INTERNATIONAL HYDROGRAPHIC REVIEW



INTERNATIONAL HYDROGRAPHIC BUREAU MONACO

Vol. LXXIII No. 1

MARCH 1996



OTHER PUBLICATIONS OF THE INTERNATIONAL HYDROGRAPHIC BUREAU

(For other IHO publications and prices, the Catalogue of Publications 1996 can be obtained gratis from the IHB)

PERIODICAL PUBLICATIONS

P-3 International Hydrographic Bulletin

Contains topical news, reports the work undertaken by the I.H. Bureau and the world hydrographic community, covers recent developments in hydrographic instrumentation and training programmes, describes new survey vessels, etc. Charts and publications issued by Hydrographic Offices are listed each month, and there is a comprehensive monthly bibliography on hydrography and related subjects. (Trilingual English, French, Spanish).

P-5 IHO Yearbook

Particulars and addresses of Hydrographic Offices throughout the world. Published every year. (Bilingual English/French).

MISCELLANEOUS PUBLICATIONS

M-4 Chart Specifications of the IHO and Regulations of the IHO for International (INT) Charts

Gives chart specifications of the IHO for compiling nautical charts, together with agreed symbols and abbreviations adopted for general use by Member States (English, French and Spanish Editions).

M-5 Standards of Competence for Hydrographic Surveyors - 7th Edition
Describes the Standards for which recognition may be given to
programmes of hydrographic training at Category A or B levels. Outlines
procedures for submission, documentation, etc. and complete syllabi.
(English, French and Spanish).

M-11 Catalogue of International Charts and Guidance for Regional Coordinators of INT Chart Schemes

Describes by means of indexes, texts and chartlets, the IHO International Chart Series at large, medium and small scales and provides directions to assist coordinators in following the principles established for INT charts schemes.

SPECIAL PUBLICATIONS

- S-32 Hydrographic Dictionary. Definition of words and terms used in hydrography and associated activities (English and French Editions). Spanish in preparation.
- S-47 Training Courses in Hydrography and Nautical Cartography
 Lists the training courses available on hydrography and nautical
 cartography in Member States' Hydrographic Offices and elsewhere in
 their countries. (English only).
- S-50 IHO Tidal Constituent Bank Station Catalogue
 Catalogue of stations for which tidal constituents data is held by the
 Canadian Hydrographic Service on behalf of the IHO. Includes a floppy
 disk. (Trilingual, English, French and Spanish).
- S-51 Manual on Technical Aspects of the UN Convention on the Law of the Sea
 Glossary of technical terms with a description of practical applications to boundary delimitation. (English and French). Spanish in preparation.
- S-52 Provisional Specifications for Chart Content and Display of Electronic Chart Display and Information Systems (ECDIS)
 Provisional Specifications prepared by COE Working Group on ECDIS. (English, French and Spanish). Appendices:
 Appendix 1 Guidance on Updating the Electronic Chart.
 Appendix 2 Specifications for ECDIS Colours and Symbols.
 - Annex A IHO ECDIS Presentation Library Appendix 3 - Glossary of ECDIS related Terms
- S-57 IHO Transfer Standard for Digital Hydrographic Data
 Standard prepared by the IHO's Committee on the Exchange of Digital
 Data (CEDD), for the coding and exchange of hydrographic digital data,
 including that intended for ECDIS purpose. (English only).
- S-59 Status of Hydrographic Surveying and Nautical Charting in Antarctica

 A catalogue showing the extent of surveys, charting and oceanic bathymetry for the area south of 60°S latitude based on information provided by IHO Member States. (Bilingual English/French).
- S-60 User's Handbook on Datum Transformations involving WGS-84 Contains constants and formulas to relate local/regional geodetic datums to the WGS-84. (English and French).

BATHYMETRIC PUBLICATIONS

- B-1 General Bathymetric Chart of the Oceans (GEBCO) 5th Edition A series of 18 separate sheets in colour (75 x 110 cm) covering the world, plus one World Sheet in colour (100 x 126 cm).
- **B-4** Information Concerning Recent Bathymetric Data. Issued annually, this publication lists, for the previous 12 months, information concerning recent bathymetric data. (Bilingual English/French).
- B-6 Standardization of Undersea Feature Names (Guidelines, Proposal Form, Terminology). This publication is intended to ensure maximum standardization of the names of undersea features (English/French, Spanish, Russian, Japanese and Chinese Editions).
- **B-7 GEBCO Guidelines.** This IHO-IOC publication, published by the IHB through collaboration between the IHO and the IOC under the aegis of the Joint IHO-IOC Guiding Committee for GEBCO, describes the role of each participant involved in the production of GEBCO. (English and French Editions).

These publications as well as a free catalogue and information papers are available from:

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INTERNATIONAL HYDROGRAPHIC ORGANIZATION

Xvth INTERNATIONAL HYDROGRAPHIC CONFERENCE

Monaco, 14-25 April 1997

The XVth International Hydrographic Conference will take place in Monaco, between Monday, 14 April and Friday, 25 April 1997. The Opening Ceremony will be held on Monday, 14 April and it is expected that HSH Prince Rainier will participate. Secretary General William O'Neil of the International Maritime Organization will present the opening address.

The Conference will be held in the Centre de Congrès-Auditorium of Monaco. Apart from the business meetings of the Organization, there will be an Exhibition of Charts, a Commercial Exhibition of Hydrographic and Cartographic Equipment and a Technical Symposium. The latter two events will take place during the second week, from 21-24 April.. Several research and survey vessels of the IHO Member States will be on display during the Conference.

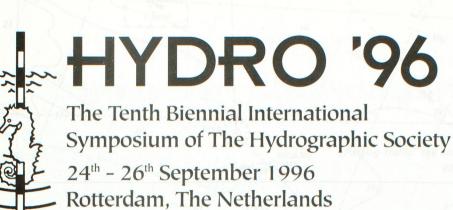
The Conference is the most important event of the IHO and all its 61 Member States are expected to be present to review the past accomplishments and current activities of the Organization and to discuss its future objectives and work programmes.

For further information, please contact:

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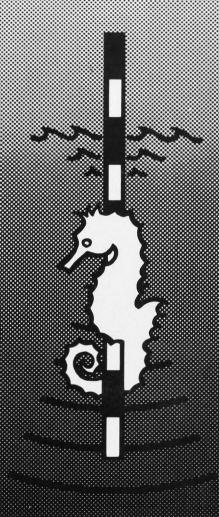
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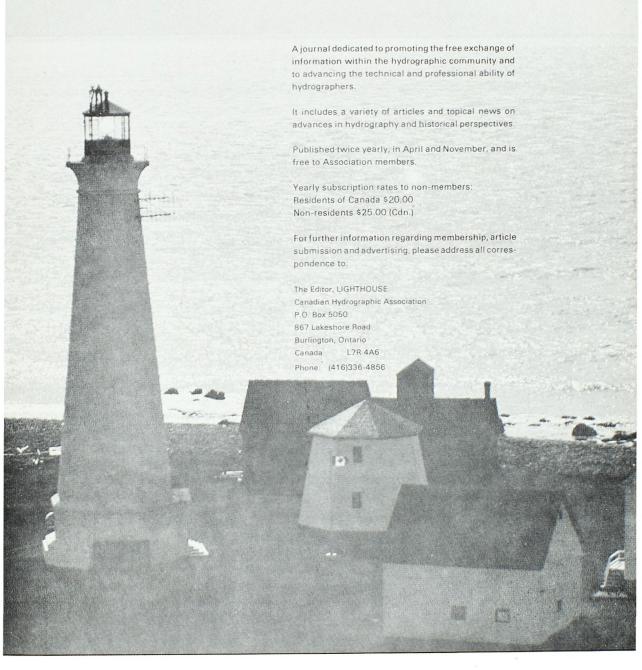
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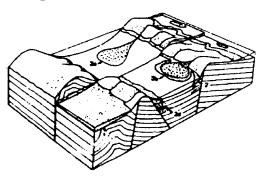
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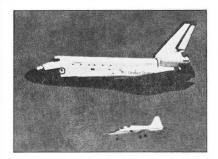
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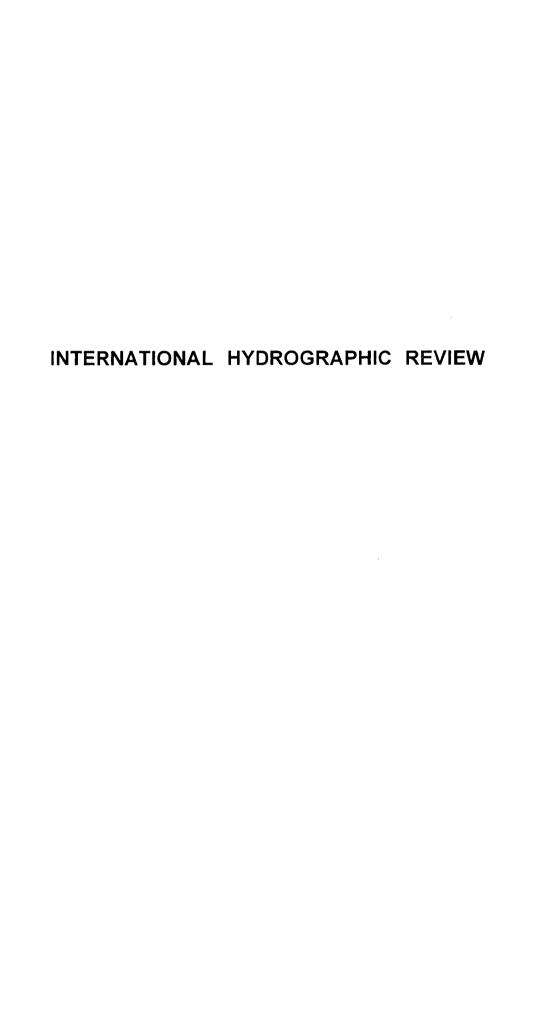
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FOREWORD

The International Hydrographic Review is published twice a year (March and September) in separate English and French editions.

Original articles are welcomed on hydrography, oceanography, cartography, geodesy, navigation, photogrammetry, radio aids, automation, new instruments, equipment and hydrographic vessels, as well as on the history and organization of hydrographic offices.

The latest date for receipt of manuscripts is:

- 1 October for the March issue.
- 1 May for the September issue,

but earlier submission greatly facilitates the work of preparing translations.

Articles should be addressed to: The Directing Committee, International Hydrographic Bureau, B.P. 445, MC 98011 MONACO Cedex (Principality of Monaco).

Up to 50 reprints per article can be supplied free to the author(s). They must be ordered prior to publication, and may be in either language or a proportion in each. Further copies ordered are charged at cost price, plus postage.

The Directing Committee does not hold itself responsible for statements or opinions expressed by contributors to the Review. It is the normal practice that articles are accepted based on external reviewers.

Notes for contributors

Papers should be as concise as possible and an abstract of up to 150 words is desirable. Uncommon expressions or constructions and particularly professional jargon should be avoided since a large proportion of readers are necessarily reading the Review in a language that is not their mother tongue.

Any permission needed to incorporate material published elsewhere is the responsibility of authors, and it will be assumed that such permission has been obtained.

Texts should be submitted in English or French (or both), though by special arrangement articles in Spanish could be accepted for translation in the Bureau.

Articles should preferably be provided in floppy disk, operative system MSDOS 5.0 or inferior and Wordperfect 5.1 software or compatible. The floppy disk should be accompanied by a typed copy of the article.

Bibliographic references should be listed at the end of the article in the standard Harvard form. Footnotes should be kept to a minimum, and metric measures used throughout.

Illustrations, already numbered and titled, should be supplied ready for reproduction by the offset method and for reduction to 12.5 x 21 cm, the effective size of a Review page. Positive transparencies (repromats) are preferred. Photographs should be black and white with good definition and be limited to those necessary for an understanding of the text. Colour transparencies cannot be accepted. Coloured photographs and plates can only be accepted under special terms that must be discussed directly with the Editor. Reproduction of charts and maps must provide clear definition of the features to be portrayed.

As the Review is a two-language publication a minimum of wording should be shown on the illustrations themselves, explanations being confined to the legend beneath.

Printer's proofs are corrected in the Bureau and are not normally sent to authors.

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