

# **THE HYDROGRAPHIC REVIEW**

The Directing Committee of the INTERNATIONAL HYDROGRAPHIC BUREAU will be pleased to consider articles for insertion in the *Hydrographic Review*. Such articles should be addressed to

INTERNATIONAL HYDROGRAPHIC BUREAU

Quai de Plaisance

MONTE-CARLO

(Principality of Monaco).

and should reach the Bureau not later than 1st February or 1st August for the May or November numbers respectively.

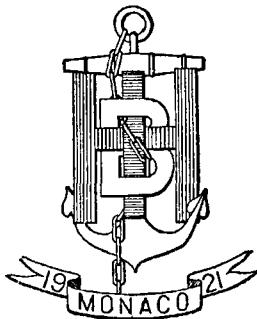
---

The Directing Committee is not responsible for statements made or opinions expressed in articles or papers published in this Review, which are written by Authors who are not members of the Directing Committee or of the Staff of the International Hydrographic Bureau.

THE  
**HYDROGRAPHIC  
REVIEW**

**Vol. XVIII**

**N° 2**



(N° 36 OF THE SERIES)

PUBLISHED BY

THE

**INTERNATIONAL HYDROGRAPHIC BUREAU**

**Quai de Plaisance, Monte-Carlo**

**MONACO**

PRINCIPALITY



**NOVEMBER 1941**

—

**IMPRIMERIE MONEGASQUE  
MONTE-CARLO**

# INTERNATIONAL HYDROGRAPHIC BUREAU

---

## LIST OF STATES WHICH ARE MEMBERS OF THE BUREAU

---

ARGENTINA	FRANCE
BRAZIL	MONACO
BRITISH EMPIRE	POLAND
UNITED KINGDOM	PORTUGAL
AUSTRALIA	SPAIN
CHINA	SWEDEN
DENMARK	THAILAND
EGYPT	UNITED STATES OF AMERICA
	URUGUAY

## DIRECTING COMMITTEE

---

*President :* Vice-Admiral J.D. NARES, D.S.O., Royal British Navy (retired).

*Directors*     { Ingénieur Hydrographe Général en retraite (retired)  
                         P. DE VANSSAY DE BLAVOUS, Marine Française.  
                         Rear-Admiral LAMAR R. LEAHY, U. S. Navy (retired).

---

# TABLE OF CONTENTS

---

	Pages
Captain Abel FONTOURA DA COSTA (1871-1940) .....	6
Precise Determination of the Givry Correction (M.A. GOUGENHEIM) .....	9
Note on the Plotting of Bearings on the Mercator Chart (1829) (M. GIVRY).....	16
Note on the Calculation of the Position at sea (M.A. GOUGENHEIM) .....	18
Preparative Tables for the Determination of Longitude (time) by the method of Equal Altitudes of various Stars. Calculated and published by the Hydrographic Department of the Imperial Japanese Navy, Tokyo, (1921-1940) (A review) (H. BENCKER) .....	29
Misura delle Distanze con il metodo della "Piccola Base", nel relieve a scale a Grande Denominatore. (Measurement of Distances by the "Short-Base" Method in Surveys on Scales with a large denominator (Small-Scale Surveys) (A. GUIDUCCI) .....	43
Theories of the Origins of the Cañyons (Extract from "Continental Slopes and Shelves") (O.T. JONES) .....	53
The Fifth Commission of the R.R.S. "Discovery II" (N.A. MACKINTOSH) ....	59
Fog Investigations .....	68
Annual Report of the Director of the Department of Terrestrial Magnetism (1939-40), Washington (Carnegie Institution) .....	70
Deflection of the Vertical in Tahiti (M.A. GOUGENEIM) (P. V.) .....	73
Submarine mountains in the Gulf of Alaska (H.W. MURRAY), Washington (P. V.)	74
Soundings in the Pacific Ocean (P. V.) .....	77
Tafeln zur Übertragung Geographischer Koordinaten auf dem Internationalen Erdellipsoide im Bereich 35° bis 71° Breite - Helsinki, 1941 (P. V.). (Tables for the conversion of the Geographic coordinates of the International Ellipsoid between Latitudes 35° and 71°) (P. V.) .....	80
Bulletin de l'Institut Océanographique, Paris, N° 764, 766, 779, 781, 784 and 791, Monaco (1939-1940) (P. V.) .....	81
Investigation of the Microseismic Disturbance and its variations (P. Bernard), Paris (P. V.) .....	82
Table of the Stereographic Polar Projection between Latitudes 39° to 51°. (P. DE VANSSAY DE BLAVOUS) .....	83
Index of Articles contained in the Hydrographic Review, Volumes XIII to XVIII inclusive (years 1936 to 1941 inclusive) .....	89

---