

Accepted Manuscript

Mechanism and process of construction of tubes of the trace fossil *Schaubcylindrichnus coronus* Frey and Howard, 1981

Kazuki Kikuchi, Nobuhiro Kotake, Noboru Furukawa

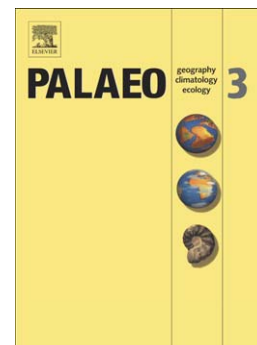
PII: S0031-0182(15)00669-0
DOI: doi: [10.1016/j.palaeo.2015.11.013](https://doi.org/10.1016/j.palaeo.2015.11.013)
Reference: PALAEO 7565

To appear in: *Palaeogeography, Palaeoclimatology, Palaeoecology*

Received date: 21 August 2015
Revised date: 13 November 2015
Accepted date: 17 November 2015

Please cite this article as: Kikuchi, Kazuki, Kotake, Nobuhiro, Furukawa, Noboru, Mechanism and process of construction of tubes of the trace fossil *Schaubcylindrichnus coronus* Frey and Howard, 1981, *Palaeogeography, Palaeoclimatology, Palaeoecology* (2015), doi: [10.1016/j.palaeo.2015.11.013](https://doi.org/10.1016/j.palaeo.2015.11.013)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



Title: Mechanism and process of construction of tubes of the trace fossil

Schaubcylindrichnus coronus Frey and Howard, 1981

Authors: Kazuki Kikuchi, Nobuhiro Kotake, Noboru Furukawa

Affiliation: Department of Earth Science, Chiba University, Chiba, 263-8522

Japan

Corresponding author:

Kazuki Kikuchi

Phone: +81-43-290-2836

E-mail: adta3128@chiba-u.jp

Abstract

Schaubcylindrichnus coronus is a common trace fossil occurring in post-Cretaceous shallow marine deposits. It consists of a sheaf or bundle of thickly lined tubes, with the tube linings usually composed of colorless minerals (“mineral-lined” type). Recently, many peculiar specimens of *S. coronus*, whose tube linings are composed mainly of tests of the larger benthic foraminifer *Operculina complanata japonica* (“*Operculina*-lined” type), have been found in the inner shelf deposits of the late Miocene Kaichigo Formation in the Miyazaki Group, southwestern Japan. The “*Operculina*-lined” specimens occur in association with funnel-shaped concentrations of *Operculina* tests. In some specimens, the end of the tube directly connects to the concentration. We consider these concentrations to be the product of feeding funnels filled with *Operculina* tests that were delivered from shallower marine settings in

Download English Version:

<https://daneshyari.com/en/article/6349195>

Download Persian Version:

<https://daneshyari.com/article/6349195>

[Daneshyari.com](https://daneshyari.com)