

ACKNOWLEDGMENT

It is a pleasure to acknowledge the assistance of Mr. J. Hill who performed the X-ray diffraction analyses and provided measurements of grain size, Dr. R. Duff and Mr. P. Burnett who made the electron microscopic examination, and Mr. R. Gardner of the Ceramographic Laboratory.

Messrs P. Foley, H. Surette and R. Martineau assisted in the setup and conduct of the experiments in the high pressure apparatus. Special note should be made of the contribution by the personnel of the Applied Mechanics Section, particularly Mr. R. Kelly who contributed the elastic analysis of the high pressure apparatus.

Finally our special thanks go to Dr. Johannes Plendl, and Mr. Lawrence Mansur of the Air Force Cambridge Research Laboratory for their support and encouragement of this work.