

# Special Issue in Connection with Professor John O. Krog's 65th Birthday

PROFESSOR, DR. PHILOS. JOHN KROG



John Krog was born in Meldal, Norway on the 29th of August, 1918. He graduated (cand. real.) at the University of Oslo in 1949, with zoology as his major subject, and in 1964 obtained his doctorate at the same university.

John Krog worked as a biology teacher at Oslo Teachers' College in 1950 before spending four years working as a physiologist with Professor Lawrence Irving in Anchorage, Alaska, under the Exchange Visitor's Program, U.S. Public Health Service. From 1954 until 1964 he worked at the Institute for Experimental Medical Research, Ullevål Hospital, Oslo, first as Research Fellow in Circulatory Physiology and from 1962 as Associate Professor. He was Visiting Research Professor at the Department of Physiology and Biophysics, University of Kentucky Medical School, Lexington, Kentucky, U.S.A. from 1964 to 1965 and was appointed Professor and Chairman of the Institute of Zoophysiology, University of Oslo, in 1965.

During leave from these positions, John Krog extended his qualifications through short stays in other research institutions. He studied circulatory physiology and polarographic oxygen determination under Dr. H. C. Bazett and Professor H. Montgomery, University of Pennsylvania; microcirculation under Dr. Benjamin Zweifach, University of Boston, and Professor E. Bloch, Western Reserve University; circulatory physiological methods and problems connected with adaptability to cold under Professor Otto Edholm, National Institute for Medical Research, London; and problems concerning vasodilatation due to cold at the University of Gothenburg.

John Krog has participated in several scientific expeditions. He spent six months in Panama making physiological studies on counter-current principles (1956–57). In Finnmark, Norway, he studied acclimatization to cold in Lapps and fishermen (1957–58). He went with Alpha Helix to the Bering Sea (1968), was the leader of an expedition to Greenland to study blood circulation of the Eskimos (1968), and made two expeditions to Enare, Finland, for studies on adjustments to cold in the Skolt Lapps (1969–70).

John Krog is a member of the Editorial Board of *Acta Microcirculatoria*; he is a member of the National Committee for Biophysics, the Constitutional Committee for the International Biophysical Union, the Scientific Committee on Oceanographic Research, and is a Representative of the International Union of Physiological Sciences. He has membership in the Scandinavian Association of Physiologists, the Scandinavian Society for Clinical Physiology, the European Microcirculatory Society, and the Aerospace Medical Association; he is a fellow of the American Association for the Advancement of Science and of the Arctic Institute of North America.

During his career, John Krog has attended a number of international congresses and several symposia in the capacity of guest speaker. He has also given lectures on topics of popular science.

John Krog has published about 80 scientific papers, mainly on circulatory physiology and adaptation to cold. His interest in the biology of arctic animals was strongly stimulated when he worked with Lawrence Irving in Alaska. He later experimented with seals and reindeer. In addition to his research, John Krog promoted zoophysiology, extending the possibilities for graduate studies in this subject at the University of Oslo. Most university positions in zoophysiology in Norway are held by former students from his institute. Graduate students and scientists in the field of experimental medicine have also benefited from his encouragement and advice.

Ola B. Reite

### List of publications

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