

**Provenance Ages and Timing of Sedimentation of
Selected Neoproterozoic and Paleoproterozoic Successions
on the Kaapvaal Craton**

by

Herman Christiaan Dorland

THESIS

presented in fulfillment of the requirements for the degree of

PHILOSOPHIAE DOCTOR

in

GEOLOGY

UNIVERSITY
in the
JOHANNESBURG

FACULTY OF SCIENCE

of the

RAND AFRIKAANS UNIVERSITY

Promotor

Prof. N.J. Beukes

Co-promotors

Prof. J. Gutzmer

Prof. D.A.D. Evans

June 2004