protons and neutrons. The questions he addresses have occupied the center stage of nuclear physics research for the past decade. Furnstahl received his bachelor’s degree from the Massachusetts Institute of Technology and his doctoral degree from Stanford University. He came to Ohio State in September 1991.

Contact: Sarah Williams, University Communications (614) 292-2711.
3 OSU researchers win prestigious fellowships

By Tim Doulin
Dispatch Higher Education Reporter

Three researchers at The Ohio State University have been awarded Sloan Research Fellowships, a national award that goes to outstanding young faculty members in science, mathematics and economics.

Ninety researchers from 53 colleges and universities in the United States and Canada received fellowships. The recipients each receive research funding totaling $50,000 over two years.

OSU researchers receiving the award are Randall L. Dougherty, an assistant professor of mathematics; Richard Furnstahl, an assistant professor of physics; and James A. Cowan, an assistant professor of chemistry.

The fellowships are regarded as mini-Nobel Prizes. Sixteen former Sloan fellows have gone on to win Nobel Prizes.

"The Sloan Fellowship is one of the most prestigious awards for young faculty," said Edward F. Hayes, vice president for research at OSU.

"The funding from the award often gives the faculty the flexibility to initiate promising new lines of research."

The Alfred P. Sloan Foundation awards the fellowships to young faculty members doing research in physics, chemistry, mathematics, neuroscience and economics.

Started in 1955, the fellowship is one of the oldest in the nation. The foundation has awarded $60 million in research support to more than 2,700 researchers during the life of the program.

This year's fellows were selected from more than 400 nominees. The average age of the recipients is 32.

Princeton University, Massachusetts Institute of Technology, the University of Maryland, the University of California at San Diego and the University of Chicago had four recipients each.

Dougherty, 31, specializes in descriptive set theory, working on projects ranging from mathematical problems to applied projects. He is part of the human genome project, a national project involving several researchers from around the country. His work entails constructing a map of the human gene.

Dougherty was named a Presidential Young Investigator last year. The national award given through the National Science Foundation goes to promising junior faculty members in science and engineering.

Furnstahl, 33, studies the missing link between what physicists have learned about the atomic nucleus and the theory of quarks, which are the fundamental building blocks of protons and neutrons.

Cowan, 30, studies proteins that regulate cell metabolism and viral infections.
Ohio State Professor Awarded Prestigious Sloan Fellowship

Columbus -- Harald Vaessin, an assistant professor of molecular genetics at Ohio State University, has been awarded the prestigious Sloan Research Fellowship.

The fellowship is given by the Alfred P. Sloan Foundation of New York to outstanding young scientists from the United States and Canada in the fields of physics, chemistry, mathematics, neuroscience and economics. It comes with a $30,000 grant that scholars can use to help further their research.

This year, the fellowship was awarded to 90 scientists from around the country. Vaessin was one of 16 in the field of neuroscience to receive an award.
TWO OHIO STATE SCIENTISTS AWARDED $30,000 SLOAN FELLOWSHIPS

COLUMBUS -- An astronomer and a computer scientist at The Ohio State University have been awarded the Sloan Research Fellowship for outstanding young scientists and economists.

They are among 100 recipients in the United States and Canada who will each receive $30,000 over two years to fund their research. Seventeen former Sloan Fellows have gone on to receive Nobel prizes, according to the Sloan Foundation, which is based in New York.

Andrew Gould, an assistant professor of astronomy at Ohio State, was one of 23 physicists and astronomers who were awarded the Sloan this year. Feng Zhao, an assistant professor of computer science, was one of 10 computer scientists selected.

These fellowships are meant to encourage scholars near the beginning of their careers, at a critical time when support may be difficult to obtain. Fellows are free to pursue whatever research interests them.

Gould, 44, of UPPER ARLINGTON (43220), is an astronomer who develops methods to search for 90 percent of matter in the universe that is unaccounted for. He joined the Ohio State faculty last October and, in addition to his research, teaches an undergraduate course called "Introduction to Astronomy for Non-
Scientists." He received his both his bachelor's degree in mathematics and his doctoral degree in physics from Stanford University.

Zhao, 31, of UPPER ARLINGTON (43220), is a computer scientist who designs "intelligent partners" (computers with "artificial intelligence") to help scientists and engineers do their jobs. An Ohio State faculty members since October 1992, Zhao has taught a senior-level course called "Introduction to Artificial Intelligence" and, this quarter, is teaching juniors and seniors "Introduction to Numerical Analysis."

Zhao received his bachelor's degree with honors in electrical engineering from Chiao Tung University in Shanghai, China, and his master's and doctoral degrees in computer science from the Massachusetts Institute of Technology.

Contact: Andrew Gould, 292-1892
         Feng Zhao, 292-1553

Written by Sarah Williams Scherrer
OHIO STATE MATHEMATICIAN AWARDED GUGGENHEIM FELLOWSHIP

COLUMBUS -- A mathematician from The Ohio State University is among 147 artists, scholars and scientists to be honored as Guggenheim Fellows this year.

Karl C. Rubin (43214), 38, professor of mathematics, was awarded the fellowship for his study of how to apply Euler systems to problems in number theory. "Euler systems are just one tool we can use to help solve problems in mathematics," said Rubin. "For instance, they have played an important role in the recent attack on the 17th century puzzle called Fermat's Last Theorem."

The Guggenheim Foundation will award Rubin with $9,000, to be used during the 1994-95 academic year. Although the Foundation is hosting a reception for fellows next month in New York City, Rubin probably won't be able to go. He is teaching two graduate reading courses this quarter -- Mathematics 693 and 893, advanced courses in number theory.

Though Rubin hasn't made final plan on how to use the award money, he hopes to use it to travel and to work with mathematicians at other institutions.

"I'm grateful to the Guggenheim Foundation for supporting me and others in this way," he said. "I am also grateful to Ohio

- more -
State University for allowing me the flexibility to travel and to work with other mathematicians."

Rubin received his undergraduate degree in mathematics from Princeton University in 1976 and his doctoral degree in mathematics from Harvard University in 1981. He joined the Ohio State faculty in the fall of 1984.

The John Simon Guggenheim Memorial Foundation selected its Fellows from among 3,157 applicants this year, with grants totaling $4,070,000. Fellows are appointed on the basis of unusually distinguished achievement in the past and exceptional promise for future accomplishment.

Contact: Karl Rubin, (614) 292-8678.
Written by Sarah Williams Scherrer, (614) 292-9475.
JENNIFER PUCKETT, HILLIARD RESIDENT, NAMED MELLON FELLOW

COLUMBUS -- Jennifer Puckett, a senior majoring in French, medieval and renaissance studies, Russian and Chinese at The Ohio State University, has been awarded an Andrew W. Mellon Fellowship in Humanistic Studies. She is one of 98 national recipients.

Fellowships, initiated in 1982 and funded by the Andrew W. Mellon Foundation, are geared toward helping exceptionally promising students prepare for careers of teaching and scholarship in humanistic studies. The one-year award provides a $14,500 stipend plus tuition and fees. Nearly 800 students competed for this year’s fellowships.

Puckett said she is “thrilled” to have won such a prestigious award. She is completing her French honors thesis on a collection of medieval occitan debate poems known as “tensos.” She also is working on her medieval and renaissance studies thesis of a feminist analysis of “Troilus and Criseyde,” a long Chaucerian poem from the 14th century.

After graduation this June, she will attend Johns Hopkins University and major in French literature. Puckett, a 1989 graduate of Hilliard High School and daughter of Milton A. and Michel A. Puckett of Hilliard, plans to become a professor of medieval French literature.

Fellows may attend any accredited graduate school of arts and sciences in the United States, studying such disciplines as English, history, philosophy, foreign languages and literature, art history, classics, music history and theory, cultural anthropology and linguistics.

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Contact: Jennifer Puckett, (614) 262-4161
Ohio State Researchers Receive Sloan Foundation Fellowships

Columbus, Ohio -- Two assistant professors at The Ohio State University have been selected to receive $30,000 Sloan research fellowships.

Klaus Honscheid, an assistant professor of physics, and Ilya Zakharevich, an assistant professor of mathematics, were awarded the two-year grants by the Alfred P. Sloan Foundation in New York.

The Sloan Research Fellowship Program has awarded more than $68 million to more than 3,000 researchers since 1955. The grants are administered by each fellow's institution.

The fellows choose their own field of study and are able to employ the grants in a wide variety of ways to further their research.

Honscheid, 35, of Worthington, plans to use the grant to further his study of elementary particles, in particular the decay of heavy quarks.

- more -
"I am involved in experiments that might shed some light on what accounts for the enormous preponderance - crucial for the existence of the universe - of matter over anti-matter," he said.

Honscheid was educated at the University of Bonn in Germany and has been at Ohio State since 1993.

Zakharevich, 33, of Columbus, will use the fellowship to further his study of the unpredictability of integrable systems in mathematics.

"When you do not expect something to happen, but it does, usually it means there are some hidden reasons," Zakharevich said. "I find some hidden reasons for integrable systems."

Zakharevich received a bachelor's degree from Moscow State University and his doctorate from the Institute for Problems in Mechanics in Moscow. He has been at Ohio State since September, 1994.

Candidates for the Sloan Research Fellowship Program are nominated by department chairs and other senior scholars familiar with their talents. More than 400 nominations for this year's award were reviewed by a committee of scientists representing American universities, the National Institutes of Health, and other institutions.

Contact:  Klaus Honscheid (614) 292-3287
          Ilya Zakharevich (614) 292-2789
Written by:  Kelli Whitlock (614) 292-9475
Seven scientists win fellowships

Seven Columbus scientists have been recognized with research fellowships from the Alfred P. Sloan Foundation and the National Science Foundation.

The four Sloan Foundation fellowships, each for $25,000, have been awarded to Ohio State faculty members David J. Hart, Ming-Daw Tsai, Paul D. Seymour and Thomas R. Lemberger.

The four were selected "on the basis of their exceptional promise to contribute to the advancement of knowledge in the early stages of their careers."

In addition, OSU students John W. Keener and Jeanne P. Osborne, and former OSU student Bradley Vander Zanden, have been awarded $6,000 NSF fellowships.

OSU OFFICIALS are especially pleased with the Sloan Foundation fellowships, since only six universities in the nation had four or more recipients.

Hart, 34, of 164 E. Kelso Rd., is an assistant professor of chemistry, conducting research on new ways to synthesize natural alkaloids, such as morphine, in the laboratory.

Tsai, 32, of 608 Stinchcomb Dr., is a Taiwanese scientist who came to OSU in 1981 to study the biochemical properties of cell membranes.

Seymour, 32, of 2555 Riverside Dr., is a British mathematician who came to OSU two years ago from Oxford University to teach and study mathematical patterns.

Lemberger, 31, of 6744 Heathview St., is an assistant professor of physics, conducting research on the conductive properties of metal film, such as that used in integrated circuits.

KEENER, 29, of 145 E. Kelso Rd., plans to study the ecology of soil microorganisms at the University of California at Davis after his graduation this spring.

Osborne, of 1907 Colin Ct., is an OSU student in agriculture, planning graduate research in reproductive physiology.

Vander Zanden, of 1678 Cardiff Rd., is a 19-year-old computer programmer at Chemical Abstracts Service who entered OSU at age 15 and graduated last June. He plans to use the NSF fellowship for graduate study in computer science.