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

1987 - 1993

Compiled by

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PREFACE

This, the fourth edition of a bibliography of theses in the geological sciences submitted to South African universities follows three previous editions published by the Economic Geology Research Unit in November, 1960, March, 1972 and April, 1987, respectively. The first and second editions were compiled by D.A. Pretorius and appeared as Information Circulars Nos. 2 and 67. A listing of theses lodged in 14 universities in southern Africa, covering the period 1972 to 1986 inclusive, was compiled by C.R. Anhaeusser and appeared as Information Circular No. 195.

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.

The accuracy of the bibliography rests with the various Geological Departments that responded to a request for a full listing of theses submitted to their respective departments. As with past experiences in compiling these bibliographies, library and departmental records at many universities are not in a form that can be readily utilized and many errors and omissions were encountered. Discrepancies, omissions and errors in previous editions that were brought to the attention of the compiler have, wherever possible, been attended to and appear as Errata at the end of this publication. Should any other errors or omissions be noted in this compilation they should be directed to the compiler.

As with earlier editions, discrepancies have been noted between the dates on the title pages of theses and the dates shown in the library and departmental records of the various universities. This has come about mainly through the fact that the theses might be submitted in one year, but the candidates might only graduate in the following year. Wherever possible the date on the title page is listed in the present compilation, but the reader should be aware that discrepancies (usually one year either way) may be encountered in the dates of some theses.

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 - University of Cape Town, Private Bag, Rondebosch 7700
Dbn - Westville - University of Durban-Westville, Private Bag X54001, Durban 4000
Natal (Dbn) - University of Natal, P.O. Box 375, Pietermaritzburg 3200.
O.F.S. - University of the Orange Free State, P.O. Box 339, Bloemfontein 9300
Port Elizabeth - University of Port Elizabeth, P.O. Box 1600, Port Elizabeth 6000
Potchefstroom - Potchefstroom University for Christian Higher Education, Private Bag X6001, Potchefstroom 2520
Pretoria - University of Pretoria, Hillcrest, Pretoria 0083
R.A.U. - Rand Afrikaans University, P.O. Box 524, Johannesburg 2000
Rhodes - Rhodes University, P.O. Box 94, Grahamstown 6140
Stellenbosch - University of Stellenbosch, Private Bag X5018, Stellenbosch 7600
Western Cape - University of the Western Cape, Private Bag X17, Bellville 7535
Witwatersrand - University of the Witwatersrand, Private Bag 3, Wits 2050, Johannesburg.

The compiler would like to thank the following persons at the various South African universities for having assisted by supplying the information used to prepare this bibliography: Prof. A. le Roex (Cape Town), Prof. M.R. Cooper (Durban-Westville), Prof. A.H. Wilson (Natal - Pmb), Prof. N.J. Visser (O.F.S.), Prof. I.C. Rust and Shelagh Matthews (Port Elizabeth), Dr. J.J. Mayer (Potchefstroom), Prof. S.A. de Waal and Prof. E.B. Förtsch (Pretoria), Prof. C. Roering and Prof. J.M. Barton, Jnr (R.A.U.), Prof. R. Jacob and Mrs. S. Brooks (Rhodes), Prof. A. Rozendaal (Stellenbosch), Prof. J.M. van Bever Donker (Western Cape) and Profs. T.S. McCarthy and B. Corner, as well as Judy Wilmot (Witwatersrand).

Finally, very special thanks are extended to Mrs. Janet Long who assisted the compiler by committing the lists supplied by the universities to the computer data base and for her patience and efficiency in helping to prepare this bibliography for publication.

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SMITS, G. (1990) - Geochemical history of the sedimentary rocks of the Witwatersrand as reflected in the mineralogy of the heavy-mineral assemblage of the uranium-bearing reefs of the Central Rand Group.
   Ph.D. - Potchefstroom

   M.Sc. - Port Elizabeth

   M.Sc. - Pretoria

   M.Sc. - Port Elizabeth

   M.Sc. - O.F.S.

   M.Sc. - Witwatersrand

   Ph.D. - Pretoria

STEVEN, N.M. (1987) - Tungsten mineralization at the Otjua Prospect: a geological and geochemical investigation.
   M.Sc. - Cape Town

STEVEN, N.M. (1992) - A study of epigenetic mineralization in the Central Zone of the Damara Orogen, Namibia, with special reference to gold, tungsten, tin and rare earth elements.
   Ph.D. - Cape Town

   M.Sc. - R.A.U.
   M.Sc. - Stellenbosch

SWART, C.J.U. (1991) - Grouting practices for the evaluation and improvement of dolomitic sites on the Far West Rand, South Africa.
   Ph.D. - Pretoria

SWART, R. (1990) - The sedimentology of the Zerrissene turbidite system, Damara Orogen, Namibia.
   Ph.D. - Rhodes

   M.Sc. - Western Cape

SWEENEY, R.J. (1988) - Geochemistry of the Sabie River Basalt Formation in the Central Lebombo, Karoo Igneous Province.
   Ph.D. - Cape Town

   Ph.D. - Rhodes

TERHORST, A. (1987) - The seafloor environment off Simon’s Town in False Bay, revealed by side-scan sonar, bottom sampling, diver observations and underwater photography.
   M.Sc. - Cape Town

THAMM, A.G. (1988) - Contributions to the geology of the Table Mountain Group.
   M.Sc. - Cape Town

   M.Sc. - Witwatersrand

   M.Sc. - Pretoria

   M.Sc. - Rhodes
<table>
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<tr>
<td>Tredoix, M.</td>
<td>1990</td>
<td>The platinum-group elements: nuclear methods for their analysis and their behaviour in terrestrial rocks and meteorites.</td>
<td>Ph.D. - Witwatersrand</td>
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<td>Tyler, R.</td>
<td>1989</td>
<td>Cyclic sedimentation and gold mineralization in the Malmani Dolomite Subgroup, Pilgrim’s Rest-Sabie area, eastern Transvaal.</td>
<td>M.Sc. - Witwatersrand</td>
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<tr>
<td>Van der Merwe, S.W.</td>
<td>1986</td>
<td>The structural development of part of the Namaqua mobile belt in an area between Springbok and Vioolsdrif.</td>
<td>Ph.D. - O.F.S.</td>
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<tr>
<td>Van der Spuy, D.</td>
<td>1991</td>
<td>The chemical characterization of authigenic carbonates from the Witbank No.2 Coal Seam: environmental and diagenetic implications.</td>
<td>M.Sc. - Cape Town</td>
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VAN HEERDEN, L. (1987) - The geochemistry, mineralogy and igneous petrology of some fracture zone basalts from the southern mid-Atlantic ridge. M.Sc. - Cape Town


WATERS, F.G. (1987) - A geochemical study of metasomatized peridotite and marid nodules from the Kimberley pipes, South Africa. Ph.D. - Cape Town


M.Sc. - Pretoria

WILSHER, W.A. (1987) - A structural interpretation of the Witwatersrand Basin through the application of automated depth algorithms to both gravity and aeromagnetic data.
M.Sc. - Witwatersrand

M.Sc. - Rhodes

M.Sc. - Pretoria

M.Sc. - Cape Town

M.Sc. - Natal (Dbn)

ZAWADA, P.K. (1987) - The stratigraphy and sedimentation of the Ecca and Beaufort Groups in the Fauresmith and Jagersfontein districts.
M.Sc. - Witwatersrand

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UNIVERSITY OF CAPE TOWN

1987 Ph.D. - M.B. Kirkley
Aspects of the geochemistry of kimberlite carbonates.

Ph.D. - F.G. Waters
A geochemical study of metasomatised peridotite and marid nodules from the Kimberley pipes, South Africa.

M.Sc. - J. Frewin
Palaeogene ostracods from the South African continental shelf.
1987 M.Sc. - N.M. Steven
Tungsten mineralization at the Otjua Prospect: a geological and geochemical investigation.

M.Sc. - A. Terhorst
The seafloor environment off Simon’s Town in False Bay, revealed by side-scan sonar, bottom sampling, diver observations and underwater photography.

M.Sc. - L. van Heerden
The geochemistry, mineralogy and igneous petrology of some fracture zone basalts from the southern mid-Atlantic ridge.

M.Sc. - M.W. Woodborne
The geology of the diamondiferous inner shelf off Namaqualand between Stompneus Bay and White Point just north of the Buffels River.

1988 Ph.D. - S.C. Milner
The geology and geochemistry of the Etendeka Formation quartz latites, Namibia.

Ph.D. - R.J. Sweeney
Geochemistry of the Sabie River Basalt Formation in the Central Lebombo, Karoo Igneous Province.

Ph.D. - M.W. von Veh
The stratigraphy and structural evolution of the Late Proterozoic Gariep Belt in the Sendelingsdrif-Annisfontein area, northwestern Cape Province.

M.Sc. - P.J. Buck
Sedimentology and micropalaeontology of gravity cores from the N.E. Atlantic continental slope, south west of Ireland.

M.Sc. - R.D. Dixon
Sugilite and associated metamorphic silicate minerals from Wessels Mine Kalahari Manganese Field.

M.Sc. - J.A. Hicks
Gahnite and its formation in the context of regional metamorphism and mineralization in the Namaqualand Metamorphic Complex.

M.Sc. - A.G. Thamm
Contributions to the geology of the Table Mountain Group.
<table>
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<td>1989</td>
<td>Ph.D.</td>
<td>I. Corbett</td>
<td>The sedimentology of the diamondiferous deflation deposits within the Sperrgebiet, Namibia.</td>
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<td>Ph.D.</td>
<td>B.G. Hoal</td>
<td>Proterozoic crustal evolution of the Awasib mountain terrain, southern Namibia.</td>
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<td>Ph.D.</td>
<td>J.J. Hops</td>
<td>Some aspects of the geochemistry of high-temperature peridotites and megacrysts from the Jagersfontein kimberlite pipe, South Africa.</td>
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<td>Ph.D.</td>
<td>R.M.H. Smith</td>
<td>Fluvial facies, vertebrate taphonomy and palaeosols of the Teekloof Formation (Permian) near Beaufort West, Cape Province, South Africa.</td>
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<td>Ph.D.</td>
<td>T.W. Vennemann</td>
<td>A study of some rocks from the South Marginal Zone of the Limpopo Belt.</td>
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<td>M.Sc.</td>
<td>K. Faure</td>
<td>A stable isotope study of the Kaap Valley tonalite, Barberton Mountain Land, South Africa.</td>
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<td>M.Sc.</td>
<td>C.C. Hamilton</td>
<td>The petrography, phase chemistry and petrology of South-West Indian Ridge basalts dredged between 16 and 26 degrees east.</td>
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<td>M.Sc.</td>
<td>S.J. Hill</td>
<td>A study of the diamonds and xenoliths from the Star kimberlite, Orange Free State, South Africa.</td>
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1990  Ph.D. -  R.D. Lipson
(contd)  Lithogeochemistry and origin of metasediments hosting the
Broken Hill deposit, Aggeneys, South Africa, and implications
for ore genesis.

M.Sc. -  F.J. Baars
Evidence for partial melting in the Garies-Platbakkies supracrustal
gneiss belt, central Namaqualand.

M.Sc. -  G.L. Bosch
The mineralogy and chemistry of pulverised fuel ash produced by three
South African coal-burning power stations.

M.Sc. -  J.A. Malan
The stratigraphy and sedimentology of the Bredasdorp Group, southern
Cape Province, South Africa.

M.Sc. -  P.R. Siegfried
Aspects of the geology of the Mountain Ore Body, Rosh Pinah Mine,
Namibia.

1991  Ph.D. -  L.R.M. Daniels
Diamonds and related minerals from the Dokolwayo kimberlite,
Kingdom of Swaziland.

Ph.D. -  D. de Bruin
The megacryst suite from the Schuller kimberlite, South Africa.

M.Sc. -  H.C. Humphreys
The tectonothermal evolution of the eastern Namaqua Province
deduced from the petrology and reaction history of metapelites.

M.Sc. -  D. van der Spuy
The chemical characterization of authigenic carbonates from the
Witbank No. 2 Coal Seam: environmental and diagenetic implications.

1992  Ph.D. -  R.E. Harmer
The geochemistry of Spitskop and related alkaline intrusions.

Ph.D. -  R.W. Harris
A structural analysis of the Hartbees River Thrust Belt, with special
emphasis on the nature and origin of the change in structural patterns
between the Bushmanland and Gordonia Subprovinces.

Ph.D. -  J.H. McStay
Granulite-facies metamorphism partial melting of fluid buffering in the
Buffels River area of Namaqualand, South Africa.
1992 Ph.D. - N.M. Steven
(contd) A study of epigenetic mineralization in the Central Zone of the Damara Orogen, Namibia, with special reference to gold, tungsten, tin and rare earth elements.

M.Sc. - E.A. Colgan
Petrogenesis of the Eshowe melilitites.

M.Sc. - M.K. Ridley
Gradient ion chromatographic determination of rare earth elements in coal and fly ash.

1993 M.Sc. - J.G. Deane
The controls on "contact-type" Cu-Pb (Ag) mineralization within the Tsumeb Subgroup of the Otavi Valley Syncline, northern Namibia.

M.Sc. - D. Hofman
Mineral chemistry and genesis of the Lower Ore Body, Broken Hill Deposit, Aggeneys.

UNIVERSITY OF DURBAN-WESTVILLE

Alkaline intrusives from the Tugela Terrane, Natal Metamorphic Province.

1993 M.Sc. - E.H. Greyling
The Mzamba Formation (Cretaceous) of the Transkei - stratigraphy, sedimentology and palaeontology.

M.Sc. - V.J. Ramluckan
The petrology and geochemistry of the Karoo Sequence basaltic rocks in the Natal Drakensberg at Sani Pass.

UNIVERSITY OF NATAL -DURBAN

1987 Ph.D. - B.M. Eglington
Field geochemical and isotope studies of selected areas of Proterozoic crust in south-central Natal.
1987 Ph.D. - T. Francis
(contd)
The relationship between the formation and engineering properties of soil catenas, with reference to planning.

Ph.D. - D.L. Roberts
Depositional framework and controls on peat accumulation in the Vryheid formation of northern Natal (Utrecht and Newcastle areas).

M.Sc. - J.A.G. Cooper
Sedimentation in the Mgeni estuary, Natal, South Africa.

M.Sc. - G.J. Daneel
The structural control of gold mineralization in the Moodies Hills which surround the Agnes Gold Mine, Barberton Greenstone Belt.

M.Sc. - K.G.G. Holley
Investigation of seismicity and induced seismicity for a proposed large dam in the Republic of Transkei.

M.Sc. - J.R. de R. Roberts
The effect of dolerite dykes on coal dams of the Klip River Coalfield, north Natal.

1988 Ph.D. - A.D.M. Christie
Sedimentary models for coal formation in the Klip River Coalfield.

Ph.D. - M.A.J. Huizinga
A study of volatile-melt inclusions in olivines from some kimberlites.

Ph.D. - A.M. Smith
The sedimentology of the Vryheid and Pietermaritzburg formations in an area east of Vryheid, N. Natal, Republic of South Africa.

1991 M.Sc. - P.W. Murphy
The petrology, geochemistry and classification of the Bein Venue massive sulphide deposit, Barberton Mountain Land.

M.Sc. - C.I. Wright
The sediment dynamics of St. Lucia estuary mouth, Zululand, South Africa.

1992 Ph.D. - J.A.G. Cooper
Sedimentary models and geomorphological classification of river mouths on a subtropical, wave-dominated coast, Natal, South Africa.
1992 Ph.D. - P.J. Ramsay
Sedimentology, coral reef zonation and late Pleistocene coastline models of the Sodwana Bay continental shelf, northern Zululand.

Ph.D. - S.A. Schütte
Ongeluk volcanism in relation to the Kalahari manganese deposits.

M.Sc. - K.M. Jaaback
A two-dimensional hydrodynamic model for the St. Lucia estuary mouth.

M.Sc. - K.J. Poetersen
Richards Bay zircon.

M.Sc. - A.M. Turner
Zinc-lead mineralization at Pering Mine in the Griqualand West sub-basin - an isotopic study.

M.Sc. - S.J. Whitecross
The geology of Gravelotte Emerald Mine, northeastern Transvaal.

UNIVERSITY OF NATAL - PIETERMARITZBURG

1987 Ph.D. - R.G. Smith
Geochemistry and structure of the Archaean granitoid-supracrustal terrane, southeastern Transvaal and northern Natal.

M.Sc. - V.A. Preston
The geology and geochemistry of the Mpongoza inlier, northern Natal.

1988 Ph.D. - J.A. Versfeld
The geology of the Nondweni greenstone belt, Natal.

M.Sc. - D.W.W. Sleigh
The geology of the Archaean terrane in the Piet Retief district, Transvaal.

1989 Ph.D. - D.M. Bristow
The petrology and geochemistry of the lower critical zone, Winterveld Chrome Mine, eastern Transvaal, Bushveld Complex, with particular reference to the disruptive pegmatoids.

Ph.D - P. Mendonidis
The tectonic evolution of a portion of the southern granulite zone of the Natal Mobile Belt, between Southbroom and Glenmore, Natal.
1990  M.Sc.  -  R.A. Hatfield
The geology and structure of the Pongola Sequence east of Piet Retief, southeastern Transvaal.

1991  Ph.D.  -  J.A. Verbeek
The geology and geochemistry of the Archaean granitoid-supracrustal terrane, southeast of Piet Retief, Transvaal.

1992  Ph.D.  -  G.A. Botha
The geology and palaeopedology of Late Quaternary colluvial sediments in northern Natal.

Ph.D.  -  G.H. Grantham

M.Sc.  -  G.J. Armitage
The petrogenesis of potholes in the UG2 Chromitite Layer, Crocodile River Mine, Western Bushveld Complex.

M.Sc.  -  A.D. McKenzie

UNIVERSITY OF THE ORANGE FREE STATE

1987  M.Sc.  -  D. Elsmere
The characteristics of fluid inclusions in the metamorphites and mineralized rocks of the Boksputs region, Upington.

M.Sc.  -  D.J. Ludick
Die stratigrafiese en petroogenetiese aspekte van die Areachapgroep in die Upington-omgewing.

M.Sc.  -  J.J. Pretorius
Die kontakverwantskappe van die graniete, gneisse, metavulkaniese gesteen en metasedimente van die Pella-Pofadderomgewing.

1988  Ph.D.  -  V.E. Cogho
Development of a groundwater data base for southern Africa, with special reference to its use in regional and local geohydrological studies.

Ph.D.  -  M. Levin
A geohydrological appraisal of the Vaalputs radioactive waste disposal facility in Namaqualand, S.A.
1988 Ph.D. - G. van Aswegen
(contd) The evolution of the Proterozoic gneisses and other metamorphites between Springbok and Vioolsdrif, South Africa.

1989 Ph.D. - L.J. Christeaens
Proterozoic sedimentology and geochemistry of the Sishen area - law of facies approach and hypopycnal flow modelling.

Ph.D. - G.S. de Kock
'n Geotektoniese studie van die Damara-orogeen in 'n gebied suidoos van Karibib, S.W.A.

M.Sc. - A.L.D. Agenbacht
'n Geologiiese ondersoek van die T'oubep Suite, suidwes van Kakamas, NW-Kaapland.

M.Sc. - R.H. Boer
The petrogenesis of the glimmerite occurrences in the Koperberg Suite,Namaqualand.

M.Sc. - P.G. Meintjes
The evolution of volcanic-sedimentary basins of the Venterdorp Supergroup near Welkom.

M.Sc. - C.L.J. Minnaar
Sedimentologie van die Supergroep Witwatersrand in die Vrededorpgebied.

M.Sc. - J.L. Venter
'n Sedimentologiese studie van die Dwyka-formasie en geassosieerde gesteentes noord van Loeriesfontein.

1990 Ph.D. - W.P. Colliston
A stratigraphic and structural investigation of part of the Namaqua mobile belt between Dabenoris and Steyerkraal, South Africa.

Ph.D. - M.J. Jordaan
Basin analysis of the Beaufort Group in the western part of the Karoo Basin.

M.Sc. - N.A. Bleeker
Investigation of possible volcanogenic mineralisation in the Venterdorp Supergroup of the northern Cape Province.
1990 M.Sc. - B. Cilliers
(Contd)
'n Petrogenetiese studie van 'n gedeelte van die Namakwalandse metamorfe kompleks langs die Oranjerievier, tussen die Ramansdrif-en Homrivier, Warmbaddistrik suidelike S.W.A./Namibia.

A. Joubert
M.Sc. - Die kwaternère fontein- en verwante lakustriene afsettings by Florisbad, O.V.S.

M.Sc. - H.P.J. Pretorius
A preliminary study of surface and groundwater quality in the Orange Free State Goldfields.

M.Sc. - W.S. Seimons
Geohydrological characteristics of the Otjiwarongo Marble Aquifer, Namibia.

M.Sc. - J.M.A. Steenkamp
The source material of the Big Pebble Marker and Rosedale Reefs in the Welkom Goldfield.

Petrologiese en geochemiese aspekte van die Oranjekom Kompleks langs die oostelike rand van die Namakwalandse Mobiele Gordel.

M.Sc. - N. Keyser
The geology and geochemistry of the Vendorsdorp Supergroup in the area between Vryburg, Ottosdal and Mafikeng.

M.Sc. - A. van der Westhuizen
The Bellsbank kimberlites, with special reference to a suite of purple garnet megacrysts from the Bobbejaan Mine.

UNIVERSITY OF PORT ELIZABETH

1987 M.Sc. - L.B. Siebrits
Die sedimentologie van die formasie Carnarvon in die omgewing van Carnarvon.

M.Sc. - W.J. Smuts
The sedimentology of the Alexandria Formation.

M.Sc. - D.A. Stear
The topographic evolution of the Cenozoic landsurface between Port Elizabeth and Alexandria.
1988  Ph.D. -  B.S. Rubidge  
A palaeontological and palaeoenvironmental synthesis of the  
Permian Ecca-Beaufort contact in the southern Karoo between  
Prince Albert and Rietbron, Cape Province, South Africa.

M.Sc. -  D. Mee  
Bedforms, sedimentary structures and processes in the beach and  
surf zone of the Sundays River area.

1990  M.Sc. -  J.R. Burkinshaw  
A study of the airflow on the windward slope of a transverse dune  
in the Alexandria coastal dunefield.

M.Sc. -  C.C. Nolte  
The structure and tectono-stratigraphy of the Gamtoos Pre-Cape  
between Tweewaters and Classen Point, eastern Cape Province, R.S.A.

1992  Ph.D. -  W.K. Illenberger  
Sediment dynamics of the Sundays estuary environment.

M.Sc. -  F.P. Badenhorst  
Lithostratigraphy, facies changes and regional correlation  
of part of the Damara Sequence.

M.Sc. -  J. Hattingh  
Dispersal of sediments in the gravel-bearing braided Swartkops  
River, Uitenhage.

1993  Ph.D. -  J.S.V. Reddering  
Sedimentary facies, sequences and depositional environments of  
the Mesozoic Robberg Formation in its type area, South Africa.

**POTCHEFSTROOM UNIVERSITY FOR CHRISTIAN HIGHER EDUCATION**

1987  M.Sc. -  A.E. Saad  
A petrological study of the Rhenosterkop tin deposit.

1990  Ph.D. -  R.P. Schouwstra  
Mineralogical and geochemical investigation of the Zwartkoppie  
type ore, Sheba Gold Mine.

Ph.D. -  G. Smits  
Geochemical history of the sedimentary rocks of the Witwatersrand  
as reflected in the mineralogy of the heavy-mineral assemblage  
of the uranium-bearing reefs of the Central Rand Group.
1991 M.Sc. - J.H. Elsenbroek
Die struktueur en petrologie van die alkaligraniet in die Vredefortkoepel noordwes van Parys.

1992 Ph.D. - J.J. Mayer
Aspects of sedimentological, structural and stratigraphic investigations of the collar strata of the Vredefort Structure: contributions towards an understanding of the pre-history and origin of the structure.

M.Sc. - L.T. Henning
The palaeotopography of the Ventersdorp Contact Reef at the Western Deep Levels South Gold Mine, Carletonville, R.S.A.

1993 M.Sc. - M. Res
Petrology and geochemistry of the Hekpoort Andesite Formation between Frederikstad and Fochville.

UNIVERSITY OF PRETORIA

1987 D.Sc. - H.H.B. Hagelskamp
The influence of depositional environment and dolerite intrusions on the quality of coal - a study of the Twistdraai Mine area near Secunda, southeastern Transvaal.

D.Sc. - W-R-O. Jakob
The geochemistry and radiochemistry of the uranium occurrence on the farm Kaffirsfontein 328, Beaufort West district.

Ph.D. - E.H. Stettler
Theoretical basis of an induction borehole logging technique in the frequency and time domain.

M.Sc. - J.M. Barnard
Die verband tussen die petrografiese en chemiese eienskappe van Suid-Afrikaanse steenkool.

M.Sc. - C.C. Callaghan
The geology of the Waterberg Group in the southern portion of the Waterberg Basin.

M.Sc. - Van der Ahee Coetsee
Ekwivalensie in tydbestek EM-sonderings vir 'n vertikale magnetiese dipoolbron.
1987  M.Sc.  -  N.J. de Kock
(contd)  Die verandering van die wandgesteentes in die omgewing van die ertsliggame van Rosh Pinah.

M.Sc.  -  C.J. Nienaber Roberts
A mineralogical and petrographical investigation of the upper zone of the Bushveld Complex, northwest of Potgietersrus.

M.Sc.  -  R.J. Richards
A geological investigation of upper Transvaal Sequence rocks in the northern portion of the Rooiberg Fragment.

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Toepassing van die sleutelblokbeginsel vir stabiliteitsontleding van tunnels in genate rots.

1988  Ph.D.  -  J. Barclay
Anthracite in South Africa with special reference to its origin.

Ph.D.  -  H.J. Brynard
A petrological and geochemical study regarding the suitability of the Vaalputs radioactive waste disposal facility.

Ph.D.  -  C.H. Saayman
An interpretation procedure for thermogravimetric analysis on South African coals.

D.Sc.  -  T. Wallmach
The petrogenesis of high grade contact metamorphic mineral assemblages in calc-silicate xenoliths, eastern Bushveld Complex, South Africa.

M.Sc.  -  H.S. Barnard
Die ingenieursgeologiese inset tot kanaalkonstruksie.

M.Sc.  -  M.P. Blom
Selected magnetic and gravity anomalies in the eastern Transvaal and their possible relation to the Rustenburg Layered Suite.

M.Sc.  -  A.T. Dippenaar
The development of microcomputer software for the processing and interpretation of shallow reflection seismic data.

M.Sc.  -  D.J. Farrow
An improved chemical method for whole-rock Pb separations and its application to the petrogenesis of the Rooiberg felsite.
1988 M.Sc. - S.C. Greeff

'n Petrografiese ondersoek van kooks berei uit steenkoolmengsels
veral met verwysing na Soutpansberg-steenkool.

M.Sc. - N. Nixon
An investigation of a palaeomagnetic polarity reversal in the
eastern Bushveld Complex.

M.Sc. - J.C. Slee
Removal of the host rock response from time domain electromagnetic
data by transforming to, and filtering in the frequency domain.

1989 Ph.D. - P. Paige-Green
The influence of geotechnical properties on the performance of
gravel wearing course materials.

Ph.D. - G.V. Price
Site specific engineering geological rock mass characterization for
tunnelling.

Ph.D. - F.J. Reichhardt
A petrological investigation of the transition from the lower to the
upper critical zone in the central sector of the eastern Bushveld
Complex.

M.Sc. - R. Jacobs
Die geologie van Ermelomyne en die invloed daarvan op praktiese
mynprobleme.

M.Sc. - M.C. Jansen van Vuuren
The chemical properties and derived sedimentation patterns of the coal
seams in the Witbank-Highveld area.

M.Sc. - S.M.C. Verryn
Geochemical and petrographical investigation of the Waaikraal gold
deposit, northwest of Brits, Transvaal.

1990 Ph.D. - P.A. Botha
'n Mineralogiese benadering tot die optimisering van sintergehalte.

Ph.D. - U.M. Schreiber
A palaeoenvironmental study of the Pretoria Group in the eastern
Transvaal.

Ph.D. - E.E.W. Weder
The significance of gravity and seismic reflection techniques in deriving
a new structural model for the area south of the Central Rand gold
1990 (contd)

M.Sc. - D. Moolman

'n Termiese ondersoek na die omsetting van ammonium-diuranaat in uraandioksied.

M.Sc. - B. Muller

An evaluation of the application of the high resolution seismic method on coalfields in South Africa.

M.Sc. - S. Pitsiou

The effect of discontinuities on the erodibility of rock in unlined spillways of dams.

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A geological appraisal of the De Hoek, Thyspunt and Tony’s Bay areas in the Eastern Cape as potential nuclear power station sites.

M.Sc. - W.L. Schöning

Verspreiding van sinkgate en versakkings in die dolomietgebiede suid van Pretoria.

M.Sc. - M. van der Neut

Afsettingstoestande van die Pretoria Groep gesteentes in die Pretoria-Bronkhorstspruit-Delmas gebied.

M.Sc. - F.E. Wiegmans

Evaluation of frequency-domain electromagnetic methods in groundwater exploration.

1991 Ph.D. - D.M.W. Harney

Mineralogy of the lower part of the upper zone, eastern Bushveld Complex: implications for ore-forming processes.

Ph.D. - C.J.U. Swart

Grouting practices for the evaluation and improvement of dolomitic sites on the Far West Rand, South Africa.

Ph.D. - J.L. van Rooy

The durability characteristics and testing of Drakensberg basalt.

M.Sc. - R. Claassen

Microbiological oxidation of sulphide minerals from Agnes, New Consort and Sheba gold mines.
1991  M.Sc. - L.W. Schürmann
(contd)  The geochemistry and petrology of the upper critical zone in the
Boshock section of the western Bushveld Complex.

M.Sc. - G.B. Snow
Shear zone hosted gold mineralization in the Moodies Group at Sheba
Gold Mine, Barberton greenstone belt.

M.Sc. - M.A. Thomas
Engineering geological aspects of damage to infrastructure during the
1987/88 floods.

M.Sc. - J.J. van der Walt
Evaluation of time-domain electromagnetic technique for groundwater
exploration in the Kalahari.

M.Sc. - P.E. Wipplinger
The molybdenum potential of the sandstone-hosted uranium occurrences
in the Beaufort Group of the southern Karoo.

1992  Ph.D. - D.B. Buttrick
Characterisation and appropriate development of sites on dolomite.

Ph.D. - G.J. Potgieter
Tektonisme langs die noordoostelike rand van die Bosveldkompleks,
Suid-Afrika.

Ph.D. - K. Roberts
The marginal rocks of the Rustenburg Layered Suite of the Bushveld
Complex northwest of Pretoria.

M.Sc. - N.J.B. Andersen
A structural analysis of the Vaalputs waste disposal site and
environs, Bushmanland, South Africa.

M.Sc. - N. Berliner
A comparison of bedrock depths derived from a gravity survey versus
drilling, in a dolomite environment.

M.Sc. - P.J.A. Bosch
Die geologie van die Wolkberg Groep tussen die Abel Erasmuspas en
Graskop, Oos-Transvaal.

M.Sc. - A.T.R. Odgers
Processing and interpretation of the Bushveld seismic survey P1-86.
1992 M.Sc. - N.D. Pauls
(contd)
The palaeomagnetism of the northern limb of the Bushveld Complex.

M.Sc. - M.C. van Dalsen
A comparison of dip move-out algorithms - a South African case history.

RAND AFRIKAANS UNIVERSITY

1987 Ph.D. - M.C. Brink
Tektoniese en stratigrafiese ontwikkeling van die Witwatersrand Supergroep en verwante gesteentes in die gebied noord en oos van Klerksdorp.

M.Sc. - J.S. du Toit
Die toepassing van eksplorasiefase geologiese inligting op mynboubeplanning in die noordelike Secundasteenkoolveld.

M.Sc. - G.F.J. Horn
Die genese van bauxiet in Natal.

M.Sc. - S.J. Pretorius
Die geologie in die omgewing van Swartwater en die westelike deel van die distrik Messina in die sentrale sone van die Limpopo-gordel.

M.Sc. - E.H. Siepker
Genetiese stratigrafie en sedimentologie van die Opeenvolging Karoo in die westelike en noordelike deel van die Waterberg-steenkoolveld.

1989 M.Sc. - S.W. van Coller
Die Witpoortjieverskuiwing.

1990 M.Sc. - C.H.M. King
The geology of the Tsumeb carbonate sequence and associated lead-zinc occurrences on the farm Olifantsfontein, Otavi Mountainland, Namibia.

M.Sc. - P.A. Pitts
Aspects of shear strain in the East Rand Basin.
1991 Ph.D. - J.F. van Schalkwyk  
Metamorphism of ultramafic rocks during the Limpopo orogeny: evidence for the timing and significance of CO₂-rich fluids.

M.Sc. - M. Beattie  
Alteration and gold mineralisation in the Roodepoort Goldfield, Pietersburg granite-greenstone terrane.

M.Sc. - D.J. Muntingh  
Die sedimentologie en stratigrafie van die Ecca-Beaufortoorgang in die noord-oostelike gedeelte van die hoof Karookom.

M.Sc. - G. Stevens  
Vapour-absent melting in metapelite during the 2700 Ma Limpopo metamorphic event in South Africa: further evidence of the granite-granulite link.

1993 Ph.D. - F.H. Bohlender  
Igneous and metamorphic charnockitic rocks in the Southern Marginal Zone of the Limpopo Belt with special emphasis on the Matok enderbitic-granitic suite.

Ph.D. - D.S. Coetzee  
Syntectonic quartz vein formation in relationship to metamorphism, fluid inclusions and thrust tectonism on the northern margin of the Witwatersrand Basin.

Ph.D. - A.M. Killick  
Pseudotachylites of the West Rand Goldfield, Witwatersrand Basin, South Africa.

M.Sc. - J.F. Naude  
Diagenetiese betekenis van karbonaatkonsresies in die Karoo Opeenvolging, Suid-Afrika.

M.Sc. - M. Ruygrok  
The tectono-metamorphic evolution of a portion of the Rhenosterkoppies greenstone belt in relation to the Limpopo Orogeny, South Africa.
1987  M.Sc. -  M.J. Botha
Petrology and geochemistry of the Lower Group chromitites and host rocks on the farm Zandspruit 168 JP, western Bushveld Complex.

M.Sc. -  M. Field
The petrology and geochemistry of the upper Critical Zone of the Bushveld Complex at the Amandelbult Section of Rustenburg Platinum Mines Limited, northwestern Transvaal, South Africa.

M.Sc. -  N.J. Franey
A geological model of shear zone gold deposits in the Pietersburg greenstone belt, S.A.

M.Sc. -  J.E. Potgieter
Anorogenic alkaline ring-type complexes of the Damaraland Province, Namibia, and their economic potential.

M.Sc. -  G.M. Rankine
Gold metallogeny of Australia.

M.Sc. -  R.H. Smithies
The geology and alteration-mineralization of the Van Rooi’s Vley W-Sn deposit, Namaqua Metamorphic Complex, S.A.

M.Sc. -  T.D. Tregoning
The tectono-metallogenesis during the Irumide and Pan-African events in S.W.A./Namibia.

1988  Ph.D. -  A.A. Mitchell
The petrology, mineralogy and geochemistry of the Main Zone of the Bushveld Complex at Rustenburg Platinum Mines, Union Section.

M.Sc. -  J.Misiewicz
The geology and metallogeny of the Otavi Mountain Land, Namibia with special reference to the Berg Aukas Pb-Zn-V deposit, and model of ore genesis.

1990  Ph.D. -  R. Swart
The sedimentology of the Zerrissene turbidite system, Damara Orogen, Namibia.

M.Sc. -  F.C. Walraven
The geology and alteration-mineralisation of the Gamigab tin prospect, Damaraland, Namibia.
1990 M.Sc. - M.G.C. Wilson
(contd) A preliminary appraisal of the mineral potential of Venda based on a
reconnaissance geochemical soil sampling survey and literature review.

1991 Ph.D. - R.H. Smithies
The geochemical evolution of three alkaline complexes in the
Kuboos-Bremen igneous province, southern Namibia.

Ph.D. - B. Teigler
Mineralogy, petrology and geochemistry of the upper and lower
Critical Zones, northwestern Bushveld Complex.

M.Sc. - J.C. Badenhorst
The Precambrian iron-formations in the Limpopo Belt as represented
by the magnetite quartzite deposits at Moonlight, Koedoesrand area,
northern Transvaal.

M.Sc. - W.D. Bullen
Gold mineralization in an Archaean granite-greenstone remnant
west of Melmoth, Natal: ore genesis and implications for exploration.

M.Sc. - I.D. de Klerk
The nature and origin of gold mineralisation in the Tugela Valley:
Natal structural and metamorphic province.

M.Sc. - F.G. Matheys
The alluvial diamond deposits of the lower Vaal River between
Barkly West and the Vaal-Harts confluence in the northern Cape
Province, S.A.

M.Sc. - M. Moroni
The geology, petrology and geochemistry of the mineralization and
hydrothermal alteration at Ongeama, Ongombo and Matchless West
Extension, Namibia.

M.Sc. - R.L. Nichols
The Springfontein prospect: a case study of a Tertiary age epithermal
hot spring deposit in the eastern Cape.

M.Sc. - T.E. Nowicki
Mantle xenoliths from the Abrahamskraal kimberlite: a craton-margin
geotherm.

M.Sc. - D.K. Whitfield
The genesis and controls of gold mineralization south of Rehoboth,
Namibia.
1992 Ph.D. - W.J. de Klerk
Petrogenesis of the upper Critical Zone in the western Bushveld Complex with emphasis on the UG1 Footwall and Bastard Units.

Ph.D. - W.D. Maier
Geochemical and petrological trends in the UG2-Merensky Unit interval of the upper Critical Zones in the western Bushveld Complex.

M.Sc. - N.J.F. Blamey
The geology and evaluation of the 'A'-Reef at No. 3 Shaft, Western Holdings Mine, Welkom Goldfield.

M.Sc. - M.B. Brennan
The genesis of ilmenite-rich heavy mineral deposits in the Bothaville-Delmas area, and an economic analysis of titanium, with particular reference to the Dwarsfontein deposit, Delmas district.

M.Sc. - C. Jackson
A microstructural kinematic study of selected shear zones in the Hartbees River thrust belt, northeastern Namaqua tectonic province.

M.Sc. - B.D. Joubert
Small-scale mining in southern Africa.

M.Sc. - M.L. Lane
Nickel sulphide mineralization associated with Archaean komatiites.

M.Sc. - J.J. Latorre-Muzzio
Exploration for stratabound copper, lead and zinc deposits in the Damara-Katanga Orogen, central-southern Africa.

M.Sc. - M.A.L.F. Linklater
The exploration for, and possible genesis of, some Archaean granite/gneiss-hosted gold deposits in the Pietersburg granite-greenstone terrane.

M.Sc. - M.D. Lynn
The development and distribution of heavy mineral concentrations in alluvial systems.

M.Sc. - M.A. Noppe
Geological controls for coal exploration and mining.

M.Sc. - A.G. O'Donovan
Facies mapping of the Vaal Reef Placer as an aid to remnant pillar extraction and stope width optimisation.
1992  M.Sc. - F.D.P. Pelly
(contd) Guidelines to the evaluation of selectively mined, open pit gold
deposits during the exploration stage of mine creation.

M.Sc. - A. Riganti
The geology and geochemistry of the northwestern portion of the
Usushwana Complex, S.E. Transvaal.

M.Sc. - F.E.D. Senzani
Pegmatite hosted mineral deposits of central and southern Africa:
regional geological settings and preliminary exploration target
considerations.

M.Sc. - C.B. Tinney
The surface geology of the Lavino Chrome Mine on the farm
Grootboom 336KT, E. Transvaal.

M.Sc. - M. Veselinovic
Genetic models for epithermal gold deposits and applications to
exploration.

1993  M.Sc. - B.D. Coxon
Laterisation and secondary gold distribution with particular reference
to Western Australia.

M.Sc. - G.B. Dwyer
The geology of the Welkom Goldfield with special reference to the
"A", "B" and Beatrix Reefs.

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. - 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

1987  M.Sc. - C.A. Barnardt
The application of ultrasonic nebulization to ICP-AES analysis of
metallurgical and geological samples.
1987 M.Sc. - W. Lesch
(contd)
Mineral composition of powder fly ash (PFA).

M.Sc. - W.D. Scott
A lithostratigraphic and metamorphic profile across the Kaapvaal-
Namaqua boundary, northwest Cape Province.

1988 M.Sc. - J.J.P. Swanepoel
Die stratigrafie en sedimentologie van die Almannryggengroep in
die Borgmassivet, Wes Koningin Maudland, Antarktika.

1989 M.Sc. - C.H. de Beer
Structure of the Cape Fold Belt in the Ceres syntaxis.

M.Sc. - F.G. le Roux
The lithostratigraphy of Cenozoic deposits along the southeast
Cape coast as related to sea-level changes.

M.Sc. - D.J. Scheepers
The petrology and geochemistry of the Vogelstruisbult Annex Cu-Zn
deposit, Prieska district, northwestern Cape.

1990 Ph.D. - R. Scheepers
Magmatiese assosiasies en radio-elementgeochemie van geselekteerde
Kaapse graniete, met spesiale verwysing na subalkaliiese en
leukogranietfases.

M.Sc. - L.J. Jordaan
The geology and geochemistry of mafic and intermediate igneous
rocks associated with the Cape granites.

1991 Ph.D. - G.J. Greeff
The geohydrology of a typical catchment in the Cape Supergroup,
Breë River Valley.

1993 Ph.D. - H.P. Siegfried
The Malmesbury batholith and its relationship to granitic plutons
in the Swartland Tectonic Domain.

UNIVERSITY OF THE WESTERN CAPE

1987 M.Sc. - R.N. Domoney
Stress and strain variation across shear zones in the Areachap Group,
northwest Cape Province, South Africa.
1987  M.Sc. -  H.G. Swartz
       (contd)  The structural evolution of the Areachap Group west of Kleinbegin,
               northwest Cape Province, South Africa.

UNIVERSITY OF THE WITWATERSRAND

1987  Ph.D. -  R.A. Armstrong
       Geochronological studies on Archaean and Proterozoic formations of
       the foreland of the Namaqua front and possible correlates on the
       Kaapvaal Craton.

       Ph.D. -  G. Borg
       Controls on stratabound copper mineralization at Klein Aub Mine and
       similar deposits within the Kalahari copperbelts of South West Africa/
       Namibia and Botswana.

       Ph.D. -  M.J. Hughes
       The Tsumeb ore body, Namibia, and related dolostone-hosted base
       metal ore deposits of Central Africa.

       M.Sc. -  T.R. Marshall
       The morphotectonics of the Orange Free State.

       M.Sc. -  W.A. Wilsher
       A structural interpretation of the Witwatersrand Basin through the
       application of automated depth algorithms to both gravity and
       aeromagnetic data.

       M.Sc. -  P.K. Zawada
       The stratigraphy and sedimentology of the Ecca and Beaufort Groups
       in the Fauresmith and Jagersfontein districts.

1988  Ph.D. -  S.H. Connell
       Internal fields in diamond and related materials.

       M.Sc. -  J.M. Barr
       Isotope character of barite and ore genesis in central
       Bushmanland.

       M.Sc. -  G.R. Drennan
       The nature of the Archaean basement in the hinterland to
       the Welkom Goldfield.

       M.Sc. -  J.G. Levitt
       Ultrasonic measurement of the elastic properties of fused
       quartz at elevated temperatures and pressures.
1989  Ph.D. -  D.R. Brawn
A maximum entropy approach to underconstraint and inconsistency in the seismic source inverse problem; finding and interpreting seismic source moments.

Ph.D. -  C.W. Clendenin
Tectonic influence on the evolution of the early Proterozoic Transvaal sea, southern Africa.

Ph.D. -  R.J. Durrheim
A seismic investigation of the Kaapvaal Craton.

M.Sc. -  M.F.F. Ferraz
The nature of the Archaean basement in the provenance areas of the East Rand and Evander goldfields.

M.Sc. -  O.D. Goldbach
The use of seismogram waveforms to characterize the fracture zone around a mine excavation.

M.Sc. -  O.J. Maponga
The geology and mineralization of the Epoch nickel deposit, Zimbabwe.

M.Sc. -  R. Tyler
Cyclic sedimentation and gold mineralization in the Malmani Dolomite Subgroup, Pilgrim’s Rest-Sabie area, eastern Transvaal.

1990  Ph.D. -  L.A.G. Antoine
Processing and interpretation of near-earth satellite magnetic data.

Ph.D. -  P.A. Kukla
Tectonics and sedimentation of a late Proterozoic Damaran convergent continental margin, Khomas Hochland, Central Namibia.

Ph.D. -  T.R. Marshall
The nature, origin and evolution of the diamondiferous gravels of the southwestern Transvaal.

Ph.D. -  R.E. Myers
The geology of the Godwan Basin, eastern Transvaal.

Ph.D. -  M. Tredoux
The platinum-group elements: nuclear methods for their analysis and their behaviour in terrestrial rocks and meteorites.
1990 M.Sc. - J.H. Genis
(contd) The sedimentology and depositional environment of the Beatrix Reef, Witwatersrand Supergroup.

M.Sc. - G.K. Hodginson
Palaeomagnetic studies in Western Dronning Maud Land, Antarctica.

M.Sc. - M.J. Holland
A palaeoenvironmental analysis of the Turffontein Subgroup (Witwatersrand Supergroup) around the Vredefort Dome.

M.Sc. - J.D.M. Law
Mineralogy, geochemistry and alteration of Witwatersrand metasediments in the Welkom area: implications for mineralization.

M.Sc. - D. McB Martin
Early Proterozoic syndepositional tectonics along the Thabazimbi-Murchison line, west of Thabazimbi.

M.Sc. - S.J. Martin
A geophysical investigation of the Crocodile River Fragment and associated intrusions.

M.Sc. - M.R. Muller
Lithospheric structure for the Kaapvaal Craton and its margins from the analysis of long-period and broad-band teleseismic P-waves.

M.Sc. - W.H.B. Steenkamp
Automatic three-dimensional modelling of gravity and magnetic data in the Witwatersrand Basin.

M.Sc. - J.M. Myers
The stratigraphy and geochemistry of the Klipriversberg and Platberg groups of the Ventersdorp Supergroup in the Klerksdorp area, western Transvaal.

M.Sc. - M.A. Thomas
A facies analysis of the main conglomerate formation on East Rand Proprietary Mines Limited.

M.Sc. - S.J. Webber
Quantitative modelling of mining induced seismicity.

1991 Ph.D. - C.P. du Plessis
Tectonics along the Thabazimbi-Murchison lineament.
1991 Ph.D. - S. Master
(contd) The origin and controls on the distribution of copper and precious metal mineralization at the Mangula and Norah mines, Mhangura, Zimbabwe.

M.Sc. - A.C. Bailey
The stratigraphy and sedimentology of the upper Johannesburg and Turffontein Subgroups in the southwestern portion of the Welkom Goldfield.

M.Sc. - W.H. Barker
Geophysical studies of the Limpopo Belt.

M.Sc. - R.S.J. Cole
Design of a seismic data acquisition system and automatic triggering software.

1992 Ph.D. - G. Henry
The sedimentary evolution of the Damara sequence in the lower Khan River Valley, Namibia.

Ph.D. - B.K. Sander
Aspects of the geology and sulphide ore potential of the Mount Ayliff intrusion, Transkei.

M.Sc. - P.D. Harris
The evolution and structural setting of pegmatites at the New Consort Gold Mines, Barberton.

M.Sc. - R. Holdsworth
The petrology, mineralogy and geochemistry of the upper West Rand Group in the Klerksdorp area.

M.Sc. - P.L. Linton
The geochemical stratigraphy of the Klipriviersberg Group along the western margin of the Witwatersrand Basin.

M.Sc. - P.J. Roberts
The geology and geochemistry of selected Pb-Zn deposits in the Chuniespoort/Ghaap Group of the Transvaal Sequence, South Africa.

1993 Ph.D. - M. Harley
The geology of the Sabie-Pilgrim’s Rest Goldfield, with special reference to Elandshoogte Mine.
A.F.M. Kisters
Structural relationships of economic ore-bearers in the Okiep copper district, Namaqualand, NW Cape.

P.M. Gidlow
Rock property estimation using A V O analysis.

C.D. Lear
Ground vibration parameters and induced structural damage of a residential building at an open-strip coal mine.
ERRATA AND ADDITIONS

Errors and omissions noted in the bibliography of theses which appeared as Information Circular No. 195 of April, 1987 are corrected in the section below. Misunderstandings contributed to the misinterpretation of information on theses submitted to the University of Natal (Durban) and the University of Natal (Pietermaritzburg) for the period 1970-1986. Revised pages reflecting additions and deletions from the previous lists found on pages 47-50 of Information Circular No. 195 are provided.

UNIVERSITY OF NATAL (DURBAN)

1971 Ph.D. - D.C. Neethling
South African earth science exploration of Western Queen
Maud Land, Antarctica.

M.Sc. - A.T. Champion
The mineralogy and related geology of the Albert silver mine,
Bronkhorstspruit, Transvaal.

M.Sc. - D.N. Robinson
The geology of an area northeast of Mapumulo, Natal.

1972 M.Sc. - G. Lambert
A study of Cretaceous Foraminifera from northern Zululand, South
Africa.

M.Sc. - N.J. Roberts
The geology of an area to the northeast of Inanda, Natal.

1973 M.Sc. - P.G. Hartopp
Air photo interpretation applied to the concept of soil engineering:
land pattern/facet mapping within the Beaufort Series, Karoo.

M.Sc. - Q.B. Hendey
The late Cenozoic carnivora of the southwestern Cape Province.

M.Sc. - C.M. Orr
A study of fracture formation in a rock model.

1974 M.Sc. - M.R. Cooper
A revision of the lower Cretaceous (Upper Valanginian) Cephalopoda
from the Uitenhage formation of South Africa.

1975 M.Sc. - J.E. Guy
The geology of an area to the northwest of Mandini, Zululand.
1975  M.Sc. -  C.M.H. Jennings
        (contd)  The hydrogeology of Botswana.

1976  M.Sc. -  K.B. McQuillan
        A computer based system for the evaluation of coalfield data.
        M.Sc. -  P. Paige-Green
        The geotechnical properties of Dwyka Tillite in the Durban area.

1977  M.Sc. -  J.W. Bristow
        Geology and geochemistry of the southern Lebombo.

1978  M.Sc. -  R.A. Armstrong
        A geological and geochemical appraisal of the Rooi Rand dyke swarm,
        Lebombo.
        M.Sc. -  A. Schulze-Hulbe
        A study of the structure and metamorphism of the rocks of the Tugela
        group exposed in the Mambula Mbongolwane area, Natal.

1979  M.Sc. -  S.O. Rigotti
        The geology of the Tugela Group in the Middledrift area, Natal.

1980  M.Sc. -  P. du Toit
        Geology of the Nanda area, Natal.
        M.Sc. -  R.E. Harmer
        Pre-Cape geology of the Tugela Valley north of Kranskop, Natal.
        M.Sc. -  J.L. Kuyper
        Geology of an area southeast of Nagle Dam, Natal.
        M.Sc. -  C.T. Logan
        Aspects of Karoo volcanicity in the Komatipoort area, Lebombo.

1981  Ph.D. -  E.G. Charlesworth
        Tectonics and metamorphism of the northern margin of the Namaqua-
        Natal Mobile Belt near Eshowe, Natal.
        Ph.D. -  T.J. Smalley
        Structure and metamorphism of the Tugela Group within the northern
        zone of the Natal-Mobile Belt.
        M.Sc. -  D.L. Roberts
        The stratigraphy and sedimentology of the Natal Group in the
        Durban area.
1981  M.Sc. -  A.M. Smith  
(contd)  
Lacustrine stromatolites of the Etosha Pan, South West Africa (Namibia).

1982  M.Sc. -  B.G. Bulley  
Geology of the Tafamasi area, Natal.

      M.Sc. -  A.D.M. Christie  
Stratigraphy and sedimentology of the Molteno formation in the  
Elliot-Indwe area, Cape Province.

      M.Sc. -  L. Lapinsky  
An electron microprobe investigation of some rocks from the Bushveld  
Complex contact aureole.

1983  M.Sc. -  R.W. Dell  
Major fault systems in the mining area of Western Holdings Limited  
Gold Mine (Holdings D. Division) in the Orange Free State goldfields.

1984  M.Sc. -  M.J. Evans  
Precambrian geology west of Scottburgh, Natal.

      M.Sc. -  T.E. Francis  
Engineering geology of the lower Umgeni valley, Durban.

1985  M.Sc. -  D.R.H. Harriss  
An investigation of the engineering geology of five new railway  
tunnels between Vryheid and Richards Bay, Natal.

      M.Sc. -  J.H.F. Wagener  
Geology of the Prieska copper-sinc deposit, northwestern Cape.

UNIVERSITY OF NATAL (PIETERMARITZBURG)

1974  M.Sc. -  A.B. Cadle  
A subsurface sedimentological investigation of parts of the Ecca  
and Beaufort Groups in the north-eastern Karoo Basin.

      M.Sc. -  D. Mathew  
A statistical and palaeoenvironmental analysis of the Ecca Group.

1977  M.Sc. -  J.R. Turner  
Palaeoenvironmental study of the lower Beaufort in the northeast  
Karoo Basin.
1978  M.Sc. -  H.D. Greenshields  
A palaeoenvironmental analysis of the Beaufort Group along the Transkei and parts of the Ciskei coast.

M.Sc. -  M.B. Watchorn  
Sedimentology of the Mozaan Group in the south-eastern Transvaal and northern Natal.

1979  Ph.D. -  G.A.D. Zelt  
A geotraverse across Namaqualand, South Africa: the petrology, geochemistry and structural relations of a Proterozoic, high-grade metamorphic terrane.

M.Sc. -  S.S. Absolom  
A sedimentological analysis of gold distribution in the Kimberley Reef at South Roodepoort Main Reef Areas Limited.

M.Sc. -  B. Cairncross  
Depositional framework and control of coal distribution and quality, Van Dyk’s Drift area, northern Karoo Basin.

M.Sc. -  O.R. Dix  
The geology of the Tugela Rand intrusive suite.

M.Sc. -  P.G. Eriksson  
A palaeoenvironmental study of the Clarens Formation in the Natal Drakensberg.

1980  Ph.D. -  N.V. Armstrong  
The geology and geochemistry of the Nsuze Group.

1982  M.Sc. -  M.C. Brink  
The structural geology of the Buffelsfontein Gold Mine.

1983  Ph.D. -  P.G. Eriksson  
A palaeoenvironmental study of the Molteno, Elliot and Clarens formations in the Natal Drakensberg and north-eastern Orange Free State.

M.Sc. -  G.H. Grantham  
The tectonic, metamorphic and intrusive history of the Natal Mobile Belt between Glenmore and Port Edward, Natal.

M.Sc. -  T.C. Page  
Pure and applied sedimentology of the Ecca-Beaufort rocks of the Drakensberg pumped storage scheme.
1984 Ph.D. - J.D. Ward
Aspects of the Cenozoic geology in the Kuiseb Valley, central Namib Desert.

M.Sc. - P.B. Groenewald
The lithostratigraphy and petrogenesis of the Nsuze Group, northwest of Nkandla.

1985 M.Sc. - J.L.C. Kilham
The effect of calcritization on selected heavy minerals in kimberlites.

1986 Ph.D. - J.R. Krynauw
The petrology and geochemistry of intrusions at selected nunataks in the Ahlmannryggen and Giaeverryggen, Western Dronning Maud Land, Antarctica.

The changes to the above listings also necessitate corrections to the alphabetical lists appearing from page 1 to 41 of Information Circular No. 195. These include:

Add reference:
Seismicity in the Welkom area, OFS (with special reference to the origin of the 1976-12-8 event).

Add reference:

Add reference:
p. 6. CAIRNCROSS, B. (1979) - M.Sc. - Natal (Durban) should read Natal (Pmb).

Add reference:
Digital processing of marine seismic records from the south west Indian Ocean.

Add reference:
p. 7. CORNER, B. (1977) - M.Sc. - Witwatersrand
A geological investigation of the area surrounding Dordabis in South West Africa.

Add reference:
p. 9. DU TOIT, P. (1979) - M.Sc. - Natal (Durban)
Geology of the Nanda area, Natal.

Add reference:
p. 10 ERIKSSON, P.G. (1979) - M.Sc. - Natal (Durban) should read Natal (Pmb).

Add reference:
p. 11 FINK, J.B. (1980) - M.Sc. - Witwatersrand
Inter-facial phenomena between liquid electrolytes and semi-conducting base metal sulphides.
Add reference:
M.Sc. - Witwatersrand

Add reference:
M.Sc. - Natal (Pmb)

Add reference:
p.19 KRYNAUW, J.R. (1986) - The petrology and geochemistry of intrusions at selected nunutaks in the Ahlmannryggen and Giaeverryggen, Western Dronning Maud Land, Antarctica.


Add reference:
M.Sc. - Natal (Dbn_)

M.Sc. - Witwatersrand.

Ph.D. - Natal (Pmb)

p.39 WATCHORN, m.b. (1978) - M.Sc. - Natal (Durban) should read Natal (Pmb).

Additional corrections to the listing of theses arranged according to University are included below:

Digital processing of marine seismic records from the south west Indian Ocean.

The felsic intrusives in ERPM Boksburg.

p.76 Add reference (1977): M.Sc. - B. Corner
A geophysical investigation of the area surrounding Dordabis in South West Africa.
-66-

F. Arnott
Seismicity in the Welkom area, O.F.S. (with special reference to the origin of the 1976-12-8 event).

J. B. Fink
Inter-facial phenomena between liquid electrolytes and semi-conducting base metal sulphides.

E. Peberdy
Geological effects on seismic elastic wave attenuation with specific application to the magnitude assessment.

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