

Sources and Techniques in Boat Archaeology

Papers based on those presented
to a Symposium at Greenwich
in September 1976,
together with edited discussion

edited by
Sean McGrail

National Maritime Museum, Greenwich,
Archaeological Series No. 1

BAR Supplementary Series 29

1977₀

SKIBSHISTORISK LABORATORIUM
NATIONALMUSEET

British Archaeological Reports

122, Banbury Road, Oxford OX2 7BP, England

GENERAL EDITORS

A. C. C. Brodribb, M.A.
Mrs. Y. M. Hands

A. R. Hands, B.Sc., M.A., D.Phil.
D. R. Walker, M.A.

Details of all issues of British Archaeological Reports will be sent free of charge and without any obligation to purchase, on request from the above address.

Cheques and postal orders should be made payable to "British Archaeological Reports" and sent to the above address.

For a list of other B.A.R. publications, please see the last page.

B.A.R. Supplementary Series 29, 1977: "Sources and Techniques in Boat Archaeology."

© The individual authors and the National Maritime Museum, Greenwich, 1977.
Price £6 (post free). Payments made in currency other than sterling must be calculated at the current rate of exchange and an extra 10% added to cover the cost of bank charges.

ISBN 0 904531 82 1

CONTENTS

	Page
List of Illustrations	(iv)
Editor's Introduction	(ix)
List of Contributors	(xi)
INTRODUCTION	
David Wilson	1: Introductory Address 1
E. V. Wright	2: Setting the Scene 3
GLOSSARY OF TERMS	
J. E. G. McKee	3: A Glossary of Boat Archaeology Terms 9
Discussion - Chaired by Basil Greenhill, National Maritime Museum	14
WOOD DEGRADATION AND CONSERVATION	
J. F. Levy	4: Degradation of Wood 15
J. de Jong	5: Conservation of Old Waterlogged Wood 23
C. W. Gregson	6: Aspects of Waterlogged Wood Conservation 45
J. Roelfzema	7: New Possibilities in Chemical Engineering for Conserving Structures of Waterlogged Wood 55
Discussion - Chaired by Andrew Oddy, British Museum Research Laboratory	60
ETHNOGRAPHY AND LIVING TRADITION	
Olof Hasl�f	8: Ethnography and Living Tradition 65
Octavio Lixa Filgueiras	9: The <u>Xavega</u> Boat - a case study in the integration of archaeological and ethnological data 77
Discussion - Chaired by Sean McGrail, National Maritime Museum	112
QUANTITATIVE TECHNIQUES	
Sean McGrail	10: Searching for Pattern among the Logboats of England and Wales 115

		Page
J. M. Graham	11: Quantitative Methods and Boat Archaeology	137
Discussion - Chaired by Rupert Bruce-Mitford, The British Museum		156
RECORDING FINDS AND PRESENTING INFORMATION		
Ole Crumlin-Pedersen	12: Some Principles for the Recording and Presentation of Ancient Boat Structures	163
Angela Care Evans	13: Recording and Presentation of Finds from Nautical Contexts	179
Carl Olof Cederlund	14: Recording the remains of a sewn ship found at Skeppargatan 4 in Stockholm	191
Discussion - Chaired by Colin Martin, University of St. Andrews		201
HYPOTHETICAL RECONSTRUCTION OF BOAT FINDS		
J. E. G. McKee	15: Hypothetical Reconstructions in Boat Archaeology	205
J. F. Coates	16: Hypothetical Reconstructions and the Naval Architect	215
Discussion - Chaired by Ewan Corlett, National Maritime Museum		227
EXPERIMENTAL ARCHAEOLOGY		
J. M. Coles	17: Experimental Archaeology - theory and principles	233
Sean McGrail	18: Aspects of Experimental Boat Archaeology	245
Timothy Severin	19: Preliminary Report on the <u>Brendan Project</u>	259
Discussion - Chaired by Sverre Marstrand, Universitetets Oldsaksamling, Oslo		266
ANCIENT BOATBUILDING		
Arne Emil Christensen	20: Ancient Boatbuilding - a provisional classification	269
Peter Marsden	21: Celtic Ships of Europe	281
David Sturdy	22: Boat Archaeology of the Thames	289
Discussion - Chaired by Detlev Ellmers, Deutsches Schiffahrtsmuseum, Bremerhaven		298

	Page
CONCLUSION	
Basil Greenhill 23: Summary and Concluding Remarks	303
Discussion - Chaired by David Wilson, The British Museum	307
Glossary	311