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### Guidebook to field trips in the Boston area and vicinity : 56th annual meeting October 2-4, 1964 held at Boston College, Chestnut Hill, Massachusetts: title page, table of contents, introduction

Skehan, S.J.

New England Intercollegiate Geological Conference (NEIGC)

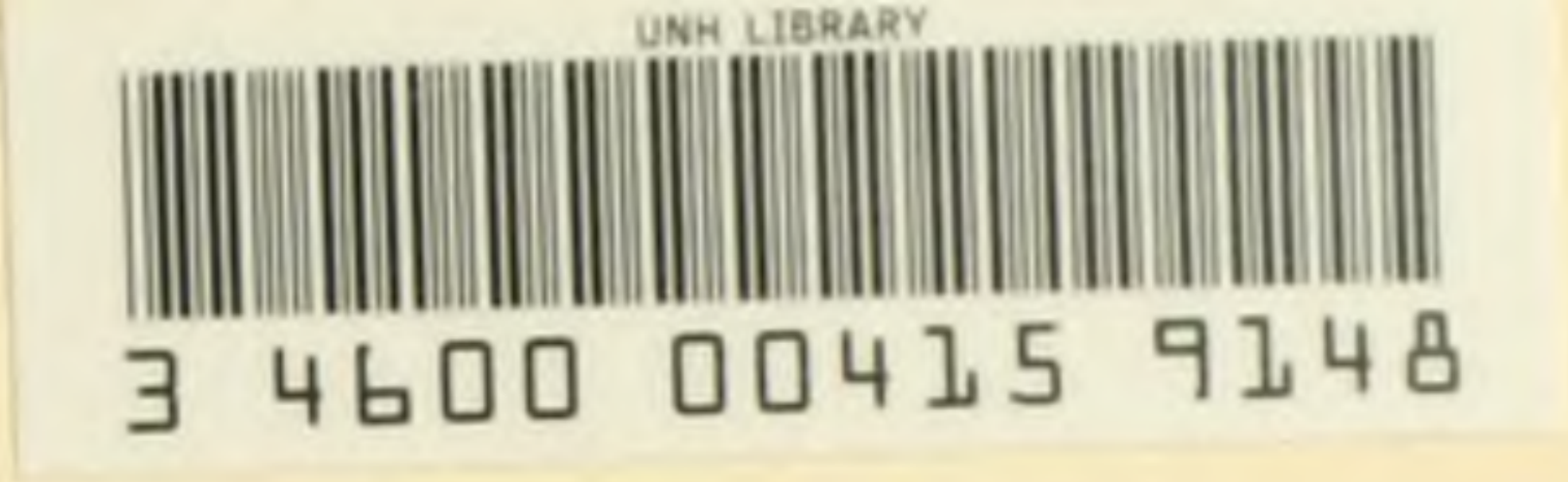
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NEW ENGLAND INTERCOLLEGIATE GEOLOGICAL CONFERENCE

Guidebook to Field Trips in the  
Boston Area and Vicinity

56th Annual Meeting  
October 2-4, 1964

held at  
Boston College

Chestnut Hill, Massachusetts







NEW ENGLAND INTERCOLLEGIATE GEOLOGICAL CONFERENCE

GUIDEBOOK

56th Annual Meeting

October 2-4, 1964

Chestnut Hill, Massachusetts

LEADERS:

- |                         |   |
|-------------------------|---|
| Clifford A. Kaye        | - Geologist, U.S. Geological Survey           |
| Robert L. Nichols       | - Professor of Geology, Tufts University      |
| Robert F. Boutilier     | - Professor of Geology, Boston University     |
| Dabney W. Caldwell      | - Professor of Geology, Wellesley College     |
| Cornelius S. Hurlbut    | - Professor of Mineralogy, Harvard University |
| Priestley Toulmin, III. | - Geologist, U.S. Geological Survey           |
| Norman P. Cuppels       | - Geologist, U.S. Geological Survey           |
| Newton E. Chute         | - Professor of Geology, Syracuse University   |
| Kenneth Bell            | - Geologist, U.S. Geological Survey           |

EDITOR AND CONFERENCE ORGANIZER:

- |                       |  |
|-----------------------|--|
| James W. Skehan, S.J. | - Professor of Geology, Boston College |
|-----------------------|--|

CONFERENCE COORDINATORS:

- |                     |                                |
|---------------------|--------------------------------|
| Lydia M. McCarthy   | - Department of Geology Staff, |
| Maryellen McCluskey | Boston College                 |



NEIGC MEETINGS, 1964, CHESTNUT HILL, MASSACHUSETTS

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## INTRODUCTION

James W. Skehan, S.J., Boston College

The Boston Basin and adjacent areas have a wide range of geologic features. In planning the 1964 field trips of the 56th Annual Meeting of the New England Intercollegiate Geological Conference, the Editor and Organizer wished to offer to the large number of participants an opportunity to study features truly representative of the geology of eastern Massachusetts.

Eight field trips will be presented for a full day on Saturday and abbreviated field trips to the same areas will be conducted on Sunday. The interested student of Earth Science may develop for himself a representative composite picture of the geology of the Boston Basin and of the metamorphic and igneous rocks outside the Basin proper by a synthesis of information contained in this guidebook. Each field trip leader has presented a general discussion of the relation of his area of special study to the geology of the region. He has also presented a discussion of certain details of selected outcrops which have been chosen to illustrate some of the general features. Each has chosen to present the kind of road log which he considers best suited to a study of the area in question. It may be noted that two variations in stratigraphic designation are used by various authors both of which are proper usage; the one approved by the U.S. Geological Survey for publications by its members and the other approved by the Committee on Stratigraphic Nomenclature of the Geological Society of America.

This printed outline of the geology of the areas selected for special study by this Annual Meeting is presented with the expectation that it will benefit not only the Conference participants under the personal guidance of the Leaders but also those geologists, teachers of Earth Science, and the interested public who, in the absence of personally guided tours by the Leaders, may wish to use the guidebook to visit and understand the geological features described herein.

The Editor and Organizer of this Conference wishes to acknowledge his gratitude to the following persons who have helped in a special way to make the 56th Annual Meeting possible: Very Rev. Michael P. Walsh, S.J., President of the Host Institution, who invited the Conference to the Boston College campus; all the highly qualified and busy field trip leaders from neighboring institutions and from the United States Geological Survey who have generously shared of their time and scientific knowledge to make the geology of this area better understood; Miss Lydia M. McCarthy, Administrative Assistant, who attended to the innumerable arrangements connected with a meeting of this size; Miss Maryellen McCluskey, who typed the multiliths of the manuscript for publication and who assisted in coordinating arrangements; Mrs. Alfred E. Wier, who assisted in proofreading the manuscript; Profs. John J. Rodgers, Yale University and Alonzo W. Quinn, Brown



University whose assistance with advice and mailing were most helpful; Profs. Emanuel G. Bombolakis, George D. Brown, Jr., and Mrs. William Schromm of the Boston College Geology Teaching Staff, and the Geology Club led by President Charles G. Legarde, who were most helpful in connection with the field trips themselves; Rev. Francis B. McManus, S.J., Secretary of the University, and his staff, who handled the campus arrangements; and all the many others who assisted in many ways.