



CITATION DELIVERED BY PROFESSOR KEN MCKINNON, VICE-CHANCELLOR OF THE UNIVERSITY OF WOLLONGONG, ON THE OCCASION OF THE ADMISSION OF HOWARD KNOX WORNER TO THE DEGREE OF DOCTOR OF SCIENCE, HONORIS CAUSA, ON 10 MAY, 1988.

Chancellor, I present to you Howard Knox Worner.

Professor Howard Worner was born at Swan Hill, Victoria in 1913. He was one of three brothers who grew up on a remote farm in the Mallee district and went on to become leaders in their professions.

Professor Worner progressed through technical trade courses to the Bendigo School of Mines and thence to the University of Melbourne. At University he majored in Chemistry, Metallurgy and Geology. He was Gold Medallist in the School of Mines in 1932 and graduated Bachelor of Science with First Class Honours in 1934. His Master of Science was awarded, again with First Class Honours, in 1936. He was awarded the Melbourne Doctor of Science for published work in 1942. He was then only 28.

After World War II, Professor Worner was appointed Professor of Metallurgy in his old University and was later to become Dean of the Faculty of Engineering. In 1955, Sir Ian McLennan invited him to become BHP's first Director of Research. This appointment led eventually to a move to Newcastle, New South Wales, where he established the Company's Central Research Laboratories at Shortland.

In 1963 he moved away from Australia to act as an international consultant, but returned in 1964 to become the Director of New Process Development with CRA Limited until his retirement in 1975.

After retirement, Professor Worner was invited to chair Energy Committees of both the Federal and Victorian governments. He served in these capacities for several years.

In addition to his professional, research and consulting work, Professor Worner has also served as a member of the Council of the University of Newcastle, Deputy President of the National Museum of Victoria and Patron of the Mineralogical Society of Victoria since 1978. He holds an Honorary Doctor of Science from the University of Newcastle and an Honorary Doctor of Engineering from the University of Melbourne. He is a Fellow of the Australian Academy of Science and a Foundation Fellow of the Australian Academy of Technology, Sciences and Engineering. He was awarded a CBE in 1978.

Professor Worner's qualifications and awards are too numerous to list in full, but one that is significant for him and his family is his Honorary Fellowship of the Institute of Engineers, Australia, awarded in February of this year. All three Worner brothers who had to leave their farm during the Depression are now Honorary Fellows of the Institute.

The University of Wollongong was fortunate to attract a man of Professor Worner's calibre and reputation to direct its Microwave Applications Centre in 1987. Under his leadership, the Centre has successfully developed innovative technology, particularly in the microwave drying process. Substantial grants from industry will

fund further research and applications. Professor Worner and his team have thus helped to give this University the type of financial support and the record of innovation and achievement required to ensure its independent development.

Professor Worner came to the University when it needed men of such energy and vision. The University community has also benefitted from having amongst us a gentle man who is willing to lead his colleagues, with quiet enthusiasm and dedication, on the search for new knowledge which is central to the role of all universities.

Chancellor, it is my privilege and pleasure to present to you Howard Knox Worner for admission to the degree of Doctor of Science, Honoris Causa.