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accounting, method of chart correcting and general dealings with ships and their navigating Officers were gone into thoroughly. Problems as between Naval Service Headquarters and the Chart Depot were discussed and difficulties ironed out. The sea-going viewpoint on pertinent topics was ascertained in conversations with a number of Commanding Officers and Navigating Officers.

Also visited were the Naval Compass Adjuster and the Command Meteorological Officer from whom reports on the nature and progress of their work were obtained.

23. Arrangements for swinging at Quebec have been facilitated by the laying of a mooring buoy for this purpose. Previous to the installation of this facility, the operation was unduly difficult and prolonged.

24.(a) During August, the Chart Depot at Esquimalt was also inspected. The occasion was also taken to confer with Commanding Officer "ROYAL ROADS" on the subject of syllabi of instruction in Navigation and Pilotage.

(b) Follow up correspondence between D/D.W.T. and certain other Government Departments concerning researches carried out at the Marine Biological Station, Nanaimo -- said researches dealing with ocean temperatures, salinity and bathythermography as affecting sound ranging -- this station was visited and discussions carried on concerning the interest of the Hydrographic Department in such researches.

It is certain that the study of oceanography (embracing as it does, the aforementioned matters) which subject is as yet barely scratched, must continue to occupy the interest of the Hydrographic Department, quite apart from the more immediate benefits in the matter of sound ranging which are already being brought to light.

Work of Superintendent of Navigational Equipment

25. The duties of S.N.E. are to investigate and advise on questions involving the supply of Navigational Instruments and Equipment to H.M.C. Ships, and on the arrangement of bridges and other navigational facilities.

During the period under review, opinions have been given on the supply of various instruments, and suggestions have been submitted as to the proposed modification to the bridges of Bangor Class Minesweepers. On 31st August, at the request of Naval Superintendent Contract Built Ships, S.N.E. attended the preliminary trials of H.M.C.S. "DUNVER", the first R.C.N. Frigate to be completed on the East Coast, and inspected and reported on the navigational facilities of the ship. On 20th September, a mock-up of a Frigate bridge at Canadian Vickers Limited, Montreal, was inspected. This mock-up was prepared for inspection by the Departments concerned with a view to finalizing the design.

Amongst the other matters advised on have been