

# *Biographical Notes*

The authors are both senior research chemists who have spent their entire professional careers working in the energy field.

**Ronald Dell Ph.D. D.Sc. CChem. FRSC** graduated from the University of Bristol. He lived for several years in the USA when he worked as a research chemist in the petroleum industry. Upon returning to Britain, he joined the Atomic Energy Research Establishment at Harwell. During a tenure of 35 years, Ron investigated the fundamental chemistry of materials used in nuclear power and managed projects in the field of applied electrochemistry, especially electrochemical power sources. Since retiring in the mid-1990s, he has interested himself in the developing world energy scene, particularly with regard to environmental factors, and in technical writing.

**David Rand Ph.D. Sc.D.** was educated at the University of Cambridge. Shortly after graduating, he emigrated to Australia and has spent his research career working at the government's CSIRO laboratories in Melbourne. During the 1970s, he investigated the electrochemistry of noble metals and their alloys as electrocatalysts for fuel cell systems. In the late 1970s, David also set up the CSIRO battery research group and he is now an acknowledged world expert on lead-acid technology. Since its inception in 1987, he has served as the Chief Battery Technical Officer of the World Solar Challenge, the trans-Australia event for cars powered exclusively by solar photovoltaic electricity. David's present work is directed towards the use of hydrogen as a global energy vector.

Both authors have published their research findings extensively in the scientific literature and have also co-authored two previous books:

*Batteries for Electric Vehicles*, (Research Studies Press, 1998) ISBN 0 86380 205 2.  
*Understanding Batteries*, (RSC Paperbacks 2001), ISBN 0 85404 605 4.