



National Oceanographic Library – Archive

Instrumentation/ Technology Development Projects – working documents/ files

National Institute of Oceanography – Institute of Oceanographic Sciences – Institute of Oceanographic Sciences, Deacon Laboratory – Southampton Oceanography Centre 1960s-1990s

These documents cover many aspects of instrumentation and technology development at the National Institute of Oceanography, (later became the Institute of Oceanographic Sciences, Institute of Oceanographic Sciences, Deacon Laboratory and the Southampton Oceanography Centre).

Norman Smith was at Group W, Admiralty Research Laboratory, with George Deacon. Norman Smith and the group that he led at the National Institute of Oceanography/ Institute of Oceanographic Sciences, Wormley, played a key role in the precision engineering and instrument development that allowed the Wormley Laboratory to become a world-leading institution, particularly in the 1960s and 70s.

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Summary of the design study for a Long Range Slanting Sonar, 1244/64, NIO October 1964	14
Drawings for RMT (Rectangular Midwater Trawl) nephelometer bracket, 1995	14
BURT, RG (Dick) – <i>Handling oceanographic equipment: notes and sketches from a Netman's Log, Institute of Oceanographic Sciences, Report, 84, 1979.</i> Contents: Tide frame – Thumper unit – Grabs – N.7 OF VNET – N.50 VNET – Engel trawl – Pop up net – I.K. Midwater trawl cod end – Indian Ocean Standard net – Institute of Oceanographic Sciences NRigged for closing on the Levit Principle - Pop up buoy – 2mm wire for mooring buoys – Airgun – Pop up corer (Boomerang) Graphels – RMT 8 Mk I – RMT Combination Net – Current frames – MBA dredge – Bottom net, Institute of Oceanographic Sciences – Spar buoy – Pop up buoy (PUBS) sphere – Tide float using a parachute – Pop up current float – Spar buoy – Longhurst net – Towed camera – Transponder buoy – Airgun array – Hydrophones and Magnetometers – Hydrographic lay – Bottom net (opening and closing) – General information	14
STUBBS, John B - Studies for British Bathyscaphe 1957-1964 – Documents, typed, handwritten drawn plans and Correspondence relating to attempts to obtain support for the Development of a British Bathyscaphe, bound in one volume.	15

GAUNT, D.J. - Operating manual for MkII Neutrally Buoyant Float System (Swallow Float) 1978. Engineering drawings, text and data in ring binder.	15
DRIFTING BUOYS (FGGE) (First Garp Global Experiment) <ul style="list-style-type: none"> - File of correspondence (Peter Collar, Institute of Oceanographic Sciences), Development of drifting buoy Systems 1979-1983 with other research organisations. - World Meteorological Organisation (WMO) – First Garp Global Experiment (FGGE) Proceedings. 5th Session of the Committee of Participants for the FGGE Drifting Buoy System , Geneva, 26-30 November 1974. - International Oceanographic Commission (IOC)/ WMO. Drifting Buoy Co-operation Panel, 1st Session, Toulouse, 14-16 October 1985. Final Report. 	15
DRIFTING BUOYS (FGGE) (First Garp Global Experiment) <ul style="list-style-type: none"> - Reports on drifting buoys from various corporate/ research organisations in Australia and New Zealand – Correspondence, reports, photographs, 1981-83. (contains information and location of FGGE archive FGGE tapes) 	15
Shipborne wave recorders: installation and maintenance logs, 1958-1973, handwritten logbooks – OWS “Admiral Beaufort”/ MV “Ami”/ MV “Famita”/ “Irish Lights” L/V / RRS “John Murray”/ FRV “Miranda”.	16
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Shipborne wave recorders: 3 technical notebooks, with logs and locations. 1952-1972	17
TOBI - A vehicle for deep ocean survey –folded brochure giving details of main features, vehicle towing, data display and logging, ship requirements features, swath bathymetry. Southampton Oceanography Centre.	17