

## **EARTH SCIENCES BSc Theses - Chronological Listing (page 1 of 16)**

- Barnett, C. Geochronology and Postglacial Forest History of the Lake Medad Area, Hamilton, Ontario, 1971.
- Brinsmead, R.A. Relationship of the DeCew Formation to the Clinton and Albemarle Groups of the Middle Silurian, Vicinity of St. Catharines, Ontario, 1971.
- Brown, D. Flow Features within Pillowed Lavas, 1971.
- Cooper, A. The Environmental Geology of the Former Northern Louth Township, 1971.
- Gawron, E. A Study of a Sampling Technique Employed in the Application of Stream Sediment Geochemical Survey Methods to the Study of Mans Effects on the Chemistry of the Environment, 1971.
- Goodwin, J. The Mineralogy and Petrology of an Aphebian Conglomerate Unit from the Northwest Territories, 1971.
- Liebscher, H. A Seismic Reconnaissance of Brock University South Campus, 1971.
- Patten, B. Heavy Mineral Studies in Tills North of Bruce Mines, Ontario, 1971.
- Ramanauskas, J. A Geochemical Study of Subsurficial Material in the Down-ice Direction of the Kidd Creek Sulfide Deposits, Kidd Township, Timmins, Ontario, 1971.
- Richardson, L. An Elutriation Method for Grain Size Analysis, 1971.
- Spensieri, E. Evaluation of Crustal Shortening of Some Aphebian Rocks in the District of Keewatin, 1971.
- Turner, R. The Study of a Portion of the Lingham Lake Complex, Eastern Ontario, 1971.
- Winn, R. Geochemical Study in the Vicinity of the Niagara Falls Dump, 1971.
- Alley, D. Rock Particle Transport Distances in the Norwood Esker, 1972.
- Atherton, P.J. Some Engineering Properties of Three Glacio-Lacustrine Deposits in the Niagara Peninsula, 1972.
- Atkinson, J. Petrofabric Analysis Using the Quantimet Image Analysis Computer, 1972.
- Barnett, P. Preliminary Study of coastal Mudslumps at Peninsula Point near Tuktoyaktuk, District of Mackenzie, Northwest Territories, 1972.
- Blewett, K. A Stratigraphic Study of the DeCew Formation, 1972.
- Edwards, W. A Study of Gabbro Esker Labrador, 1972.
- Ernesaks, I. Atomic Absorption Spectrophotometric Analysis of Certain Intrusive Rocks of the Grenville Province, 1972.
- Jesseau, C. A Tentative Classification of Glacial Clasts, 1972.
- Jesseau, S. Holocene Paleoecology and Geochronology of the Southeastern Georgian Bay Region, 1972.
- Richardson, R. A Preliminary Dendroclimatological Study of the Inuvik Area, N.W.T., 1972.
- Sado, E. A Lithological, Textural and Chemical Analysis of Surficial Tills Found in Essex County, Ontario, 1972.

## **EARTH SCIENCES BSc Theses - Chronological Listing (page 2 of 16)**

- Schreiner, B. The Relationship Between Runoff and Lake Level in the Lake Winnipeg Drainage Basin, 1972.
- Seyers, W. Surficial Geology and Geotechnical Aspects of Foundation Materials in North St. Catharines, Ontario, 1972.
- Steltner, I. The Mississagi Formation in the Denvic Lake Area, District of Sudbury, Ontario, 1972.
- Tizzard, P. Grain Size Analysis of Clay Sizes with the Quantimet 720, 1972.
- Alther, G. The Effects of a Farmyard on the Geochemistry of Nearby Streams, 1973.
- Arbour, J. Determination of the Runoff Response Functions for the Soper Creek Basin, Ontario, 1973.
- Carpenter, R. Air Pollution and Meteorology - A Study of Particulate Pollutants in Respect to the Effect of Geological Events on Climatic Change, 1973.
- Funk, G. Study of "Granitic" (Plutonic) Phenoclasts from Selected Archean Conglomerates, 1973.
- Hoggan, D. Metamorphism of a Gabbro, 1973.
- Kennedy, I. Ore Deposits in Canada and their Comparison to Lindgren's Classification, 1973.
- Lechow, W. Two Channel Digital Interval Timer for Seismic Refraction Subsurface Investigations, 1973.
- Lockhart, J. The Application of Numerical and Statistical analysis in Tree-Ring Studies, 1973.
- Markham, M. Fossil Assemblage of the Irondequoit Formation, 1973.
- Mateyk, M. Comparison of Testing Techniques of Slug - Injection Tests, 1973.
- McEachnie, R. The Statistical Analysis of a Pluton using X-Ray Fluorescence, 1973.
- Perrie, L. Particle Size Distribution in Varved Sediments, 1973.
- Podolak, WE. Ostracodes from Atkins Lake and Holocene Environmental Changes, 1973.
- Willekes, C. Technique and Application of Radiography in the Study of Lake Cores, 1973.
- Wilson, A. Variation in Hydrologic Geometry of Rivers Across Canada, 1973.
- Woerns, N. A Study of Bog and Lake Deposits Related to Landscape Geochemistry in the Dorset Area, Ontario, 1973.
- Bis, G. Late-Wisconsin and Holocene History of the Dry Lake Area near Marlbank, Ontario, 1974.
- Chapman, T. Accumulation of Heavy Metals in Soils and Grasses Along the Queen Elizabeth Way in the Niagara Peninsula, 1974.
- Cross, D. Petrographic Analysis of Selected Intrusive Rocks of the Grenville Province, 1974.
- Hiscott, R. A Petrochemical and Petrological Investigation of an Archean Volcanic Sequence, Superior Province, Canada, 1974.
- Koopmans, R. Quaternary Geology of the Buried St.Davids Gorge, Niagara Falls, Ontario, 1974.

### **EARTH SCIENCES BSc Theses - Chronological Listing (page 3 of 16)**

- Leggett, S. A Petrographic and Stratigraphic Study of the Flaherty Formation, Belcher Islands, Northwest Territories, 1974.
- Parkins, W. Source of Chert from Welland River Archaeological Sites, 1974.
- Pocock, D. Viking Sand Deposition in the Chip Lake Area, Ablerta, 1974.
- Seabrook, M. A Palynological and Geochronological Study of Sediments from Marl Lake, Ontario, 1974.
- Souliere, J. Paleontology of the Renales Formation, 1974.
- Speirs, D. Flood Characteristics Across Canada, 1974.
- Taylor, R. A Study of the Parabolic Sand Dunes in the Lake Abitibi Region, Ontario, 1974.
- Winter, G. The Distribution of Copper in the Pecors Formation in Townships 168 and 162., 1974.
- Atherton, P.G. Hydrology and Sediment Distribution in the Fifteen, Sixteen and Twenty Mile Creeks, 1975.
- Babaris, A. Petrographic Characteristics of Tills Along the Northwest Shore of Lake Ontario and North to the Oak Ridges Moraine, 1975.
- Baker, C. L. Analytical Study of the Fine sediment Fraction of a Till, 1975.
- Barrett, K. R. A Paleocurrent, Paleoslope and Provenance Study of the Belcher Group, 1975.
- Cass, J. I. The Devonian Stratigraphy of the Niagara Peninsula, 1975.
- Finamore, P.F. Borehole Stratigraphy of the Buried Dundas Valley, 1975.
- Gittings, F. Study of the Gowganda Varves as Compared with Recent Varves, 1975.
- Hachkowski, B. Seismic Determination of Porosity, 1975.
- Mucciarelli, S. Appraisal of Areal Groundwater Investigative Techniques with Application to Clinton Township, Ontario, 1975.
- Narbonne, G.M. Paleocology of the Rochester Formation, 1975.
- Page, C. E. Sediment Size Distribution and Transport Distance in and Esker Complex, Seaforth Map Area, Ontario, 1975.
- Panko, A. W. Some Effects of the Addition of Lead Arsenate as a Pesticide on the Geochemistry of Orchard Soils near St. Catharines, Ontario, 1975.
- Payne, C.W. A Petrological and Petrochemical Investigation of an Archean Volcanic Sequence, Southeast Rouyn Township, Quebec, Canada, 1975.
- Stirbys, A.F. A Petrographic and Geochemical Study of the Eskimo Formation, Belcher Islands, Northwest Territories, 1975.
- Wheeler, J.W. Some Acritarchs of the Niagara Peninsula, 1975.
- Workman, A. W. Morphology and Sediment Distribution in Riffle-Pool and Bar Sequences in a Small Channel Near Jordan, Ontario, 1975.

## **EARTH SCIENCES BSc Theses - Chronological Listing (page 4 of 16)**

- Wright, J.F.        The Mapping and Correlation of Standard Penetration Resistance, 1975.
- Writt, R.            The Descriptive Classification of Silurian Churts of the Niagara Peninsula, 1975.
- Becker, F.H.        Characteristics and Occurrence of Pools and Riffles on the Niagara Peninsula, 1976.
- Coppelmans, J.L.    An Orientation Stream Sediment Study in an Area of Three Different Land Uses, Southeast of St. Catharines, Ontario, 1976.
- Desserud, B.A.      Petrographic and Geochemical Aspects of Rock Weathering, 1976.
- Eccles, S. L.        A Hydrological Study of the Grand River Flood May, 1976.
- Eckert, J.D.        Stratigraphy and Paleontology of the Bertie Formation, 1976.
- Fitzgerald, W.D.    Palynological and Climatic Analysis of Holocene Deposits in the Thetford Marsh, Grand Bend, Ontario, 1976.
- Gerbel, R.F.        A Petrographic and Petrochemical Study of some of the Archean Lavas of the Chibougamau District, Quebec. Canada, 1976.
- Girard, C.K.        A Stratigraphic Study of the Gasport Member of the Lockport Formation, 1976.
- Harmeson, D.B.     Distribution of Radioactivity in the Granitoid Rocks of the Johan Beetz Region, Quebec, 1976.
- Kerr, S.S.          The Determination of Mineralogical Textures Using Scanning Electron Microscopy, 1976.
- Liebau, W.S.        A Dendrochronological Study in the Central District of Mackenzie, N.W.T., 1976.
- Monteith, G.A.     A Study of Radioactive Pegmatites in Kaladar Township, 1976.
- Owen, R.C.         Metasomatic Alteration of Archean Lavas in the Abitibi Belt, 1976.
- Peach, S.            Comparison of Chemical Composition of Archean Granites and Geneses, 1976.
- Plint, H.A.         Fractional Sedimentation, 1976.
- Smith, M.D.        An Investigation of the "Ore Breccias" at the Millenbach Mine, Noranda, Quebec, 1976.
- Titano, D.          The Study of a Radioactive Bearing Granite Pegmatite, Carlow Township, Hastings County, Ontario, 1976.
- Veska, E.            Three Tests to Determine if a Hillside Landscape in the Smithville Area is Isogeochemical, 1976.
- West, J.H.          River Profiles Using a Random-Walk Model, 1976.
- Anderson, R.J.      Environmental Effects on an Emanometric Survey, 1977.
- Bazinet, J.P.        Stratigraphy of the Lower Eramosa (Lockport) Shaly Facies, 1977.
- Boyce, S.J.         A Petrological and Geochemical Comparison Between the Archean Sedimentary Units of the Pontiac Group and the Timiskaming Series; Rouyn-Bellecombe Map Area, Quebec, Canada, 1977.
- Bujas, R.            Genesis of the Uraniferous Pegmatites and Aplites at Sept-Isle Quebec, 1977.
- Coppaway, N.A.     Epoxy Briquette - A New Mounting Technique Designed for X-Ray Diffractometer Studies, 1977.

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- Hyslop, J.A.           Seasonality of Floods Across Canada, 1977.
- Learn, J.R.            Relations between the Timiskaming Conglomerate and the Surrounding Archean Volcanic Pile near Kirkland Lake, Ontario, 1977.
- Logan, J.M.           Mineralogy, and Heavy Metal Geochemistry of Middle Lake Sediments, Sudbury, Ontario, 1977.
- McDonald, G.R.       Mineral Chemistry and Paragenesis of Turquoise, Sar Cheshmeh, Iran, 1977.
- O'Loughlin, J.P.     Chemical and Metamorphic Petrology of the Triassic Lavas of the North Shore of Minas Basin, Nova Scotia, 1977.
- Putnam, P.E.         Application of the Random-Walk Model of Meander Formation to Different Terrains and Longitudinal Profiles, 1977.
- Quackenbusch, A.    A Preliminary Study of Vine Nutrition and Geological Substrata, 1977.
- Richardson, C. J.    Some Studies on the Origin of the Gowganda Formation, 1977.
- Risto, R.W.          Metal Contamination Downwind of the Port Colborne Nickel Refinery, 1977.
- Robbins, J.C.        The Relation Between Precipitation, Discharge, and the Thornthwaite Water Surplus across Canada, 1977.
- Scott, D.B.          A Petrogeochemical Study of the Crosby Lake Sill, McVittie Township: A Possible High Level Fractionation Chamber, 1977.
- Sherk, G.B.          Paleontology of the Lower Eramosa (Lockport) Shaly Facies,. 1977.
- Wiley, J.E.          Palynology of Holocene Deposits, Surficial Geology and Geomorphology of Coffin Island, Magdalen Island, Quebec, 1977.
- Ainsworth, B.H.     The Sedimentation and Stratigraphy of the Walkerton Clay Banks, 1978.
- Brisson, A.R.        Distribution of Chlorine and Clay Minerals in Intermediate Volcanics of the Abitibi Belt, 1978.
- Fakiyesi, F.         Radiocarbon Dating of the Lake Nipissing Stage in the Great Lakes History, 1978.
- Johnson, D.W.      Deformation and Metamorphism of Proterozoic Conglomerates of the Bishop; Corners Formation, Flinton, Group, Ontario, 1978.
- Phillips, A.R.       Till Chemistry of the Stratford-Conestogo Area, Ontario, 1978.
- Schell, B.C.         A Major Element Geochemistry and Coarse Grained Mineral Investigation of Late Glacial and Postglacial Sediments in Georgian Bay, Ontario, Canada, as related to the Great Lakes History, 1978.
- VanderVeen, H.W.   A Stratigraphic Study of the Goat Island Member of the Lockport Formation, 1978.
- Bray D.J.            Geochemistry and Clay Mineralogy of the Upper Ordovician Queenston Formation, 1979.
- Colquhoun, S.A.     A Petrochemical and Petrological Investigation of the Melchett Lake Belt, Superior Province, Canada, 1979.
- Frankovitch, M.     Pegmatite Studies of Crystal Lake, 1979.

## **EARTH SCIENCES BSc Theses - Chronological Listing (page 6 of 16)**

- Jocsak, R.P. A Petrographic Study of a Base Metal Showing, Melchett Lake Belt, Ontario, Canada, 1979.
- Kikauka, A. The Study of a Radioactive, Granitic, zones Pegmatite, Harvey Township, Peterborough County, Ontario, 1979.
- Lavigne, M.J. Relationship of Gold Mineralization with Hydrothermally Altered Granodiorite in Chester Township, 1979.
- Leyland, J.G. Late Wisconsin Geochronology and Palynology of the Walkerton-Kincardine Area, Ontario, 1979.
- Liversage, J.S. Petrology and X-Ray Analysis of the Gowganda Tillite, 1979.
- MacNeil, Y.M. Separation of Tills by X-Ray Diffraction of Microclasts, 1979.
- Novakowski, K. The Suspended Sediment of Sixteen Mile Creek, Ontario, 1979.
- Taylor, A.B. Petrology of the Burnt Lake Rock Units, Labrador, Newfoundland, 1979.
- Van Der Lann, J. Influence of Geology on Erosion Rates Along a Section of the Southern Shore of Lake Ontario,. 1979.
- Artinian, D. J. A Petrological and Geochemical Study of the Catherine Sills: Catherine TWP. Timiskaming District, Ontario, 1980.
- Bracken, J.D.L. Depositional Environment of the McMurray Formation in the Southeast Region of the Athabasca Oil Sands Deposit, 1980.
- Bradshaw, K.L. The Glacial History and Geomorphology of the Nagagami River Area, 1980.
- Hoyle, W.R. Effect of Simulated Acid Precipitation Flow through Glacially Derived Soils: An Experimental Study, 1980.
- Lolcama, J. The Bedrock Topography of the Buried Erigan River System, Southern Ontario, 1980.
- Parker, B. Uranium - Thorium - Rare Earth Assemblages, Southern Harcourt Township, Ontario, 1980.
- Pastirik, G.P. Analysis of a Till on the Basis of Microclasts, 1980.
- Ripley, B.N. A Paleocological Study of the Edgecliff Member of the Onondaga Formation, 1980.
- Anderson, M. Structure, Petrography and Chemistry of A Zones Migmatite Complex, Bancroft Region, Ontario: Relationship to Uraniferous Pegmatites, 1981.
- Chambers, S. Postglacial Peat Development and its Relation to Coal Forming Environments, 1981.
- Edgar, B. A Study of the Armoring Process of Twenty Mile Creek, Niagara Peninsula, Ontario, 1981.
- Fordham, C. On the Origins of the Port Maitland Moraine, 1981.
- Fraser, F. The Petrology and Geochemistry of Sao Miguel Island, The Azores Archipelago, 1981.
- Fraser, J. An Interpretation of Heavy Metal Distributions; Both Biogeochemical and Geochemical in the Port Maitland Area, 1981.
- Hoey, N. Geology and Palynology of Post-Glacial Beach Deposits at Victoria Harbour, Southeastern Georgian Bay, Ontario, 1981.

## **EARTH SCIENCES BSc Theses - Chronological Listing (page 7 of 16)**

- King, B.R. Geology of the Middle Dunphy Lake - South Shore Area Northern Manitoba, 1981.
- Kirkland, I. Characteristics of a Banded Iron Formation in the Ordovician Catchers Pond Group, North Central Newfoundland, 1981.
- Manuel, D. Dolomitization of the Lockport and DeCew Formations (Silurian), Niagara Peninsula, Ontario, 1981.
- Wolf, R.R. Biostratigraphy and Paleontology of the Middle Silurian Thornloe Formation, Lake Timiskaming Outlier, Ontario, 1981.
- Balinski, J. Experimental Dissolution of Recent Carbonate Fossils: Simulated Diagenetic Alteration, 1982.
- Barnsley, J.A. Dolomitization of the Thumb Mountain Formation Cape Gell, Cornwallis Island, Arctic, Canada, 1982.
- Chown, D. Geochemistry of the Eramosa Member (Silurian), Southern Ontario: Hydrocarbon Evaluation, 1982.
- Dubanow, T. Geochemical Analysis of Volcanics and Metasediments, Graff Lake Greenstone Belt: Origin of the Iron Formation, 1982.
- Holmes, P. Relation of Alteration Patterns to Sulphide Mineralization, McCabe-Gladstone Mine, Big Bug Mining District, Yavapai County, Arizona, 1982.
- Hurdle, S.C. Palynological and Geochemical Analysis of "K" and Hayes Lakes, Ontario: Paleoenvironmental Analysis, 1982.
- Janser, B. A Petrographic and Geochemical Analysis of the Nipissing Diabase Sill North of Iron Bridge, Ontario, Gladstone Township, 1982.
- Leppik, S. Metamorphism and Alteration, North Shore of Laurie Lake, Northwestern Manitoba, 1982.
- Maddalena, A.L. A Study of Stream Selective Sorting and Experimental Abrasion Applied to Twenty Mile Creek, Jordan, Ontario, 1982.
- Matthews, H.L. Middle Precambrian Felsic Volcaniclastics of the Lower Wasekwan Group in the Corner Lake Belt, Manitoba: Stratigraphy and Origin, 1982.
- Plishka, P. Geology and Ore-Forming Processes of the South Zone and Star Mine, Gunnison County, Colorado, 1982.
- Todd, V. The Distribution and Association of Gold and Silver in the Lower Levels of the Ruttan Mine, Leaf Rapids, Manitoba, 1982.
- Buck, S. A Study of the Tweed Esker, 1983.
- Calvert, T. An Investigation of an Archean Volcanic Sequence - Josephine Mine Area, Wawa, Ontario, 1983.
- Corkery, D. Jointing in the Niagara Peninsula, Ontario, 1983.
- Davison N. Hypersaline Mixing Zone Model of Dolomitisation for Silurian Guelph Formation, Barrier Reef Complex, 1983.
- Digel, M. A Petrologic and Geochemical Analysis of Two Texturally Distinct Metagabbroic Dyke Sets in the Grenville Province, Bayfield Area, Ontario, 1983.
- Honey, K. A Preliminary Analysis of the Ceramic Fabric of the B. Lent Pottery, 1983.

## **EARTH SCIENCES BSc Theses - Chronological Listing (page 8 of 16)**

- Kirkland, L.H. Chitinozoa of the Palliser Formation (Upper Devonian) Exshaw, Alberta, 1983.
- Lorek, E.G. Joint Orientation of Paleozoic Strata in the Grimsby-Dunnville Area Ontario, 1983.
- Maas, R.D. Geochemical and Petrologic Studies, Walmsley Lake Greenstone Belt, N.W.T., 1983.
- Meyer, D. A Dendrochronological and Geochemical Evaluation of Smelter Pollution Impact on Forest Ecosystems, Sudbury, Ontario, 1983.
- Nemeth, N. Studies of the Northwest Margin of the Britt Pluton, Georgian Bay, Ontario, 1983.
- Wade, W. Kimberlite Intrusions on Somerset Island, N.W.T. A Petrographic Comparison with Local and Regional Structural Control, 1983.
- Yaki, J. The Bedrock Topography of the Brantford-Cayuga Area, 1983.
- Bancroft, J. A Petrographic and Geochemical (Microprobe and XRF) Analysis of T and P Relationships Across a Gabbroic Body in the Grenville Province near Britt, Ontario, 1984.
- Farago, D. Petrology and Geochemistry of the Variolitic Rock Found at the Contact of a Gabbro and a Basaltic Lava, Thessalon, Ontario in order to Determine its Origin, 1984.
- Hinsperger, S. Chemical Analysis and Cathode Luminescence of Stromatactis, From the Gros Morbe Facies, Nfld. and the Tully Limestone (Devonian) of N.Y. State. It is hoped that this work may shed further light on either the organic or inorganic origin of Stromatactis, 1984.
- Holman, C. Determination of Fractionation Patterns of a Basalt-Andesite Suite, Whiteshell Area Manitoba. Petrographic studies of 65 thin sections and SRF Studies of 35 Samples will be carried out to determine possible patterns, 1984.
- Lenson, M. To determine the Possibility of Hydro-carbons in Devonian Rocks from the Michigan Basin on the Basis of Colour Alteration of Conodonts, 1984.
- Marko, K. A Petrological Analysis of Basanites from Takomkane Mountain in Eastern B.C., 1984.
- McGarroch, G. Glacial Geology and Chronology of Post-Glacial Events in the Brighton Area, Ontario. This study is an attempt to work out the palynological chronology of Lake Iroquois using bog deposits, 1984.
- Milinkovich, T. Dolomitization and Luminescence Stratigraphy of the Irondequoit Formation, Ontario and New York State, 1984.
- Millard, J. Structure and Petrofabrics of a Mineralized Shear Zone, Mishibishu Greenstone Belt, Superior Province, 1984
- Morrison, J. Geochemical Analysis of the Pennsylvanian Brush Creek Fauna, Penn. This study is an attempt to determine the degree of diagenesis and mineralogy of the fossil allochems in order to determine paleotemperatures and paleosalinity, 1984.
- Plint, H. Regional and Shear Strain, and Related Microtextures of Three Grenville Orthogenesis Bodies in Britt, Ontario. This study will involve quantitative and petrological work, 1984.
- Rae, A. A Petrological and Geochemical Study of the Lower Gull River Formation, Ordovician, in the Vicinity of Kingston, Ontario, 1984.
- Sanderson, C. A Petrographic and Geochemical Study of the Sudbury Diabase Dike Swarm to the West of Sudbury, as it Crosses the Grenville Front, 1984.



## **EARTH SCIENCES BSc Theses - Chronological Listing (page 9 of 16)**

- Sawicki, T. An investigation of Lake Wisconsin Ice Movement out of the Lake Ontario Basin in the Belleville-Trenton Area, Ontario. Till lithology, drumlin orientation and striae orientation studies are used to establish the direction of ice flow locally, 1984.
- Shaw, B. An Analysis of Till and Till Fabrics within the Cayuga-Caledonian Drumlins, Ontario. Three drumlins have been studied to determine the type of till found and its mode of deposition. Mechanical analysis, clast lithologic and clast shape studies have also been carried out, 1984.
- Walker, E. The Geochemical Relationships of the Britt, McNabb & Gereaux Plutons and their Associated Variants in the Britt Area, Ontario are Studied in Order to Determine the Relationship Between them, 1984.
- Weichert, K. Petrological and Geochemical Analysis of the Thessalon Rhyolite in Associated Flows to Determine the Origin (Mantel or Crust Derived) and Whether They are all From the Same Flow. Their economic importance will also be assessed, 1984.
- Atkinson, D. A Textural and Petrological Study of Igneous Rocks of Uncertain Origin from the Adel Lake - Klob Lake Area, Northern Ontario, 1985.
- Crick, D. A Field and Petrological Investigation of Archean Spherules, The Dome Mine, Timmins, Ontario, 1985.
- Durrant, A. Wall Rock Alteration Surrounding Auriferous Quartz Veins at the Rowan Lake Mine, Todd Township, Red Lake, Ontario, 1985.
- Flagler, P.A. Igneous and Metamorphic Petrography and Geochemistry of the Mafic Huronian Volcanics of the Thessalon Area, 1985.
- Hales, D. Taxonomy and Biostratigraphy of Acritarchs within Ordovician and Silurian Formations of the Manitoulin Island, Ontario, 1985.
- Hughes, J. Mode of Deposition and Stratigraphic Correlation of Late Quaternary Sediments of the Lake Ontario Bluffs in the Niagara Region, Ontario, 1985.
- Kergan, L. An Environmental Study of the Copetown Bog, Near Hamilton; Involving Palynological and Geochemical Analyses, 1985.
- Mayer, J. Geochemical and Petrographic Studies of Archean Volcanics. Caviar Lake Area, Northwestern Ontario, 1985.
- McNaughton, J. A Petrographical and Geochemical Comparison of the Felsic and Mafic Volcanics of the Thessalon Area, Thessalon, Ontario, 1985.
- Smale, J. Sedimentological Study, Stratigraphy and Depositional Model for Late Wisconsinan Deposits at Niagara-on-the-Lake, Ontario, 1985.
- Strychaluk, E. Geochemistry of Some Trace Elements in the Rochester (Silurian; Wenlockian) and Marcellus (Devonian; Eifelian) Shales in Southern Ontario, 1985.
- Abu Hassan, R. Composition of Glacial and Post-Glacial Sediments in 20 Mile Creek, near Jordan Harbour, 1986.
- Ainslie, A. Volcanism and Hydrothermal Activity - McAras Brook, Nova Scotia, 1986.
- Ballinger, M. Geochemistry of the Lyon Lake Base-Metal Ore Zone., 1986.
- Bratley, R. Limestone Diagenesis and Dolomitization of the Ordovician Stonington Formation, Upper Peninsula of Michigan, 1986.

### **EARTH SCIENCES BSc Theses - Chronological Listing (page 10 of 16)**

- Grootveld, J. Sedimentology and Geochemistry of Shales in the Norman Wells Area, N.W.T., 1986.
- Kanip, J. Geobiochemistry of Fossils from the Middle Devonian of New York, 1986.
- Lawson, G. Geological Investigations in the Oxaline Lake Area, Near Jellicoe, Northern Ontario, 1986.
- MacDonald, T. Stratigraphy of Drill Core through the Silurian of Navy Island, Niagara River and a Study of the Porosity in the Siliciclastics, 1986.
- Majid, M. Grainsize Distribution of Sands in Cattaraugus Creek, New York, 1986.
- Mayhew, K. Rock, Strain and Magnetic Susceptibility, 1986.
- McGrath, L. Investigation of a Shear Zone in a Granulite Facies Metabasite, Britt, Ontario, 1986.
- Parker, S. Studies of Heavy Mineral Sampling Technique in Esker Deposits, 1986.
- Robinson, A.M. An Investigation of the Metamorphic Assemblages in the Geraldton-Beardmore Belt, Northern Ontario, 1986.
- Soo, K. Geochemistry and Cathode Luminescence of the Irondequoit Formation (Surface and Subsurface) Southern Ontario, 1986.
- Suszek, M. A Study of Sorting Processes and Population Trends in the Credit River Lagoon, Port Credit, Ontario, 1986.
- Trapnell, R. Cement Geochemistry and Cathode Luminescence of the Mississippian Newman Formation, Kentucky, 1986.
- Barszcz, C.P. Mapping of Glacial Sedimentary Deposits in Russel County (SW of Ottawa) Using Reflection and Refraction Seismic Techniques, 1987.
- Borthwick, R.W. Distribution and Association of Gold Within Quartz Veins, Magino Mine, Goudreau, Ontario, 1987.
- Ciocchi, L.M. Trace Element Geochemistry of Post-Pleistocene and Modern Mollusca, Southern Ontario, 1987.
- Cook, K. Geochemical Variations in Stages of Rugose Corals in the Edgecliff Member (Onondaga Formation), 1987.
- McAllister, J.E. Geochemistry of Trilobite Carapaces, 1987.
- Nogas, C. Compaction Experiments on Various Carbonate Sands, 1987.
- Zorz, J.J. Geochemistry of Spring Water and Associated Source Material, Effingham, Ontario, 1987.
- Zuberec, P.M. Geochemistry and Petrology of a Layered Gabbro Intrusion, Northwestern Ontario, 1987.
- Allen, J. Stratigraphy and Sedimentology of the Dundee Member, Sarnia-Lambton Townships, Southern Ontario, Canada, 1988.
- Boland, R.A. The Geology of Domtar Mine Number 3, Caledonia, Ontario, Canada, 1988.
- Casselman, A. A Petrological Study of the Corundum Occurrence "Dunganite" Property, New York Area, Bancroft, Ontario, Canada, 1988.

**EARTH SCIENCES BSc Theses - Chronological Listing (page 11 of 16)**

- Colquhoun, I. Petroleum Evaluation of Lower Paleozoic Rocks of Southwestern Ontario: Geochemical Techniques, 1988.
- Dobrin, D.J. Erosion of Two Cohesive Bluffs Along the Northeastern Shoreline of Lake Erie, Lowbanks: An Investigation of Fluctuating Lake Levels, Short Term and Long Term as the Cause of Increasing Rates of Erosion, 1988.
- Hessin, W.A. Systematics and Paleocology of Trilobites from the Cobourg Formation (Middle-Upper Ordovician), Southern Ontario, Canada, 1988.
- Jerome, D. The Michigan and Williston Basins: A Critical Study, 1988.
- LeRoy, B. A Petrographical and Geochemical Study of the Carbonate Body at the Silver Crator Mine (Basin Property), Faraday Township, Ontario, Canada, 1988.
- Testana, N. Sedimentology and Depositional Environment of Pleistocene Surficial Deposits of the St. David's Gorge, Niagara Falls, Ontario, Canada, 1988.
- Webster, I.C.L. Skarn and Ore Minerology at the Hedley Amalgamated Mine, Hedley B.C., 1988.
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**EARTH SCIENCES BSc Theses - Chronological Listing (page 13 of 16)**

- Stiasny, S. Finite Element Modelling of the Joing of Pressure Solution Cleavage Seams, 1994.
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**EARTH SCIENCES BSc Theses - Chronological Listing (page 14 of 16)**

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### **EARTH SCIENCES BSc Theses - Chronological Listing (page 15 of 16)**

- Warrell, L.A. Process Mineralogy of Metamorphosed Turbidite-hosted Gold Deposits, Eastern Meguma Terrane, Nova Scotia, Canada, 1999.
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## **EARTH SCIENCES BSc Theses - Chronological Listing (page 16 of 16)**

- Dell, K. Dell. K. Xenoliths of the Mount Taylor Volcanic Field; Determining the Nature of the Lithosphere, 2011.
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