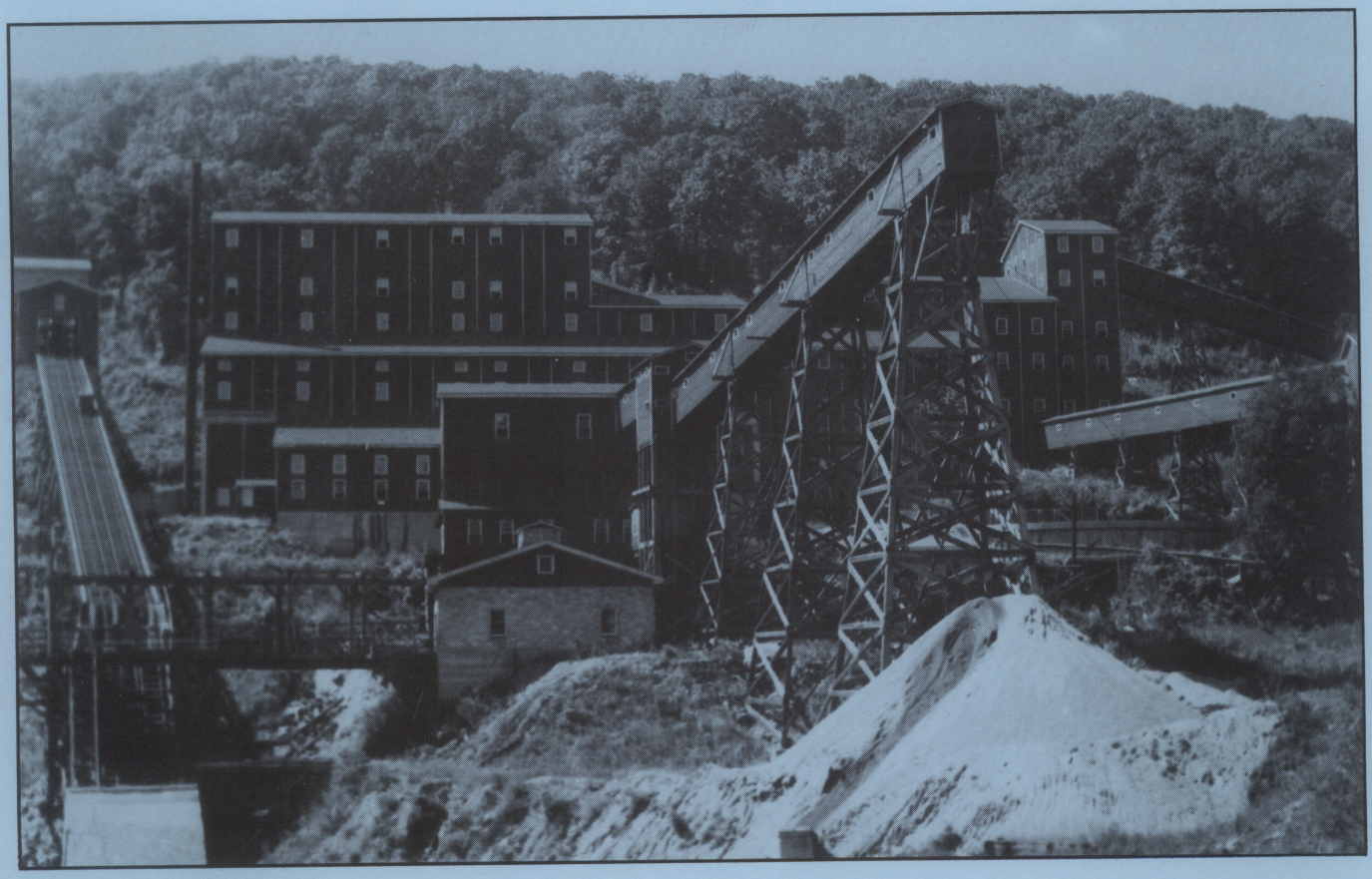
New Jersey Geological Survey
Geological Survey Report 21

# Bibliography and Index of New Jersey Geology
## 1753 - 1983



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Cover illustration: Inclined shaft and mill at the Peters iron mine, Ringwood, New Jersey. Iron mining was important through much of New Jersey's history and was an important stimulus to geology and mapping. The Ringwood mines were among the largest in the state and were active from before 1740 through WW II. Photo by Meredith E. Johnson, State Geologist, September 1947

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# Bibliography and Index of New Jersey Geology
## 1753 - 1983

compiled by
The American Geological Institute
from the GeoRef database

edited by
David P. Harper, New Jersey Geological Survey
and
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# CONTENTS

page

Serials list . . . . . 1

Bibliography . . . . . 7

Subject index . . . . . 95

## INTRODUCTION

This volume is intended to fill a long-standing need by geologists and the environmental community for a comprehensive listing of publications on geology, environmental geology, ground water, geologic hazards, mineral resources and related topics for New Jersey. It includes over 4000 items located in a preliminary search of the GeoRef database plus approximately 1000 items identified by the N. J. Geological Survey, primarily from the following sources:

1. The Ground Water On-Line Database of the National Ground Water Information Center, Dublin, Ohio.
2. Publications lists of government and government-sponsored agencies including the N. J. Geological Survey, N. J. Division of Water Resources, N. J. Office of Mine Safety, N. J. State Museum, Rutgers University Bureau of Mineral Resources, Rutgers University Center for Coastal and Environmental Studies, U. S. Bureau of Mines, and U. S. Geological Survey.
3. Shelf lists of master's theses completed at the following geology departments: Columbia University, Lehigh University, Montclair State College, Princeton University, Rutgers University - New Brunswick, and Rutgers University - Newark.
4. Publications of local scientific organizations including the Delaware Valley Paleontological Society, Geological Association of N. J., N. J. Academy of Science, and N. J. Geological Society.

Some modifications were appropriate in going from GeoRef, a worldwide, scientifically-oriented database, to the New Jersey bibliography. The most significant were:

1. A number of broad geographic terms (such as North America, United States, and New Jersey) were eliminated and the associated 2nd and 3rd order terms raised to 1st and 2nd order.
2. Listings under group, formation, and member names were found to be less complete than those under "Stratigraphy" and were eliminated. In searching for references to a particular stratigraphic unit, however, it must be remembered that indexing was done, in most cases, at the time of publication and may reflect outdated interpretation of age.
3. A few first-order terms (crystal chemistry for example) were eliminated and the entries moved to index terms more useful in a geographically based bibliography.
4. Redundancy, which is necessary in an on-line database but distracting in a hard-copy bibliography, was reduced by elimination of 1st order terms.

The dates 1753 - 1983 refer to the dates of materials held in GeoRef rather than dates of materials concerning New Jersey. In fact, there are few entries on publications predating 1820 and none for those predating 1800. This does not reflect a lack of work. Rather, the older materials have not been carefully indexed by geographic coverage. To do this for New Jersey would have been a major task of benefit to very few of the users of this bibliography. Instead, coverage of older materials was checked against "Bibliography and Index of the Geology of New Jersey," (New Jersey Geological Survey Bulletin 59 by Agnes Grametbaur, 1946) and a number of older references added.

Acknowledgements

Numerous individuals from libraries, government agencies, and colleges throughout New Jersey and adjacent states contributed time and energy to this bibliography. Daniel Dombroski of the N. J. Geological Survey, David Stager and Patty Bridges of the Princeton University Geology Library, and Fred Schaeffer of the U. S. Geological Survey - WRD, Trenton deserve special mention.

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## SUBJECT INDEX


**Absolute age** *see also* Geochronology; Isotopes

**Absolute age—Dates**

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**Aeromagnetic surveys** *see* Magnetic surveys *under* Geophysical surveys; *see* Magnetic surveys *under* Geophysical surveys *under* Appalachians; Bergen County; Burlington County; Coastal Plain; Essex County; Hunterdon County; Mercer County; Middlesex County; Mineral exploration; Morris County; Ocean County; Passaic County; Somerset County; Sussex County; Union County; Warren County

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**Angiosperms** *see also* Palynomorphs

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**Dinoflagellates** *see under* Palynomorphs

**Dinosaurs** *see* Archosauria *under* Reptilia; *see under* Reptilia

**Dolostone** *see also under* Carbonate rocks *under* Sedimentary rocks

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**Ilmenite** *see under* Oxides *under* Minerals

**Impact statements** *see also under* Environmental geology; *see also under* Environmental geology *under* Atlantic County; Camden County; Cape May County; Middlesex County; Monmouth County; Ocean County; Union County

**Incertae sedis** *see* Problematic fossils

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**Insecta—Hymenopteroida**
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**Instruments** *see under* Engineering geology; Seismology; *see under* Methods *under* Seismology; *see under* Seismic surveys *under* Geophysical surveys

**Intrusions** *see also* Igneous rocks; Metamorphism

**Invertebrata** *see also* Archaeocyatha; Arthropoda; Brachiopoda; Bryozoa; Coelenterata; Echinodermata; Foraminifera; Ichnofossils; Insecta; Mollusca; Ostracoda; Porifera; Problematic fossils; Trilobita; Worms

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**Invertebrates** *see also* Graptolites; Radiolarians

**Iron** *see also* Economic geology; Ground water; Hydrology; Mining geology

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**Karst** *see under* Solution features *under* Geomorphology

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**Land use** *see also under* Engineering geology; Environmental geology; *see also under* Environmental geology *under* Bergen County; Essex County; Hudson County; Hunterdon County; Middlesex County; Morris County; Ocean County; Passaic County; Somerset County; Sussex County; Warren County

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**Limestone** *see also under* Carbonate rocks *under* Sedimentary rocks

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**Lineation** *see also* Foliation

**Loess** *see under* Clastic sediments *under* Sediments

**Magmas** *see also* Igneous rocks

**Magnetic surveys** *see under* Geophysical surveys; *see under* Geophysical surveys *under* Appalachians; Bergen County; Burlington County; Coastal Plain; Essex County; Hunterdon County; Mercer County; Middlesex County; Mineral exploration; Morris County; Ocean County; Passaic County; Somerset County; Sussex County; Union County; Warren County

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**Ring silicates** *see under* Minerals

**Ripple marks** *see under* Bedding plane irregularities *under* Sedimentary structures

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