



**ECONOMIC GEOLOGY
RESEARCH UNIT**

University of the Witwatersrand
Johannesburg

**BIBLIOGRAPHY OF THESES IN THE
GEOLOGICAL SCIENCES SUBMITTED TO
UNIVERSITIES IN SOUTH AFRICA**

1994 – 1999

C. R. ANHAEUSSER and L.E. MARTIN

• INFORMATION CIRCULAR No.338

UNIVERSITY OF THE WITWATERSRAND
JOHANNESBURG

**BIBLIOGRAPHY OF THESES IN THE GEOLOGICAL SCIENCES
SUBMITTED TO UNIVERSITIES IN SOUTH AFRICA**

1994 –1999

Compiled by

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**ECONOMIC GEOLOGY RESEARCH UNIT
INFORMATION CIRCULAR No. 338**

November, 1999

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SUBMITTED TO UNIVERSITIES IN SOUTH AFRICA
1994 – 1999**

PREFACE

This, the fifth edition of a bibliography of theses in the geological sciences submitted to South African universities, follows four previous editions published by the Economic Geology Research Unit in November, 1960, March, 1972, April, 1987 and November, 1993, respectively. The first and second editions were compiled by D. A. Pretorius and appeared as EGRU Information Circulars Nos. 2 and 67. The third and fourth editions were compiled by C. R. Anhaeusser and appeared as EGRU Information Circulars Nos. 195 and 270.

Since the third edition, where 14 universities were listed, one (the University of Zimbabwe) has not been included as it was decided to restrict the entries to South African universities alone. Some Geology Departments no longer offer postgraduate tuition (e.g. Potchefstroom University for Christian Higher Education) and others have considerably reduced their postgraduate activities.

The accuracy of the bibliography rests with the various Geological Departments that responded to requests for an updated listing of higher degree students and theses submitted to their respective departments. Discrepancies, omissions and errors in previous editions, that have been brought to the attention of the compilers have, wherever possible, been attended to and appear as *Errata* at the end of this publication. Other errors and omissions noted in this bibliography should be directed at the compilers.

The following abbreviations have been used in the listings with respect to the full names and addresses of the Geology Departments of the universities to which the theses were submitted for higher degrees:

- | | | |
|-----------------|---|--|
| Cape Town | - | Department of Geological Sciences, University of Cape Town, Private Bag, Rondebosch, 7700
e-mail : alr@geology.uct.ac.za |
| Dbn - Westville | - | Department of Geology, University of Durban-Westville, Private Bag X54001, Durban, 4000
e-mail : smccourt@pixie.udw.ac.za |
| Natal | - | Department of Geology and Applied Geology, University of Natal, King George V Avenue, Durban, 4000
e-mail : forbesC@geology.und.ac.za |
| O.F.S. | - | Department of Geology, University of the Orange Free State, P.O. Box 339, Bloemfontein, 9300
e-mail : immelmac@glg.nw.uovs.ac.za |
| Port Elizabeth | - | Department of Geology, University of Port Elizabeth, P.O. Box 1600, Port Elizabeth, 6000
e-mail : glarws@upe.ac.za |
| Potchefstroom | - | Department of Geology, Potchefstroom University for Christian Higher Education, Private Bag X6001, |

	Potchefstroom 2520 e-mail : plbjm@puknet.puk.ac.za
Pretoria	- Department of Geology, University of Pretoria, Hillcrest, 0083, e-mail : sadw@scientia.up.ac.za
R.A.U.	- Department of Geology, Rand Afrikaans University, P.O. Box 524, Auckland Park, 2006 e-mail : njb@na.rau.ac.za
Rhodes	- Department of Geology, Rhodes University, P. O. Box 94, Grahamstown, 6140 e-mail : jsm@rock.ru.ac.za
Stellenbosch	- Department of Geology, University of Stellenbosch Private Bag X1, Matieland, 7602 e-mail : ar@maties.sun.ac.za
Western Cape	- Department of Earth Sciences, University of the Western Cape, Private Bag X17, Bellville, 7535 e-mail : vbdonker@uwc.ac.za
Witwatersrand	- Department of Geology, University of the Witwatersrand, Private Bag X3, P.O. Wits, 2050 e-mail : 065mct@cosmos.wits.ac.za

It should be noted that some universities have more than one Earth Science-related department (e.g. all the entries listed under the general heading University of the Witwatersrand include students in the Department of Geology, the Department of Geophysics, the Bernard Price Institute for Geophysical Research, the Bernard Price Institute for Palaeontological Research and the Economic Geology Research Unit).

Finally, the compilers would like to thank the Heads of Departments and Departmental Secretaries of the various universities listed above, who kindly provided the information used to compile this bibliography.

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**BIBLIOGRAPHY OF THESES IN THE GEOLOGICAL SCIENCES
SUBMITTED TO UNIVERSITIES IN SOUTH AFRICA
1994 – 1999**

CONTENTS

	Page
Preface	(i)
Theses Arranged Alphabetically According to Author	1
Theses Arranged Alphabetically According to University	20
University of Cape Town	20
University of Durban-Westville	24
University of the Orange Free State	24
University of Port Elizabeth	26
Potchefstroom University for Christian Higher Education	27
University of Pretoria	27
Rand Afrikaans University	30
Rhodes University	32
University of Stellenbosch	35
University of the Western Cape	36
University of the Witwatersrand	36
Errata and Additions	41
Late Entry (University of Natal)	47

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1 Jan Smuts Avenue
Johannesburg 2001**

ISBN 1-86838-264-8

THESES ARRANGED ALPHABETICALLY ACCORDING TO AUTHOR

- | | |
|------------------------------|---|
| ADAMS, S.
(1999) | - The chemical groundwater characteristics of the Sutherland area, northern Cape.
M.Sc. - Western Cape |
| AITKEN, G.
(1998) | - A palynological and palaeoenvironmental analysis of the late Permian and early Triassic sediments of the Ecca and Beaufort Groups, northern Karoo Basin, South Africa.
Ph.D. - Witwatersrand |
| ANDERSON, C. R.
(1997) | - Distribution of alkyl nitrates in the troposphere of the Eastern Cape Province, South Africa.
Ph.D. - Port Elizabeth |
| AUDET, M. A.
(1995) | - Geological study of the Signal Hill Au-As-Sb deposits, Archaean Tati Schist Belt, northern Botswana.
M.Sc. - Witwatersrand |
| BAILIE, R. H.
(1998) | - The geology, geochemistry and metallogeny of the felsic rocks of the Bushveld Complex, north of Bronkhorstspuit, South Africa.
M.Sc. - Witwatersrand |
| BARNARD, H. C.
(1997) | - Geohydrological evaluation of the Maloney's Eye catchment area.
M.Sc. - O.F.S. |
| BARNETT, W. P.
(1998) | - The structural and engineering geology of the country rock at Finsch Mine.
M.Sc. - Cape Town |
| BATE, M. D.
(1995) | - Petrology of the Annas Rust dolerite sill, Vredefort Structure.
M.Sc. - Potchefstroom |
| BAUMGARTNER, M. C.
(1994) | - The xenoliths of the Okenyenya Volcanic Breccia.
M.Sc. - Cape Town |
| BERG, G. W.
(1994) | - Alteration reactions which affect the geochemistry of kimberlites and xenoliths and the search for unaltered mantle materials.
Ph.D. - Cape Town |
| BEZUIDENHOUT, N.
(1996) | - Chemical and mineralogical changes associated with leachate production at the Kriel power station ash dam.
M.Sc. - Cape Town |

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|------------------------------|---|
| BIZZI, L. A.
(1996) | - Mesozoic alkaline volcanism and mantle evolution of the southwestern Sao Francisco Craton, Brazil.
Ph.D. - Cape Town |
| BOARD, W. S.
(1998) | - Fluid evolution and mineralising potential in the outer margin of the southern Gariep Belt.
M.Sc. - Cape Town |
| BOELEMA, R.
(1995) | - The metallogeny of the Upington and Kenhardt area, northern Cape.
M.Sc. - Rhodes |
| BOELHOUWERS, J. C.
(1996) | - The present day frost action environment and its geomorphological significance in the W. Cape mountains.
Ph.D. - Western Cape |
| BOER, R. H.
(1995) | - Physico-chemical conditions of mineralization in the Sabie-Pilgrim's Rest goldfield, eastern Transvaal.
Ph.D. - Witwatersrand |
| BOSHOFF, A. J.
(1994) | - The gold adsorption properties of shaly material from Beatrix Gold Mine.
M.Sc. - Pretoria |
| BRANDT, D.
(1994) | - Structural and petrological investigations of the Pretoria Saltpan impact crater and surrounding area.
M.Sc. - Witwatersrand |
| BRANDT, D.
(1999) | - The recent morpho-tectonic history of the Vaalputs Radioactive Waste Repository and environs.
Ph.D. - Witwatersrand |
| BREEDT, M. C.
(1996) | - Gold exploration in tropical and sub-tropical terrains with special emphasis on central and western Africa.
M.Sc. - Rhodes |
| BROEKHUIZEN, A.
(1997) | - The geology of the Koedoesrand Formation NW Transvaal and its relationship to the Palala Shear Zone.
M.Sc. - Pretoria |
| BRUWER, J. S.
(1996) | - Experimental investigation of the phase relations in the system Cu-Ni-S in the temperature range 1200°C to 700°C.
M.Sc. - Pretoria |
| BRUWER, L.
(1998) | - Petrology of the Neoproterozoic, exo-granitic Kuiperskraal Sn-Zn-As deposit, Western Cape Province, South Africa.
M.Sc. - Stellenbosch |

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|-----------------------------|--|
| BUMBY, A. J.
(1997) | - The geology of the Rustenburg Fault.
M.Sc. - Pretoria |
| BURGER, A. M.
(1994) | - Fault-controlled hydrothermal alteration of
Palaeoproterozoic manganese ore in Wessels Mine,
Kalahari Manganese Field.
M.Sc. - R.A.U. |
| BURKINSHAW, J. R.
(1997) | - Morphodynamics of headland bypass dunefields, with
special reference to the Cape St Francis headland, Eastern
Cape, South Africa.
Ph.D. - Port Elizabeth |
| BUTLER, M. J.
(1998) | - Ground water pollution at sanitary land fill sites:
geohydrological, environmental isotope and
hydrochemical studies.
M.Sc. - Witwatersrand |
| CADLE, A. B.
(1995) | - Depositional systems of the Permian Vryheid Formation
Highveld coalfields, South Africa: their relationship to
coal seam occurrence and distribution.
Ph.D. - Witwatersrand |
| CHETTY, D.
(1998) | Geochemical fingerprinting of carbonate wall rock
alteration at major base metal sulphide deposits in the
Otavi Mountain Land, Namibia.
M.Sc. - Cape Town |
| CHICONELA, D. R.
(1996) | - Geochemical exploration in tropical terrains with special
reference to base metals.
M.Sc. - Rhodes |
| CHIKUSA, C. M.
(1994) | - Pollution caused by mine dumps and its control.
M.Sc. - Rhodes |
| CHINN, I. L.
(1995) | - The physical and geochemical characteristics of the
diamonds from Georges Creek, USA.
Ph.D. - Cape Town |
| CILLIERS, L. M.
(1995) | - The geology of the Graauwduinen heavy mineral sand
deposit, west coast of South Africa.
M.Sc. - Stellenbosch |
| CLOETE, M.
(1994) | - Aspects of volcanism and metamorphism of the
Onverwacht Group lavas in the southwestern portion of
the Barberton greenstone belt.
Ph.D. - Witwatersrand |

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|---------------------------------|---|
| COETSEE, V. D. A.
(1994) | - Hidrogeofisiese verwantskappe vir akwifereer parameter identifikasie.

Ph.D. - O.F.S. |
| COETZEE, H. P. A.
(1996) | - The stratigraphy and sedimentology of the Black Reef Quartzite Formation, Transvaal Sequence, in the area of Carltonville and West Rand goldfields.

M.Sc. - Potchefstroom |
| COLE, E. G. G.
(1994) | - Lithostratigraphy and depositional environment of the Archaean Nsuze Group, Pongola Supergroup.

M.Sc. - R.A.U. |
| COMBRINCK, M.
(1998) | - Integrated approach to groundwater exploration on the Lebowa Granite Suite.

M.Sc. - Pretoria |
| CONWAY, G. P.
(1997) | - The geology and geochemistry of the Sterkspruit intrusion, Barberton Mountain Land, Mpumalanga Province.

M.Sc. - Witwatersrand |
| CONWAY-PHYSICK, J. A.
(1995) | - Holocene ostracods on the Agulhas Bank off southern Africa.

M.Sc. - Cape Town |
| COURTNAGE, P. M.
(1996) | - Post-Transvaal deformation between the Johannesburg Dome and the Bushveld Complex.

M.Sc. - Witwatersrand |
| CROUKAMP, L.
(1996) | - An engineering geological geographic information system for land-use planning in South Africa.

M.Sc. - Pretoria |
| CROUS, S. P.
(1996) | - The geology, geochemistry and stratigraphic correlations of the farm Rietfontein 70JS on the southeastern flank of the Dennilton Dome, Transvaal, South Africa.

M.Sc. - Rhodes |
| DAGLIOGLU, Y. M.
(1996) | - A review of sediment-hosted gold deposits of the world with special emphasis on recent discoveries outside the U.S.A.

M.Sc. - Rhodes |
| DAMARUPURSHAD, A. K.
(1995) | - Geochemistry of single diamond crystals by instrumental neutron activation analysis.

M.Sc. - Witwatersrand |
| DAVIES, C. P. N.
(1997) | - Hydrocarbon evolution of the Bredasdorp Basin, offshore South Africa: from source to reservoir.

Ph.D. - Stellenbosch |

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| DE BEVER, N. J.
(1997) | An overview of the Early-Proterozoic, auriferous Black Reef placer in the Transvaal Basin.
M.Sc. - Rhodes |
| DE OLIVEIRA, D. P. S.
(1997) | - The dolerites on Majuba Colliery southeastern Transvaal.
M.Sc. - Witwatersrand |
| DEARLOVE, L.
(1996) | - Die invloed van die ertspetrografie van die Rooiwater Komplex op die veredeling van ilmeniet.
M.Sc. - Pretoria |
| DE VILLIERS, S. E.
(1998) | - The palynology and sedimentology of Tertiary sediments from Namaqualand, Cape Province.
Ph.D. - Witwatersrand |
| DIAMOND, R. E.
(1997) | - Stable isotopes of the thermal springs of the Cape Fold Belt.
M.Sc. - Cape Town |
| DIAZ ACEVEDO, N. S.
(1996) | - Exotic deposits derived from porphyry copper system in Chile.
M.Sc. - Rhodes |
| DODDS, H.
(1995) | - Vanadium uptake by plants from soil treated with organic sludge.
M.Sc. - Cape Town |
| DOEL, S.
(1997) | - The effects of salts on the hydraulic conductivity of soil and the growth of plants.
M.Sc. - Cape Town |
| DOS SANTOS TCHECO
MANHICA, A.
(1998) | - The geology of the Mozambique Belt and the Zimbabwe Craton around Manica, western Mozambique.
M.Sc. - Pretoria |
| DRENNAN, G. R.
(1998) | - Fluid inclusion microthermometry of the Witwatersrand Basin.
Ph.D. - Witwatersrand |
| DU PLESSIS, G.
(1998) | - Metataconite as exploitable iron ore resource, examples from the Northern Province, South Africa.
M.Sc. - Rhodes |
| DU PLESSIS, P. I.
(1994) | - The sedimentology of the Kalahari Group in four study areas in northern Botswana.
M.Sc. - Stellenbosch |
| DU TOIT, I. M.
(1997) | Management options in the Atlantis Aquifer.
M.Sc. - O.F.S. |

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| DU TOIT, P.
(1995) | <ul style="list-style-type: none"> - Examination and interpretation of Portland Cement clinkers by microscopy as an aid to process control.
Ph.D. - Pretoria |
| DU TOIT, R.
(1994) | <ul style="list-style-type: none"> - High temperature metasomatic alteration associated with deep-crustal shear zones in the Limpopo Belt, South Africa.
M.Sc. - R.A.U. |
| EBRAHIM-TROLLOPE, R.
(1998) | <ul style="list-style-type: none"> - A geohydrological study of aquifers within the Dwyka and Karoo Formations in the Mier rural area.
M.Sc. - O.F.S. |
| FAIRWOOD, D. S.
(1998) | <ul style="list-style-type: none"> - Geochemistry and petrogenesis of Karoo volcanics in the Olifants River section, Kruger National Park, Republic of South Africa.
M.Sc. - O.F.S. |
| FAURE, K.
(1994) | <ul style="list-style-type: none"> - Mineralogy and geochemistry of the carbonaceous mudstones and coal petrogenesis of the Grootegeluk Formation in the Waterberg Coalfield, South Africa.
Ph.D. - Cape Town |
| FELDTMANN, F.
(1996) | <ul style="list-style-type: none"> - The structural-metamorphic evolution of the marble and calc-silicate rocks of the Baklykraal quarry near Alldays, Central Zone, Limpopo Belt, South Africa.
M.Sc. - R.A.U. |
| FOURIE, C. J. S.
(1994) | <ul style="list-style-type: none"> - The development of a national modeling facility.
M.Sc. - Pretoria |
| FOURIE, F. D.
(1996) | <ul style="list-style-type: none"> - Modelling the transient response of multiple conductors for a step-function time-domain electromagnetic system.
M.Sc. - Pretoria |
| FOYA, S.
(1996) | <ul style="list-style-type: none"> - The effect of crustal contamination on copper concentration in the Koperberg Suite, Namaqualand.
M.Sc. - Witwatersrand |
| FREEMAN, L. A.
(1998) | <ul style="list-style-type: none"> - The nature of hydrothermal fluids associated with granite-hosted, polymetallic mineralisation in the eastern lobe of the Bushveld Complex.
Ph.D. - Witwatersrand |
| FROST, S.
(1996) | <ul style="list-style-type: none"> - Early Cretaceous alluvial palaeosols (Kirkwood Formation, Algoa Basin, South Africa) and their palaeoenvironmental and palaeoclimatological significance.
M.Sc. - Rhodes |

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| GARTZ, V. H.
(1996) | - Post-depositional alteration of the Ventersdorp Contact Reef at Vaal Reefs No.10 shaft, Klerksdorp Goldfield.
M.Sc. - Cape Town |
| GAUERT, C. D. K.
(1998) | - The petrogenesis of the Uitkomst Complex, Mpumalanga Province, South Africa.
Ph.D. - Pretoria |
| GENDALL, I. R.
(1994) | - The porphyry copper system and the precious metal-gold potential.
M.Sc. - Rhodes |
| GERAGHTY, L. R.
(1994) | - Geochemical characteristics and rare earth element trends of the Upper Zone in the western Bushveld Complex.
M.Sc. - Pretoria |
| GLENDINNING, J.
(1997) | - Factors influencing the mobility of U, Th and rare earth elements at the Steenkampskraal Mine in the northern Cape.
M.Sc. - Cape Town |
| GRIMBEEK, J. C.
(1995) | - The effect of the Vaalkop replacement pegmatoid on the sulphide mineralogy at Western Platinum Mine in the Mooi-nooi district.
M.Sc. - Pretoria |
| GROBLER, D. F.
(1997) | - The geology, geochemistry and geochronology of the Gabarone Granite Suite and Kanye Formation north of Mafikeng, South Africa.
Ph.D. - Witwatersrand |
| GROENEWALD, G. H.
(1996) | - Stratigraphy and sedimentology of the Tarkastad Supergroup, Karoo Sequence, South Africa.
Ph.D. - Port Elizabeth |
| GUBEVU, J.
(1997) | - A study of pH dependent cation exchange capacity in selected highly weathered humic soils.
M.Sc. - Cape Town |
| GUTZMER, J.
(1996) | - Genesis and alteration of the Kalahari and Postmasburg manganese deposits, Griqualand West, South Africa.
Ph.D. - R.A.U. |
| HÄLBICH, T.
(1997) | - The mobility of metals in acid mine drainage from abandoned coal mines in Witbank, South Africa.
M.Sc. - Cape Town |
| HALL, R. C. B.
(1996) | - The stratigraphic placement of the Ventersdorp Conglomerate Formation.
M.Sc. - Potchefstroom |

- HANCOX, P. J.
(1998) - A stratigraphic, sedimentological and palaeoenvironmental appraisal of the Triassic Beaufort-Molteno contact in the vicinity of Sterkstroom, Eastern Cape Province.
Ph.D. - Witwatersrand
- HARCK, T.
(1995) - Fate of nitrate-nitrogen in the Verlorenvlei lake.
M.Sc. - Cape Town
- HARCK, T. R.
(1994) - Depositional systems and syndepositional tectonics of the basal Griqualand West sequence, Northern Cape.
M.Sc. - Witwatersrand
- HARRAWAY, T. J.
(1996) - Chemical characteristics of landfill leachate and its mobility in sandy soil of the Cape Flats.
M.Sc. - Cape Town
- HARTMANN, K.
(1995) - Tectonics and structural aspects of the Otjihase Mine, Matchless Belt, Namibia.
M.Sc. - Rhodes
- HARTZER, F. J.
(1994) - Geology of Transvaal inliers in the Bushveld Complex.
Ph.D. - R.A.U.
- HATTINGH, J.
(1996) - Late Cenozoic drainage evolution in the Algoa Basin with special reference to the Sundays River valley.
Ph.D. - Port Elizabeth
- HAVENGA, W. D.
(1994) - Textures of the Koperberg Suite, Namaqualand, with special reference to intergranular veinlets.
M.Sc. - O.F.S.
- HELY-HUTCHINSON, J. R.
(1998) - The physical limnology of Lake Hartbeespoort.
Ph.D. - Port Elizabeth
- HENNING, A.
(1995) - The geology, petrochemistry and genesis of intrusive rocks in the Karoo Supergroup in the vicinity of Speelmanskop, north of Cradock.
M.Sc. - O.F.S.
- HILLIARD, P.
(1994) - The structural evolution of the Johannesburg Dome, Kaapvaal Craton, South Africa.
M.Sc. - Pretoria
- HILLIARD, P.
(1998) - Structural evolution and tectonostratigraphy of the Kheis orogen and its relationship to the southwestern margin of the Kaapvaal Craton.
Ph.D. - Dbn -Westville

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|----------------------------|--|
| HINDS, R. C.
(1994) | - Interpretation of vertical and lateral seismic profiles: some case histories.

Ph.D. - Pretoria |
| HIRA, H. G.
(1998) | - The Precambrian metallogeny of Kwazulu-Natal.
M.Sc. - Rhodes |
| HOLLAND, H.
(1997) | - A collated digital, geological map database for the central Namaqua province using Geographical Information System Technology.
M.Sc. - Rhodes |
| HOUNSOME, R.
(1995) | - Phosphate retention in sediments of Umgeni River impoundments.
M.Sc. - Cape Town |
| HUNTSMAN, P.
(1996) | - An investigation into the use of smectitic clay soil for the containment and treatment of petrochemical waste.
M.Sc. - Cape Town |
| INGLE, L. J.
(1995) | - The depositional systems and mineralisation of the Upper Kimberley conglomerates, Witwatersrand Supergroup: with particular reference to the UK9a conglomerate or May Reef.
M.Sc. - Witwatersrand |
| JASPER, M. J. U.
(1995) | - Sedimentology and structural geology of the Gariep Belt in southern Namibia.
Ph.D. -- Witwatersrand |
| KEDDA, S. W.
(1997) | - Geochemical and stable isotope studies of gold-bearing granitoids in the Murchison Schist Belt, NE Transvaal.
M.Sc. - Witwatersrand |
| KING, G.
(1997) | - The development potential of Kwazulu-Natal aquifers for rural water supply.
M.Sc. Rhodes |
| KNESL, O.
(1996) | - A geochemical investigation of the water and sediments of Barber's Pan, North West Province.
M.Sc. - Cape Town |
| KOHLER, E. A.
(1995) | - The geology of the Archaean granitoid-greenstone terrane in the vicinity of Three Sisters, Barberton greenstone belt.
Ph.D. - Witwatersrand |
| KRUG, M. A.
(1995) | - Geochemical exploration in calcrete terrains.
M.Sc. - Rhodes |

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| LABUSCHAGNE, L. S.
(1998) | - Evolution of the ore-forming fluids in the Rooiberg tin field.

Ph.D. - Pretoria |
| LAKE, J.
(1997) | - The effect of industrial practices on stream sediments and the impact of these sediments on the geochemistry of a wetland.

M.Sc. - Cape Town |
| LAMPRECHT, D. F.
(1997) | - A vertical transition from carbonates to iron formation in the Griqualand West Sequence from Finsch Mine.
M.Sc. - Stellenbosch |
| LANYON, R.
(1997) | - Arsenic dispersion associated with the Barbrook Gold Mine in the Mpumalanga Province of South Africa.
M.Sc. - Cape Town |
| LANZ, J.
(1997) | - A geochemical investigation of the waters and sediments of De Hoop Vlei, Bredasdorp District, South Africa.
M.Sc. - Cape Town |
| LENHOFF, L.
(1995) | - Geology of Walker Bay, Hermanus, South Africa.
M.Sc. - Cape Town |
| LICKFOLD, V.
(1998) | - The geology of some heavy mineral sand deposits in northern Kwazulu-Natal.
M.Sc. - Rhodes |
| LOWE, K.
(1996) | - Geology and geochemistry of the Gabarone Granite Complex and Kanye Volcanic Formation, southwestern Botswana.
M.Sc. - Witwatersrand |
| MACDONALD, W. G.
(1996) | - The Geelwal Karoo heavy mineral deposit: a modern-day beach placer.
M.Sc. - Stellenbosch |
| MADISHA, M. E.
(1996) | - Carbonate alteration of serpentinite in the Murchison greenstone belt, Kaapvaal Craton: implications for gold mineralisation.
M.Sc. - R.A.U. |
| MALAN, J.
(1998) | - Orogenic (mesothermal) gold deposits with special reference to the Tanzanian greenstone terrane.
M.Sc. - Rhodes |
| MANN, P. L.
(1994) | - Surficial placer gold deposits.
M.Sc. - Rhodes |

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|-----------------------------------|--|
| MARTIN, L. E.
(1999) | - The attenuation of the Main Zone at the Phosiri Dome, Bushveld Complex.

M.Sc. - Witwatersrand |
| MARTINEZ, I. A.
(1995) | - Stable isotope geochemistry of the Okenyenya sub-volcanic ring complex.

M.Sc. - Cape Town |
| MASON-APPS, A. D.
(1998) | - The petrology and geochemistry of the lower pyroxenite succession of the Great Dyke in the Mutorashanga area.
M.Sc. - Rhodes |
| McCAFFREY, L.
(1998) | - Distribution and causes of high fluoride groundwater in the western Bushveld area of South Africa.
Ph.D. - Cape Town |
| McCAFFREY, L. P.
(1994) | - The geohydrology of the Pilanesberg.
M.Sc. - Witwatersrand |
| McIVER, D. A.
(1997) | - Epithermal precious metal deposits: physiochemical constraints, classification characteristics and exploration guidelines.

M.Sc. - Rhodes |
| MDLUDLU, S.
(1997) | - Mineralogy of the titanium oxide and associated minerals of the Sibayi Formation, northern Kwazulu-Natal.
M.Sc. - Dbn -Westville |
| MEADON, S. B.
(1995) | - Physical and chemical properties of the MG1 chromitite layer, Tweefontein Mine, Bushveld Complex.
M.Sc. - Witwatersrand |
| MEINTJES, P. G.
(1998) | - Stratigraphy, petrochemistry and genesis of the Makwassie Formation, Ventersdorp Supergroup.
Ph.D. - O.F.S |
| MEULENBELD, P. M. P. B.
(1998) | - Die evaluasie van geofisiese grondwatereksplorasietegnieke in die gebied rondom Witbank, Mpumalanga.

M.Sc. - Pretoria |
| MIENIE, P. J.
(1995) | - Titaan- en vanadiumhoudende magnetiet in die Rooiwater Kompleks, noordoos van Rubbervale.
M.Sc. - Pretoria |
| MILLS, A. J.
(1995) | - Salinity and manganese tolerance of effluent-irrigated kikuyu pastures.

M.Sc. - Cape Town |

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| MOKGATLHA, K. P.
(1995) | - Transformation of tonalitic gneiss into potassic garnet-sillimanite gneiss in a deep crustal shear zone in the Limpopo Belt.

Ph.D. - R.A.U. |
| MOONEY, D. G.
(1997) | - An evaluation of small-scale cast mining of UG2 in the Bushveld Complex.

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| MUJDRICA, S.
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M.Sc. - Rhodes |
| MURAHWI, C. A.
(1996) | - The geology of the Unki platinum-base metal deposit, Selukwe subchamber, Great Dyke, Zimbabwe.

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(1998) | - A geological study of the River Ranch kimberlite pipe, Zimbabwe.

M.Sc. - Cape Town |
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(1998) | - The geomorphological evolution of the northwestern Free State since the Mesozoic.

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| NAICKER, I.
(1994) | - Geographic information systems (GIS) integration of geological, geochemical and geophysical data from the Aggeneys base metal province, South Africa.

M.Sc. - Cape Town |
| NAUDE, K.
(1994) | - A mineralogical and geochemical study of the tin deposit at NAD Mine in the Rooiberg Tin Field with special reference to cassiterite, tourmaline, carbonate, sulphide and quartz, as well as wall rock alteration and fluid composition.

M.Sc. - Stellenbosch |
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M.Sc. - Witwatersrand |

- NOWICKI, T.
(1998)
- The impact of plantations of *pinus spp* on chemical properties of soils and stream waters in South Africa upland catchments.
Ph.D. - Cape Town
- OBBES, A. M.
(1995)
- The structure, stratigraphy and sedimentology of the Black Reef-Malmani-Rooihogte succession of the Transvaal Supergroup, southwest of Pretoria.
M.Sc. - R.A.U.
- OBERHOLZER, J. D.
(1995)
- Die geologie van die piroklastiese gesteentes in die Hekpoort Formasie, Transvaal Opeenvolging.
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- The potential for using stable isotope and chemical compositions for solving geohydrological problems in the Cape Town Metropolitan Area.
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- Optimising water quality monitoring - a case study on the South African Highveld.
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- Surface- and ground-water hydrology of the Gamtoos estuary and floodplain.
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(1994)
- Depositional environments, palaeontology and stratigraphy of coastal plain deposits at Hondeklip Bay, Namaqualand.
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- Nutrient deficiencies in soils of the Mseleni area, Kwazulu-Natal.
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- Die metasedimentêre gesteentes van die Aggeneysterrein in die Haramoep-omgewing.
Ph.D. - O.F.S.
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- A geological and geophysical investigation of a suite of crustal and upper mantle nodules from Venetia kimberlite pipes, Limpopo Belt, South Africa.
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- Geological and mineralogical analysis of some mafic intrusions In the Vredefort Dome, Central Witwatersrand Basin.
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M.Sc. - R.A.U. |
| RECZKO, B. F. F.
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Ph.D. - Pretoria |
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| THERON, S. J.
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(1997) - Basin analysis of the Kalahari Manganese Basin.
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(1997) - The integrated use of direct current and transient electromagnetic sounding methods.
M.Sc. - Pretoria

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(1998)</p> | <p>- Tracer elements in fractured-rock aquifers.</p> <p style="text-align: right;">M.Sc. - O.F.S.</p> |
| <p>VAN ZWIETEN, A. J. M.
(1996)</p> | <p>- The petrogenesis of the Koperberg Suite in the Jubilee Mine, Namaqualand.</p> <p style="text-align: right;">M.Sc. - Witwatersrand</p> |
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(1996)</p> | <p>- The sulphides of the Uitkomst Complex, Badplaas, South Africa.</p> <p style="text-align: right;">M.Sc. - Pretoria</p> |
| <p>VENTER, M. E.
(1995)</p> | <p>- Sediment en palinologie van die Permiese Vryheid Formasie in die Greenside-steenkoolmyn.</p> <p style="text-align: right;">M.Sc. - R.A.U.</p> |
| <p>VERMAAKT, D. T.
(1995)</p> | <p>- The structural evolution of a portion of the Witwatersrand Basin with special reference to the Bank Break and surrounding areas.</p> <p style="text-align: right;">Ph.D. - R.A.U.</p> |
| <p>VILJOEN, J. H. A.
(1995)</p> | <p>- Piroklastiese afsetting van perm-ouderdom in die Hoof-Karookom met spesiale verwysing na die Collingham Formasie, Eccia Groep.</p> <p style="text-align: right;">Ph.D. - Stellenbosch</p> |
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(1996)</p> | <p>- The influences of geology on the geohydrology of Karoo aquifers.</p> <p style="text-align: right;">M.Sc. - O.F.S.</p> |
| <p>WALTON, D. G.
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(1997)</p> | <p>- Experimental improvement of fly ash as a growth medium for plants through addition of selected solid wastes.</p> <p style="text-align: right;">M.Sc. - Cape Town</p> |
| <p>WEEBER, S. L.
(1996)</p> | <p>- Mineralogical, petrological and geological controls on coal ash fusion temperature from New Clydesdale Colliery, Witbank Coalfield, South Africa.</p> <p style="text-align: right;">M.Sc. - R.A.U.</p> |

- WHITELAW, H. T.
(1998) Hydrothermal alteration and Pb-Zn mineralisation in the Allanridge Formation, Ventersdorp Supergroup, near Douglas, Northern Cape Province, South Africa.
M.Sc. - O.F.S.
- WICKENS, H. de V.
(1994) - Basin floor fan-building turbidites of the southern Karoo Basin, Permian Ecca Group, South Africa.
Ph.D. - Port Elizabeth
- WIGLEY, R. A.
(1995) - Petrology and geochemistry of Karoo dykes and lavas in eastern Botswana.
M.Sc. - Cape Town
- WILLIAMS, C. M.
(1995) - Petrogenesis of the new Amalfi sheet: a highly differentiated Karoo intrusion.
M.Sc. - Rhodes
- WILSHER, W. A.
(1996) - The distribution of selected elements within mineral deposits throughout Gondwana, with geodynamic implications.
Ph.D. - Cape Town
- WINTER, F.
(1995) - The stratigraphy and geochemistry of the Alberton Formation, Ventersdorp Supergroup, southwest of Klerksdorp.
M.Sc. - O.F.S.
- XU, Y.
(1998) - Delineation of borehole protection areas in fractured aquifers.
Ph.D. - O.F.S.
- ZAWADA, P. K.
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Ph.D. - Port Elizabeth
- ZHAO, B.
(1998) - A mineralogical and geochemical study of alteration associated with the Ventersdorp Contact Reef in the Witwatersrand Basin, South Africa.
Ph.D. - Witwatersrand
- ZIMMERMANN, O. T.
(1994) - Aspects of the geology of the Kraaipan Group in the Northern Cape Province and the Republic of Bophuthatswana.
M.Sc. - Witwatersrand
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 Mineralogy and geochemistry of the carbonaceous mudstones and
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 Geographic information systems (GIS) integration of geological,
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Hidrogeofisiese verwantskappe vir akwifere parameter identifikasie.
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- Ph.D. - A. Myburgh
The geomorphological evolution of the northwestern Free State since the Mesozoic.
- Ph.D. - Y. Xu
Delineation of borehole protection areas in fractured aquifers.
- M.Sc. - R. Ebrahim-Trollope
A geohydrological study of aquifers within the Dwyka and Karoo Formations in the Mier rural area.

- M.Sc. - D. S. Fairwood
Geochemistry and petrogenesis of Karoo volcanics in the Olifants River section, Kruger National Park, Republic of South Africa.
- M.Sc. - A. E. van Wyk
Tracer experiments in fractured-rock aquifers.
- M.Sc. - J. M. C. Weaver
Salinity in the Struisbaai Aquifer.
- M.Sc. - H. T. Whitelaw
Hydrothermal alteration and Pb-Zn mineralisation in the Allanridge Formation, Ventersdorp Supergroup, near Douglas, Northern Cape Province, South Africa.

UNIVERSITY OF PORT ELIZABETH

- 1994 Ph.D. - H. de V. Wickers
Basin floor fan-building turbidites of the southwestern Karoo Basin, Permian Ecca Group, South Africa.
- 1996 Ph.D. - G. H. Groenewald
Stratigraphy and sedimentology of the Tarkastad Supergroup, Karoo Sequence, South Africa.
- Ph.D. - J. Hattingh
Late Cenozoic drainage evolution in the Algoa Basin with special reference to the Sundays River valley.
- Ph.D. - P. K. Zawada
Paleoflood hydrology as a tool in determining past and future maximum floods for selected South African rivers.
- 1997 Ph.D. - C. R. Anderson
Distribution of alkyl nitrates in the troposphere of the Eastern Cape Province, South Africa.
- Ph.D. - J. R. Burkinshaw
Morphodynamics of headland bypass dunefields, with special reference to the Cape St Francis headland, Eastern Cape, South Africa.
- Ph.D. - M. W. Pearce
Surface- and ground-water hydrology of the Gamtoos estuary and floodplain.

- 1998 Ph.D. - J. R. Hely-Hutchinson
The physical limnology of Lake Hartbeespoort

POTCHEFSTROOM UNIVERSITY FOR CHRISTIAN HIGHER EDUCATION

- 1994 M.Sc. - W. A. van den Berg
The stratigraphy and sedimentology of the Black Reef Quartzite Formation, Transvaal Sequence, in the Klerksdorp, Potchefstroom and Ventersdorp Districts.
- 1995 M.Sc. - M. D. Bate
Petrology of the Annas Rust dolerite sill, Vredefort Structure.
- 1996 M.Sc. - H. P. A. Coetzee
The stratigraphy and sedimentology of the Black Reef Quartzite Formation, Transvaal Sequence, in the area of Carltonville and West Rand goldfields.
- M.Sc. - R. C. B. Hall
The stratigraphic placement of the Ventersdorp Conglomerate Formation.

UNIVERSITY OF PRETORIA

- 1994 Ph.D. - R. C. Hinds
Interpretation of vertical and lateral seismic profiles: some case histories.
- Ph.D. - B. F. F. Reczko
The geochemistry of the sedimentary rocks of the Pretoria Group, Transvaal Sequence.
- M.Sc. - A. J. Boshoff
The gold adsorption properties of shaly material from Beatrix Gold Mine.
- M.Sc. - C. J. S. Fourie
The development of a national modelling facility.
- M.Sc. - L. R. Geraghty
Geochemical characteristics and rare earth element trends of the Upper Zone in the western Bushveld Complex.

- M.Sc. - P. Hilliard
The structural evolution of the Johannesburg Dome, Kaapvaal Craton, South Africa.
- 1995 Ph.D. - P. du Toit
Examination and interpretation of Portland Cement clinkers by microscopy as an aid to process control.
- M.Sc. - J. C. Grimbeek
The effect of the Vaalkop replacement pegmatoid on the sulphide mineralogy at Western Platinum Mine in the Mooiwooi district.
- M.Sc. - P. J. Mienie
Titaan- en vanadiumhoudende magnetiet in die Rooiwater Kompleks, noordoos van Rubbervale.
- M.Sc. - J. D. Oberholzer
Die geologie van die piroklastiese gesteentes in die Hekpoort Formasie, Transvaal Opeenvolging.
- M.Sc. - J. E. W. Snyman
Mass extinctions on the Permian-Triassic boundary: geological evidence from the Karoo Supergroup.
- M.Sc. - J. H. Sullivan
The geology of the coal-bearing rocks of the Karoo Sequence in the Tshikondeni Mine area, northern Transvaal.
- 1996 M.Sc. - J. S. Bruwer
Experimental investigation of the phase relations in the system Cu-Ni-S in the temperature range 1200°C to 700°C.
- M.Sc. - L. Croukamp
An engineering geological geographic information system for land-use in South Africa.
- M.Sc. - L. Dearlove
Die invloed van die ertspetrografie van die Rooiwater Kompleks op die veredeling van ilmeniet.
- M.Sc. - F. D. Fourie
Modelling the transient response of multiple conductors for a step-function time-domain electromagnetic system.

- M.Sc. - W. van den Berg
Base metal mineralisation in the Rooiberg Group near Rust de Winter: some characteristics of the hydrothermal system.
- M.Sc. - A. M. van Zyl
The sulphides of the Uitkomst Complex, Badplaas South Africa.
- 1997 Ph.D. - W. J. Smuts
Characteristics of South African peats and their potential exploitation.
- M.Sc. - A. Broekhuizen
The geology of the Koedoesrand Formation NW Transvaal and its relationship to the Palala Shear Zone.
- M.Sc. - A. J. Bumby
The geology of the Rustenburg Fault.
- M.Sc. - W. J. van Biljon
Modelling the TDEM response for a lateral change in conductivity.
- M.Sc. - A. M. van Schoor
The integrated use of direct current and transient electromagnetic sounding methods.
- 1998 Ph.D. - L. S. Labuschagne
Evolution of the ore-forming fluids in the Rooiberg tin field.
- Ph.D. - C. D. K. Gauert
The petrogenesis of the Uitkomst Complex, Mpumalanga Province, South Africa.
- Ph.D. - J. K. Schweitzer
The Dullstroom Basalt Formation and the Rooiberg Group: volcanic rocks associated with the Bushveld Complex.
- Ph.D. - L. W. Schürmann
The Kruidfontein Carbonatite Complex, South Africa: geology, petrology, geochemistry and economic potential.
- M.Sc. - M. Combrinck
Integrated approach to groundwater exploration on the Lebowa Granite Suite.

- M.Sc. - A. dos Santos Tcheco Manhica
The geology of the Mozambique Belt and the Zimbabwe Craton around Manica, western Mozambique.
- M.Sc. - P. M. P. B. Meulenbeld
Die evaluasie van geofisiese grondwatereksplorasietegnieke in die gebied rondom Witbank, Mpumalanga.

RAND AFRIKAANS UNIVERSITY

- 1994 Ph.D. - F. J. Hartzer
Geology of Transvaal inliers in the Bushveld Complex.
- Ph.D. - R. van der Merwe
The nature of the western margin of the Witwatersrand Basin.
- M.Sc. - A. M. Burger
Fault-controlled hydrothermal alteration of Palaeoproterozoic manganese ore in Wessels Mine, Kalahari Manganese Field.
- M.Sc. - E. G. G. Cole
Lithostratigraphy and depositional environment of the Archaean Nsuze Group, Pongola Supergroup.
- M.Sc. - R. du Toit
High temperature metasomatic alteration associated with deep-crustal shear zones in the Limpopo Belt, South Africa.
- M.Sc. - S. J. Theron
The North Break Zone of the late Precambrian Otavi carbonate platform sequence in Namibia: stratigraphic setting, petrography and relationship with Tsumeb Cu-Pb-Zn deposit.
- 1995 Ph.D. - D. T. Vermaak
The structural evolution of a portion of the Witwatersrand Basin with special reference to the Bank Break and surrounding areas.
- Ph.D. - K. P. Mokgatla
Transformation of tonalitic gneiss into potassic garnet-sillimanite gneiss in a deep crustal shear zone in the Limpopo Belt.
- M.Sc. - A. M. Obbes
The structure, stratigraphy and sedimentology of the Black Reef-Malmani-Rooihogte succession of the Transvaal Supergroup, southwest of Pretoria.

- M.Sc. - B. M. Saunders
Fluid-induced charnockite formation post-dating prograde granulite facies anatexis in the southern Natal Metamorphic Province, South Africa.
- M.Sc. - M. E. Venter
Sediment en palinologie van die Permiese Vryheid Formasie in die Greenside-steenkoolmyn.
- 1996 Ph.D. - J. Gutzmer
Genesis and alteration of the Kalahari and Postmasburg manganese deposits, Griqualand West, South Africa.
- M.Sc. - F. Feldtmann
The structural-metamorphic evolution of the marble and calc-silicate rocks of the Baklykraal quarry near Alldays, Central Zone, Limpopo Belt, South Africa.
- M.Sc. - M. E. Madisha
Carbonate alteration of serpentinite in the Murchison greenstone belt, Kaapvaal Craton: implications for gold mineralisation.
- M.Sc. - V. P. I. Morel
Structural geology, petrology, geochemistry and isotope systematics of the Ankafotia anorthosite massif, southwestern Madagascar.
- M.Sc. - W. Pretorius
A geological and geophysical investigation of a suite of crustal and upper mantle nodules from Venetia kimberlite pipes, Limpopo Belt, South Africa.
- M.Sc. - L. G. Randrianasolo
Structure and tectonics of the Ampanihi Group in the vicinity of the Ankafotia and Saririaky anorthosite bodies, southwestern Madagascar.
- M.Sc. - S. L. Weeber
Mineralogical, petrological and geological controls on coal ash fusion temperature from New Clydesdale Colliery, Witbank Coalfield, South Africa.
- 1997 Ph.D. - L. D. Stefan
The Doornhoek gold deposit in the Limpopo Belt, South Africa: An example of an Archaean shear-zone-hosted deposit formed at high-grade metamorphic conditions.

- M.Sc. - I. L. Raoelison
Structure and metamorphism of the Itremo Group, central Madagascar.
- M.Sc. - A. Sanderson
A review of the coalbed methane potential of South Africa's coal deposits and a case study from the northeastern Karoo Basin.
- M.Sc. - H. S. van Niekerk
Post-Gondwana ferromanganese wad and nodule deposits, Krugersdorp-Lichtenburg area, South Africa.

RHODES UNIVERSITY

- 1994 Ph.D. - J. Stiefenhofer
The petrography, mineral chemistry and isotope geochemistry of a mantle xenolith suite from the Letlhakane DK1 and DK2 kimberlite pipes, Botswana.
- M.Sc. - C. M. Chikusa
Pollution caused by mine dumps and its control.
- M.Sc. - I. R. Gendall
The porphyry copper system and the precious metal-gold potential.
- M.Sc. - P. L. Mann
Surficial placer gold deposits.
- M.Sc. - S. Mujdrica
Gold-bearing volcanic breccia complexes related to Carboniferous-Permian magmatism, North Queensland, Australia.
- 1995 M.Sc. - R. Boelema
The metallogeny of the Upington and Kenhardt area, northern Cape.
- M.Sc. - K. Hartmann
Tectonics and structural aspects of the Otjihase Mine, Matchless Belt, Namibia.
- M.Sc. - M. A. Krug
Geochemical exploration in calcrete terrains.

- M.Sc. - M. B. Skead
Geological characteristics of selected disseminated sediment-hosted gold deposits in Nevada, U.S.A. in search of an exploration model.
- M.Sc. - H. Tsikos
The mineralogy and geochemistry of the Voëlwater banded iron formation, northern Cape Province.
- M.Sc. - C. M. Williams
Petrogenesis of the new Amalfi sheet: A highly differentiated Karoo intrusion.
- 1996 M.Sc. - M. C. Breedt
Gold exploration in tropical and sub-tropical terrains with special emphasis on central and western Africa.
- M.Sc. - D. R. Chiconela
Geochemical exploration in tropical terrains with special reference to base metals.
- M.Sc. - S. P. Crous
The geology, geochemistry and stratigraphic correlations of the farm Rietfontein 70JS on the southeastern flank of the Dennilton Dome, Transvaal, South Africa.
- M.Sc. - Y. M. Daglioglu
A review of sediment-hosted gold deposits of the world with special emphasis on recent discoveries outside the U.S.A.
- M.Sc. - N. S. Diaz Acevedo
Exotic deposits derived from porphyry copper system in Chile.
- M.Sc. - S. Frost
Early Cretaceous alluvial palaeosols (Kirkwood Formation, Algoa Basin, South Africa) and their palaeoenvironmental and palaeoclimatological significance.
- M.Sc. - C. A. Murahwi
The geology of the Unki platinum-base metal deposit, Selukwe subchamber, Great Dyke, Zimbabwe.
- M.Sc. - P. Schoeman
Overview and comparison of Besshi-type deposits: ancient and recent.

- M.Sc. - T. A. L. Stauss
Petrology and geochemistry of the Basal Gabbro Unit, Uitkomst Complex.
- M.Sc. - J. van Eeden
Basin analysis and sequence stratigraphy: a review, with a short account of its applicability and utility for the exploration of auriferous placers in the Witwatersrand Basin.
- 1997 M.Sc. - N. J. de Bever
An overview of the Early-Proterozoic, auriferous Black Reef placer in the Transvaal Basin.
- M.Sc. - H. Holland
A collated digital, geological map database for the central Namaqua province using Geographical Information System Technology.
- M.Sc. - G. King
The development potential of Kwazulu-Natal aquifers for rural water supply.
- M.Sc. - D. A. McIver
Epithermal precious metal deposits: physiochemical constraints, classification characteristics and exploration guidelines.
- M.Sc. - D. G. Mooney
An evaluation of small-scale cast mining of UG2 in the Bushveld Complex.
- 1998 M.Sc. - A. J. Rogers
The tectonic and metallogenic evolution of Ecuador in comparison with other Cordilleran settings.
- M.Sc. - G. du Plessis
Metataconite as exploitable iron ore resource, examples from the Northern Province, South Africa.
- M.Sc. - H. G. Hira
The Precambrian metallogeny of Kwazulu-Natal.
- M.Sc. - V. Lickfold
The geology of some heavy mineral sand deposits in northern Kwazulu-Natal.

- M.Sc. - J. Malan
Orogenic (mesothermal) gold deposits with special reference to the Tanzanian greenstone terrane.
- M.Sc. - A. D. Mason-Apps
The petrology and geochemistry of the lower pyroxenite succession of the Great Dyke in the Mutorashanga area.

UNIVERSITY OF STELLENBOSCH

- 1994 M.Sc. - P. I. Du Plessis
The sedimentology of the Kalahari Group in four study areas in northern Botswana.
- M.Sc. - K. Naude
A mineralogical and geochemical study of the tin deposit and NAD Mine in the Rooiberg Tin Field with special reference to cassiterite, tourmaline, carbonate, sulphide and quartz, as well as wall rock alteration and fluid composition.
- 1995 Ph.D. - J. H. A. Viljoen
Piroklastiese afsetting van perm-ouderdom in die Hoof-Karrokom met spesiale verwysing na die Collingham Formasie, Ecce Groep.
- M.Sc. - L. M. Cilliers
The geology of the Graauwduinen heavy mineral sand deposit, west coast of South Africa.
- M.Sc. - N. Slabber
The geology and geochemistry of the Bridgetown Formation, Western Cape Province.
- M.Sc. - J. le R. van Niekerk
Geochemistry of the dolerites and the intrusion mechanisms of two major sills in the Secunda coal field.
- 1996 M.Sc. - W. G. Macdonald
The Geelwal Karoo heavy mineral deposit: a modern-day beach placer.
- 1997 Ph.D. - C. P. N. Davies
Hydrocarbon evolution of the Bredasdorp Basin, offshore South Africa: from source to reservoir.

- M.Sc.- D. F. Lamprecht
A vertical transition from carbonates to iron formation in the Griqualand West Sequence from Finsch Mine.
- 1998 M.Sc. - L. Bruwer
Petrology of the Neoproterozoic, exo-granitic Kuiperskraal Sn-Zn-As deposit, Western Cape Province, South Africa.

UNIVERSITY OF THE WESTERN CAPE

- 1996 Ph.D. - J. C. Boelhouwers
The present day frost action environment and its geomorphological significance in the W. Cape mountains.
- 1998 M.Sc. - N. Rossouw
Landscape changes on Table Mountain.
- 1999 M.Sc. - S. Adams
The chemical groundwater characteristics of the Sutherland area, Northern Cape.

UNIVERSITY OF THE WITWATERSRAND

- 1994 Ph.D. - M. Cloete
Aspects of volcanism and metamorphism of the Onverwacht Group lavas in the southwestern portion of the Barberton greenstone belt.
- Ph.D. - E. B. Zingg-Schlaepfer
Compatible trace element distribution in the Phalaborwa Complex.
- M.Sc. - D. Brandt
Structural and petrological investigations of the Pretoria Saltpan impact crater and surrounding area.
- M.Sc. - T. R. Harck
Depositional systems and syndepositional tectonics of the basal Griqualand West sequence, Northern Cape.
- M.Sc. - L. P. McCaffrey
The geohydrology of the Pilanesberg.

- M.Sc. - O. T. Zimmermann
Aspects of the geology of the Kraaipan Group in the Northern Cape Province and the Republic of Bophuthatswana.
- 1995 Ph.D. - R. H. Boer
Physico-chemical conditions of mineralisation in the Sabie-Pilgrim's Rest Goldfield, eastern Transvaal.
- Ph.D. - A. B. Cadle
Depositional systems of the Permian Vryheid Formation
Highveld coalfields, South Africa: their relationship to coal seam occurrence and distribution.
- Ph.D. - M. J. U. Jasper
Sedimentology and structural geology of the Gariep Belt in southern Namibia.
- Ph.D. - E. A. Kohler
The geology of the Archaean granitoid-greenstone terrane in the vicinity of Three Sisters, Barberton greenstone belt.
- M.Sc. - M. A. Audet
Geological study of the Signal Hill Au-As-Sb deposits, Archaean Tati Schist Belt, northern Botswana.
- M.Sc. - A. K. Damarupurshad
Geochemistry of single diamond crystals by instrumental neutron activation analysis.
- M.Sc. - L. J. Ingle
The depositional systems and mineralisation of the Upper Kimberley conglomerates, Witwatersrand Supergroup: with particular reference to the UK9a conglomerate or May Reef.
- M.Sc. - S. B. Meadon
Physical and chemical properties of the MG1 chromitite layer, Tweefontein Mine, Bushveld Complex.
- M.Sc. - L. S. Shuttleworth
Factor influencing the reactivity of fly ash in the synthesis of mineral polymers.
- 1996 Ph.D. - A. K. K. Rompel
Tectonic history of the Central Welkom Goldfield with particular reference to President Brand Mine.

- M.Sc. - P. M. Courtnege
Post-Transvaal deformation between the Johannesburg Dome and the Bushveld Complex.
- M.Sc. - S. Foya
The effect of crustal contamination on copper concentration in the Koperberg Suite, Namaqualand.
- M.Sc. - K. Lowe
Geology and geochemistry of the Gabarone Granite Complex and Kanye Volcanic Formation, southwestern Botswana.
- M.Sc. - G. Q. J. Pybus
Geological and mineralogical analysis of some mafic intrusions in the Vredefort Dome, Central Witwatersrand Basin.
- M.Sc. - K. E. Quadling
The layered marker sequence, Main Zone, eastern Bushveld Complex-a model for modal layering.
- M.Sc. - A. J. M. van Zwieten
The petrogenesis of the Koperberg Suite in the Jubilee Mine, Namaqualand.
- M.Sc. - D. G. Walton
Geohydrological and environmental isotope studies to determine the vulnerability to pollution of dolomitic groundwater.
- 1997 Ph.D. - D. F Grobler
The geology, geochemistry and geochronology of the Gabarone Granite Suite and Kanye Formation north of Mafikeng, South Africa.
- M.Sc. - G. P. Conway
The geology and geochemistry of the Sterkspruit intrusion, Barberton Mountain Land, Mpumalanga Province.
- M.Sc. - D. P. S. de Oliveira
The dolerites on Majuba Colliery southeastern Transvaal.
- M.Sc. - S. W. Kedda
Geochemical and stable isotope studies of gold-bearing granitoids in the Murchison Schist Belt, NE Transvaal.

- 1998 Ph.D. - G. Aitken
A palynological and palaeoenvironmental analysis of the late Permian and early Triassic sediments of the Ecca and Beaufort Groups, northern Karoo Basin, South Africa.
- Ph.D. - S. E. de Villiers
The palynology of tertiary sediments from a palaeochannel in Namaqualand.
- Ph.D. - G. R. Drennan
Fluid inclusion microthermometry of the Witwatersrand Basin.
- Ph.D. - L. A. Freeman
The nature of hydrothermal fluids associated with granite-hosted, polymetallic mineralisation in the eastern lobe of the Bushveld Complex.
- Ph.D. - P. J. Hancox
A stratigraphic, sedimentological and paleoenvironmental appraisal of the Triassic Beaufort-Molteno contact in the vicinity of Sterkstroom, Eastern Cape Province.
- Ph.D. - B. Zhao
A mineralogical and geochemical study of alteration associated with the Ventersdorp Contact Reef in the Witwatersrand Basin, South Africa.
- M.Sc. - R. H. Bailie
The geology, geochemistry and metallogeny of the felsic rocks of the Bushveld Complex, north of Bronkhorstspuit, South Africa.
- M.Sc. - M. J. Butler
Ground water pollution at sanitary land-fill sites: geohydrological, environmental isotope and hydrochemical studies.
- M.Sc. - J. Neveling
The biostratigraphy and sedimentology of the contact between Lystrosaurus and Cynognathus Assemblage Zones (Beaufort Group: Karoo Supergroup).
- M.Sc. - H. K. Terblanche
The geology of the Maranda volcanogenic massive sulphide deposit and environs.

- 1999 Ph.D. - D. Brandt
The recent morpho-tectonic history of the Vaalputs Radioactive Waste Repository and environs.
- M.Sc. - L. E. Martin
The attenuation of the Main Zone at the Phosiri Dome, Bushveld Complex.
- M.Sc. - A. J. Renaut
A re-evaluation of the cranial morphology and taxonomy of the Triassic dicynodont genus *Kannemeyeria*.

ERRATA AND ADDITIONS

Errors and omissions noted in the bibliography of theses, which appeared as Information Circular No. 270 of November 1993, (as well as in earlier bibliographies) are corrected in the section below.

OMISSIONS

UNIVERSITY OF CAPE TOWN

- 1970 Ph.D. - R. V. Danchin
Aspects of the geochemistry of some selected South African fine grained sediments.
- 1986 Ph.D. - R. O. Moore
A study of the kimberlites, diamonds and associated rocks and minerals from the Monastery Mine, South Africa.
- 1987 Ph.D. - J. M. Moore
A comparative study of metamorphosed supracrustal rocks from the western Namaqualand Metamorphic Complex.
- 1989 Ph.D. - M. L. Otter
Diamonds and their mineral inclusions from the Sloan diatremes of the Colorado-Wyoming State Line Kimberlite District, North America.
- 1992 M.Sc. - I. G. D. Ransome
The geodynamics, kinematics and geochemistry of the Gannakouriep Dyke Swarm.
- 1993 Ph.D. - M. C. J. de Wit
Vanwyksvlei fluvial sediments and its relation to the Tertiary palaeodrainage system in the Northern Cape.
- Ph.D. - R. E. Harmer
Petrogenesis of the Spitskop and other related alkaline complexes.
- Ph.D. - I. McDonald
The analysis of the platinum-group elements by neutron activation analysis and their behaviour in fire assay in natural igneous melts in the presence of carbonaceous volatile phase.

- M.Sc. - P. J. Chadwick
A study of the Berg Aukas-type Pb-Zn-V deposits in the Otavi Mountainland, Namibia.

UNIVERSITY OF THE ORANGE FREE STATE

- 1993 M.Sc. - L. Godfrey
The use of activated carbon filters in removing petrol from groundwater, a case study.
- M.Sc. - J. C. K. Kotzé
Evaluation of conventional pump tests and their application to fractured aquifers.
- M.Sc. - B. N. van Niekerk
Klastemaaksel in die geplooië Dwykagroep, suid en wes van Laingsburg, Kaapprovinsie.
- M.Sc. - L. Magda
Geometry and behaviour of hard-rock aquifers.
- M.Sc. - J. L. Reyneke
Die benadering van grondwaterbesoedelingse probleme; met spesifieke verwysing na petroleum koolwaterstof besoedeling.
- M.Sc. - S. Staats
Triangular finite element mesh generation.

UNIVERSITY OF PRETORIA

- 1993 M.Sc. - N. Dooge
Die hidrouliese erodeerbaarheid van rotsmassas in onbelynde oorlope met spesiale verwysing na die rol van maatvulmateriaal.
- M.Sc. - R. Ligthelm
Die hydrogeologie van karstgebiede met spesiale verwysing na grondwaterbesoedeling suid van Pretoria.
- M.Sc. - P. L. Roux
Performance related geotechnical evaluation of larger sized basecourse materials for roads.

- M.Sc. - A. R. Vorster
Evaluering van die vlak seismiese refleksietegniek vir
grondwatereksplorasië in en onder gesteentes van die Kalahari
Group.

RAND AFRIKAANS UNIVERSITY

- 1986 M.Sc. - R. van der Merwe
Die Potchefstroomverskuiwing.
- 1991 Ph.D. - T. Sieber
Styles of hydrothermal alteration in Archaean rocks of the
northern Kaapvaal Craton, South Africa, with implications for
gold mineralisation.
- 1993 Ph.D. - J. W. Berlenbach
The mechanics of bedding-parallel faulting associated with the
Ventersdorp Contact Reef on the Kloof Gold Mine.

RHODES UNIVERSITY

- 1993 M.Sc. - C. S. Gapara
A review of the deposition of iron-formation and genesis of the
related iron ore deposits as a guide to exploration for Precambrian
iron ore deposits in southern Africa.
- M.Sc. - S. A. Haikney
The nature of olivine-rich cumulate rocks of the Lower Critical
and Lower Zones of the northwestern Bushveld Complex.
- M.Sc. - C. Jackson
A microstructural kinematic study of selected shear zones in the
Hartbees River thrust belt, northeastern Namaqua tectonic
province.
- M.Sc. - P. A. Kerber
Granitic series and their economic geology.
- M.Sc. - G. Latorre-Muzzio
The influence of geological, genetic and economic factors on the
ore reserve estimation of Kwaggashoek east iron ore deposit.

UNIVERSITY OF STELLENBOSCH

- 1992 Ph.D. - G. J. Greef
The geohydrology of a typical catchment in the Cape Supergroup,
Bree River Valley.
- 1993 Ph.D. - H. P. Siegfried
The Malmesbury Batholith and its relationship to granitic plutons
in the Swartland Tectonic Domain.
- M.Sc. - D. J. Alchin
The structural and stratigraphic setting of the Rosh Pinah zinc-
lead deposit within the Gariep trough.

UNIVERSITY OF THE WITWATERSRAND

- 1989 M.Sc. - M. J. Robinson
The structural geology and gold mineralisation of the Main Reef
Complex, Sheba Gold Mine, Barberton greenstone belt.
- 1990 M.Sc. - P. Bender
A reconstruction of the fossil Suidae of the Makapansgat
Limeworks, Potgietersrus, Northern Transvaal.
- 1992 Ph.D. - R. M. Spencer
Late Archaean tectonics and sedimentation of the South Rand
area, Witwatersrand Basin.
- M.Sc. - H. Fourie
A detailed description of the skull of Emydops (Therapsida:
Dicynodontia).
- 1993 M.Sc. - J. E. Rodel
The petrography and geochemistry of the Stolzburg and
Rozenburg layered ultramafic complexes, Barberton Mountain
Land, eastern Transvaal.

Corrections to the listings of the theses arranged according to University are included below.

- | | | |
|------|------------------------------|--|
| p.32 | KIRKLEY, M. B.
(1987) | Petrology, elemental and isotopic geochemistry of some southern African kimberlites.
Ph.D. - Cape Town |
| p.33 | STEVEN, N. M.
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