



A Norwegian journal
of geology

Volume 58 · 1978 Number 1

Universitetsforlaget

NORSK GEOLOGISK TIDSSKRIFT



Norsk Geologisk Tidsskrift

*A Norwegian journal of geology issued under the auspices of
the Norwegian Geological Society*

EDITOR

Konservator NATASCHA HEINTZ

CO-EDITOR

Professor HENRICH NEUMANN

EDITORIAL ADDRESS

Norsk Geologisk Tidsskrift
Paleontologisk Museum, Sars gate 1, Oslo 5, Norway.

EDITORIAL COMMITTEE

Dosent B. G. ANDERSEN, Førstekonservator I. BRYHNI, Professor J. A. W. BUGGE,
Professor K. S. HEIER, Professor G. HENNINGSMOEN, Professor B. A. STURT, Dosent
T. TORSKE, and Professor F. M. VOKES.

PUBLISHER

UNIVERSITETSFORLAGET, P.O. Box 7508, Skillebekk, Oslo 2, Norway. American office:
P.O. Box 142, Boston, Massachusetts 02113, U. S. A.

SUBSCRIPTIONS

Members of the Norwegian Geological Society who have paid their annual subscription (N. kr. 100.–) receive the journal free from Universitetsforlaget. Membership subscriptions, changes of address, and communications from members concerning the journal should be sent to the Treasurer, Norsk Geologisk Forening, Geologisk Museum, Sars gate 1, Oslo 5, Norway.

Non-members of the Norwegian Geological Society should send their orders to Universitetsforlaget. The subscription price per volume (four issues) including postage, is as follows:

Norway: N.kr. 120.00; postgiro 5 15 53 04. U.S.A.: U.S. \$24.00.

Single issues, at a price of N.kr. 30.00. U.S. \$6.00, can also be ordered.

Instructions to Authors

Manuscripts should be sent to the Editor. The author's permanent and temporary addresses must be given. Accepted manuscripts will not be returned until printed, and the author is requested to retain a complete copy of the manuscript. Authors will receive one set of proofs which should be read carefully and returned promptly to Universitetsforlaget. The author will be charged for changes against the manuscript made by him in proof. Fifty reprints will be sent free of charge to the author. In cases of multiple authorship, 75 reprints will be sent to the team. Reprints required in addition to those supplied free should be ordered when returning the first proofs to Universitetsforlaget.

MANUSCRIPT

The manuscript must be typewritten (carbon copy not acceptable) on one side of standard sized paper, double spaced, with an ample margin. The text must be clear and concise, and written preferably in English; however, Norwegian, Danish, Swedish, French, or German may be used. Manuscripts should be arranged in the following order: (1) Informative but brief title. (2) Author's name. (3) A short abstract, always in English, not exceeding 12 lines (910 letters and spaces), and starting with a repetition of 2 and 1 with a translation in parentheses of non-English titles. (4) The author's professional postal address and a dating of the manuscript. (5) The main text. Use three or fewer grades of headings. Instead of footnotes, insert paragraphs which can be composed in smaller type or use parentheses. Indicate in the left-hand margin the approximate positions for the insertion of Halftone illustrations, Figures and Tables. The words 'Fig.' ('Figs.') and 'Table' (unabbreviated) should be capitalized. (6) A List of References conforming with the examples given below. Abbreviations used should be consistent: necessary editorial changes will be made according to the *International List of Periodical Title Word Abbreviations* (UNISIST/ICSU AB 1970). (7) Figure captions on a separate sheet. Add an English translation below captions in other languages. (8) Tables, if any, with captions, numbered with arabic numerals.

ILLUSTRATIONS

Illustrations should be reducible to a maximum size of 11.8×19.8 cm or less. If not adjustable to the entire width of the type area, 11.8 cm, they must be considerably narrower. Line drawings (maps, sections, etc.) may occasionally be allowed to extend into the inner margin of the page by an additional 2.7 cm. Drawings should be in black Indian ink. Letters should not be smaller than 1 mm after reduction for reproduction. Photographs should be clear, sharply contrasted, and printed on white paper with glossy finish. Figures may be composed of several units (designated A, B, C, etc.) and mounted in such a way that each unit after reduction is separated by a space at least 1 mm broad. All units should be similar in tone. Illustrations should generally be termed Figures (not Plates) even if occasionally covering an entire page. All Figures should be marked with the author's name and the Figure number. Do not attach captions to the Figures. When not obvious, the top and bottom of Figures, and their scale, should be indicated.

REFERENCES

- Barth, T. F. W. 1962: *Theoretical Petrology*, 2nd ed., John Wiley & Sons, Inc., New York. 416 pp.
- Bjørlykke, H. & Svinndal, S. 1906: The carbonatite and per-alkaline rocks of the Fen area. Mining and exploration work. In Holtedahl, O. (ed.), *Geology of Norway. Nor. Geol. Unders.* 208, 105–110.
- Eskola, P. 1920: Mineral facies of rocks. *Nor. Geol. Tidsskr.* 6, 143–194.
- Størmer, L. 1944: On the relationship and phylogeny of fossil and recent Arachnomorpha. *Skr. Nor. Vidensk. Akad. i Oslo, Mat.-Naturvidensk. Kl., 1944*, No. 5, 158 pp.

Norsk Geologisk Tidsskrift

VOLUME 58, NUMBER 1, 1978



CONTENTS - *INNHold*

PAPERS - *AVHANDLINGER*

BEESON, ROBERT: The geochemistry of meta-igneous rocks from the amphibolite facies terrain of south Norway	1
RAI, KISHANLAL: Micromineralogy and geochemistry of sphalerites from Sulitjelma Mining District, Norway	17
GENES, ANDREW N.: Glacial geology of the island Stord, west Norway	33
HUSEBYE, EYSTEIN S., BUNGUM, HILMAR, FYEN, JAN & GJØYSTDAL, HÅVAR: Earthquake activity in Fennoscandia between 1497 and 1975 and intraplate tectonics	51
HAGESKOV, BJØRN: On the Precambrian structures of the Sandbukta-Mølen inlier in the Oslo graben, SE Norway	69
GRØNLIE, GISLE & LONG, ØRNULF: The old Vigsnes copper mine at Karmøy, western Norway: Presentation of geophysical data	81

NOTES - *NOTISER*

COPLEY, P. A. & GAY, P.: A scanning electron microscope investigation of some Norwegian aventurine feldspars	93
--	----

Issued June 1978