

Linus Carl Pauling

Mr. President, I have the honor to present as a candidate for an honorary degree, DR. LINUS CARL PAULING, an internationally reknowned scientist, educator, and spokesman for world peace.

A native of the west coast, Dr. Pauling has spent most of his life in California, teaching and carrying out research in physics, physical chemistry, and biochemistry. After early x-ray diffraction studies and with a realization of the chemical implications of quantum mechanics, he undertook a decade of inquiry which resulted in the discovery of fundamental principles essential to an understanding of the nature of the chemical bond.

Through an interest in hemoglobin, he turned his attention to biochemistry and developed a theory of native, denatured, and coagulated proteins. In 1950, in collaboration with R. B. Corey, he made the first model of a protein molecule showing the correct three-dimensional configuration. During the period 1932-1957, his laboratory at the California Institute of Technology published 225 papers on electron diffraction determinations of the structure of molecules. In addition to many other awards, Dr. Pauling received the Nobel Prize in Chemistry in 1954.

Throughout his career, he has been an active teacher and has lectured at universities in all parts of the world. His textbook, first published in 1947, has been widely adopted for use in teaching introductory college chemistry.

Dr. Pauling's concern for human dignity and for a humane use of the fruits of scientific achievement is clearly shown in his book, *No More War*, first published in 1958. For tireless effort on behalf of a nuclear test ban treaty, he received the Nobel Peace Prize in 1962, thereby becoming the only recipient of two individual Nobel awards.

It is highly appropriate that we honor a man whose career is so clearly dedicated to scholarship and scientific achievement within a liberal arts context.

I recommend, therefore, on behalf of the Faculty of Kalamazoo College, that upon LINUS CARL PAULING be conferred the honorary degree, Doctor of Science.