



National Oceanographic Library – Archive

Professor Peter Herring – Collection

Archive location	Archive A - Individual Collections
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Peter Herring spent 18 months at sea with the International Indian Ocean Expedition 1961-62, as part of his Cambridge University PhD. As a result of this experience, he joined the UK, National Institute of Oceanography (which later became the Institute of Oceanographic Sciences, then IOS Deacon Laboratory, which became part of the Southampton Oceanography Centre University of Southampton in 1995, then became the National Oceanography Centre in Southampton) in 1966, at the beginning of his career as a marine biologist. He worked first on the pigments of deep-sea animals and specialised in the physiology and ecology of bioluminescence in the deep-sea environment, and its relation to vision. This remained his major research interest throughout his career but he also worked on the distribution and visual physiology of hydrothermal vent shrimp and the distribution of midwater animals in relation to the oxygen minimum in the NW Indian Ocean. He developed techniques for the better capture of live deep-sea animals and has been involved as participant of Chief Scientist in over 60 research cruises on ships of 5 different countries. He ranks his dives in the *Johnson SeaLink* among his most rewarding career experiences. *Johnson Sea Link* was the name of a deep-sea scientific research submersible built by Edwin Albert Link in 1971.

Items	Box						
<i>Atolla</i> (Jellyfish) - data folders 1-3 (Bioluminescence material in folder 2)	1						
<i>Atolla</i> - Correspondence, research material, notes, reprints	2						
<i>Atolla</i> - Analysis	2						
<i>Atolla</i> – Periphylla data	2						
RMT (Reversible Midwater Trawl) – Decapods and fish (RRS Charles Darwin, Cruise 104, 1998) Scheherezade Project.	2						
Reprints on “Reflectors” in light in fish/ aquatic animals – bioluminescence	3						
Hydrothermal vents – biological communities – research material	3						
Transparencies on Decapoda, mysidacea – species composition/distribution Arabian Sea – Atlantic Ocean 18N. 11N. Research material in ring binder.	4						
Bioluminescence videotapes Hakon Mosby Cruise 1995 —Periphylla periphylla (crown or helmet jellyfish) Tapes: Fuji/VHS/ Fujishge-60N. 5 Cassettes, PAL <table border="0"> <tr> <td><u>Specs</u></td> <td><u>Tape/content</u></td> </tr> <tr> <td>1) 1-6</td> <td>1A, 1/5, copy of tape 1, plus timetable, PAL</td> </tr> <tr> <td>7-10</td> <td>1B, 2/5, copy of tape 1, plus timetable, PAL</td> </tr> </table>	<u>Specs</u>	<u>Tape/content</u>	1) 1-6	1A, 1/5, copy of tape 1, plus timetable, PAL	7-10	1B, 2/5, copy of tape 1, plus timetable, PAL	5
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<p>Bioluminescence videotapes HAKON MOSBY Cruise 1995 --Periphylla periphylla (crown or helmet jellyfish) continued Tapes: Fuji/VHS/ Fujishge-6ON. 5 Cassettes, PAL</p> <table border="0"> <thead> <tr> <th style="text-align: left;"><u>Specs</u></th> <th style="text-align: left;"><u>Tape/content</u></th> </tr> </thead> <tbody> <tr> <td>2) 14-19</td> <td>2A, 3/5, copy of tape 2, plus timetable, PAL</td> </tr> <tr> <td>3) 20-25</td> <td>2B, 4/5, copy of tape 2, plus timetable, PAL</td> </tr> <tr> <td>4) 26-32</td> <td>3, 5/5, copy of tapes 2 & 3, plus timetable, PAL</td> </tr> </tbody> </table> <p>Tapes: TDK HS Bioluminescence in Periphylla. Tape 1/3, 2/3, 3/3 0-15 In situ, ROV recordings, June 1995 15-50 Edited "Pheriphylla" movie – Lurefjordin, near Bergen, Norway. Recordings by PR Flood, Institute of Zoology, University Bergen, Large Colour Spec.</p>	<u>Specs</u>	<u>Tape/content</u>	2) 14-19	2A, 3/5, copy of tape 2, plus timetable, PAL	3) 20-25	2B, 4/5, copy of tape 2, plus timetable, PAL	4) 26-32	3, 5/5, copy of tapes 2 & 3, plus timetable, PAL	5
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<p>Bioluminescence and Deep-sea Videotapes (Commercial tapes)</p> <ul style="list-style-type: none"> - BBC The Abyss – interactive – BRD200946 - BBC The Abyss – live TX17.20 - BBC The Abyss – 29 October 2002, BBC2 (PAL) - BBC The Abyss II – live insert roll – interactive (copy of BKD 9933, 17 October 2003) (VHS) - BBC The Abyss Live – nine north – inserts aspect 4.3 24 October 2003 - BBC Wildlife on One – <i>Nature's Neons</i>, with notes P.J.Herring inserted in slipcase. - BBC Wildlife on One – <i>Nature's Neons</i>, Cutting copy (VHS). - BBC <i>Atlantic Realm</i> – promotion tape, duration 14-30 min, copy 20F4 (VHS), BBC internal purposes only Ser 321975 - BBC <i>Atlantic Realm</i> as HR23911 and HR23888 with T.CAD (VHS) - BBC Bristol – <i>Cyclops</i> – demonstration tape, 1987 copy 2 of 4, From VPR, duration 24'-58". BBC Internal purposes only, Ser 321930. - BBC Natural World, February 1995 <i>Ocean Drifters</i>. - BBC – BBC South – Southern Eye – <i>Liquid Space</i>- 2002. TX 31 January 2002, letter from BBC to P.J.Herring inserted in case. - BBC The Natural World – <i>Hunters of the Sea Wind</i>, produced by Roger Jones. National Geographic Explorer – <i>Ocean Drifters</i>, aired, 22 August 1993 on TBS. NTSC (VHS). - Cape Productions – <i>Living in Extremes</i> 'Deep' compilation (VHS). Letter from Cape Productions 17 November 1997 to P.J.Herring inserted in case. 	14