

nation, and intensity (both horizontal and total intensity) we had a complete set of instruments. Among others may be mentioned a spectroscope especially adapted for the northern lights, an electroscope for determining the amount of electricity in the air, photographic apparatuses, of which we had seven, large and small, and a photogrameter for making charts. I considered a pendulum apparatus with its adjuncts to be of special importance to enable us to make pendulum experiments in the far north. To do this, however, land was necessary, and, as we did not find any, this instrument unfortunately did not come into use. For hydrographic observations we took a full equipment of water-samplers, deep-water thermometers, etc. To ascertain the saltness of the water, we had, in addition to the ordinary areometers, an electric apparatus specially constructed by Mr. Thornøe. Altogether, our scientific equipment was especially excellent, thanks in great measure to the obliging assistance rendered me by many men of science. I would take this opportunity of tendering my special thanks to Professor Mohr, who, besides seeing to the meteorological instruments, helped me in many other ways with his valuable advice; to Professor Geelmuyden, who undertook the supervision of the astronomical instruments; to Dr. Neumeyer, of Hamburg, who took charge of the magnetic equipment; and to Professor Otto Petterson, of Stockholm, and Mr. Thornøe, of Christiania, both of whom superintended the hydrographic department. Of no less