Madame Chancellor:

I have the honour to present Dr. J. Ansel Anderson, Doctor of Philosophy, Fellow of the Agricultural Institute of Canada, the Chemical Institute of Canada, and the Royal Society of Canada.

Dr. Anderson was born in England and came to Canada at the age of nineteen. Lured by the romance of an expanding frontier, he travelled directly to Alberta, where he immediately started to work as a summer farm helper. In those days land was tilled by horsepower, not by tractor, and it took considerable skill in guiding the twelve-horse team, especially in turning the first furrows.

After a year at the Olds School of Agriculture, Dr. Anderson continued his studies at the University of Alberta, and earned there a Bachelor of Science degree in Agriculture in 1926, and a Master's degree in Plant Biochemistry in 1928. He obtained a Doctor of Philosophy degree in Organic Chemistry from the University of Leeds in 1930.

Dr. Anderson returned to Canada immediately to serve as a research biologist with the National Research Council of Canada in Ottawa. In 1939 he was appointed chief chemist for the Board of Grain Commissioners for Canada and was director of the Grain Research Laboratory at Winnipeg until 1962. In his position with the Board of Grain Commissioners, he had total responsibility for the quality control of all the commercial grain grown in Canada. He worked closely with plant breeders in the development of new varieties of cereal and oilseed crops. In 1962 he was appointed Director of the Canada Department of Agriculture Research Station at Winnipeg, and in the following year he was named Director-General of the Canada Department of Agriculture Research Branch, with headquarters in Ottawa. He retired from Public Service in 1968, and joined the University as a Research Professor in the Department of Plant Science for a two-year period.

Dr. Anderson is the editor of two scientific monographs and the author of more than one hundred scientific papers dealing mainly with the biochemistry of bread wheats, durum wheats, and malting barleys. His many years of research on the protein content of Canadian wheat led to the use of this as a criterion in the Canadian wheat grading system, making it the most scientific system in the world. In addition to his scientific papers, he has written numerous articles on the preparation of manuscripts and on the art of writing. He has lectured extensively on his scientific research, on the philosophy of science, and on the art of public speaking.

Dr. Anderson is one of the world's best-known and most highly respected cereal chemists. He served as President of both the American Association of Cereal Chemists and the International Association of Cereal Chemistry. For his many distinguished contributions to cereal chemistry he was awarded, in 1957, the highly prestigious Osborne Medal of the American Association, the first Canadian to receive this award.

Dr. Anderson's philosophy of science, the breadth and intensity of his interests and his power of critical analysis are reflected in the high standard of his scientific accomplishments. In addition to his contributions to cereal science, he was directly instrumental in arousing the interest of many young scientists in the field of cereal chemistry.

Madame Chancellor, it is an honour and a privilege for me to ask, in the name of the Senate, that you confer upon J. Ansel Anderson the degree of Doctor of Science, honoris causa.

D. R. Campbell,
President

June 2, 1978