

Bulletin of the National Museum of Nature and Science

(formerly: Bulletin of the National Science Museum)

Series C (Geology and Paleontology)

An annual journal published by the National Museum of Nature and Science, Tokyo

This journal covers any fields related to mineralogy, petrology, geology and paleontology.

Editorial Board

Ken-ichi Shinoda, Editor-in-Chief, *Department of Anthropology*

Kazuhiro Sakaue, Managing Editor, *Department of Anthropology*

Ritsuro Miyawaki, Principal Editor, *Department of Geology and Paleontology*

Megumi Saito-Kato, Principal Editor, *Department of Geology and Paleontology*

Toshiaki Kuramochi, *Department of Zoology*

Takuya Kiyoshi, *Department of Zoology*

Masanobu Higuchi, *Department of Botany*

Yoshihito Ohmura, *Department of Botany*

Fumitaka Wakabayashi, *Department of Science and Engineering*

Toshio Kubota, *Department of Science and Engineering*

Yoshikazu Ogawa, *Institute for Nature Study*

Makoto Manabe, *Collection Center*

Editorial Advisory Board for Series C

Hisayoshi Igo, *Professor Emeritus, University of Tsukuba*

Ryuichi Majima, *Yokohama National University*

Ryosuke Motani, *University of California*

Hideo Nakaya, *Kagoshima University*

Harufumi Nishida, *Chuo University*

Masaaki Shimizu, *Toyama University*

Tomokazu Hokada, *National Institute of Polar Research*

©2017 by the National Museum of Nature and Science

Inquiries concerning purchase and exchange of the Bulletin should be addressed to:

Library

National Museum of Nature and Science

4-1-1 Amakubo, Tsukuba,

Ibaraki 305-0005, Japan

E-mail: library@kahaku.go.jp

Bull. Natl. Mus. Nat. Sci.	Ser. C, Vol. 43	pp. 1-92	Tokyo	Dec. 22, 2017
----------------------------	-----------------	----------	-------	---------------