



## REGULATIONS GOVERNING THE ORGANIZATION OF THE HYDROGRAPHIC SERVICE OF THE ARGENTINE REPUBLIC.

(Translated by the I.H.B.)

ARTICLE I. —The Hydrographic Service is responsible for the following :

1) National and foreign Hydrography, Meteorology, Magnetism and Oceanography. It draws up instructions for carrying out and control of such work.

2) Material for Navigation, Hydrography, Meteorology, Magnetism, Oceanography, Photography, Kinematography and Libraries of Naval vessels and establishments. It exercises control over existing stocks and draws up instructions for the use of all instruments.

3) Determination of the position, the construction and maintenance of all lighthouses and aids to maritime navigation and, in so far as it is responsible, to river and air navigation.

4) Regulations for the safety of maritime and river navigation by cooperating in nautical and hydrographic subjects with the Ministry of Public Works and the " Prefectura General Maritima ".

5) Nautical and special instruction of Naval and Merchant Service personnel with reference to the functions of the Hydrographic Service.

6) Supply to the Mercantile Marine of technical information on instruments and their use and, also, of instructions for navigation.

7) Maritime hunting and fishery questions (Law 3727, article 13, paragraph 22).

8) Cooperation with the Naval Air Service in the working of Aerological Stations, cartography and marks used for aerial navigation.

9) Cooperation with the Naval Communications Service in Radiogoniometric Stations.

10) Questions with reference to National and foreign Institutions, Conferences, *etc.*, which deal with subjects similar to those dealt with by this Service.

ARTICLE II.— The work of the Hydrographic Office is divided amongst the following Divisions and Sections :—

a) *Secretariat and Administrative Office* under the direct orders of the Hydrographer.

b) *Hydrographic Division*, with 3 sections :— Calculations, Cartography and Geophysics.

c) *Navigation Division*, with 3 sections:— Nautical Publications, Instruments and Charts.

d) *Lights Division* with 4 sections:— Personnel, Technical Services, Material and Victualling.

e) *Observatory Division*.

f) *Chart Depot Division*.

g) *Surveying Vessels Division*.

h) *Accounts Division*.

ARTICLE III.— The Secretariat has charge of all subjects in connection with:—the International Hydrographic Bureau; the compilation and final editing of the *Anales Hidrograficos*; the cooperation with the Military Geographical Institute, the General Administration of Navigation and Ports of the Ministry of Public Works, the Fisheries Division and Director of Meteorology of the Ministry of Agriculture and other National and foreign Departments, obtaining the necessary information from the Divisions; the Library and translations of interest to the Divisions, except those referring to Sailing Directions and Notices to Mariners; the historical Archives of National Hydrography and of the place names on the coast; Annual Report and the Estimates.

ARTICLE IV.— The Administrative Office has charge of:—the Register of Receipts and Despatches, the routing of all despatches, orders, *etc.*, circulating them to the respective Divisions and Sections; General Archives, Confidential documents and Conduct and Service Sheets of the civil personnel.

ARTICLE V.— The Chief of the Hydrographic Division, in addition to controlling and directing the Sections of his Division, has direct charge of:—the technical office and records of the Division; the proposals for hydrographic surveys and oceanographic expeditions; the instructions for carrying them out; all subjects with reference to the surveying vessels which are referred to him by the Hydrographic Office, the surveying personnel, disciplinary subjects, proposals of entry or withdrawal from the service, of promotion or transfer, Conduct Sheets of the personnel under his immediate orders and the forwarding of those of the detached personnel; the preparation of the corresponding part of the *Anales Hidrograficos*; and the Annual Report; general revision of the orders to Hydrographic Expeditions and partial revision of those for Navigation, in so far as they concern hydrography; supervision of the purchase and supply of instruments for Hydrographic and Oceanographic Expeditions and for Meteorological and Aerological Stations; Conduct Sheets of the civil personnel under his orders.

ARTICLE VI.— The Calculations Section checks the calculations of the Surveying Expeditions; prepares all necessary data for cartography in so far as navigational charts and plans are concerned; keeps the technical records of the reports of the Hydrographic Expeditions, the data and history of each chart published, the original sheets of charts, charts of the Argentine coast not published by the Hydrographic Office; has charge of the Tide Predicting Machine and prepares the Tide Tables; makes studies of tides and tide recording stations.

ARTICLE VII.— The Cartographic Section has charge of the compilation and drawing of new charts for maritime, river and air navigation; reproduction of charts issued abroad or by other national Departments, adapting them to the requirements of navigation; the drawing of special charts such as meteorological, magnetic, *etc.*, charts; the cartographic checking of data supplied by Offices with which correspondence is maintained, with a view to the adaptation thereof; the superintendance of the printing of charts outside the Office; the chart printing and plan-reproducing office, the correction of stones and plates and the records thereof; the photographic office.

ARTICLE VIII.— The Geophysics Section superintends the Meteorological and Aerological stations on shore; the Meteorological observations and records received from Naval and Merchant vessels; the study of marine meteorology and data for meteorological charts and publications of terrestrial magnetism to obtain the elements for use on navigational charts; the oceanographic work; the records of observations; the collection of bottom-specimens and their classification and analysis; the study of currents.

ARTICLE IX.— In addition to the control and direction of the Sections of his Division, the Chief of the Navigation Division has direct charge of:— the office and records of the Division; subjects relating to the Chart Depots; Navigational orders; technical superintendance of the regulation of maritime, river and harbour navigation; the determination of the zones and location of the Pilot Stations; giving of advice on all subjects connected with the requirements of navigation such as:— proposed hydrographic work, publication or reproduction of nautical charts, location of maritime and river lights, beacons, *etc.* He collaborates with the Departments concerned in the making of plans of vessels on subjects connected with the position of the compasses and other nautical instruments. He supervises everything connected with nautical science in the courses of study for pilots or skippers and in their examining Boards and is a member of the tribunal which deals with the cases provided for under the Pilotage Regulations. He gives advice on subjects connected with the instruments, books and charts supplied to the Mercantile Marine; supervises the testing thereof and provides technical information which may be required to facilitate their development. He sees that the regulations as to charts and nautical documents are carried out; he exercises control over the Agents for the sale of charts and nautical publications; Conduct Sheets of the Personnel under his orders.

ARTICLE X.— The Nautical Publications Section has charge of:— the stocks in the Office, the Administrative control and supply of the publications and regulation navigational books to ships and Departments; the keeping up to date of the Argentine Standard maritime and river Sailing Directions and List of lights as well as those of neighbouring countries; the collection of the information necessary for the keeping up to date of the Sailing Directions and List of Lights of the world; the preparation and publication of Sailing Directions, Notices to Mariners, List of Lights, Beacons, *etc.*, and of Instructions and Regulations for:— Navigation, Prevention of Collision and maritime and river ports. Archive of Ships Logs.

ARTICLE XI.— The Instruments Section has charge of:— the stocks in the Office, the administrative control and supply of all instruments to Ships and Departments in so far as concerns navigation, hydrography, meteorology, oceanography photography, kinematography and library; purchase of instruments with the technical cooperation of the other Divisions concerned; optical and instrumental laboratory and testing office; history sheets of the instruments and instructions for their use and location on board; compasses, their installation and arrangements for testing them, and compass journals.

ARTICLE XII.— The Charts Section has charge of the stock of charts at the Office, the administrative control and supply of charts, as laid down in the Navigational orders for Ships and Departments; the keeping up to date of the standard Argentine nautical and river charts and those of neighbouring countries; the collection of such information for keeping Argentine charts up to date.

ARTICLE XIII.— In addition to the control and direction of the Sections of his Division, the Chief of the Lights Division has direct charge of the Office and records of the Division; proposals as to buoyage and lights; Instructions for the Buoyage and Beaconage Committees; subjects relative to the Buoyage vessels which are forwarded from the Office; Lightkeepers, proposals for their entry, discharge, promotion and appointment; Navigational orders with reference to buoyage and lighting; Conduct Sheets of the personnel under his orders; Administrative and Disciplinary matters in the Laboratory, Works and Lighthouses.

ARTICLE XIV. — The Personnel Section is in charge of:— the forwarding of all Administrative and disciplinary subjects in connection with the lighthouse personnel; the entry, discharge, appointment and nominal list and files of the hydrographic and lighthouse personnel; the archives of Conduct Sheets, personal files and Services Sheets of this personnel; regular leave, gratuities on re-engagement, for long service, *etc.*, for the lighthouse personnel; travelling passes of the civil personnel and their return; circulars to lighthouses and means of communication for the personnel.

ARTICLE XV. — The Technical Section studies and superintends the construction of lighthouses and beacons; repairs and makes the changes in fixed and floating material; issues technical instructions for the use and maintenance and descriptive manuals of this material; collects catalogues, plans and information which allow scientific progress to be followed in the mechanism of lights, beacons, *etc.*, has technical control over the Lights Laboratory and Gas Works; technical control over the consumption of fuel and other stores for lights, beacons and buoys and of the production of gas by the Works; it directs the drawing of plans and the calculations for the draft proposals which are submitted for the approval of the Director General of Material; has charge of the construction and maintenance of aids to air navigation; submarine signals and semaphore stations specially provided for safety of shipping.

ARTICLE XVI — The Section of Material has charge of and keeps inventories of all special material for lighthouses, buoys and beacons, accessories and stores; has charge of the grounds and buildings belonging to the Hydro-

graphic Service and the files of plans ; collects the data for the List of Lights; history sheets and files of all material ; makes an inventory of contingent, permanent, and consumable stores for the Laboratory and Works ; has charge of all field-stores and means of travelling for the Hydrographic and Buoyage parties

ARTICLE XVII — The Victualling Section controls the general provisions for lighthouses ; foodstuffs for lighthouses, Laboratory and Workshop ; supplies victuals and rations to lighthouses and surveying or buoyage parties which are directly under the Hydrographic Office ; inspects and checks permanent stores ; cooperates with the Accounts Division in all which appertains to the Director General of Administration ; has administrative control of fuels and oils ; means of transport for lighthouses.

ARTICLE XVIII — The Accounts Division keeps the regular pay-sheets of the personnel ; the ranks and ratings, appointments, accounts and entry of the personnel ; passages and freights which are paid direct and their accomplishment ; account of all movement of valuables and specie ; renders accounts of funds and of their application ; makes contracts for provisions, carriage of victuals and stores ; keeps detailed accounts of those responsible ; transfers of property and parcels in general ; affairs of the National Retired Pay and Pensions Office ; transfers under the " General Administration Regulations "

ARTICLE XIX — The Observatory is under the direct orders of the Hydrographer who has charge of the instruments of the Observatory ; the stocks in the Department, Administrative control and supply of chronometers and watches in accordance with the establishments of the vessels and Departments ; time signals ; Ephemerides for the use of navigators ; Chronometer journals and history sheets ; stowage of chronometers on board ships ; purchase and repair of chronometers and watches ; astronomical work.

ARTICLE XX.— The Chart Depots issue supplies directly to ships and Departments in accordance with orders received from the Hydrographer. For service and disciplinary matters they are under the orders of the Senior Officer of the Base or Dockyard and for technical and administrative matters under the Hydrographer.

They have charge of :—

- a) The navigational material of vessels in reserve, or partly manned, which are under the orders of the Senior Officer of the Base or Dockyard.
- b) The supply to, landing from, and replacement on board commissioned vessels belonging to the Base or Dockyard, of such material.
- c) A sufficient stock of instruments, charts, Sailing Directions, Light Lists, *etc.*, for the supply of surveying parties and vessels.
- d) Standard copies, corrected to date, of all regulation charts and pilots for the information of navigating Officers.
- e) The time-signals and rating of chronometers in store.
- f) A set of standard meteorological instruments
- g) The inventory of the material in store.
- h) Immediate communication to the Hydrographer of all supply and return of stores in order that the general inventory may be kept up to date.

ARTICLE XXI.— For disciplinary purposes the Works and Laboratory are governed by the regulations of the Lighthouse Service but on technical subjects they act in accordance with the instructions issued by the Sections to which they are attached.

ARTICLE XXII.— The Heads of Divisions are on the active list, the Chiefs of Sections and Subsections are on the active or retired lists or technical persons to whom the position has been confided. All technical positions are filled by examination, the programmes for which are approved by the Minister of Marine.

ARTICLE XXIII.— The Lighthouse personnel is governed by the Regulations of the Lighthouse Service, and the Hydrographic personnel by the Regulations issued for Subordinates with no contract of service and the technical orders issued by the Department.

