



INSTRUCTIONS TO AUTHORS

The Journal of Coastal Research is a quarterly journal published by the Coastal Education & Research Foundation (CERF). Topics of interest encompass all subjects relevant to natural and man-made environments (freshwater, brackish, or marine) and the protection and/or management of their resources. The focus is on shorelines and their immediate surroundings.

Manuscripts (an original and two copies) should be sent to Dr. Charles W. Finkl, Editor-in-Chief, 4310 NE 25th Avenue, Fort Lauderdale, FL 33308 USA, (305) 565-1051 (telephone and FAX). Each manuscript will be reviewed by at least two referees, as well as the Editor-in-Chief and Associate Editors. Manuscripts submitted to the *Journal* should be well written, in English, and should conform to the style outlined for this journal. Summaries in French, German, Spanish, or other modern languages using the Latin alphabet are appreciated. All manuscripts must contain original material and should not be currently submitted for publication elsewhere. Upon acceptance of the manuscript, the publishers acquire the copyright for publication as well as the sole right for reproduction, distribution, or translation.

Authors may submit material for the following subject areas:

PROFESSIONAL PAPERS Original research contributions dealing with all aspects of coastal and environmental issues are of primary interest to the *Journal*. In addition manuscripts dealing with theory, methodology, applied topics, and case studies, as well as periodic reviews of history, progress in specific topic areas, and state-of-the-art summaries are appropriate.

TECHNICAL REPORTS These papers are generally shorter and more limited in scope than professional papers. Brief reports and notes dealing with new or improved techniques, procedures, or methodologies should follow the same format as professional papers.

DISCUSSION AND REPLY Discussion of professional papers or technical communications is encouraged. Commentaries should clearly identify the article title and author(s) as well as the journal issue in which the article appeared. Copies of discussion papers are sent to the senior or first author so that a reply may be printed following each discussion. Rejoinders are permitted.

NEWS AND ANNOUNCEMENTS This section includes announcements, discussions, and progress reports of supporting organizations (INQUA, IGCP, IGU, ITC, IABO, IFAQ, IAM) and other associations interested in coastal issues. Brief descriptions of professional activities; news items; news features about people, honors, and awards; and opportunities for fellowships, scholarships, and research funds will be included.

LETTERS TO THE EDITOR Critical observations and clarifying discussions of articles appearing in the *Journal* will be published as soon as possible along with the author's reply. Brief responses are requested. Editorials providing informative commentaries on any aspect of coastal research are welcome.

LITERATURE REVIEWS, BOOKS RECEIVED Literature reviews of unresolved issues as well as modern developments will be featured in this section. Selected book reviews and shorter listings of books received also will appear.

COASTAL PHOTOGRAPHS Black-and-white photographs of general interest will be published as single-page entries with appropriate captions (please include location and date).

MANUSCRIPT REQUIREMENTS

All parts of the manuscript (including Abstract and References) should be typewritten on one side of high quality paper, not more than 216 mm by 280 mm (8.5 × 11 inches), double spaced, with ample margins. Number each page consecutively, beginning with the Abstract. Do not justify the right-hand margin and do not end lines with word divisions. A popular typeface such as Courier should be used, with italic indicated by underlining only. Italic, boldface, or other special fonts should not be used; they will be communicated to the printer by the editor. For style recommendations please refer to *A Manual of Style* (1982), The University of Chicago Press; *Suggestions to Authors of the Reports of the United States Geological Survey* (1991), U.S. Government Printing Office, Washington, DC; or *Geowriting—A Guide to Writing, Editing, and Printing in Earth Science* (1973), American Geological Institute, Washington, DC.

Geological, ecological, and other scientific terms should be defined at first use. The S.I. system (le Système International d'Unités) for reporting measurements is required insofar as practical. Other units may be reported in parentheses or as the primary units when conversion is not possible. Extra space should be left around and between lines of equations. Long equations that would require many breaks should be arranged into a "table" so that the equation can run across the full width of the page.

MANUSCRIPT ARRANGEMENT

Manuscripts should be organized in the following order:

A) **TITLE PAGE** The first page should include 1) a short running head, 2) a concise title (generally <12 words), 3) the name(s) and affiliation(s) of author(s), 4) a postal address for each author, and 5) footnotes for new affiliations, contribution numbers from institutions, or acknowledgement of financial support.

B) **ABSTRACT** The second page should include a concise abstract and key words for indexing. The abstract should be <250 words or <3% of the text, whichever is greater. The abstract should provide the purpose of the report, a brief description of the methods used, significant results, and conclusions. Key words should not already be found in the title.

C) **BODY OF PAPER** The body of the paper should generally include, in order, 1) an introduction, 2) methods, 3) results, 4) discussion, 5) conclusions, and 6) acknowledgements.

Please use the following system for heads:

First order heads: capitals, centered;

Second order heads: upper- and lowercase, flush left;

Third order heads: upper- and lowercase, indented;

Fourth order heads: upper- and lowercase, indented as a paragraph, and run into the text.

D) **REFERENCES** References in the text should be cited

as JONES (1991) or (JONES, 1991) for one author, JONES and SMITH (1991) or (JONES and SMITH, 1991) for two authors, and JONES *et al.* (1991) or (JONES *et al.*, 1991) for three or more authors.

A list of all references cited in the text should follow the acknowledgements section. Citations should be arranged alphabetically by the surname of the first author, with all authors' names typed in capital letters. The list of references should be in the following format:

Articles

CADEE, G.C., 1982. Tidal and seasonal variation in particulate and dissolved organic carbon in the Western Dutch Wadden Sea and Marsdiep tidal inlet. *Netherlands Journal of Sea Research*, 17, 426-440.

Books

PETUCH, E.J., 1988. *Neogene History of Tropical American Mollusks*. Charlottesville, Virginia: Coastal Education & Research Foundation, 217p.

Article within a larger work

STEVENSON, J.C.; WARD, L.G., and KEARNEY, M.S., 1986. Vertical accretion rates in marshes with varying rates of sea-level rise. In: D.A. Wolfe (ed.), *Estuarine Variability*. New York: Academic, pp. 241-259.

Accuracy of all reference citations is the responsibility of the author. All text references should match the reference section citation for date and spelling of names.

E) FOREIGN LANGUAGE SUMMARY For those able to do so, a short summary in a modern language using the Latin alphabet is appreciated. The summary need not be an exact, literal translation of the abstract.

F) TABLES Tables should be typed separately and grouped at the end of the manuscript. Each table should have a short title, free of units of measure and footnotes. Tables should be numbered consecutively and be kept as simple and short as possible. Insert a double rule between the title and the column heads, a single rule between the column heads and the table body, and a single rule following the table body. Additional horizontal rules may be used under spanner heads and subheads. Avoid using vertical lines.

G) FIGURE CAPTIONS Captions should be typed separately and grouped following the tables. All figures should be mentioned in the text in numerical order. Figures will not be placed out of numerical order and should be numbered accordingly.

ILLUSTRATIONS

Photographs and illustrations should be composed with the journal specifications in mind. Whenever possible figures will be reduced to one- (70 mm) or two- (148 mm) column widths. The minimum size of a reduced letter should be 2 mm high. A lettering device should be used. Figures labeled with a typewriter will not be accepted.

Magnifications should be given as bar lines in the illustration and defined in the figure caption or legend. Maps and planimetric drawings should contain scales in bar lines as well as a north arrow.

PROOFS

The senior author or other designated individual will receive page proofs of professional papers or technical articles. Proofs should be checked carefully for printer's errors and returned promptly. Proofs should be received in the editor's office no later than 14 days after the author has received them. The publisher reserves the right to approve copy for press when the author's corrections are not received on time. Changes other than printing errors will be charged to the author. Instructions for correcting proofs will accompany the proofs and should be followed completely. The author is responsible for the accuracy of all facts, dates, statistics, and the position of all parts of mathematical formulas. The author is also responsible for all information given in reference citations, as well as the proper placement of citations in the text.

An offprint order form will accompany the proofs. Offprints will be sent to the author (or first named if more than one) of each signed paper unless otherwise instructed.

SUBSCRIBER INFORMATION

The *Journal of Coastal Research* is published in four issues per volume year. Special issues are published on an irregular basis and are available as standing orders or single copies. The annual subscription price is \$48 for members of CERF. Membership applications are available from the editorial office. Personal subscriptions are \$58 annually and the institutional rate is \$125 annually. Surface postage for subscribers outside the U.S.A. is \$10 additional; airmail delivery rates are \$38 (Europe, South America) and \$52 (Australia, Africa, and the Far East) additional. Back issues are available from Volume 3 onward. The *Journal* may be ordered from booksellers and subscription management services or directly from: Journal of Coastal Research, P.O. Box 1897, Lawrence, KS 66044. For faster service or additional information, call (913) 843-1235. To speed your credit card order, pay by FAX (913) 843-1274.

The Coastal Education & Research Foundation

CERF

APPLICATION FOR MEMBERSHIP

The Coastal Education & Research Foundation [CERF] is a nonprofit corporation dedicated to the advancement of the coastal sciences. The Foundation is dedicated to the multidisciplinary study of the complex problems of coastal environments. The purpose of CERF is to help translate and interpret coastal issues for the public and to assist professional research and public information programs. The Foundation specifically supports and encourages field and laboratory studies on a local, national, and international level.

Application for:

- Current Year** (With back issues)
 Following Year (Journal mailing begins with the January issue)

NAME (please print) _____
First Name M.I. Last/Family Name

Mailing Address _____

City _____ State _____ Zip/Postal Code _____ Country _____

Business Telephone _____ FAX Number _____
(Area Code) + Number (Area Code) + Number

Highest Degree: BSc, BA, MSc, MA, PhD, DSc (Circle degree level), other _____ Year Received: 19 _____

Major/Minor Field of Study: _____

Your Current Professional Specialization _____

TYPE OF MEMBERSHIP AND OPTIONAL EXTRAS

- \$ _____ **Regular** Membership: With 1-year journal subscription \$48/\$58 foreign.
\$ _____ **Student** Membership: With 1-year journal subscription \$43/\$53 foreign.
\$ _____ **Associate** Membership: CERF announcements & newsletter only (no journal) \$15.
\$ _____ Guaranteed Overseas Air Mail Delivery: (\$45/Volume year)
\$ _____ TOTAL

Please make check payable to CERF in U.S. dollars drawn on a U.S. bank.

Check enclosed Charge my Credit Card

MasterCard/VISA/Amex No. _____ Expires _____

Signature _____
(For credit card orders)

Mail completed application and payment to: 

To speed credit card orders
FAX (913) 843-1274

Ms Karen Hickey, Business Manager
CERF Business Office
P.O. Box 1897
Lawrence, KS 66044, USA

Now revised and updated
Available at a special pre-publication price!!!

TIDAL DYNAMICS

Third Edition

Synergetic Gravitational Forces in Tides and the Solar System

By Fergus J. Wood

ISBN 0-7923-1909-5 500pp.(approx.)

Large format (cloth) & lavishly illustrated **\$75.00**

Tidal Dynamics is now available in an *updated and revised* third edition for a special pre-publication price of \$75.00. This new edition has been reorganized, and contains much new information on tidal flooding and erosional damage, including:

- a summary of episodes of tidal flooding and erosional damage to the North American coastline since 1683,
- expanded coverage of the importance of proxigean and extreme proxigean spring tides in coastal flooding,
- an examination of the importance of the joint dynamic influence of the lunar evectional cycle, the alignment of the sun with the lunar line of apsides, and the coincidence of perihelion in a synergetic combination,
- close matching of the lunar nodical cycle with the phenomenon of tidal diurnal inequality,
- new comparison tables showing the coincidence of perigee and proxigee syzygy alignments with tidal events since 1683, and projections of such events to the year 2134,
- a look at the potential influence of the rise in mean sea level caused by global warming on the incidence of coastal flooding.

Also included are new data on the problems of celestial mechanics, specifically problems involving synergetic gravitational forces at work throughout the solar system. An extensive bibliography and glossary make this an invaluable reference for ocean researchers.

To order your copy of **Tidal Dynamics** at the pre-publication price, contact Kluwer Academic Publishers at the address below. This offer is available only to individuals, and expires on November 1, 1992. Pre-payment *must* accompany order.



To order:

Kluwer Academic Publishers

Order Department • P.O. Box 358 • Accord Station

Hingham, MA 02018-0358

phone (617) 871-6600 or fax (617) 871-6528



International Geological Correlation Programme

PROJECT 274
Coastal Evolution in the Quaternary

FIRST CIRCULAR AND REGISTRATION

**International Symposium on
DIVERSITY IN QUATERNARY COASTAL EVOLUTION**

ANNUAL MEETING IGCP 274

December 7–15, 1992, Wellington, New Zealand

INFORMATION

Papers are invited on all aspects of the evolution of Quaternary coastal environments. Diversity in tectonic setting, sediment supply, climate and coastal process are important aspects to shoreline evolution in the Quaternary. Papers emphasising dating and correlation of coastal deposits, modelling and prediction of past climate and oceanic changes, the influence of tectonism, and case studies are welcome.

PROGRAMME

SYMPOSIUM AND ANNUAL MEETING—*December 7–9*

Format will be a mixture of presentations and workshops, with limited poster space available. Publication of symposium papers in an International Journal is planned.

ABSTRACT DEADLINE 1 OCTOBER, 1992.

FIELD EXCURSION—*December 10–15*

Six days visiting rapidly evolving coastlines along the west, north and east coasts of the North Island, New Zealand, where tectonic subsidence and uplift have been prominent factors during Quaternary coastal evolution. Field trip leaders: Sarah Beanland, Kelvin Berryman, Alan Hull & Brad Pillans. Field trip begins in Wellington and finishes in Napier.

LIKELY COSTS

Meeting Registration by April 15, 1992 US\$ 30

(includes Abstract volume, 3 lunches, refreshments and half-day field trip)

Field Excursion US\$ 450

(includes field guide, transportation, food and accommodation)



I enclose **US\$ 30** as a deposit for *IGCP 274 International Symposium*.

I wish to participate in: Symposium and Excursion Symposium only

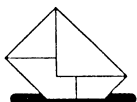
I plan to present the following paper(s) _____

Name _____

Address _____

Tel/Fax/E-mail _____

Please return
this form by
April 15, 1992



Send cheque, money order and requests for further information to:

IGCP 274 International Symposium Tel. 64 (4) 569-9059

c/- Dr. A.G. Hull

P.O. Box 30-368

Lower Hutt,

New Zealand

Fax 64 (4) 566-6168

E-mail (Internet)

"srlnagh@lhn.dsr.govt.NZ"

New International Journal

MODELING OF GEO-BIOSPHERE PROCESSES

This new journal is concerned with the modeling of the micro- and macroscale processes in the system of the geo-biosphere.

Joint Editors: Y. Mualem, Rehovot O. Richter, Braunschweig & R. E. Smith, Fort Collins
—the journal is peer reviewed by joint editors in collaboration with an international editorial board—

Aims and Scope: The journal aims to promote new vision and creative imagination in applying theoretical models and quantitative simulation to study the mechanism of natural processes. Models can contribute to clarifying the link between knowledge in basic physics, mathematics, chemistry, and biology. This journal helps explore new mathematical and computational tools to analyze the behavior of complex systems, at all relevant scales, for whole systems and subsystems.

Papers are welcome on topics related to:

- interactions of processes
- modeling principles
- conceptual/mathematical/numerical models
- model implementation/validation
- parameter estimation/calibration of existing models

There are no page charges.

Send your subscription orders to usual supplier, or direct to:

JAPAN	North America	Other Countries
Eastern Book Service	CATENA VERLAG	CATENA VERLAG
37-3 Hongo chome-3	P.O. Box 1897	Brockenblick 8
Bunkyo-ku	Lawrence, KS 66044-8897	W-3302 Cremlingen 4
Tokyo 113	USA	Germany

Start my subscription to MODELING OF GEO-BIOSPHERE PROCESSES today.

1992 (Vol. 1, 4 issues)

Institution = DM 198,00/ US \$132.00

Individual = DM 138,60/ US \$92.40 (save 30%)

Prepayment Required. You may send Check Bank Draft Copy Credit Card Unesco Coupons

Your Name _____ Card Number _____
 Address _____ Expiration Date: _____

 City _____ ST/Province _____ Zip _____ Signature: _____
 Country _____

THE COASTAL EDUCATION AND RESEARCH FOUNDATION

4310 NE 25th Avenue
Fort Lauderdale, FL 33308, USA

Officers of the Foundation

Founded in 1983 by: Charles W. Finkl, Sr.,
Charles W. Finkl, Jr., Rhodes W. Fairbridge,
and Maurice L. Schwartz

President & Executive Director:
Charles W. Finkl, Jr.

Vice President:
Rhodes W. Fairbridge

Secretary-Treasurer
Charles J. Miller

Board of Directors

Per Bruun	Robert E. Murdoch
Donald R. Coates	Maurice L. Schwartz
Robert Dolan	Andrew D. Short
Robert Huff	Ian Watson
Larry Klingler	

The Coastal Education and Research Foundation [*CERF*] is a nonprofit corporation dedicated to the advancement of the coastal sciences. The Foundation is devoted to the multi-disciplinary study of the complex problems of the coastal zone. The purpose of *CERF* is to help translate and interpret coastal issues for the public and to assist professional research and public information programs. The Foundation specifically supports and encourages field and laboratory studies on a local, national, and international basis. Through the medium of scientific publications, television, and radio *CERF* brings accurate information to the public and coastal specialists on all aspects of coastal issues in an effort to maintain or improve the quality of shoreline resources.

Because *CERF* is concerned with broad environmental

issues, our efforts concentrate on significant problems such as maintenance of good quality (potable) water with adequate supply, and hazards associated with potential beach erosion, flooding, and susceptibility of developed shorelines to storm surge and wave attack. By focusing attention on these potential man-made and natural hazards, it is hoped that our research efforts will help others improve the quality of life in diverse coastal areas. *CERF* thus aims to stimulate awareness of coastal (marine and freshwater shorelines) land and water problems; initiate and foster research and innovation to promote long-term coastal productivity; establish an educational forum for the debate of contentious coastal issues; and develop new principles and approaches for enlightened coastal management, and encourage their adoption and use.

CERF is associated with the Department of Geology at Florida Atlantic University in Boca Raton, Florida 33431. This association provides a basis for cooperative investigation of biophysical resources found in open and naturally protected coastal regions, estuaries, large inland bodies of water bounded by shorelines, wetlands, and other coastal environments. Joint investigative efforts by faculty, students, and staff span a wide and diversified range of interrelated topics that are relevant to solutions of today's dynamic problems. It is hoped that these combined attempts to better understand the nature of coastal processes will help forestall what may become contentious issues of tomorrow.

CERF MEMBERSHIP

Members are individuals, institutions, and corporations that support the aims of the foundation through personal and group efforts or by donations. Memberships are available in different categories with privileges.

Publications of the Foundation:

CERF Quarterly Journal:

Journal of Coastal Research Research (JCR): An International Forum for the Littoral Sciences (ISSN 0749-0208).
[\$US 58.00] (Personal Rate)

Special Issues and Reports:

JCR:

Special Issue No. 1 (1986): Late Quaternary Sea-Level Changes and Coastal Evolution, edited by Paolo Pirazzoli and John R. Suter. [\$US 22.50] (out of print)

Special Issue No. 2 (1986): Annotated Bibliography of Quaternary Shorelines, Fourth Supplement 1978-1983, edited by Horace G. Richards, William B. Gallagher, and Donald J. Colquhoun. [\$US 22.50] (out of print)

Special Issue No. 3 (1988): Dune/Beach Interaction, edited by Norbert P. Psuty. [\$US 15.00]

Special Issue No. 4 (1988): The Effects of Seawalls on the Beach, edited by Nicholas C. Kraus and Orrin H. Pilkey. [\$US 37.00]

Special Issue No. 5 (1989): High Concentration Cohesive Sediment Transport, edited by Ashish Mehta and Earl J. Hayter. [\$US 37.00]

Special Issue No. 6 (1990): Artificial Beaches, edited by Maurice L. Schwartz and Eric C.F. Bird. [\$US 37.00]

Special Issue No. 7 (1990): Rational Design of Mound Structures, edited by N. Kobayashi and M.A. Losada. [\$US 37.00]

Special Issue No. 8 (1991): Impacts of Hurricane Hugo: September 10-22, 1989, edited by Charles W. Finkl, Jr. and Orrin H. Pilkey. [\$US 37.00]

Special Issue No. 9 (1990): Proceedings of the Skagen Symposium (September 1990), edited by Per Bruun and N. Kingo Jacobsen. [\$US 110.00] (2 Vols., 1000 pp.)

Special Issue No. 10 (1992): Simplified Technical Summary of the Complete Delta Works, Including the Eastern Scheldt (The Netherlands), by Ian Watson and Charles W. Finkl, Jr. [\$US 12.50]

Special Issue No. 11 (1991): Quaternary Geology of Long Island Sound and Adjacent Coastal Areas, edited by Paul T. Gayes, Ralph S. Lewis, and Henry J. Bokuniewicz. [\$US 37.00]