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PAGE 1

I have not found and reference to M.D.I. Geology prior to C.T. Jackson 1859. I have reviewed his survey of Maine Geology (1838), but he did not visit M.D.I. at that time. I believe the following list and accompanying pamphlets and articles to represent all that is available on M.D.I. Geology. One exception is No.49,G. Chadwick's 3 volume manuscript available at the public library in Bar Harbor. While much of its 1800 pages is taken from pages within this collection, it is nevertheless a useful and valuable resource of information up through 1930

Vernon Gray 1976

- No.1 1859 Jackson, C.T.
"Crystals of green feldspar from the sea-wall, near Southwest Harbor, Mount Desert Island, Maine. Proceedings of the Boston Society of Natural History, V.7, 1859. p.160.
1p.
- No.2 1867 Agassiz, Louis.
"Glacial phenomena in Maine, part 2.
Atlantic Monthly, v. XIX, Jan. 1867 (pp.281-286)
8p.
- No.3 1869 Johnson, S.N.
"On geology of the coast of Maine"
Canadian Naturalist, 1869 (pp.323-324)
2p.
- No.4 1880 Crosby, W.O.
Geology of Frenchman's Bay, Maine.
Proceedings of the Boston Society Natural History, v. XXI, 1880 (pp.109-117)
10p.
- No.5 1881 Davis, W.M.
Remarks on the geology of M.D.I., Maine.
Boston Society Natural History Proceedings, v. XXI (pp.117-118)
2p.
- No.6 1889 Shaler, Nathaniel Southgate.
Geology of the Island of Mount Desert, Maine.
U.S. Geological Survey 8th Annual Report.
xx the definitive work-see book in this box. (ALSO-2 PHOTO-COPIES ARE ON SHELF)
- No.7 1892 Chapman, Henry C.
Note on the Geology of Mt. Desert Island, Maine.
Proceedings of the Academy of Natural Science, Philadelphia, Pa, 1892 (p.350)
1p.
- No.8 1894 Davis, William Morris.
An outline of the Geology of Mount Desert. Published in Flora of M.D.I. by Rand and Redfield (pp.43-71)
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- No.9 1899 Stone,G.H.
 Glacial gravels of Maine. U.S.Geology Survey
 Annual report 8,part 2(page 295)1899.
 1p.
- No.10 1906 Frazer,Professor.
 Rocks of Mount Desert Island,Maine. Geological
 Society of America bulletin 16,1906.(pp.583-585)
 3p.
- No.11 1914 Morse,Edward S.
 An avalanche of rocks. Science N.S. XL,1914(p.241)
 1p.
- No.12 1916 Blaney,Iwight and F.B. Loomis.
 Pleistocene locality on Mt. Desert Island,Maine.
 American Journal Science Ser.4,vXLII (pp.399-401)
 3p.
- No.13 1919 Bascom,F.
 Physiography(Geology) of Mount Desert. Geological
 Soc.Philadelphia Bulletin XVII(pp. 117-130)No.4,Oct.1919.
 c.1 c.3
 c.2(reprint) c.4
- No.14 1923 Dale,T.N.
 Commercial granites of New England. U.S.Geological
 survey bulletin 738(pp.222-223)
 2p. map.
- No.15 1923 State of Maine soil Associations. Soils of Maine(p.19)
 2p. map.
- No.16 1924 Wood,George McLane.
 Geology of Mount Desert. U.S.G.S. text on map of
 M.D.I. of Lafayette National Park,1924.
 6p.
- No.17 1925 Dorr,George B. and William Morris Davis.
 Coastal setting,rocks and woods of the Sieur De Monts
 National Monument. Booklet(pp.3-10)
 5p. illus.
- No.18 1925 Johnson,Douglas W.
 New England Acadian shoreline. John Wiley & Sons,c1925.
 (pp.92-311)
 26p. illus. map.

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PAGE 3-Geology

- No.19 1927 Moore,Barrington and Norman Taylor.
Vegetation of Mount Desert Island,Maine and its
 enviroment:chapter on Geology by William Morris
 Davis(pp.1-25). Brooklyn Botanic Garden Memoirs,
 v.III,c1927.
 14p. illus. map.
- No.20 1928 Antevs,Ernst.
Late quaternary changes of level in Maine. American
 Journal of Science,ser.5,v.XV(pp.319-325)
 3p.
- No.21 1929 Brown,Charles Wilson.
Geology of Mount Desert Island,Maine(abstract)
 Geological Society American bulletin 40(p.108)1929.
 1p.
- No.22 1929 Raisz,Erwin J.
Scenery of Mt.Desert Island:its origin and development.
 New York Academy of Science V.XXXI(pp.121-186)
 Booklet
- No.23 1932 Brown,Charles W. and Carl C. Branson.
High-level pleistocene marine clays of Mount Desert
 Island,Maine and their fauna. Geological Society
 American Bull.,v.43(pp.282-283)
 1p.
- No.24 1935 Smith,Norman L.
Geology of Mount Desert Island. National Park
 Service files,1935.
 7p.
- No.25 1939 Chadwick,George Halcott.
Geology of Mount Desert Island,Maine. American Journal
 of Science,v.237,No. 5(pp.355-363)
 5p. maps.
- No.26 1942 Reprint of Wood. See folder no. 16.
- No.27 1942 Chadwick,George Halcott.
Revision of rock series of Mount Desert Island and
 Laccoliths of Frenchman's Bay,Maine:and Metasomatic
 "Granite" in Maine. Geological Society American
 bulletin,v.53(pp.1796-1798)
 3p.

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Page 4-Geology

- No.28 1943 Jahns, Richard H.
Sheet structure in granites: its origin and use
as a measure of glacial erosion in New England.
(27 pages reduced to 1) American Geology Society
Journal Feb.-March 1943.
1p.
- No.29 1943 Chadwick, George Halcott.
Minerals of Mount Desert Island, Maine: Rocks of Mount
Desert Island, Maine. Rocks and Minerals mag. Sept.
1943(pp.268-269)
3p.
- No.30 1943 Chadwick, George Halcott.
Rocks of Mount Desert Island, Maine. Rocks and
Minerals mag. Oct. 1943(pp.300-301)
- No.31 1944 Chadwick, George Halcott.
Geology of Mount Desert Island (Acadia National Park)
New York Academy of Sciences transactions, v.6, No.6
(pp.171-178) 1944.
5p.
- No.32 1952 Wood, G.M. -See No.16.
Mount Desert Geology.
- No.33 1953 Chapman, Carleton A.
Cauldron substance at Mount Desert Island, Maine.
Geological Society American bulletin, v.64(pp.1406-1407)
2p.
- No.34 1955 Chapman, Carleton A.
Pillow breccia and its significance, Mount Desert
Island, Maine. Geological Society American bulletin,
v.66(p.1541) 1955.
1p.
- No.35 1956 Chapman, Carleton A.
Pseudo-ring dike, Mount Desert Island, Maine.
Illinois Academy of Science transactions, v.49
(pp.133-136) 1956.
3p. maps.
- No.36 1956 Knox, Arthur S.
Pollen from Leda Clay of Maine. Science, v.123
(pp.1118-1119) 1956.
2p.

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- No.37 1958 Chapman, Carleton A. and Robert L. Rioux.
Statistical study of topography, sheeting, and
jointing in granite, Acadia National Park, Maine.
American Journal of Science, v.256 (pp.111-127) 1958.
9p. illus. maps.
- No.38 1958 Chapman, Carleton A. and Paul S. Wingard.
Physical control and age of dike formation in
the Maine coastal region. Geological Society of
America bulletin, v.69 (pp.1193-1196) 1958.
- No.39 1962 Chapman, Carleton A.
Geology of Mount Desert Island, Maine. University
of Illinois, c1962.
52p. map. booklet.
- No.40 1962 Chapman, Carleton A.
Bays-of-Maine Igneous complex. Geological Society
of America bulletin, v.73 (pp.883-885) 1962.
4p. illus.
- No.41 1966 Smith, Daniel A.
Late glacial emerged shoreline features of Mount
Desert Island, Maine. Unpublished thesis submitted
to Acadia National Park, 1966.
57p. illus. maps.
- No.42 1969 Pratt, Richard M. and John Schlee.
Glaciation on the continental margin off New England.
(abstract) Geological Society of America bulletin, v.80
(pp.2335-2342) 1969.
- No.43 1970 Chapman, Carleton A.
Geology of Acadia National Park. Chatham Press (Viking)
c1970.
128p. illus. (on shelf)
- No.44 1972 Folger, David W. and others.
Sediments and waters of Somes Sound, a fjord-like
estuary in Maine. Limnology and oceanography, May 1972,
v.17 (pp.394-400)
9p. maps.
- No.45 1972 Baker, R.W.
Quaternary history and regional correlation.
Unpublished thesis, U. of Maine, Crono, 1972.
3p.

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1974

Borns, H.

Surficial geology of Mount Desert Island (Reconnaissance)

No. 47

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1919

Fairchild, Herman L.

Post-glacial uplift of Southern New England.

Geological Society of America, v. 30 (pp. 628-631) 1919

3p. [out of order]

No. 48

55b-4a

1923

Perkins, Edward H.

Geology of Mount Desert Island. Maine Naturalist

(pp. 163-166) 1923.

3p. [out of order]

Index to Geology of MDI
Compiled by Vernon C. Gray, 1976
Box 2

- #49 1939 Chadwich G.
Geology Mt. Desert Island
Available at Jesup Library in Bar Harbor
- #50 1880-82 Crosby, W. O.
Geology of Frenchman's Bay Just East of Mount Desert Island
American Journal of Science 3rd series v.23, p.64
Related to article in Bos. Soc. Nat. Hist. see ref #4
- #51 1936 Nichols, R. L.
Polygouboden on MDI
Science NS v.83, p.161
- #52 1972 Tilden, Paul M.
Unusual Cobblestone on an Acadian Beach
Rocks and Minerals v.47, p.154-156
- #53 1885 Redfield, John H.
On Striation of MDI
Science v.6, p.339-340 (October 16, 1885)
- #54 1972 Brookins, Douglas G.
Radiometric Ages from MDI
Geological Society of America Bulletin v.83, p.495-496
- #55 1958 Chapman, Carleton A.
Control of Jointing by Topography
Journal Geology v.66, p.552-558
- #56 1969 Chapman, Carleton A.
Oriented Inclusions in Granite
Amer. Jour. Sci. v.267, p.988-998
- #57 1938 Chadwick, George H.
Mount Desert (Maine) Batholith
Geological Society of America p.73
- #58 1921 Perkins, Edward H.
Ancient Shorelines and Earth Movements in Maine

Maine Naturalist Journal of the Knox Academy of Arts and Sciences v.1, n.2, p.90-96

- #59 1957 Chapman, Carleton A.
Stratigraphic Relations in Frenchman's Bay Region
Geological Society of America v.68, p.1707
- #60 1947 Chadwick, George H.
Moraine on Mount Desert Island
Geological Society of America v.56, p.1152
- #61 1929 Brown, Charles W.
Correlation of Cambrian Sediments at Nahat Massachusetts with
the Bar Harbor Series
Geological Society of America v.40, p.113, p.249
- #62 1972 W. Metzger and M. E. Bickford
Rb-Sr Chronology and Stratigraphic Relations of Silurian Rocks
MDI
GSA Bulletin v.83, p.497-504
- #63 1958 Bickford, Marion E.
A Textured and Mineralogical Study of Some Diorites from MDI
PhD Thesis University of Illinois
- #64 1962 Wehrenberg, J. P.
Diabase Sikes of MDI
PhD Thesis University of Illinois
- #65 1955 Webb, Marilyn Marshall
A Study of the Geology of MDI
BA Thesis Bates College
- #66 1955 Chapman, Carleton A.
Granite Replacement in Basic Dikes MDI
Illinois State Academy of Science Transactions v.47, p.117-125
- #67 Chapman, Carleton A.
A Comparison of Maine Coastal Plutons....
NOT INCLUDED
- #68 1971 Stindl, H.
Electron Microprobe Study of Diabade-Granite Contact Zones in
Composite Dikes MDI

PhD University of Illinois Urbana

- #69 1967 Chapman, Carleton A.
Paucity of Magic Ring-dikes Evidence for Floored Polymagmatic
Chambers
American Journal of Science v.26, p.66-77
- #70 1968 Chapman, Carleton A.
Intersecting Belts of Post Tectonic Alkaline Intrusions in New
England
Transactions Illinois Academy Science v.61, p.46-52
- #71 Perkins, E. H.
Geological Map of MDI
NOT INCLUDED
- #72 1935 Leavitt, H. Walter
A Survey of Road Materials and Glacial Geology of Maine
University Press UMO Bulletin v.2, n.30
- #73 Mayhew, G. H.
Origin and Geology of Mount Desert Island
NOT INCLUDED
- #74 1977 Butcher, Russell
Field Guide to Acadia
Readers Digest Press p.28-37
- #75 1968 Toogood, Granville
The Legacy of the Ice
Christian Science Monitor August 8, 1968