

# INTERNATIONAL HYDROGRAPHIC BIBLIOGRAPHY

(Bibliographie Hydrographique Internationale)

---

## 1. — BOOKS OF REFERENCE OUVRAGES DE REFERENCE

---

### CARTOGRAPHY — CARTOGRAPHIE

6018. — *Surveying - (Les levés)*. Charles B. BREED and Alexander J. BONE. 5 × 7 1/4 inches, xvii + 495 pp., ill. John Wiley & Sons, Inc. New York, 1957. Pr. : \$ 5.50. (Cf. *Surveying and Mapping*, Washington 4, D.C., Vol. XVIII, No. 1, January-March 1958, p. 94).

(Intern. Hydrog. Review, Nov. 1958).

6019. — *Surveying - (Les levés)*. William Horace RAYNER and Milton O. SCHMIDT. 916 pages. D. Van Nostrand Company, Inc., Princeton, New Jersey, 1957. Pr. : \$ 8.50. (Cf. *Surveying and Mapping*, Washington 4, D.C., Vol. XVIII, No. 1, January-March 1958, pp. 95-96).

(Intern. Hydrog. Review, Nov. 1958).

6020. — *Route-Mapping and Position-Locating in Unexplored Regions - (Levés d'itinéraires et détermination de la position dans les régions inexplorées)*. W. FILCHNER, E. PRZYBYLLOK, and T. HAGEN. 288 pages. Academic Press Inc., New York, 1957.

(Intern. Hydrog. Review, Nov. 1958).

---

### ECHO SOUNDING — SONDAGE ACOUSTIQUE

6021. — *Fundamentals of Sonar - (Principes fondamentaux du Sonar)*. J.W. HORTON. 11 × 8.3 in., pp. 387, frontispiece and diagrams. United States Naval Institute, Annapolis, Maryland, 1957. Pr. : \$ 10. (Cf. *The Journal of The Institute of Navigation*, London, Vol. XI, No. 1, January 1958, p. 113).

(Intern. Hydrog. Review, Nov. 1958).

---

### NAVIGATION

6022. — *Navigation - (Navigation)*. H.C. FREIESLEBEN (in conjunction with R. HÖPFNER and G. ROEDIGER). 6.2 × 9.2 in., 299 pages, 280 ill. Matthiesen-Verlag, Hamburg, 1957. (Cf. *The Journal of the Institute of Navigation*, London, Vol. XI, No. 1, January, 1958, pp. 112-113).

(Intern. Hydrog. Review, Nov. 1958).

---

**AUTOMATIC COMPUTERS — MACHINES A CALCULER AUTOMATIQUES**

6023. — *Principes des Calculatrices Numériques Automatiques* (Monographies Dunod) - (*Principes of Automatic Digital Computers*). P. NASLIN. 6 3/4 in. × 4 1/2 (17 × 11.5 cm). Pp. x + 224. Dunod, Paris, 1958, Pr. : 980 francs. (Cf. *Nature*, London, Vol. 181, No. 4622, May 31, 1958, p. vi).

(*Intern. Hydrog. Review*, Nov. 1958).

6024. — *The Preparation of Programs for an Electronic Digital Computer* - (*La préparation des programmes pour les machines à calculer électroniques*). Second édition (Addison-Wesley Mathematical Series). 9 in. × 6 in. (23 × 15.5 cm). Pp. xiv + 238. Reading, Mass. : Addison-Wesley Publishing Company, Inc.; London : Academic Books, Ltd., 1957. Pr. : 60 s. (Cf. *Nature*, London, Vol. 181, No. 4622, May 31, 1958, p. vi).

(*Intern. Hydrog. Review*, Nov. 1958).

**RADIO AIDS TO NAVIGATION — AIDES RADIO A LA NAVIGATION**

6025. — *Fundamental Principles of Transistors* - (*Principes fondamentaux des transistors*). Dr. J. EVANS. Pp. xii + 255. London : Heywood and Company, Ltd., 1957. Pr. : 45 s. net. (Cf. *Nature*, London, Vol. 181, No. 4617, April 26, 1958, p. 1168).

(*Intern. Hydrog. Review*, Nov. 1958).

6026. — *Transistor Electronics* - (*Electronique des transistors*). David DEWITT and Arthur L. ROSSOFF. Pp. xii + 381. London : McGraw-Hill Publishing Company, Ltd., 1957. Pr. : 60 s. (Cf. *Nature*, London, Vol. 181, No. 4617, April 26, 1958, p. 1168).

(*Intern. Hydrog. Review*, Nov. 1958).

6027. — *Progress in Semiconductors*, Vol. 2 - (*Progrès dans les semi-conducteurs*, Vol. 2). Edited by (*Edité par*) Dr. Alan F. GIBSON, Prof. R.E. Burgess and Prof. P. AIGRAIN. Pp. vii + 280. London : Heywood and Company, Ltd., 1957. Pr. : 63 s. net. (Cf. *Nature*, London, Vol. 181, No. 4617, April 26, p. 1168).

(*Intern. Hydrog. Review*, Nov. 1958).

6028. — *Semiconductor Abstracts*, Vol. 3 - 1955 Issue - (*Abrégés sur les semi-conducteurs*, Vol. 3 - Edition 1955). Compiled by Battelle Memorial Institute. Edited by E. PASKELL (Rédigé par le Battelle Memorial Institute, Edité par E. PASKELL). (Abstracts of Literature on Semiconducting and Luminescent Materials and their Applications) - (*Abrégés des ouvrages sur les matériaux luminescents et semi-conducteurs, et leurs applications*). Pp. viii + 322. New York : John Wiley and Sons, Inc.; London : Chapman and Hall, Ltd., 1957, Pr. : 80 s. net. (Cf. *Nature*, London, Vol. 181, No. 4617, April 26, 1958, p. 1168).

(*Intern. Hydrog. Review*, Nov. 1958).

6029. — *Conferenza Internazionale per la disciplina dell'uso del Radar nella Navigazione Marittima* - Atti Ufficiali - Genova, 16-19 Maggio 1957 - (*International Conference on the use of Radar in Marine Navigation* - Official Proceedings - Genoa, 16-19 May, 1957 — *Conférence Internationale pour l'usage du radar en navigation maritime* - Actes officiels - Gênes, 16-19 mai 1957). 24 × 17 cm, 450 p. Civico Istituto Colombiano, Genova.

(*Intern. Hydrog. Review*, Nov. 1958).

6030. — *Radar Observer's Handbook for Merchant Navy Officers* - (*Manuel de l'observateur Radar pour les officiers de la Marine Marchande*). W. BURGER. 8 1/2 × 5 3/4 in., pp. xii + 155, illus. Brown, Son & Ferguson, Ltd.,

Glasgow, 1957. Pr. : 16 s. (Cf. *The Marine Observer*, London, Vol. XXVIII, No. 181, July 1958, pp. 155-156).

(*Intern. Hydrog. Review*, Nov. 1958).

---

## OCEANOGRAPHY — Océanographie

6031. — *Oceanographic Data from the R.R.S. Discovery II*. International Geophysical Year, Cruises One and Two, 1957 - (*Résultats océanographiques du R.R.S. Discovery II*, Année Géophysique Internationale, Croisières n° 1 et 2, 1957). L.V. WORTHINGTON. 28 × 22 cm, 152 pp. W.H.O.I. Reference No. 58-30. National Institute of Oceanography, Surrey, England and Woods Hole Oceanographic Institution, Woods Hole, Massachusetts, U.S.A., June 1958.

(*Intern. Hydrog. Review*, Nov. 1958).

---

## GEODESY — Géodésie

6032. — *Nachrichten aus dem Karten- und Vermessungswesen - Reihe II : Deutsche Beiträge in fremden Sprachen, Heft nr. 1 - (Information relative to Cartography and Geodesy - Series II : German Contributions in Foreign Languages, Number 1 : The Adjustment of Worldwide Triangulations - The Adjustment of Network of Measured Distances — Renseignements sur la Cartographie et la Géodésie - Série II : Contributions allemandes en langues étrangères, N° 1 : Compensation des triangulations mondiales - Compensation du réseau de distances mesurées)*. H. WOLF. 24 × 17 cm, 50 pp. Institut für Angewandte Geodäsie, Frankfurt a. M., 1957.

(*Intern. Hydrog. Review*, Nov. 1958).

---

## GEOGRAPHICAL NAMES — Noms géographiques

6033. — *The Rendering of Geographical Names - (La traduction des noms géographiques)*. M. AUROUSSEAU. 7.2 × 4.7 in., pp. 148 + ix, ill. Hutchinson (Home University Library). Pr. : 10 s. 6 d. (Cf. *The Journal of the Institute of Navigation*, London, Vol. XI, No. 1, January, 1958, pp. 114-115).

(*Intern. Hydrog. Review*, Nov. 1958).

---

## II. — DOCUMENTARY BIBLIOGRAPHY Bibliographie documentaire

---

### CARTOGRAPHY — Cartographie

6034. — *Map of Coastal Landforms of the World - (Carte des formes du relief des côtes du monde)*. John T. MCGILL. *Geographical Review*, New York, Vol. XLVIII, No. 3, July 1958, pp. 402-405.

(*Intern. Hydrog. Review*, Nov. 1958).

6035. — *Radio in River Surveys - (La radio dans les levés de rivières)*. Omega H. SHAMBLIN. *The Military Engineer*, Washington, D.C., Vol. XLIX, No. 331, September-October 1957, pp. 336-337.  
(*Intern. Hydrog. Review*, Nov. 1958).
6036. — *The Use of Type in Cartography - (L'emploi des caractères en cartographie)*. John S. KEATES. *Surveying and Mapping*, Washington 4, D.C., Vol. XVIII, No. 1, January-March 1958, pp. 75-76.  
(*Intern. Hydrog. Review*, Nov. 1958).

---

## TIDES & CURRENTS — MARÉES ET COURANTS

6037. — *Sea Currents off the Northumberland Coast - (Courants marins au large de la côte du Northumberland)*. Frank EVANS. *Journ. Mar. Biol. Assoc. U.K.*, Vol. 36, 1957, pp. 493-499. (Cf. Contribution No. 6 from the Dove Marine Laboratory, Cullercoats).  
(*Intern. Hydrog. Review*, Nov. 1958).
6038. — *Carruthers current meter and wire angle gage - (Le courantomètre et inclinomètre à fil Carruthers)*. Proceedings of 1st Conference on Coastal Engineering Instruments at Berkeley, California, 31 Oct. to 2 Nov. 1955, pp. 255-259. J.N. CARRUTHERS. (Cf. *Collected Reprints*, Volume 5, No. 164. National Institute of Oceanography, Wormley, near Godalming, Surrey, England, December 1957).  
(*Intern. Hydrog. Review*, Nov. 1958).

---

## HYDROGRAPHIC INSTRUMENTS INSTRUMENTS HYDROGRAPHIQUES

6039. — *The Evolution of Surveying Instruments - (L'évolution des instruments de levé)*. R.S. BURNSIDE, Jr. *Surveying and Mapping*, Washington, Vol. XVIII, No. 1, January-March 1958, pp. 59-63.  
(*Intern. Hydrog. Review*, Nov. 1958).
6040. — *The Tellurometer System of Distance Measurement - (Le Telluromètre, procédé de mesure de distances)*. T.L. WADLEY. *Empire Survey Review*, London, No. 106, Vol. XIV, October, 1957, pp. 146-160.  
(*Intern. Hydrog. Review*, Nov. 1958).
6041. — *The Tellurometer for Control Surveys - (Le Telluromètre pour les levés)*. John H. BRITAIN. *The Military Engineer*, Washington, Vol. 50, No. 334, March-April 1958, pp. 102-103.  
(*Intern. Hydrog. Review*, Nov. 1958).

---

## NAUTICAL ASTRONOMY — ASTRONOMIE NAUTIQUE

6042. — *A Radio Telescope - (Un télescope radio)*. John FIROR. A reprint of *QST*, September 1957, 5 pages, 11 figs.  
(*Intern. Hydrog. Review*, Nov. 1958).

6043. — *Le problème de l'invariabilité de la distance zénithale dans la méthode des hauteurs égales - (The problem of the invariability of zenithal distance in the equal-altitude method)*. E. BUCAR. *Geodezja i Kartografia*, Warszawa, Tom VII, No. 1, 1958, pp. 3-11.  
(*Intern. Hydrog. Review*, Nov. 1958).
6044. — *Circum-Meridian Altitudes - (Hauteurs circumméridiennes)*. A. THOM. *Empire Survey Review*, London, No. 106, Vol. XIV, October, 1957, pp. 170-175.  
(*Intern. Hydrog. Review*, Nov. 1958).
6045. — *Polaris and the Meridian - (La Polaire et le Méridien)*. Charles J. MENDINGER. *The Military Engineer*, Washington, D.C., Vol. 50, No. 335, May-June 1958, pp. 192-196.  
(*Intern. Hydrog. Review*, Nov. 1958).

---

### NAUTICAL INSTRUMENTS — INSTRUMENTS NAUTIQUES

6046. — *A Shipborne Wave Recorder - (Un enregistreur de vague de bord)*. M.J. TUCKER. *Transactions of the Institution of Naval Architects*, London, Vol. 98, 1956, pp. 236-250. (Cf. *Collected Reprints*, Vol. 5, No. 167. National Institute of Oceanography, Wormley, near Godalming, Surrey, England, December 1957).  
(*Intern. Hydrog. Review*, Nov. 1958).

---

### AUTOMATIC COMPUTERS MACHINES A CALCULER AUTOMATIQUES

6047. — *Electronic Computations for Hydrographic Surveys - (Calculs électroniques pour les levés hydrographiques)*. Benjamin E. BEAVIN, Sr. *The Military Engineer*, Washington, D.C., Vol. 50, No. 335, May-June 1958, p. 173.  
(*Intern. Hydrog. Review*, Nov. 1958).

---

### RADIO AIDS TO NAVIGATION — AIDES RADIO A LA NAVIGATION

6048. — *An Improved Hydrographic Survey Radar - (Un radar perfectionné pour les levés hydrographiques)*. D.M. HALL, P.H. BARKER, N.D. ANDERSON. *The Journal of the Institute of Navigation*, London, Vol. XI, No. 1, January, 1958, pp. 95-97.  
(*Intern. Hydrog. Review*, Nov. 1958).
6049. — *Two-range Decca as an Aid to Hydrography - (Le Decca à mesure de deux distances comme aide à l'hydrographie)*. G. POWELL. *The Journal of the Institute of Navigation*, London, Vol. XI, No. 1, January, 1958, pp. 88-94.  
(*Intern. Hydrog. Review*, Nov. 1958).
6050. — *Long-distance Radio Propagation above 30 Mc./s. - (Propagation Radio à longue distance au-dessus de 30 Mc/s)*. J.A. SAXTON. *Nature*, London, Vol. 181, No. 4617, April 26, 1958, pp. 1184-1187.  
(*Intern. Hydrog. Review*, Nov. 1958).

6051. — *Influence of the Semi-Permanent Low-Level Ocean Duct on Centimetre Wave Scatter Propagation beyond the Horizon - (Influence de la présence de l'Océan comme conducteur semi-permanent faible sur la propagation de la diffusion des ondes centimétriques au-delà de l'horizon)*. F.A. KITCHEN, W.R.R. JOY and E.G. RICHARDS. *Nature*, London, Vol. 182, No. 4632, August 9, 1958, pp. 385-386.

(Intern. Hydrog. Review, Nov. 1958).

6052. — *Role of Turbulent Scattering in Long-Distance Radio Propagation at Metre Wave-Lengths - (Rôle de la diffusion turbulente dans la propagation radio à longue distance des ondes métriques)*. F.A. KITCHEN and Dr. M.A. JOHNSON. *Nature*, London, Vol. 182, No. 4631, August 2, 1958, pp. 302-304.

(Intern. Hydrog. Review, Nov. 1958).

6053. — *Radargeodesia - La velocità di propagazione delle onde elettromagnetiche e la determinazione del coefficiente di rifrazione dell'aria - (Radargeodesy : velocity of propagation of electromagnetic waves and determination of coefficient of refraction of air) - (Radargéodésie : La vitesse de propagation des ondes électromagnétiques et la détermination du coefficient de réfraction de l'air)*. Sergio SALMASO. *Bollettino di Geodesia e Scienze Affini*, Firenze, Anno XVII, No. 1, Gennaio-Febrero-Marzo 1958, pp. 57-99.

(Intern. Hydrog. Review, Nov. 1958).

6054. — *Some effects of the fine structure of the ionosphere on transmissions received from the Russian earth satellite 1958 - (Quelques effets de la partie élevée de l'ionosphère sur les transmissions reçues du satellite russe 1958)*. F.A. KITCHEN and W.R.R. JOY. *Nature*, London, Vol. 181, No. 4613, June 28, 1958, pp. 1759-1761.

(Intern. Hydrog. Review, Nov. 1958).

6055. — *Electrodynamical Behaviour and Screening Effect of the Ionosphere - (Comportement électrodynamique et effet d'écran de l'ionosphère)*. Tomiya WATANABE. *The Science Reports of the Tôhoku University*, Sendai, Japan, Fifth Series, Geophysics, Vol. 9, No. 2, October 1957, pp. 81-98.

(Intern. Hydrog. Review, Nov. 1958).

6056. — *The Distribution of the Electrical Conductivity in the Ionosphere and its Variations - (La distribution de la conductibilité électrique dans l'ionosphère et ses variations)*. Hiroshi KAMIYAMA & Teruyuki SATO. *The Science Reports of the Tôhoku University*, Sendai, Japan, Fifth Series, Geophysics, Vol. 9, No. 2, October 1957, pp. 55-80.

(Intern. Hydrog. Review, Nov. 1958).

---

## MARITIME METEOROLOGY — MÉTÉOROLOGIE MARITIME

6057. — *Change in the Relationship Between Wind and Surface Water Movement at Higher Wind Speeds - (Variation dans les relations entre le vent et les mouvements d'eau de surface pour les grandes vitesses de vent)*. A.L. LAWFORD and V.F.C. VELEY. *Transactions, American Geophysical Union*, Vol. 37, No. 6, December, 1956, pp. 691-693. (Cf. *Collected Reprints*, Vol. 5, No. 178, National Institute of Oceanography, Wormley, near Godalming, Surrey, England, December 1957.

(Intern. Hydrog. Review, Nov. 1958).

6058. — *A determination of the relation between wind and sea-surface drift - (Détermination de la relation entre le vent et la dérive de surface en mer)*. P. HUGHES. *Quarterly Journal of the Royal Meteorological Society*, Vol. 82, No. 354, October 1956, pp. 494-502. (Cf. *Collected Reprints*, Volume 5, No. 181, National Institute of Oceanography, Wormley, near Godalming, Surrey, England, December 1957).

(*Intern. Hydrog. Review*, Nov. 1958).

6059. — *Illustrated Ice Glossary, Part 2 - (Glossaire des glaces illustré, 2<sup>e</sup> partie)*. Terence Armstrong and Brian Roberts. *The Polar Record*, Cambridge, Vol. 9, No. 59, May 1958, pp. 90-96.

(*Intern. Hydrog. Review*, Nov. 1958).

---

## OCEANOGRAPHY — OCÉANOGRAPHIE

6060. — *General Features of the Oceans - (Caractères généraux des Océans)*. Richard H. FLEMING. *Memoir 67*, Vol. 1, 1957, Geolog. Soc. America, pp. 87-108, 10 figs.

(*Intern. Hydrog. Review*, Nov. 1958).

6061. — *Oceanography in the International Geophysical Year - (Océanographie au cours de l'Année Géophysique Internationale)*. G.E.R. DEACON. *The Marine Observer*, London, Vol. XXVII, No. 175, January, 1957, pp. 33-36. (Cf. *Collected Reprints*, Vol. 5, No. 184, National Institute of Oceanography, Wormley, near Godalming, Surrey, England, December 1957).

(*Intern. Hydrog. Review*, Nov. 1958).

6062. — *Nuclear Energy Developments and Oceanography - (Développements de l'énergie nucléaire et océanographie)*. *Nature*, London, Vol. 181, No. 4625, June 21, 1958, pp. 1685-1686.

(*Intern. Hydrog. Review*, Nov. 1958).

---

## GEODESY — GÉODÉSIE

6063. — *Geodesy - Foundation for National Mapping - (La Géodésie - Base de la cartographie nationale)*. A.L. SHALOWITZ. *The Military Engineer*, Washington, D.C., Vol. XLIX, No. 331, September-October 1957, pp. 355-358.

(*Intern. Hydrog. Review*, Nov. 1958).

6064. — *Procédés classiques et contemporains d'estimation de l'exactitude d'une compensation par la méthode des observations indirectes - (Conventional and contemporary procedures in estimating adjustment accuracy by method of indirect observations)*. V. CHRISTOW. *Geodezja i Kartografia*, Warszawa, Tom VII, No. 1, 1958, pp. 12-33.

(*Intern. Hydrog. Review*, Nov. 1958).

6065. — *L'étude de la méthode de détermination simultanée des coordonnées géographiques et de l'azimut par observations à la distance zénithale constante - (Study of method of simultaneous determination of geographical coordinates and azimuth by observations at constant zenithal distance)*. L. CICHOWICZ. *Geodezja i Kartografia*, Warszawa, Tom VII, No. 1, 1958, pp. 34-76.

(*Intern. Hydrog. Review*, Nov. 1958).

---

**MAGNETISM — MAGNÉTISME**

6066. — *Observational and Theoretical Aspects of Magnetic and Ionospheric Storms - (Aspects théoriques et observés des orages magnétiques et ionosphériques)*. E.H. VESTINE. *Proceedings of the National Academy of Sciences*, Washington 25, D.C., Vol. 43, No. 1, January 1957, pp. 81-92.  
(*Intern. Hydrog. Review*, Nov. 1958).
6067. — *Secular Variation in the Direction of Geomagnetism as the Standard Scale for Geomagnetochronology in Japan - (Variation séculaire de la direction du magnétisme terrestre comme étalon de la chronologie géomagnétique au Japon)*. Naotune WATANABE. *Nature*, London, Vol. 182, No. 4632, August 9, 1958, pp. 383-384.  
(*Intern. Hydrog. Review*, Nov. 1958).
- 

**GRAVIMETRY — GRAVIMÉTRIE**

6068. — *On the Behaviour of a Worden Gravimeter for Periodical Variations in External Temperature and Rapid Variations of Pressure - (Sur le comportement d'un Gravimètre Worden pour les variations périodiques des températures extérieures et les rapides variations de pression)*. Michele CAPUTO. Publication No. 31. Istituto di Topografia e Geodesia dell'Università di Trieste. *Geophysical Prospecting*, Vol. V, No. 2, 1957, pp. 193-201.  
(*Intern. Hydrog. Review*, Nov. 1958).
6069. — *Il collegamento gravimetrico Roma-Beirut-Karachi-Delhi-Dehra Dun effettuato dalla spedizione italiana al Karakorum 1954-1955 - (Gravimetric connection between Rome, Beirut, Karachi, Delhi and Dehra Dun carried out by Italian expedition to the Karakorum Range (1954-1955) - (Le rattachement gravimétrique Rome-Beyrouth-Delhi-Dehra-Dun effectué par l'expédition italienne au Karakorum, 1954-1955)*. Michele CAPUTO. Publication No. 34. Istituto di Topografia e Geodesia dell'Università di Trieste. *Bollettino di Geodesia e Scienze Affini*, Rivista dell'Istituto Geografico Militare, Firenze, Anno XVI, No. 2, 1957, pp. 139-166.  
(*Intern. Hydrog. Review*, Nov. 1958).
- 

**MARITIME VOYAGES — VOYAGES MARITIMES**

6070. — *Antarctic Research - (Recherche antarctique)*. T. HATHERTON. *Nature*, London, Vol. 182, No. 4631, August 2, 1958, pp. 285-289.  
(*Intern. Hydrog. Review*, Nov. 1958).
- 

**UNITS OF MEASUREMENT — UNITÉS DE MESURE**

6071. — *Standardization of the Inch - (Normalisation de l'inch)*. A.V. ASTIN. *The Military Engineer*, Washington, D.C., Vol. 50, No. 335, May-June 1958, pp. 180-182.  
(*Intern. Hydrog. Review*, Nov. 1958).
-