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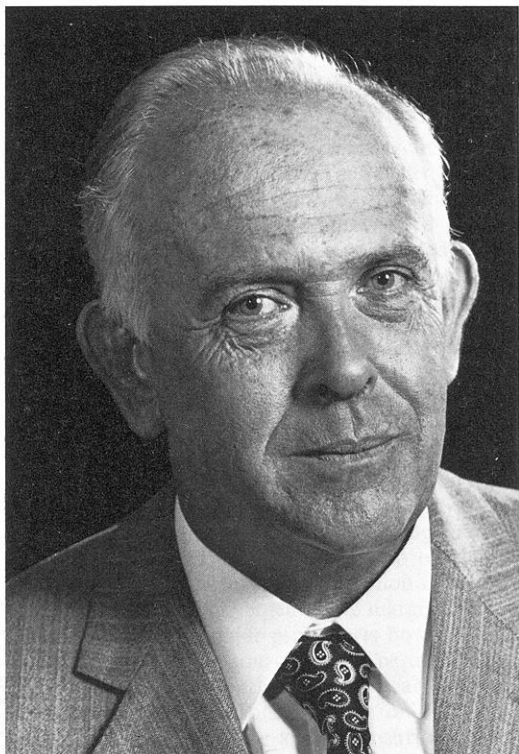
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*In Memoriam***Jürgen Henning Illies****March 14, 1924 – August 2, 1982**

The International Committee for the Lithosphere mourns the loss of Henning Illies, member of its bureau and secretary of its former steering committee. He was courageously fighting a serious illness and was engaged in research work up to the last moment.

He studied at the universities of Halle and Hamburg where he received his Ph.D. in 1948 and the *venia legendi* for Geology and Palaeontology in 1951. In 1953 he entered the field of his future research when he became a lecturer at the University of Freiburg in the Rhinegraben. In 1958, after a two years stay at the University of Valdivia/Chile, he accepted a call to the University of Karlsruhe where he was appointed full professor and director of the Geological Institute in 1963. Soon he perceived the vicinity of Karlsruhe as a key-region for the understanding of graben tectonics which fascinated him so much that he declined several offers from other universities. At his initiative a very close cooperation developed with colleagues from Geophysics,

Geodesy, Rock Mechanics and Petrology leading to several major joint ventures, which, because of their design, became known as the Karlsruhe model for research projects in geosciences. He introduced in-situ stress measurements as a means of better understanding the causes of recent tectonics in Southwestern Germany.

To grasp graben formation not only as a local phenomenon but as a worldwide tectonic element, he travelled for comparative studies in East Africa, the Jordan graben, lake Baikal, Malta and the Rio Grande Rift as well as the Basin and Range Province. In addition to numerous scientific papers this research was documented in the trilogy: Graben Problems (1970, with St. Müller), Approaches to Taphrogenesis (1974, with K. Fuchs) and Mechanism of Graben Formation (1981). A growing number of symposia and meetings on continental rifts were organized by him in and nearby Karlsruhe.

Henning Illies was engaged in various scientific societies. The German Quaternary Society appointed him as council member from 1960–1965. For the Upper-Rhenisch geological Society he served as president (1964–71) and vice-president (1972–77). For the Geologische Vereinigung (Geological Society) he was appointed member of the board (1974–77) and vice-president since 1978. In 1973 he accepted a call to become member of the Deutsche Akademie der Naturforscher Leopoldina in Halle. In 1978 he became a Fellow of the Geological Society of America. The German Geological Society granted him the Hans-Stille-Medal in 1981.

Henning Illies served actively on various international committees. During the International Geodynamics Project he was the representative of the Federal Republic of Germany and, at the same time a member of Working Group 4 (Geodynamics of continental and oceanic rifts). In 1976 he was appointed a member of the Working Group "Interpretation" by the International Commission on Recent Crustal Movements.

A climax in his international involvement was certainly the leading role he played in the initiation of the new International Lithosphere Project. Under the chairmanship of Carl Kisslinger and Henning Illies the joint IUGG and IUGS Task Group prepared a document which was adopted after thorough discussions, by the two Unions and finally also by ICSU. In January 1981 the new Inter-Union Commission on the Lithosphere was born and Henning Illies served as one of the five bureau-members until his end.

His death is not only felt in international science but also greatly in the Federal Republic of Germany. In 1972 he became chairman of the National Committee for the Geodynamics Project, in 1975 he was appointed as a member of the Senate Commission for Geoscience of the German Research Society. From 1976 to 1982 he served as coordinator of the major priority research program "Vertical movements and their causes exemplified by the Rhenish Shield", sponsored by the German Research Society.

Henning Illies is survived by his wife Gisela who shares his enthusiasm for geology. Nearly 120 publications by

Henning and 15 by Gisela Illies are the result of this partnership in research.

In 1979 a serious illness befell Henning Illies. A critical operation caused severe impediment which he fought with tremendous courage and energy, even after it became evident that there were only months, weeks, or days left.

All those who have worked closely with Henning Illies will miss his enthusiasm, his encyclopaedic knowledge, his critical mind, the refreshing humour with which he mastered many difficult situations, and, especially, the ability with which he led and encouraged people, freely sharing his ideas. We will miss Henning Illies. Karl Fuchs