PROFESSOR HSU RETIRES

Professor CHEN-JUNG HSU has announced his retirement from the Kansas State University Department of Mathematics faculty effective at the end of the 1982-83 academic year. Dr. Hsu who is a native of Taiwan came to America in 1965 to accept an appointment as professor of mathematics at Kansas State.

During his 18 years here at Kansas State Dr. Hsu has followed his teaching and research interests in the fields of differential geometry, combinatorial geometries and the application of differential geometry and tensor analysis to interdisciplinary areas.

While teaching at Kansas State University Dr. Hsu became a naturalized citizen of the United States. One of his proudest moments was when he cast his first vote as an American citizen.

Dr. Hsu's teaching has been notable for his commitment to the students in his classes to whom he was always available to give them assistance in their study of mathematics.

Professor Hsu received his Bachelor of Science degree from Tohoku University in 1941 and his Doctor of Science degree in 1961.

He served as assistant in mathematics at Tohoku University 1941-42 and at Kyusyu University 1942-44. He was professor at the Junior College of Technology, Kyusyu University 1944-46.

During 1946-53 he was associate professor of mathematics at the National Taiwan University, Formosa. During 1950-51 while on sabbatical leave he was research associate at the University of Chicago. During 1958-63 he was research fellow at the Institute of Mathematics, Academia Sinica, Formosa. In 1959-60 he was exchange lecturer at Tohoku University.

Dr. Hsu was professor of mathematics at National Taiwan University, 1953-65. In 1962-65 while on leave from there he was associate research mathematician at the University of California, Berkeley. He served as acting director and research fellow at the Institute of Mathematics, Academia Sinica, 1963-65.

Professor Hsu was appointed professor of mathematics at Kansas State University in 1965.
With the support of a grant from the Asia Foundation he served as visiting chair professor at the Mathematics Research Center, Taiwan, during the first semester 1973-74. During the second semester he was visiting professor in the Department of Pure Mathematics, University of Waterloo, Canada. During Summer 1974 he was visiting scholar at the Mathematical Institute, Tohoku University. In the summer of 1976 he was Tamkang Chair Professor, Research Institute of Mathematics, Tamkang University, Taiwan.

Since 1968 he has served as consultant to the Mathematics Research Center, National Taiwan University.

While on sabbatical leave from K-State in 1981 Professor Hsu held the special chair at the Institute of Mathematics, Academia Sinica, Taiwan. In Summer 1982 he was research fellow at the Institute.

With the support of a grant from the Asia Foundation he attended the United States-Japan Seminar in Differential Geometry, Kyoto, Japan, June 1965. Professor Hsu received a College of Arts and Sciences Faculty Research Grant in Summer, 1966. He was invited to present a paper at the Carolina Conference on Holomorphic Mapping and Minimal Surfaces, March, 1970.

Professor Hsu has published 42 papers in the fields of his research interests and is a joint author of a university textbook *Higher geometry* written in Chinese.

Professor Hsu is a member of the American Mathematical Society, the Mathematical Society of Japan, the Mathematical Association of America, Pi Mu Epsilon and Sigma Xi.

Professor Hsu has served as a referee for the Formosan science, Yokohama journal of mathematics, Glasnik matematicki, Tamkang journal of mathematics and the Bulletin, Institute of Mathematics, Academia Sinica. He has been a reviewer for Mathematical reviews and *Zentralblatt fur mathematik*.

Upon his retirement Dr. and Mrs. Hsu will return to Taiwan. During retirement they look forward to returning often to the United States to visit their three children.

The best wishes of his colleagues and students go with Dr. and Mrs. Hsu as they enter this new phase of their lives.

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FRIENDS OF MATHEMATICS SCHOLARSHIP

The Fall 1982 Friends of Mathematics Scholarship was awarded to [PAUL PFANNESSTIEL], a freshman in Business Administration, from Hays. The Friends of Mathematics Scholarship is for one year.
NEW FACULTY

DR. LAWRENCE K. FORBES, University of Iowa has been appointed assistant professor of mathematics at Kansas State University beginning with the 1983 Fall Semester.

Dr. Forbes was born in Ballarat, Victoria, Australia, in 1957. His wife, Anne-Marie is a native of Adelaide, South Australia.

Dr. Forbes received the ordinary degree Bachelor of Science in 1977 from the University of Adelaide. In 1978 he received the First Class Honors degree in Applied Mathematics from the University of Adelaide. The title of his honors project was "An analysis of non-linear pulses and shock waves in mathematical models of the aorta."

He received the degree Doctor of Philosophy in Applied Mathematics from the University of Adelaide in December, 1981. The title of his thesis was "Non-linear free-surface flows about blunt bodies." The research work for the degree was supported by an Australian Commonwealth Postgraduate Research Award.

During 1981 Dr. Forbes was research scientist at the Material Research Laboratories, Melbourne, and part-time resident mathematics tutor at Whitley College, University of Melbourne.

From January to September, 1982, Dr. Forbes served as visiting research scientist at the Institute of Hydraulic Research, University of Iowa, and since September has been visiting assistant professor and assistant research scientist at the Institute.

Dr. Forbes' research interests are in free-boundary problems in fluid mechanics, numerical solution of non-linear differential equations, asymptotic analysis, gas dynamics and aerodynamics.

Dr. Forbes has published eight journal articles in the fields of his research interests.

His hobbies include electric welding, piano and organ playing and photography.

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FRIENDS OF MATHEMATICS LECTURE

The 1982-83 FRIENDS OF MATHEMATICS LECTURE was given by Paul R. Halmos, Distinguished Professor of Mathematics, Indiana University, on April 28, 1983. The subject of Professor Halmos' lecture was "Can you beat the odds?"
FRIENDS OF MATHEMATICS AWARDS BANQUET

The 1982-83 Friends of Mathematics Awards Banquet was held on April 28, 1983 in the Flint Hills Room of the K-State Union with Paul R. Halmos, Distinguished Professor of Mathematics, Indiana University, as the guest speaker. The subject of his talk was "What to do 'til the computer scientist goes away." At the banquet awards were given to seven undergraduate and graduate students.

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CONGRATULATIONS!

The Hostinsky Undergraduate Award was given to PAUL H. SCHUETTE, a senior from Manhattan majoring in mathematics.

The Friends of Mathematics Award was given to SHANLYN KIGER, a senior from Newton majoring in physics.

The Hostinsky Outstanding Graduate Student Award was given to JUERGEN KOSLOWSKY, a graduate student in mathematics who received his diploma from the University of Hannover, West Germany.

The Hostinsky First-year Graduate Student Award was given to BEN LANGE, Ben is a graduate of Kansas State where he majored in mathematics. He is from Mankato.

The Hostinsky Graduate Student Leadership Award was given to ALI ZAKERT for his leadership in organizing and conducting the Graduate Student Seminar in 1982-83. Ali received his diploma from Jandishapour University and his master's degree from Michigan State.

The Hostinsky Graduate Teaching Assistant Award was given to GREG RONSSER for his outstanding work as a classroom teacher. Greg, who is completing his doctoral studies in mathematics, received his bachelor's degree in mathematics from Kansas State. He is from St. Mary's.

The Central Research Corporation Scholarship was awarded to DAN GRUBB, a K-State alumnus from Salina who is beginning his work toward a doctorate in mathematics at Kansas State.

The Hostinsky Awards are funded from a bequest to the College of Arts and Sciences by the will of the late Dr. Aileen Hostinsky for the support of scholarships and awards in mathematics.

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CAPITOL FEDERAL SCHOLARSHIPS

The Fall 1981 Capitol Federal Scholarships in Mathematics were awarded to KERRY MONROE, currently a sophomore in electrical engineering, from Eldorado, and GALEN SUPPES, currently a sophomore in chemical engineering, from Bison.

The Fall 1982 Capitol Federal Scholarships in Mathematics were awarded to GREGORY LOSEKE, a freshman in electrical engineering from Wichita, and CORY KERSEN BROCK, a freshman in mechanical engineering from Colby.

The Capitol Federal Scholarships in Mathematics are awarded to the top scorers on the Mathematical Association of America High School Mathematics Contest who enroll at Kansas State University. Each of the Capitol Federal Scholarships is for two years.

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THE 1982 PUTNAM TEAM

The Kansas State University team entered in the 1982 William Lowell Putnam Competition sponsored each year by the Mathematical Association of America consisted of MIKE REED, a senior in mathematics from Topeka, BEN LANGEL, a senior (sic) in mathematics from Mankato, PAUL SCHUETTE, a senior in mathematics from Manhattan, ED THOME, a senior in mathematics from Wichita, and GALEN SUPPES, a sophomore in chemical engineering from Bison.

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