Dr. John M. Buchanan, head of the division of biochemistry of the Department of Biology since 1953, has been honored as the first John and Dorothy Wilson Professor at MIT.

Dr. Buchanan is widely known for several contributions to biochemistry. These include a step-by-step analysis of how simple compounds are synthesized. Purines are building blocks used in the formation of nucleic acid molecules — DNA and RNA — which control heredity.

The new professorship was endowed by Mrs. John J. Wilson, who has specified that appointments to the chair may be made in any department of the Institute, at MIT's discretion. Appointment of Dr. Buchanan's appointment to the new professorship was made by Dr. Jerome B. Wiesner, Provost, and Dr. Robert A. Alter, Dean of the School of Science.

Dr. Buchanan received the Eli Lilly Award in Biological Chemistry from the American Chemical Society in 1953, for his work in purine biosynthesis.

In addition to his work on purines, Dr. Buchanan also is recognized for research in enzymatic synthesis, the effect of viruses on bacteria, and the metabolism of folic acids. In the latter area, his research is of importance in understanding the role of riboflavin and other vitamins in regulating cell enzymes concerned with nucleic acid synthesis. He and his co-workers presently are studying enzyme systems in bacteria that take part in fixation of atmospheric nitrogen.

Dr. Buchanan was graduated from DePauw University in 1928, received his Ph.D. in biochemistry from Harvard University in 1933, and taught at the University of Pennsylvania from then until 1953 when he came to MIT. Dr. Wiesner noted that under Dr. Buchanan's leadership, the quality and quantity of biochemistry at MIT increased remarkably, and in 1956, MIT was listed among the top six universities in the United States in the distinguished category in biochemistry in a study published by the American Council on Education.

The Wilson Professorship is one of several chairs pledged through the MIT Second Century Fund, of which Mr. Wilson was President from 1953-63.

Faculty members given Guggenheim fellowships

Five faculty members have been awarded fellowships by the John Simon Guggenheim Memorial Foundation for 1967. Awards were made to a total of only 254 scholars, scientists, and artists, selected from among 2,000 applicants.

Dr. Edward Baldwin Curtis, Kent Professor of Mathematics, received a grant for his studies in algebraic topology. Dr. Vernon M. Ingram, Professor of Biochemistry, obtained recognition for experimental studies on the behavior of cells in tissue culture. Professor of Physics, Dr. All Javan, was rewarded for his theoretical studies in quantum electronics. Transition metal chemistry is the field in which Professor of Chemistry, Dr. Dietmar Soffer, excels. Dr. Irving E. Segal, Professor of Mathematics, was recognized for his development of the mathematical theory of the construction of quantum fields.

The Foundation was established in 1925 by late U.S. Senator Simon Guggenheim and his wife, Mrs. Guggenheim in memory of their son, John Simon Guggenheim. The Foundation, now in its fortieth annual series of awards, has given 654 grants totaling $29 million.

TUESDAY, APRIL 16

the NEW FOLK are coming!

THEODORE BIKEL IN CONCERT
Friday, April 7
8:30
Kresge Auditorium
Tickets: $2.50; $3.00
Reservations: UN 4-6900, Ext. 2910
On sale: Lobby Bldg. 10

At 9:45 P.M. EST on February 27, a Pan American Boeing 727 jettliner with 99 passengers on board made a fully-automatic landing at John F. Kennedy International Airport in New York — the first operational automatic landing in the history of aviation in the United States.

Sperry Phoenix Company participated as a member of the Boston-Sperry team which made this event possible. Our SP-60 Automatic Flight Control System played a key role. It took the Boeing 727 down "smooth as a feather," less than four feet to the right of the runway's center line under conditions of snow and fog — with a cross wind of twelve knots.

This is just another reason why Sperry Phoenix is recognized as the pace-setter in the development of Flight Control Systems and Flight Instruments and Displays. Our engineering team is second to none.

Join Sperry Phoenix upon receiving your degree in Engineering and take that first step toward fulfilling your professional and academic goals.

Nearby Arizona State University — fully accredited by The Engineering Council for Professional Development — offers programs leading to Master's and Ph.D. degrees in all engineering fields. To assist you in pursuing your advanced degree, Sperry Phoenix will reimburse you for the tuition and book costs of each course. We offer training opportunities leading to advanced certification in the areas listed below.

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