

# AIRCRAFT NAVIGATIONAL MANUAL

(H. O. B. Pub. 216).

---

With the development of aviation, considerable research work has been carried out by the Hydrographic Office on the subject of aircraft navigation. As a result of these investigations several short methods of air navigation were developed, based on special tables. Recent publications of this office utilizing these methods are H. O. Pub. 208 (Dreisonstok), H. O. Pub. 211 (Ageton), and H. O. Pub. 214 (Tables of Computed Altitude and Azimuth). In addition a navigation manual was prepared for the use of naval aviators.

However, this first manual of air navigation produced by the Hydrographic Office, included so much material having particular reference to naval aviation that its issue was restricted to the Naval Service. Recently, in view of the current program of aviation training, the growing interest in aviation, and the increasing number of student aviators throughout the country, it was decided this manual should be revised in such form that it could also be made available to the public. The first edition of this revised publication has now been released and placed on sale to the public as H. O. Publication N° 216— "Aircraft Navigation Manual". The text of this book was prepared by officer instructors at the U.S. Naval Air Station, Pensacola, Fla., in cooperation with the Hydrographic Office. Much of the material which has been in use at that station for the instruction of naval aviators has been included in this work. Where practicable, an adequate number of problems and answers for self-instruction, as well as numerous sketches and photographs have been included.

In general, the following subjects have been covered: Navigational definitions, charts and publications; aircraft navigational instruments; dead reckoning, radio and celestial navigational airway systems of the United States; meteorology; and nomenclature. Universities, colleges, and schools having courses in aerial navigation should find this publication quite valuable as a text-book.

