

A. C. Bromley, and G. R. Bethel, were each specially qualified in surveying or magnetic work. Staff Commander Tizard, a surveyor of high reputation, was in charge (under Captain Nares) of the whole of the navigating and hydrographic duties, assisted by Sub-Lieutenants Havagal and Swire. The hygiene was in charge of Staff Surgeons Crosbie and G. Maclean.

The engineering department, on which so much of the success of the Expedition depended, was under the direction of J. H. Ferguson, as chief, assisted by W. J. J. Spry, A. J. Allen, W. A. Howlett, and W. J. Abbott; and the machinery, on the return of the vessel after her long cruise, was as efficient as when she started. Paymaster R. R. Richard, Assistant Paymaster J. Hynes, with Sub-Lieutenants Lord George G. Campbell, A. F. Balfour, A. Channer, and H. E. Harston, were the other officers.

Professor Sir Charles Wyville Thomson, F.R.S. &c., had been selected as director of the civilian scientific staff, and (as has since been proved) none could have been found better qualified to fill the important position. With the practical experience he had already gained in the *Porcupine* and *Lightning*, he was enabled to utilise and work out all the subjects that came within his reach during our more extended cruise. His assistants were H. N. Moseley, M.A., Dr. von Willemoes-Suhm, and J. Murray, who undertook the naturalist and botanical de-