

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:

The Secretary-General,
INTERNATIONAL HYDROGRAPHIC BUREAU,
Quai de Plaisance

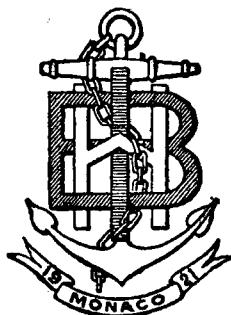
MONTE-CARLO
(Principality of Monaco).

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

THE
HYDROGRAPHIC
REVIEW

VOL. XII

No 1



(No. 23 OF THE SERIES)

PUBLISHED BY
THE

INTERNATIONAL HYDROGRAPHIC BUREAU

Quai de Plaisance, Monte-Carlo

MONACO
(PRINCIPALITY)



MAY 1935

IMPRIMERIE F. ROBAUDY
24, RUE HOCHE, - CANNES

INTERNATIONAL HYDROGRAPHIC BUREAU

LIST OF STATES WHICH ARE MEMBERS OF THE BUREAU

ARGENTINA	GREECE
BRAZIL	JAPAN
BRITISH EMPIRE	MONACO
UNITED KINGDOM	NORWAY
AUSTRALIA	POLAND
CHINA	PORTUGAL
DENMARK	SIAM
ECUADOR	SPAIN
EGYPT	SWEDEN
FRANCE	UNITED STATES OF AMERICA

DIRECTING COMMITTEE

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

Directors { Ingénieur Hydrographe Général de réserve
 P. DE VANSSAY DE BLAVOUS (Marine Française).
 Rear-Admiral A. T. LONG, U. S. Navy (retired).

SECRETARY GENERAL

Commander G. B. SPICER-SIMSON, D. S. O., Royal British Navy (retired)

LIST OF CONTENTS

	<i>Pages</i>
Baron Adrien de GERLACHE de GOMERY.....	7
A Standardised Form of Notices to Mariners.....	8
The use of Aviation in Surveying (P. de VANSSAY).....	13
False Echoes in deep water (J. A. EDGEWELL).....	19
Sand Waves in the North Sea (J. VAN VEEN).....	21
The Portrayal of the floor of the North Pacific Ocean (C. B. MAYO).....	30
A suggested Totalising Anemometer for oceanographers (J. N. CARRUTHERS).....	33
Instruments for observing Equal Altitudes in Astronomy (E. CHANDON and A. GOUGENHEIM).....	39
Recent progress in Hydrographic Surveying (G. T. RUDE)	122
Measurements of Dip of Horizon from S.S. <i>Arucas</i> in May 1933 (H. MICHLER).....	127
Gravity determinations on the <i>Carnegie</i> (S. E. FORBUSH).....	134
Salinity and Water Movement in the Suez Canal (G. WÜST).....	137
Astronomical Refraction in history (J. H. de LEEUW).....	142
 INSTRUMENTS :	
New small WILD Theodolite.....	148
Taut Wire Measuring Apparatus (H. A. SERAN).....	152
Evaporated Metal Mirrors.....	154
Micrometer Hydrographic or Survey Sextant.....	154
HUSUN improved Bubble Sextant	155
Graduation of Precision Circles.....	156
IDRAC Apparatus for measuring Vertical Submarine Currents (P. IDRAC).....	158
MARCONI's Wireless Pilot.....	159
 PRACTICAL HINTS FOR HYDROGRAPHIC SURVEYORS :	
The small LUCAS Sounding Machine (J. Th. VERSTELLE).....	161
Method of improving poor quality Lead-Line (W. J. CHOYAN).....	164
Plotting Three Point Fixes without the use of a Protractor (L. D. GRAHAM).....	164
 EXTRACTS AND REVIEWS OF BOOKS :	
<i>Triangulação e Levantamento da Carta da Ilha do Príncipe</i> (J. A. CAPÉLO).....	167
<i>Sounding Velocities in the Pacific</i> (F. M. SOULE).....	167
<i>Annaes Hydrographicos</i> (Brazil).....	168
<i>Mapping the Ocean Floor</i> (G. T. RUDE).....	169
<i>On the Graduation Errors of Circles used in geodetic operations</i> (J. BAILLAUD).....	170
J. F. CAMPBELL, 1822-85, and his Refracting Quadrant (R. T. GUNTHER).....	170

EXTRACTS AND REVIEWS OF BOOKS (continued) :

<i>Données numériques concernant les Marées des Côtes de France</i> (A. COURTIER).....	171
<i>On the existence of a Sub-surface Tide in the Western Mediterranean</i> (F. M. NAVARRO).....	172
<i>Interne Gezeiten-Wellen</i> (O. PETTERSSON).....	172
<i>Currents of the North Sea</i>	173
<i>Über Stromunruhe</i> (H. THORADE).....	174
<i>Aggregation of Stationary Current Overfalls in the waters of North-West Africa</i> (E. RÖMER).....	175
<i>On the use of Yellow-tinted Glasses in the design of Maritime or Aviation Lighthouses</i> (A. BLONDEL).....	176
<i>Tiefseebuch</i>	177
<i>Fisicheskaya Okeanografiya, Uchebnik dlya Universitetov</i> (J. SCHOKALSKY).....	178
<i>Résultats des Campagnes scientifiques du Prince de Monaco</i>	179
<i>Mehrsprachiges Wörterbuch für Photogrammetrie</i>	179
<i>Historical remarks concerning the Reykjanaes-Ryg</i> (C. F. WANDEL).....	179
<i>Hydrographic Data</i> (G. T. RUDE).....	181
<i>Deep Sea Dives with the Bathysphere</i>	182
<i>Great Sea Waves</i> (R. P. WHITEMARSH).....	182

HYDROGRAPHIC BIBLIOGRAPHY :

I. <i>Books of Reference</i>	189
II. <i>Documentary Bibliography</i>	191

