

1982

Bibliography of Maine Geology 1672 - 1972

Maine Department of Conservation

Maine Geological Survey

Arthur M. Hussey II
Bowdoin College

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Bibliography of Maine geology, 1672-1972



Maine Geological Survey
DEPARTMENT OF CONSERVATION
Augusta, Maine 04333

**BIBLIOGRAPHY
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MAINE GEOLOGY**

1672 - 1972

Compiled and Edited
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Bowdoin College

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Reprinted 1982
(First printing 1974)

Walter A. Anderson, State Geologist

Preface

This bibliography and index to Maine geology supercedes all bibliographies and supplements previously published by the Maine Geological Survey, the last supplement of which included articles through 1966. All major journals and government publications dating from January 1967 through December 1972 were searched for references relating to the geology of Maine (including the Gulf of Maine area). In addition, much use was made of the Bibliography and Index of North American Geology for the years 1967 through 1969 published by the U. S. Geological Survey, and due acknowledgement of this source of information is herewith made.

Entries from previously published bibliographies and supplements have been revised to uniform format and new references added through 1972. The Index to the Bibliography was then compiled from this complete listing. Time has not allowed the editor to examine all articles, and consequently the index entries reflect primarily subject matter stated or implied in the titles of the articles.

In order to make the work available as expeditiously as possible and because earlier bibliographies are now out of print, the Bibliography and Index of Maine Geology, 1672-1972, is being published in the informal format of typewritten manuscript. This Bibliography has not been subjected to the lengthy routine of review and revision for to do so would unduly delay its availability. It is hoped that the users of this Bibliography will serve as a "review board" and that they will communicate to the Maine Geological Survey any errors or omissions in either the Bibliography or the Index. Furthermore, suggestions as to reorganization of index entries to achieve greater clarity and completeness are solicited.

Five digit numbers appearing at the beginning of each entry in the Bibliography are used to facilitate the location of articles referenced in the Index, particularly where one author has written several articles. These five digit numbers do not necessarily reflect the alphabetical arrangement of articles in the Bibliography.

Arthur M. Hussey II
Bowdoin College
Compiler & Editor

June 1, 1974

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Kennebec River, Skowhegan to The Forks,
Sheets 1, 2, 3, and 4.

Kennebec River, The Forks to Moosehead Lake

Kennebec River, Profile, Tidewater to Moosehead
Lake.

Brassua Lake and plan of outlet.

Wood Pond and plan of outlet.

Attean Pond.

Long Pond; Holeb Pond; Moose River, Moosehead
Lake to Brassua Lake.

Flagstaff Lake; West Carry Pond; Spring Lake;
Spencer Ponds; Middle Roach Pond; Lower Roach Pond.

PENOBSCOT RIVER BASIN

Penobscot River, Bangor to North Twin Lake,
Sheets 1, 2, 3, 4, and 5.

West Branch Penobscot River, Chesuncook Lake to
Ambejejus Lake, Sheets 1, 2, and 3.

East Branch Penobscot River, First Grand Lake
to Medway, Sheets 1, 2, and 3.

Chamberlain, Telos, and Webster Lakes and Round
Pond.

Baskahegan, First and Second Grand and Allagash
Lakes

Mattawamkeag River, mouth to No. Bancroft,
Sheets 1, 2, and 3.

Schoodic, Seboois, Endless and Mattawamkeag Lakes
and Pleasant Pond.

West Branch Penobscot River, Chesuncook Lake to
Seeboomook, Sheets 1 and 2.

ANDROSCOGGIN RIVER BASIN

Androscoggin River, Brunswick to Umbagog Lake-
profile only-Sheets 1 and 2.

Androscoggin River, Brunswick to Umbagog Lake-
plan and profile-Sheets 3,4,5,6,7,8,9, and 10.

Umbagog, Lower and Upper Richardson Lakes,
Sheet No. 1

Mooselucmaguntic Lake, Sheet No. 2.

Mooselucmaguntic and Richardson Lakes,
Outlet plans, Sheet 3.

UNION RIVER BASIN

Abraham, Scammons and Molasses Ponds and Webbs
Pond Outlet, Sheet No. 1.

Alligator, Rocky and Spectacle Ponds. Sheet No. 2.

Great Pond, Green Lake Outlet and Branch Lake
Outlet, Sheet No. 3.

Union River, Ellsworth to Great Pond. Sheet No. 1.

Union River, Ellsworth to Great Pond. Sheet No. 2.

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- Castine: Shepard, C. U. 01594; Washington, H. S. 01851.
- General: Brackett, C. F. 00221; Huntington, O. W. 00857; Merrill, G. P. 01210; Palache, C. 01342; Shepard, C. U. 01593, 01596, 01598; Webster, J. W. 01859.
- Nobleboro, fall of August 7, 1823: Cleaveland, P. 02187, Haidinger, W. 00714; Washington, H. S. 01851; Webster, J. W. 02185.
- Northport: Robinson, F. C. 01503.
- Searsmont: Shepard, C. U. 01599; Smith, J. C. 01648; Washington, H. S. 01851.
- Waterville: Shepard, C. U. 01595; Wadsworth, M. E. 01832.

MINERALOGY AND MINERAL COLLECTING, GENERAL

- Bibliography on andalusite, sillimanite, dumortierite, and pyrophyllite: Grametbauer, A. B. 00673.
- Catalogues and handbooks on Maine minerals and localities: Bartlett, F. L. 00090, 00091; Blakemore, J. 00157; Burr, F. F. 02385; Dillingham, J. R. 00485; Doyle, R. G. 00509, 02379; Fisher, L. W. 00577; Giordano, V. 00647; Harvey, F. L. 00740; Hitchings, S. K. 00822; Hussey, A. M. II 00870; Kunz, G. F. 01020, 01024, 01025; Leadbeater, J. E. M. 01071; Maine State College 01137; Marble, C. F. 01161, 01162, 01165; Morrill, P. 01256, 01257, 01259, 02354; Perkins, E. H. 01401, 02138; Rand, J. R. 01468; Robinson, S. 01506; Schaller, W. T. 01539; Seaman, D. M. 01552; Shepard, C. U. 01592, 02153; True, N. T. 01780; Warren, C. H. 01850, 02170; Wintringham, N. A. 01942, 01943.
- Commercial minerals (see also: Mineral Commodities and Resources; Mines and Mining; Ore Deposits and Exploration): Doyle, R. G. 00510; Hussey, A. M. II 00870; Rand, J. R. 01468.
- Gemstones: Bickford, R. L. 00146; Blakemore, J. 00157; Doyle, R. G. 00510; Kunz, G. F. 01003, 01012, 01015, 01016, 01019, 01026, 01027, 01028, 01030, 01034, 01035, 01036, 01037; Leadbeater, J. E. M. 01071; Marble, C. F. 01161, 01165; Meyer, M. 01219; Schlegel, D. M. 02298; Wade, W. R. 01841; Wallace, J. H. 01839.
- Mineral identification: Burbank, B. B. 00265; Trefethen, J. M. 01751, 01774, 01776.
- Minerals and their identification, selected bibliography: Bowles, O. 00214.
- Mineralogical society activities, general: Leonard, E. H. 01082, Levesque, R. F. 01084; Mower, C. M. 01263; Sampster, E. L. 01529; True, W. E. 01787.
- Natural history of Maine minerals: Perkins, E. H. 01048.
- Type localities of Maine minerals: Richmond, W. E. 01493.

MINERAL LOCALITIES AND COLLECTING

This is not a comprehensive listing of all localities from which minerals have been obtained; included here are only those localities mentioned in the titles of articles included in the bibliography. For comprehensive listings of mineral localities see titles included under "Catalogues and handbooks on Maine minerals and localities" above.

- Albany: Berman, H. 00137.
- Aroostook County manganese ore minerals: Pavlides, L. 01354, 02128
- Auburn: Clarke, F. W. 00356, 02013; Hanley, J. B. 00729; Hidden, W. E. 00781, 02068; Hills, L. 00789; Kunz, G. F. 01006, 01008, 01011, 01014, 02099, 02100.
- Bangor: Feuchtwanger, F. 00572.
- Bennet Quarry: Gregory, G. E. 00685.
- Berrys Ledge: Lingner, R. E. 01096.

Black Mountain: Gregory, G. E. 00684; Verrow, N. J. 01823.
 Brunswick: Carmichael, H. 00288.
 Buckfield: Bayley, W. S. 00121.
 Callahan Mine, Cape Rosier: Gregory, G. E. 00686.
 Cape Rosier: Carpenter, A. B. 00289; Gregory, G. E. 00686.
 Casco: Compton, C. M. 00317.
 Cornish: Fisher, I. 00573.
 Deer Hill: Shaub, B. M. 01589.
 Diamond Island: Noyes, H. W. 01315.
 Gardiner: Forsythe, W. T. 00605.
 Gorham: Kunz, G. F. 01005, 01011, 02097, 02098.
 Greenwood: Cummings, J. S. 00390; Glass, J. J. 00648; Hamlin,
 E. L. 00728; Marble, C. F. 01163, 01164, 01166; Verrill,
 A. E. 01820, 01821.
 Haddam: Martin, D. S. 01183, 02111.
 Hancock County: Trefethen, J. M. 01755.
 Hartford: Marble, C. F. 01168; Palache, C. 01340.
 Harvard Mine: Perham, F. C. 01394, 01395.
 Havey property: Sterret, D. B. 01667.
 Hebron: Brush, G. J. 00258, 00259, 00260; Cooke, J. P. 02018,
 02397; Hess, F. L. 00776; Penfield, S. L. 01383, 02133;
 Wells, H. L. 01864, 01865, 02172, 02173; Yates, W. S.
 01968, 02184.
 Keith's quarry: Hanley, J. B. 00729.
 Lewiston: Fisher, L. W. 00581, 00586.
 Limerick: Fisher, I. 00573.
 Litchfield: Balch, D. M. 00071; Chute, A. P. 00332; Clarke,
 F. W. 00346, 00348, 00349, 00351, 02012; Haven, H. M. W.
 00754; Jackson, C. T. 00898; Kimball, J. P. 00992;
 Melville, W. H. 01193; Whitney, J. D. 01885, 02175.
 Little Deer Isle: Merrill, G. P. 01201.
 Minot: Wolf, J. E. 01952, 02183.
 Monhegan Island: Wheeler, E. P. II 01872, 01873.
 Moody Mountain: Jorgensen, N. 00940.
 Mount Apatite: Fisher, L. W. 00578; Ford, W. E. 00598;
 Huntington, O. W. 00858; Ingraham, M. J. 00883; Man-
 chester, J. G. 01157; Trott, C. P. 01777.
 Mount Desert Island: Chadwick, G. H. 00298; Jackson, C. T.
 00970.
 Mount Mica: Gregory, G. E. 00685; Hamlin, A. C. 00724; Hurlbut,
 C. S., Jr. 00859, 00860, 00861; Irish, H. M. 00884;
 Kunz, G. F. 01002, 01016, 01017, 01032; Leidy, J. 01079;
 McKinley, W. C. 01129; Manchester, J. G. 01157.
 Newry: Fraser, H. J. 00608; Gregory, G. E. 00683; Holman,
 G. E. 00829; Palache, C. 01343; Peacor, D. R. 01368;
 Starbird, C. H. 01662; Verrow, H. J. 01822.
 North Rumford: Cole, G. T. 00370.
 Norway: Clarke, F. W. 00343, 03008, 03009; MacKenzie, J. D.
 01125; Penfield, S. L. 01376, 01380, 02130; Verrill,
 A. E. 01820.
 Noyes Mountain area: Wolf, J. E. 01953.
 Nubble Mine: Perham, F. C. 01395.
 Old Speck quadrangle: Shaub, B. M. 01590.
 Oxford County: Hidden, W. E. 00780; Jorgensen, N. 00941; Kunz,
 G. F. 01008; Milton, D. J. 01233; Penfield, S. L. 01386,
 02136, 02137.
 Paris: Brush, C. J. 00258; Cloud, P. E. 00367; Dana, E. S.
 00402, 00407, 02023; Hamlin, E. L. 00728; Kunz, G. F. 01016;

Paris (continued): Verrill, E. E. 01820.
 Parsonfield: Bouve, T. T. 00210.
 Peru: Marble, C. F. 01169.
 Phippsburg: Bouve, T. T. 00210.
 Poland: Berman, H. 00138.
 Port Clude: Suzuki, Y. 01710.
 Pound-of-Tea Island: Zodac, P. 01982.
 Raymond: Hanley, J. B. 00730; Kunz, G. F. 01014, 01023.
 Robinson Mountain: Johnson, W. R. 00933; Purinton, D. R. 01460.
 Rumford: Bailey, E. M. 00057; Bouve, T. T. 00210; Cole, G. T. 00371; Foote, H. W. 00595, 02040; Gregory, G. E. 00684; Kunz, G. F. 01013, 01016; Marble, C. F. 01167; Hall, F. 00719.
 Sanford: Dana, J. D. 00412; Haven, H. M. W. 00754; Kunz, G. F. 01017; Rammelsberg, C. F. 01465, 02145; Webster, J. H. 01857.
 South Berwick: Jackson, C. T. 00909.
 Standish: Dana, E. S. 00408, 02024; Dolloff, N. H. 00492, 00493; Koeing, G. A. 01001; Kunz, G. F. 01021.
 Standpipe Hill, Topsham: Yedlin, L. N. 01971.
 Stoneham: Bradbury, C. M. 00223; Clarke, F. W. 00343, 00345, 00237, 02008, 02009, 02010; Dana, E. S. 00409, 00410, 00411, 02025, 02026, 02027; Diller, J. S. 00483; Genth, F. A. 00637, 00638, 00639, 02043; Hidden, W. E. 00782, 00783; Kunz, G. F. 01004, 01007, 01009, 01010, 01017, 01018, 01029, 02095, 02096, 02101, 02102, 02103, 02105; Mackintosh, J. B. 01130; Penfield, S. L. 01381, 02131; Wiesbach, A. 01890, 02176, 02177.
 Swift River: Dillingham, J. R. 00484; Miller, C. T. 01226; Norcross, G. A. 01309, 01310.
 Taminen Mine: Perham, F. C. 01395.
 Topsham: Burbank, B. B. 00264; Carmichael, H. 00288; Clarke, F. W. 00343, 02008, 02009; Palache, C. 01344, 01345, 01346, 02127; Robinson, F. C. 01501, 02147; Yates-vitch, G. M. 01969, 02185, 02186; Yedlin, L. N. 01971.
 Uncle Tom Mine, Greenwood: Marble, C. F. 01163, 01164.
 Waisanen Mine: Perham, F. C. 01395.
 Waldo: True, N. T. 01778.
 Waterford: Burr, F. F. 00264.
 Windham: Penfield, S. L. 01384, 02144.
 Winslow: Blake, W. P. 00156; Hillebrand, W. F. 00786; Hitchcock, C. H. 00812; Hunt, T. S. 00850; Jackson, C. T. 00914, 00916.

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Albite, deformation bands: Seifert, K. E. 01559.
 Allanite: Iddings, J. P. 02081, 02402.
 Topsham: Robinson, F. C. 01501.
 Topsham, Stoneham, and Norway, analysis: Clarke, F. W. 00343, 02008, 02009.
 Amblygonite: Palache, C. 01347; Penfield, S. L. 01375.
 Hebron and Paris: Brush, G. J. 00258.
 Crystal structure: Bauer, W. H. 00117.

Amethyst: Kunz, G. F. 01034.

Andalusite
 Gorham: Kunz, G. F. 01005.
 South Berwick: Jackson, C. T. 00909.

Anorthite
 Phippsburg: Clarke, F. W. 00357.
 Sanford: Webster, J. H. 01857.

Apatite: Gosse, R. C. 00668.
 Minot: Wolf, J. E. 01952.
 Mount Apatite: Ford, W. E. 00598.
 Paris: Dana, E. S. 00407, 02023.

Arsenic, native, Greenwood: Verrill, A. E. 01820.

Augite in peridotite, Little Deer Isle: Merrill, G. P. 01201.

Axinite: Yedlin, L. N. 01971
 Wales: True, N. T. 01778.

Barite, Old Speck quadrangle: Schaub, B. M. 01590.

Bertrandite, Stoneham: Penfield, S. L. 01381.

Beryl: Penfield, S. L. 01377, 01378; Faulkner, J. L. 00565;
 Kunz, G. F. 01031, 01034.
 Albany, huge crystals: Berman, H. 00138.
 Auburn: Kunz, G. F. 01014.
 Moody Mountain, Oxford County: Jorgensen, N. 00940.
 Mount Mica: Hurlbut, C. S., Jr. 00859, 00860, 00861.
 Norway: Penfield, S. L. 01380:
 Stoneham: Kunz, G. F. 01007, 01017, 01018.
 Winslow, white: Hillebrand, W. F. 00786.

Beryllium: Burr, F. F. 00263; Faulkner, J. R. 00565.

Beryllonite: Gosse, R. C. 00668
 Newry: Palache, C. 01343.
 Stoneham: Dana, E. S. 00409, 00410, 00411, 02025, 02026,
 02027.

Biotite, iron, Auburn: Clarke, F. W. 00351, 02012.

Caesium, ores of: Burbank, B. B. 00262.

Calcite, fibrous, in vein, Lewiston: Fisher, L. W. 00586.

Calcium phosphate between triplite and sarcopside: Holden,
 E. F. 00826.

Cancrinite, Lithcfield: Jackson, C. T. 00898, Whitney, J. D.
 01885; Chute, A. P. 00332.

Childrenite, Hebron: Brush, G. J. 00259; Cooke, J. P. 02018,
 02397.

Chlorite, crystal structure: Lister, J. S. 01097.

Chrysoberyl: Perry, N. H. 01427; Kunz, G. F. 01034.
 Hartford: Marble, C. F. 01168; Palache, C. 01341.
 Norway: Verrill, A. E. 01820.

Cimolite, Topsham, Stoneham, Norway: Clarke, F. W. 00343,
 02008, 02009.

Clays and clay minerals: Allen, V. T. 00020.

Cleavelandite: Webster, J. H. 01858.

Columbite: True, N. T. 01786.
 Rumford, manganocolumbite: Foote, H. W. 00595, 02040.
 Standish: Dana, E. S. 00408, 02024; Koering, G. A. 01001;
 Kunz, G. F. 01021.

Cookeite, Hebron: Brush, G. J. 00260; Penfield, S. L. 01383,
 02133.

Corundum

Greenwood: Verrill, A. E. 01821.
in the United States: Pratt, J. H. 02304.

Damourite

Stoneham: Clarke, F. W. 00344.
From topaz: Diller, J. S. 00483.
Stoneham, Topsham, Norway, analysis: Clarke, F. W. 00343,
02008, 02009.

Dickensonite, unit cell: Wiesbach, A. 01890, 02176, 02177.

Eosphorite, crystal structure: Hanson, A. W. 00733.

Epidote, Phippsburg: Clarke, F. W. 00357.

Feldspar

and associated pegmatites, paragenetic study, Keith's
Quarry, Auburn: Hanley, J. B. 00729.

Distribution: Perham, S. L. 01397.

Crystals, Norway: McKenzie, J. D. 01125.

Litchfield, composition: Melville, W. H. 01193.

Port Clyde granite: Suzuki, Y. 01710.

Unusual zoning: Trefethen, J. M. 01742.

Garnet: Kunz, G. F. 01034.

Buckfield, striated: Bayley, W. S. 00121.

Raymond: Kunz, G. F. 01014, 01023.

Almandine/grossularite: 1/1: Warner, J. L. 01848.

Gedrite, Oxford County: Milton, D. J. 01233.

Gold: Burr, F. F. 00263; Jorgensen, N. 00944; Wadsworth, M. E.
01833, Wentworth, R. H. 01868.

Swift River: Dillingham, J. R. 00484; Miller, C. T. 01226;
Norcross, G. A. 01309, 01310.

Graftonite, Greenwood: Glass, J. J. 00648.

Graphite: Smith, G. O. 01641, 01642.

In pegmatites: Fisher, L. W. 00579.

Grossularite, Phippsburg, Parsonfield, and Rumford: Bouve,
T. T. 00210.

Halite: Zodac, P. 01981.

Hamlinite

Oxford County: Penfield, S. L. 01388, 02136, 02137.

Stoneham: Hidden, W. E. 00784.

Herderite: Dana, E. S. 00405, 00406, 02022; Ford, W. E. 00597,
02041; Penfield, S. L. 01386, 02134, 02135, 02137.

Hebron: Wells, H. L. 01865.

Oxford County: Hidden, W. E. 00780.

Stoneham: Hidden, W. E. 00782; Kunz, G. F. 02103, 02105;

Mackintosh, J. B. 01130; Wiesbach, A. 01890,
02176, 02177.

Composition: Genth, F. A. 00637, 00639, 02043.

Topsham: Burbank, B. B. 00264; Yatsevitch, G. M. 01969,
02185, 02186.

Idocrase (see also Vesuvianite)

Parsonfield, Phippsburg, and Rumford: Bouve, T. T. 00210.

Sanford: Dana, J. D. 00412; Webster, J. H. 01857.

Analysis of: Rammelsberg, C. F. 01465, 02145.

Landsite: Moore, P. B. 01253.

Lepidomelane, Litchfield: Clarke, F. W. 00351, 02012.

Lepidolite: Clarke, F. W. 00350, 02011.

Analysis: Riggs, R. B. 01497.

Auburn and Oxford County: Kunz, G. F. 01008.

Paris, Dana, E. S. 00402.

Litchfieldite, minerals of and collecting at: Haven, H. M. W.
00755.

Mica

Curved, Mount Apatite: Huntington, O. W. 00858.

Localities: Burbank, B. B. 00263.

Rumford: Hall, F. 00719.

Waterford: Burr, F. F. 00264.

Micas

Optical properties: Lewis, H. C. 01085.

Optical examination: Silliman, B. 01606.

Microcline: Smith, E. S. C. 01624.

Mount Desert Island: Jackson, C. T. 00907.

Microlite

Rumford: Foote, H. W. 00595, 02040.

Topsham: Palache, C. 01345, 01346, 02127.

Molybdenite: Merrill, P. C. 01215.

Hancock County: Trefethen, J. M. 01771

Sanford: Webster, J. H. 01857.

Muscovite

Auburn: Clarke, F. W. 00356, 02013.

Crystal cavity filling, Mount Mica: McKinley, W. C. 01129.

Nepheline, Litchfield: Chute, A. P. 00332; Clarke, F. W.

00346, 00348, 00349; Jackson, C. T. 00898; Kimbal,

J. P. 00992.

Olivin, Monhegan Island: Wheeler, E. P. II 01872, 01873.

Petalite

Analysis: Clarke, F. W. 00355.

Peru: Marble, C. F. 01169.

Phenacite

Hebron: Yates, W. S. 01968, 02184.

Stoneham: Kunz, G. F. 01029.

Pollucite: Richmond, W. E. 01494.

Crystal structure, optical properties: Newnham, R. E. 01304.

Dehydration and X-ray study: Fleischer, M. 00588.

Hebron: Wells, H. L. 01864, 02172, 02173; Hess, F. L. 00776.

Importance of: Fairbanks, E. E. 00556.

Rumford: Foote, H. W. 00595, 02040.

Pyroxene, Phippsburf, Parsonfield, Rumford: Bouve, T. T. 00210.

Pyrrhotite, Iron Hill, Gardiner: Forsythe, W. T. 00605.

Quartz: Kunz, G. F. 01031; Perham, S. L. 01396.

Diamond Island, Casco Bay: Noyes, H. W. 01315.

Old Speck quadrangle: Shaub, B. M. 01590.

Pocket, Deer Hill: Shaub, B. M. 01589.

Pseudocubic: Perham, F. C. 01394.

Pseudomorph after spodumene: Penfield, S. L. 01379,
02129.

Rose: Kunz, G. F. 02014.

Veins: Smith, G. O. 01633.

Scheelite: Trefethen, J. M. 01771.

Berrys Ledge, Cornish: Lingner, R. E. 01096.

Schorlite: Kunz, G. F. 02104.

Sillimanite, in contact metamorphic aureoles: Moore, J. M., Jr.
01252.

Sodalite, Litchfield: Balch, D. M. 00071; Kimball, J. P.

00992; Whitney, J. D. 01885, 02175.

Spodumene

- Minor constituents: Gabriel, A. 00627.
Quartz pseudomorph after: Penfield, S. L. 01379, 02129.
Staurolite, Windham: Penfield, S. L. 01384, 02144.
Stibiotantalite, Topsham: Palache, C. 01346.
Tantalite, Standish: Kunz, G. F. 01022.
Tin mineralization: Hess, F. L. 00773.
Paris: Verrill, A. E. 01820
Winslow: Blake, W. P. 00156; Hitchcock, C. H. 00812;
Hunt, T. S. 00850; Jackson, C. T. 00914, 00916.
Topaz: Kunz, G. F. 01022; Nevel, W. D. 01301.
Stoneham: Clarke, F. W. 00345, 00347, 02010; Genth, F. A. 00638.
Analysis: Bradbury, C. M. 00223.
Changing to damourite: Diller, J. S. 00483.
Topsham: Burbank, B. B. 00264; Palache, C. 01344.
Tourmaline: Hamlin, A. C. 00724; Gallup, R. W. 02382;
Kunz, G. F. 01031, 01034; Moulton, W. B. 01262; Penfield, S. L. 01382, 01387, 02132; Perkins, E. H. 01420.
Analysis: Clarke, F. W. 00354; Rammelsberg, C. F. 01466;
Riggs, R. B. 01498, 02147.
Auburn: Hidden, W. E. 00781, 02068; Kunz, G. F. 01006, 02099, 02100, 01008.
Bangor area: Feuchtwanger, F. 00572.
Dichroism: Cross, L. S. 00387.
Havey property: Sterrett, D. B. 01667.
Mount Mica: Kunz, G. F. 01002, 01017, 01032.
Pockets: Perham, S. L. 01398.
Rumford: Kunz, G. F. 01011.
Triphyllite, Norway: Penfield, S. L. 01378.
Vesuvianite (see also Idocrase): Fisher, L. W. 00581.
Raymond: Hanley, J. B. 00730.
Robinson Mountain: Johnson, W. R. 00933; Purinton, D. R. 01460.
Sanford: Haven, H. M. W. 00754; Kunz, G. F. 01017.
- ## Zircon
- Greenwood: Verrill, A. E. 01821.
Greenwood, in pegmatite and country rock: Cummings, J. S. 00390.
Litchfield: Jackson, C. T. 00898.

MISCELLANEOUS

- Aboriginal use of minerals: True, N. T. 01781.
Acadian geology: Dawson, J. W. 00442.
Allagash area, observations: Hodge, J. T. 00825.
Altitudes of mountains, lakes, and valleys: Gannett, H. 00629.
Androscoggin County, brief notes on geology and mineralogy: Merrill, G. P. 01212.
Anthracite coal, Vinalhaven: Jackson, C. T. 00892.
Appalachian mountains contrasts: Chickering, J. W., Jr. 00328.

Aroostook County, brief notes on geologic features: Elwell, E. H. 00532; Holmes, E. 00837.

Aroostook River area, exploration and survey: Holmes, E. 00831.

Belgrade Lakes region, geological history: Bunker, H. 00261.

Bethel, brief notes on geology and topography: Lapham, W. B. 01053.

Blazing beach, Kittery Point: Penhollow, D. P. 01391, 01392.

Boone Island, brief note on geology: Longfellow, A. W. 01103.

Boundaries, state of Maine: Gannett, H. 00629.

Bremen, brief note on geology: Johnston, J. 00934.

Bristol, brief note on geology: Johnston, J. 00934.

Brunswick, geological features and mineralogy: Carmichael, H. 00288.

Building stone collection, U. S. National Museum: Merrill, G. P. 01197.

Cape Elizabeth: brief note on geology: Longfellow, A. W. 01103.

Catalogue
 Maine geological collection: Bayley, W. S. 00118.
 Specimens in the state cabinet of Maine: Jackson, C. T. 00892.

Chesterville, brief note on geology: Sewall, G. 01561.

Coal at Perry, probability of: Hill, 00785.

Eastern Maine harbors, physical resources: Doyle, R. G. 00447.

Exploration and surveys, parts of Maine and Canada: Bailey, L. W. 00062, 00064, 00065, 00066, 00067, 01994, 01995.

Fossiliferous boulder, Saco River: Jackson, C. T. 00912; Rogers, W. B. 01519.

Fulgurite, Waterville: Bayley, W. S. 00120; Hobbs, W. H. 00823.

Geographic subdivisions of Maine: Trefethen, J. M. 01744.

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 00585.
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 Perkins, E. H. 01422.
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 01052.
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 S. L. 00169.
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 00288.
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 J. W. 01048.
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- Annelids, fossil, Waterville Slate: Hubbard, O. P. 00845.
- Birds, Tertiary and post Tertiary: Marsh, O. C. 01178.
- Brachiopod assemblage, Middle Ordovician: Neuman, R. B. 01298.
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 - of early Ordovician volcanic islands: Neuman, R. B. 01299.
 - Ordovician, in Maine: Neuman, R. B. 01300.
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 - Silurian: Boucot, A. J. 00200.
- Brownville fossils: Smith, E. S. C. 01621.
- Cambrian, paleontologic evidence for, in Maine: Walcott, C. D. 01837.
- Caradocian fossiliferous rock, Ashland: Neuman, R. B. 01292.
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- Cattaractes affinis from Bangor: Marsh, O. C. 01179.
- Conodonts, Ordovician, Penobscot County: Sweet, W. C. 01716.

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- Devonian: Oliver, W. A., Jr. 01324.
- Flagstaff: Hitchcock, C. H. 00798.
- New names: Stumm, E. C. 01704.
- Silurian: Stumm, E. C. 01703.
- Crinoid, Devonian (Oriskany), new species: Goldring, W. 00652.

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- Arenaceous Lower Devonian of Aroostook County:
 - Clarke, J. M. 00358, 02014.
- Chapman Sandstone: Clarke, J. M. 00362; Raymond, P. E. 01484; Williams, H. S. 01906, 01914, 02179.
- Edmunds Formation, Eastport area: Williams, H. S. 01912.
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 - Boucot, A. J. 00202.
- Lower Silurian, northern Maine: Dodge, W. W. 00487.
- Maine: Emmons, E. 00537, 00539.
- In Ordovician tuff: Neuman, R. B. 01293.

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Ordovician shelly, Magog belt: Neuman, R. B. 01297.
Potsdam Group: Hitchcock, C. H. 00793.
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02178.

Taconic system: Hall, J. 00720.

Square Lake, new species: Billings, E. 00150.

Gastropods

Paleozoic, Moose River synclinorium: Boucot, A. J.
00198.

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Graptolites

Central Maine: Perkins, E. H. 01402.

Early Silurian, Norther Maine: Dodge, W. W. 00488.

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Aroostook County: Reudemann, R. 01527.

Presque Isle quadrangle, Early Ludlow: Berry,
W. B. N. 00142.

Lawler Ridge, Silurian fossil locality: Roy, D. C. 01524.

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Cetacean bones: Jackson, C. T. 00900.

Fauna in, Mount Desert Island: Brown, C. W. 00257,
02005.

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Yarmouth: Wentworth, R. H. 01869; Whitcomb, C. 01876.

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00818.

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Walrus

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Marl deposit, Aroostook County, shells in: Nylander, O. O.
01317, 01322.

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01910.

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00590.

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Oldhamia: Smith, E. S. C. 01626.

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Ostreidae: White, C. A. 02349.

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H. S. 01908.

Rhizophyllum, rugose coral: Oliver, W. A., Jr. 01325.

Shell distribution by currents, brachiopods and pelecypods:
Boucot, A. J. 00190.

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- Spiriferid, Silurian: Williams, H. S. 01915.
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- Devonian: Dawson, J. W. 00437, 00439, 00440, 02029,
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Traveler Mountain area: Dorf, E. 00498.
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01547.
Fucoides, Dennysville: Lincoln, T. 01091.
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02350.
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00636.
Leaf variations, bearing on paleontology: Penhollow,
D. P. 01390.
Mapleton Sandstone flora: Schopf, J. M. 01546.
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Dawson, J. W. 00436, 00438, 00443, 02031; Petit,
J. M. 01429.
Pertica quadrifaria, new Devonian plant, northern Maine:
Kasper, A. E. 00964, 00965.
Pollen studies near-surface sediments, Maine Lakes: Davis
R. B. 00428.
Pre-Carboniferous flora: Dawson, J. W. 00435, 02028.
Psilophyton forbesii, new Devonian plant, northern Maine:
Andrews, H. N. 00038.
Silurian, upper, flora: Dawson, J. W. 00446.
Spores, early Devonian: Andrews, H. N. 00040.
Trout Valley Formation, flora of: Andres, H. N. 00039.

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General

- Columbia Falls quadrangle: Doggett, R. A. 00490; Terzaghi,
R. D. 01727.
Concentric laminations in rocks: Hunt, T. S. 00849.
Farmington area: Boone, G. M. 00172.
Metamorphic and igneous events reflected in gravity field:
Kane, M. F. 00950.
Millbridge-Whitneyville area: Gilman, R. A. 00642, 00643.
North Conway quadrangle: Billings, M. P. 00151.
North Haven Island area: Dow, G. M. 00499, 00500.

Igneous

- Allanite, widespread occurrence as an accessory constituent of igneous rocks: Iddings, J. P. 00882, 02081.
- Andesites, Aroostook County: Gregory, H. E. 00687, 02046.
- Ash flows, paleogeographic implications: Rankin, D. W. 01475.
- Basic igneous complexes, southwestern Maine: Hussey, A. M. II 00872, 00873, 00877.
- Bays-of-Maine igneous complex: Chapman, C. A. 00317.
- Cape Neddick gabbro complex
Petrology: Hussey, A. M. II 00872, 00873, 00877; Murphy, J. F. 00311; Wandke, A. 01844.
Web-joint pattern: Gaudette, H. 00635.
- Cauldron subsidence, Mount Desert Island: Chapman, C. A. 00308.
- Deboullie stock
Experimental studies: Robertson, J. K. 01507.
Syenite, origin: Boone, G. M. 00173.
- Diabase
Addison: Merrill, G. P. 01207.
Contacts with granite in composite dikes: Stindl, H. 01676, 01676.
Olivine, St. George: Dickerman, Q. E. 00481.
- Dike
Contaminated complex, Cape Neddick: Haff, J. C. 00711.
Formation, Maine coastal area, physical control and age: Chapman, C. A. 00315.
Alkaline vitrophyre, Cape Neddick: Haff, J. C. 00713, 02063, 02064.
- Dikes
Basaltic, Lewiston-Auburn area: Merrill G. P. 01206; Purington, R. D., Jr. 01461.
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Johns Bay vicinity: Bascom, F. 00101.
Kennebunkport: Kemp, J. F. 00988, 02093.
Multiple, Cape Neddick: Haff, J. C. 00710.
Ogunquit: Keeley, F. J. 00974, 00975.
Portland vicinity: Lord, E. C. E. 01105.
- Diorite
Mount Desert Island, textural and mineralogical study: Bickford, M. E. 00144, 00145.
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- Felsite, Traveler, north-central Maine: Rankin, D. W. 01476, 01479.
- Gabbro and gabbroic complexes:
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Petrology: Hussey, A. M. II 00872, 00873, 00877; Murphy, J. F. 00311; Wandke, A. 01844.
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Monhegan Island: Lord, E. C. E. 01106.
Moxie pluton: Espenshade, G. H. 00547, 00548; Visher, G. S. 01825, 01826.
Pleasant Bay, layered: Bickford, M. E. 00144, 00145.
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Petrology: Westerman, D. S. 02207, 02208.
Inverse cryptic layering and phase layering: Westerman D. S. 01870.

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Sugarloaf gabbro, Stratton quadrangle: Andrews, A. P.
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Calc-alkaline: Chayes, F. 00324.

Perthitic microcline associated with undulant or
granular quartz in: Chayes, F. 00324

Franklin, radioactivity: Evans, R. D. 00551.

General: Smith, G. O. 01643, 01647.

Hallowell: Barker, D. S. 00080, 00081; Trefethen, H. T.
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Modes of emplacement, granitic plutons, from gravity
studies: Sweeney, J. F., Jr. 00209, 00210.

North Jay: Allen, H. W. 00013; Wadsworth, M. E. 01831.

Peralkaline, Cashes Ledge, Gulf of Maine: Toulmin, P. III
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Port Clyde: Suzuki, Y. 01709, 01710.

Trend surface analysis: Suzuki, Y. 01712.

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Deer Isle area: Stewart, D. B. 01672.

Great Wass pluton: Ward, J. G. 02202.

Head Harbor Island: Terzaghi, R. D. 01726.

Mantled feldspars and xenoliths in Maine granites:
Elders, W. A. 00526.

Replacement, in basic dikes, Mount Desert Island: Chap-
man, C. A. 00309.

Tunk Lake pluton: Karner, F. R. 00956, 02209.

Compositional variation: Karner, F. R. 00957, 00959.

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Mantled feldspars in: Karner, F. R. 00961.

Sphene, two generations: Karner, F. R. 00962.

Zircon variation: Helgesen, J. O. 00764; Karner,
F. R. 00963.

Two-mica and hornblende granites: Suzuki, Y. 01078,
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Eastern Maine: Wing, L. A. 01932.

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Mineral composition: Liese, H. C. 01090.

Granitic rocks, notes: Hunt, T. S. 00847, 02074, 02075,
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Granodiorite, chemical and modal analyses, Attean quad-
rangle: Albee, A. L. 00007.

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Isle-au-Haut, chess-board albite from: Soeria-Atmadja,
A. 01654, 01654.

Katahdin area: Griscom, A. 00690.

Inclusions in Agamenticus complex, silicate diffusion with-
in during crystallization: Woodard, H. H. 01959.

Oriented, in granite: Chapman, C. A. 00320.

Intrusive rocks Portsmouth basin: Wandke, A. 01843.

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- Laccoliths, Frenchman's Bay: Chadwick, G. H. 00297.
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Zoned alkali feldspars in: Elders, W. A. 00527.
Litchfieldite: Barker, D. S. 00079, 00082; Bayley, W. S.
00119, 01999; Dayly, R. A. 00401.
Maine coastal plutons, compared with magmatic central
complexes, New Hampshire: Chapman, C. A. 00319.
Major intrusives and structures, New England: Keith, A.
00985.
Metasomatic granite in Maine: Chadwick, G. H. 00295.
Monhegan Island, petrography and geology of gabbro of:
Lord, E. C. E. 01106.
Mount David pluton, Lewiston: Jones, F., Jr. 00936.
Mount Desert batholith: Chadwick, G. H. 00293.
Mount Waldo batholith: Trefethen, J. M. 01748, 02166.
Moxie pluton: Visher, G. S. 01825, 01826.
Moosehead Lake-Joe Mary Mountain portion: Espenshade,
G. H. 00548.
Northern part, petrology and structure: Espenshade,
G. H. 00547.
North Sullivan pluton: Allen, D. B. 00009.
Oliverian domes: Naylor, R. S. 01269.
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Lord Hill, Stoneham, paragenesis: Woodard, H. H.
01956, 01958.
Natural history of: Hess, F. L. 00774.
Newry, origin: Shaub, B. M. 01586.
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Paragenesis of, central Maine: Landes, K. K. 01045,
01046.
Radioactivity of: Ordway, R. J. 01327.
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Peridotite, Little Deer Isle: Merrill, G. P. 01201, 01202,
02115, 02116.
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Pluton genesis and geomorphology, northwest central Maine:
Furlong, I. E. 00626.
Plutonic complex, south central Maine: Goodspeed, R. M. 00666.
Plutonic rocks
Calais and Robinston quadrangles, Washington County:
Amos, D. H. 00025.
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Saco pluton: Hatheway, R. B. 00749.

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- In Deboullie stock, origin of: Boone, G. M. 00173.
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01741, 01743.
Litchfield: Barker, D. S. 00079, 00082; Bayley, W. S.
00119, 01999; Daly, R. A. 00401.
Pleasant Mountain: Jenks, W. F. 00923, 00925; Sanders,
01531, 01532.
Heavy minerals in: Jenks, W. F. 00924; Marsden, R. W.
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Tunk Lake granite pluton: Helgesen, J. O. 00764; Karner,
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Volcanics, spherulitic, North Haven: Bayley, W. S. 00123.
Vulcanism related to tectonism, Piscataquis volcanic
belt: Rankin, D. W. 01480.
Westbrook pluton, genesis: Pendexter, C. A. 01374.

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- Amphibolite and associated rocks, Buttermilk Point, Harps-
well and Brunswick: Groselle, F. X. 00697.
Asbestos and serpentine, northwestern Maine: Ellingwood,
S. G. 00528; Wing, L. A. 01928, 01931.
Bethel area, metamorphism: Fisher, I. 00575.
Boothbay Harbor area: Kirk, A. 00994, 00995.
Buchan-type metamorphism, south-central Maine: Osberg,
P. H. 01330, 01331.
Casco Bay, southwestern part, metamorphism and stratigraphy:
Bodine, M. W., Jr. 00170.
Cataclastic rocks, southwestern Maine: Hatheway, R. B.
00752.
Compression as an agent of metamorphism: Vose, G. L. 01829.
Contact alteration, Cape Neddick gabbro: Woodard, H. H.
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Contact metamorphism
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Ellsworth Schist near Blue Hill: Gillson, J. L. 00641,
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Katahdin granite: Philbrick, S. S. 01432, 02143
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Cordierite-anthophyllite mineralization, Blue Hill: Lindgren,
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pluton: Harwood, D. S. 00746, 00747.
Discontinuous reactions, staurolite to upper sillimanite
zone, northwestern Maine: Guidotti, C. V. 00707.
Dolomite marble, Warren, petrofabric and insoluble residue
residue study: Coney, P. J. 00375.
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Contact metamorphism near Blue Hill: Gillson, J. L. 00641;
Williams, R. M. 01917.
Metamorphic facies, Blue Hill: Forsyth, W. T. 00599.
Mineralogical variations, Blue Hill: Forsyth, W. T. 00600.

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- Granitization, significance as a regional metamorphic process:
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- Greenstones: Wing, L. A. 01929.
- Kyanite-sillimanite equilibrium relations: Clark, S. P.,
Jr. 00341.
- Lewiston region: Fisher, L. W. 00583.
- Lime-silicate gneiss, Cornish-Limerick: Fisher, I. 00573.
- Magnetite, pyrrhotite, pyrite in relation to regional and
contact metamorphism, Phillips-Rangeley area:
Moench, R. H. 01243.
- Manganese deposits, structurally localized metamorphism:
Pavlidis, L. 01355.
- Manganese ores, Aroostook County, petrology: Pavlidis, L.
01354.
- Metadiorite, northwestern Maine: Willard, R. J. 01897.
- Metamorphic history, lower Devonian, Carrabassett Valley
north of Kingfield: Boone, G. M. 02055.
- Muscovite, basal spacing variations in pelitic schists,
northwestern Maine: Guidotti, C. V. 00703.
- Na/Na+K in muscovite, determined by X-ray diffraction,
significance in study of pelitic schists, northwest
Maine: Guidotti, C. V. 00206.
- Onawa pluton, contact metamorphism by: Moore, J. C., Jr.
01249, 01250, 01251; Philbrick, S. S. 01430.
- Paragenesis, black phyllites, Waterville-Augusta area:
Williamson, T. C. 01918.
- Pelitic schist metamorphism, Bryant Pond quadrangle:
Guidotti, C. V. 00699.
- Significance of variable S_2 : Guidotti, C. V. 00705.
- Petrofabric and insoluble residue study, dolomite marble,
Warren: Coney, P. J. 00375.
- Polymetamorphism, northwestern Maine: Guidotti, C. V. 02049.
- Prehnite-pumpellyite facies metamorphism, northern Maine:
Coombs, D. S. 00377.
- Pre-Silurian metamorphism, west-central Maine: Childs,
J. F. 00330.
- Prograde muscovite pseudomorphs after staurolite:
Guidotti, C. V. 00702, 00704.
- Pyrite in relations to regional and contact metamorphism
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- Pyrite-pyrrhotite isograd, Waterville: Williamson, T. C.
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- Pyroxene alteration to hornblende: Williams, G. H. 01906.
- Pyrrhotite in relation to regional and contact metamor-
phism in the Phillips-Rangeley area: Moench, R. H.
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- Regional metamorphism, Paleozoic: Thompson, J. B., Jr.
01730.
- Scheelite, Berrys Ledge, Cornish: Lingner, R. E. 01096.
- Serpentine, northwestern Maine: Ellingwood, S. G. 00528;
Wing, L. A. 01928, 01931.
- Sillimanite-potash feldspar isograd in western Maine:
Evans, B. W. 00549.
- Tacoma Lakes area, metamorphism, structure, stratigraph y:
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- Transition lower to upper Sillimanite zone in the Oquos-
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Lower Kennebec River basin: Prescott, G. C., Jr. 01454.
Groundwater reconnaissance, Kittery-Eliot-South Berwick area: Roberts, C. M. 01449.
Groundwater resources, Lewiston quadrangle: Reese, D., Jr. 01487.
Groundwater, southwestern Maine: Prescott, G. C., Jr. 01449.
Hurricane, floods, 1939: Paulsen, C. G. 02329.
Hydrology division (U. S. Geological Survey) Eastern region organization and work: Fuller, M. L. 00622, 00623.
Industrial utility of public waters: Collins, W. D. 02325.
Kennebec River basin, water resources and quality: Barrows, H. K. 00088; Smith, G. O. 01646, 02156.
Lakes of the United States, principal: Bue, C. D. 02358.

Lake water, trace element study: Kleinkopf, M. D. 00998,
00999.

Methane in water well: Fisher, L. W. 00587.

Mineral springs, Composition: Clapp, F. G. 00340.

Mineral waters of Maine: Goodale, G. L. 00661; Peale, A. C.
01370, 01371; Skinner, W. N. 01609, 01610.

Penobscot River basin: Barrows, H. K. 00089; Bastin, E. S.
00113.

Poland Spring: Ricker, Hiram and Sons 01495.

Potable water, eastern United States: McGee, W. J. 02352.

Precipitation and runoff, average annual, New England-
New York area: Knox, C. E. 02346.

Radioactivity in groundwater: Grime, W. N. 00698; Smith, B. M.
01612.

Records of selected wells, springs, and test borings

- Lower Androscoggin River basin: Prescott, G. C., Jr. 02365.
- Lower Aroostook River basin: Prescott, G. C., Jr. 02367.
- Lower Kennebec River basin: Prescott, G. C., Jr. 02366.
- Lower Penobscot River basin: Prescott, G. C., Jr. 02364.
- Lower St. John River basin: Prescott, G. C., Jr. 02368.
- Parts of Meduxnekeag River and Prestile stream drainage
basins: Prescott, G. C., Jr. 02369.
- Southwestern Maine: Prescott, G. C. 02370.

Reservoirs of the United States: Thomas, N. O. 02333; Martin,
R. O. R. 02342.

River Surveys: Jones, B. E. 02323, 02331.

Roughness characteristics of natural channels: Barnes, H.H.
02343.

Saline water resources, preliminary survey: Krieger, R. A.
02334.

Snow pack, average water content: Hayes, G. S. 02356.

Spring near Hollis: Cogswell, J. 00368.

Springs, mineral, analyses: Peale, A. C. 01369.

Spring water analysis: Clarke, F. W. 00352.

Stream flow

- Determination of during frozen season: Barrows, H. K.
02316.
- Data program for Maine: Hayes, G. S. 02363.
- Into the Atlantic Ocean, 1931-1960: Bue, C. D. 02357.
- Records: U. S. Geological Survey 02317.

Stream measurements

- 1901: Newell, F. H. 02196.
- 1902: Newell, F. H. 02197.
- 1903: Hoyt, J. C. 02198.
- 1904: Barrows, H. K. 02199.
- 1905: Barrows, H. K. 02200.

Stream water composition: Rainwater, F. H. 02347.

Strontium in natural waters: Skougstad, M. W. 02336.

Surface waters, compilation of records 1950-1960: U. S.
Geological Survey 02339.

Surface water quality: Dole, R. B. 00491; U. S. Geological
Survey 02319.

Surface waters, reconnaissance of selected minor elements
in: Durum, W. H. 02360.

Surface water resources: Hayes, G. S. 00758.

Surface water supply, 1906: Barrows, H. K. 02201.

Temperatures of waters available for industrial use: Collins,
W. D. 02322.
Typhoid fever epidemic, 1902-03: Whipple, G. C. 01875, 02174.
Underground waters, southern Maine: Clapp, F. G. 00336.
Water analyses from the U. S. Geological Survey: Clarke,
F. W. 02321.
Water-bearing characteristics, surficial deposits, southwest-
ern Maine: Prescott, G. C., Jr. 01451.
Water data, metropolitan areas: Schneider, W. J. 02344.
Water levels and artesian pressure in observation wells:
U. S. Geological Survey 02318.
Waters, normal and polluted, northeastern United States:
Leighton, M. O. 01081.
Water power: Pressey, H. A. 01455; Wells, W. 01866, 01867.
Water resources
 General: Bayley, W. S. 00124.
 Portsmouth-York region: Smith, G. O. 01639.
Water Storage Commission
 1st Annual Report: Babb, C. C. 00053.
 2nd Annual Report: Babb, C. C. 00054.
Water supplies
 Glacial gravels, Augusta area: Smith, G. O. 01640.
 Maine public, mineral characteristics: MacDonald, R. W. 01120.
Water use estimates
 1965: Murray, C. R. 02359.
 1970: Murray, C. R. 02362.
Well, artesian, flowing, Winslow: Little, H. P. 01100.
Well finding: Trefethen, J. M. 01772.
Well records: Lines, E. F. 01095.
Well waters
 in granite: Clapp, F. G. 00339.
 in the State of Maine: Clapp, F. G. 00337.
Wells, water levels and artesian pressures: U. S. Geological
 Survey 02318.

APPENDIX I

PUBLICATIONS OF THE MAINE GEOLOGICAL SURVEY (Price list upon request)

Publications which are out of print are indicated by an asterisk (*). Open file reports and maps available for examination at the office of the Maine Geological Survey are preceded by a hyphen (-).

REPORTS (This series was discontinued with publication of the 1953-54 Report.)

- *First Annual Report on the Geology of the State of Maine, by Lucius H. Merrill and Edward H. Perkins; 1930.
- *State Geologist's Report on the Geology of Maine 1930-32, by Joseph C. Twinem and Edward H. Perkins; 1932.
- *Report of the State Geologist, 1942-43, by Joseph M. Trefethen; March 1, 1943.
- *Report of the State Geologist, 1943-44, by Joseph M. Trefethen; March 1, 1945.
- *Report of the State Geologist, 1945-46, by Joseph M. Trefethen; March, 1947.
- *Report of the State Geologist, 1947-48, by Joseph M. Trefethen; March, 1949.
- *Report of the State Geologist, 1949-50, by Joseph M. Trefethen; May, 1951.
- *Report of the State Geologist, 1951-52, by Joseph M. Trefethen; December 1953.
- Report of the State Geologist, 1953-54, by Joseph M. Trefethen; July, 1955.

BULLETINS

- *1. Domestic Fuel Possibilities of Maine Peat, by Joseph M. Trefethen and Robert B. Bradford; March 1, 1944.
- *2. Geology of the Katahdin Pyrrhotite Deposit and Vicinity, Piscataquis County, Maine, by Ralph L. Miller; July 1, 1945.
- *3. Petrology of the Columbia Falls Quadrangle, Maine, by Ruth D. Terzaghi; March 1, 1946.
- *4. Geology of the Aroostook County, Maine, Manganese Deposits, by Ralph L. Miller; April 1, 1947.
- *5. Economic Geology of Some Pegmatites in Topsham, Maine, by Vincent E. Shainen; December 1, 1948.
- *6. Pegmatites and Associated Rocks in the Newry Hill Area, Oxford County, Maine, by Vincent E. Shainen and Louis Delwig; 1955.
- *7. Genetic Study of Some Pyrrhotite Deposits of Maine and New Brunswick, by Robert S. Houston; January 1956.
- 8. Geology of the Beck Pond Area, Township 3 - Range 5, Somerset County, Maine, by A. J. Boucot, Charles Harper, and Keith Rhea; January 21, 1959.
- *9. The Geology of a Six-mile Section Along Spencer Stream, Somerset County, Maine, by A. J. Boucot, J. R. Griffin, G. H. Denton, and P. S. Perry; May 1, 1959.

10. Glacial Lake and Glacial Marine Clays of the Farmington Area, Maine, Origin and Possible Use as Lightweight Aggregate, by Dabney W. Caldwell; June 1, 1959.
11. The Geology of Sebago Lake State Park, by Arthur L. Bloom; November 1, 1959.
12. The Geology of Baxter State Park and Mount Katahdin, by Dabney W. Caldwell, First Edition, 1960*; 2nd Edition, 1972.
13. The Geology of the Cutler and Moose River Quadrangles, Washington County, by Olcott Gates, September, 1961.
14. The Geology of Southern York County, Maine, by Arthur M. Hussey II; December, 1962.
15. Reconnaissance Bedrock Geology of the Presque Isle Quadrangle, Maine, by A. J. Boucot, M. T. Field, R. Fletcher, W. H. Forbes, R. S. Naylor, and L. Pavlides; January 1964.
- *16. Geology of the Bryant Pond Quadrangle, Maine, by Charles V. Guidotti; February 1965.
17. The Geology of Mount Blue State Park, by K. A. Pankiowskyj; July, 1965.
18. Contributions to the Geology of Maine, with papers by A. J. Boucot, F. M. Beck, R. G. Doyle, Bradord Hall, and Richard Gilman; September 1966.
19. Reconnaissance and Economic Geology of the Northwestern Knox County Marble Belt, by Eric S. Cheney; 1967.
20. Stratigraphy, Structural Geology, and Metamorphism of the Waterville-Vassalboro area, Maine, by Philip H. Osberg; 1968.
21. Geology of the Moose River and Roach River Synclinoria, by Arthur J. Boucot and E. W. Heath, August, 1969.
22. Stratigraphy of the Southern End of the Munsungun Anticlinorium, Maine, by Bradford A. Hall; 1970.
23. Shorter Contributions to Maine Geology, with papers by Henry N. Andres and Andrew E. Kasper; David C. Roy and William H. Forbes; Kost A. Pankiowskyj; Gary M. Boone; Arthur J. Boucot; Paul D. Fullagar and Michael L. Bottino; Richard A. Gilman; and Arthur M. Hussey II; 1970.
24. Metamorphic Stratigraphy, Petrology, and Structural Geology of the Little Bigelow Mountain Map Area, Western Maine, by Gary M. Boone; 1973.
25. History of Sedimentation in Montsweag Bay, by Detmar Schnitker; 1972.

GEOLOGIC MAP SERIES

- GM-1 Geologic Map of the Portland Quadrangle, Maine, by A. M. Hussey II; 1971.
- GM-2 Geologic Map and Cross Sections of the Orrs Island Quadrangle and Adjacent Area, Maine, by A. M. Hussey II; 1971.

GEOPHYSICAL AND GEOLOGICAL MAPS

- *An Airborne Magnetometer Survey, Forest City Area, by Joseph M. Trefethen; 1953.
- *An Airborne Magnetometer Survey, Meddybemps Area, Maine, by Joseph M. Trefethen; 1953.
- *Aeromagnetic Survey and Geologic Reconnaissance of Part of Piscataquis County, Maine, by E. P. Kaiser, and J. R. Balsley; 1954 (U. S. Geol. Surv. GP116 Map; surveyed in cooperation with the State of Maine.
- *GP & G Survey #1, An Aeromagnetic and Geologic Reconnaissance

- Survey of Portions of Hancock and Penobscot Counties, Maine, by Lawrence A. Wing; February 12, 1958.
- *GP & G Survey #2, An Aeromagnetic and Geologic Reconnaissance Survey of Atkinson and Vicinity, Piscataquis County, Maine, by Lawrence A. Wing; August 6, 1958.
- *GP & G Survey #3, An Aeromagnetic and Geologic Reconnaissance Survey of Portions of Penobscot, Hancock, and Washington Counties, Maine, by Lawrence A. Wing; August 6, 1958.
- *GP & G Survey #4, An Aeromagnetic and Geologic Reconnaissance Survey of Portions of Piscataquis, Penobscot, and Aroostook Counties, Maine, by Lawrence A. Wing; August 12, 1959.
- GP & G Survey #5, An Aeromagnetic and Geologic Reconnaissance Survey of the Sidney-Augusta and Gardiner Areas, Kennebec County, Maine, by Lawrence A. Wing; August 12, 1959.
- Preliminary Geologic Map of Maine, 1967, Scale 1:500,000, Compiled and Edited by Robert G. Doyle, A. M. Hussey II, chief compiler.

MINERAL RESOURCES INDEX SERIES

- *1. Maine Pegmatite Mines and Prospects, and Associated Minerals, by John R. Rand; March 1, 1957.
2. Maine Granite Quarries and Prospects, by Muriel B. Austin and Arthur M. Hussey II; May 1, 1958.
- *3. Maine Metal Mines and Prospects, by Arthur M. Hussey II; June 1, 1958.

MINERAL RESOURCES REFERENCE MAP SERIES

- MRRM 1, Bangor Sheet, scale 1:250,000, by John R. Rand; June 30, 1957.
- MRRM 2, Lewiston Sheet, scale 1:250,000, by Robert G. Doyle; February 1, 1959.
- MRRM 3, Portland-Bath Sheet, scale 1:250,000, by Robert G. Doyle; May 1, 1959.

SPECIAL ECONOMIC STUDIES SERIES

1. A Detailed Economic Investigation of Aeromagnetic Anomalies in Eastern Penobscot County, Maine, by Robert G. Doyle, Robert S. Young, and Lawrence A. Wing; March 1, 1961.
2. Prospect Evaluations, Hancock County, Maine, by Robert S. Young; April 15, 1962.
3. Prospect Evaluations, Washington County, Maine, by Robert S. Young; May, 1963.
4. A Detailed Economic Investigation of Geochemical and Aeromagnetic Anomalies, North Central Maine, by Webster F. Stickney, Robert S. Young, and Lawrence A. Wing; March 1965.
5. Geochemical Stream Sediment Sampling Survey, Rangeley, Maine, Area, by Walter A. Anderson; August, 1969.
- 6. Geology of the Blue Hill - Castine Mining District, Southwestern Hancock County, Maine, by Eric S. Cheney; October 1969.

MARINE STUDIES SERIES

- 1. Marine Erosion Studies on the Sand Beaches of Maine (progress report), by Miles O. Hayes; 1969.
- 2. Studies of Processes Controlling Beach Morphology Systems of the Wells Area, Maine, by Barry S. Timson, 1971-72.
- 3. Beach Gravel Dispersion Processes on Wells Beach, Maine (progress report), by Barry S. Timson; 1971-72.
- 4. Sedimentation and Sub-bottom Profiling Surveys in the Area of the Kennebec, Sheepscot, and Damariscotta Estuaries (progress report), by Detmar Schnitker; 1970.
- 5. A Study of Primary Productivity in Terms of Harvest from Impounded Maine Coastal Water, by Walter S. Foster; 1969.
- 6. Areal Distribution and Provenance of Sediments in the St. George River, Knox County, Maine (progress report), by Kenneth Fink; 1971.
- 7. Penobscot Bay Physical Resources Report, preliminary, by Robert G. Doyle et al; 1970.
- 8. Eastern Maine Harbors Physical Resources Report, preliminary, by Robert G. Doyle; 1971.
- 9. Holocene Sedimentation in Montsweag Bay, by Detmar Schnitker, 1971.
10. A Preliminary Survey of the Damariscotta River Estuary, Lincoln County, Maine, by B. J. McAlice; July, 1969.

MISCELLANEOUS PUBLICATIONS

- *Bibliography of Maine Geology, 1931-1954, by William T. Forsyth; May 1, 1955.
- *Bibliography on Maine Geology, 1836-1957, by John R. Rand; January 1, 1967.
Revised Supplement to Bibliography on Maine Geology, 1836-1956, by Robert G. Doyle; January 1967.
- The Maine Mining Law for State Owned Lands; Maine Mining Bureau, November, 1969.
- Placer Gold In Maine (mimeographed one-page information letter.
- *Commercial Rocks and Minerals of Maine, by John R. Rand and Muriel B. Austin; January 1, 1959. (Mineral and Rock suite with explanatory booklet and locality map, distributed only to Maine high schools.)
- *Gemstones and Commercial Minerals of Maine, by Robert G. Doyle and Muriel B. Austin; September 1, 1959. (Mineral suite and explanatory booklet distributed only to Maine grade schools.)
- *Maine Mineral Collecting, by Robert G. Doyle.
- *Late Pleistocene Changes of Sealevel in Southwestern Maine, by Arthur L. Bloom, October 1, 1960.
A Compilation of Geological Maps of Eastern Maine, by Wester F. Stickney; 1965. (Mineographed.)
- *A Survey of the Potential of Industrial Mineral Production in the State of Maine, by Donald H. Shaw; October 15, 1959.
- *Results of New Research Investigation into the Use of Glacial Marine Clay as a Source of Lightweight Aggregate, by Robert G. Doyle; March, 1962.

