

# TRACE FOSSILS



**SHORT COURSES IN PALEONTOLOGY**

**NUMBER 5**

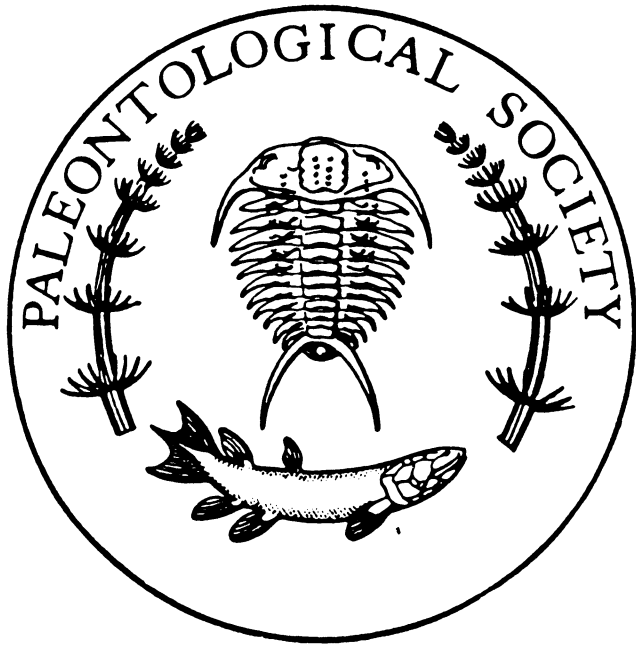
**1992**

**convened and edited by  
Christopher G. Maples and Ronald R. West**

**Stephen J. Culver, Series Editor**

**A Publication of The Paleontological Society**

# TRACE FOSSILS



## SHORT COURSES IN PALEONTOLOGY

NUMBER 5

1992

convened and edited by  
**Christopher G. Maples and Ronald R. West**

Stephen J. Culver, Series Editor

A Publication of The Paleontological Society

## CONTENTS

<b>PROGRAM</b>	ii
<b>PREFACE</b>	iii
<b>AUTHORS</b>	iv
<b>Introduction to Trace Fossils and Dedication to Robert W. Frey</b> by Christopher G. Maples and Ronald R. West	1
<b>Ichnotaxonomy: a Burrow by Any Other Name...?</b> by James P. A. Magwood	15
<b>Vertebrate Trace Fossils</b> by Mark F. Schult and James O. Farlow	34
<b>Invertebrate Trace Fossils: the Backbone of Continental Ichnology</b> by Stephen T. Hasiotis and Thomas M. Bown	64
<b>Trace Fossils in Quaternary, Bahamian-style Carbonate Environments: the Modern to Fossil Transition</b> by H. Allen Curran	105
<b>Bioerosion: Eating Rocks for Fun and Profit</b> by Richard G. Bromley	121
<b>Paleoenvironmental Patterns of Biogenic Sedimentary Structures</b> by David J. Bottjer and Mary L. Droser	130
<b>Muckraking and Mudslinging: the Joys of Deposit-feeding</b> by A. A. Ekdale	145
<b>Trace Fossils and Benthic Oxygenation</b> by Charles E. Savrda	172
<b>Trace Fossils of Plant-Arthropod Interactions</b> by Andrew C. Scott	197
<b>Quo Vadis, Ichnology?</b> Adolf Seilacher	224