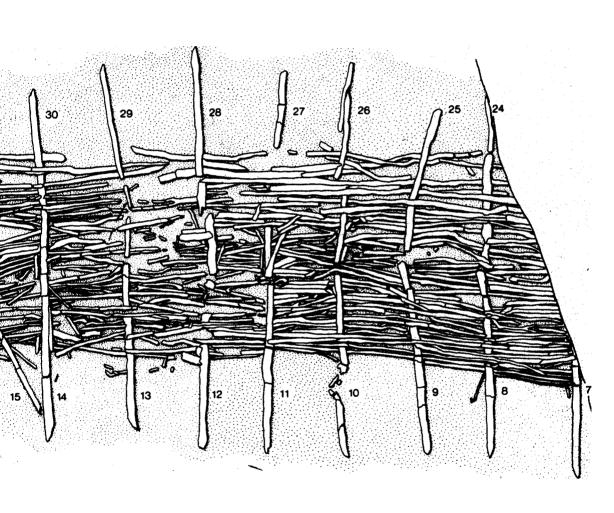
Zeneml Editor
David W. Grattan
iditor Special Discussions
. CliffE McCawley

Proceedin dandelon.com
ICOMJ Waterloggeden only or by
Wood Working Group
Conference

Ottawa 1981



Published by, The International Council of Committee for Conservation Waterlogged Wood Working Group

TABLE OF CONTENTS

INTRODUCTION: THE WATERLOGGED WOOD WORKING GROUP

Committee for ICOM Conservation Working Group on the Conservation of Waterlogged Wood Colin Pearson

SESSION I: THE CONSERVATION OF SHIPWRECKS

The Conservation of Artifacts from the Mary Rose

Howard Murray

A Theoretical and Comparative Study of Conservation Methods for Large Waterlogged Wooden Objects

Richard W. Clarke and Janet P. Squirrel!

An Approach to the Conservation of Intact Ships Found in Deep Water Daniel A. Nelson

The Excavation of a Mid 16th Century Basque Whaler in Red Bay, Labrador Willis Stevens

Underwater Molding Techniques Waterlogged Ships Timbers Employing Various Products including Liquid Polysulfide Rubber

Lome D. Murdock, Charlotte Newton and Tom Daley

Review of the Conservation of Machault Ships Timbers: 1973-1982

Victoria Jenssen and Lome Murdock

On-Site Packing and Protection for Wet and Waterlogged Wood

Dierdre A. Lucas

The Recovery and Conservation of the Brown's Ferry Vessel

Katherine R. Singley

General Discussion: The Conservation of Shipwrecks

Led by the Session Chairman: Eric Lawson

Ш SESSION 2: ANALYSIS AND CLASSIFICATION OF WOOD

Introductory Remarks Ian N.M. Wainwright - Session Chairman

A Deterioration Evaluation Procedure for Waterlogged Wood Richard Jagels

Chemical Wood Analysis as a Means of Characterizing Archaeological Wood Per Hoffman

Anomalous Wood Structure: A Reason for Failure of PEG in Freeze-Drying Treatments of some Waterlogged Wood from the Ozette Site

Florian and Richard Mary-Lou E. Renshaw-Beauchamp

Conservation of Waterlogged Wood in Switzerland and Savoy

Fritz H. Schweingruber

A Study of Waterlogged Wood Conservation Treatments at the Cellular Level of Organization

Gregory Young and Ian N.M. Wainwright

General Discussion: Analysis and Classification of Wood

Led by the Session Chairman: Ian N.M. Wainwright

SESSION 3: CONSERVATION FOR IV FROZEN OR WET LAND ARCHAEOLOGICAL SITES

Introductory Remarks John M. Coles - Session Chairman

The Management of Wet Site Archaeological Resources

George F. MacDonald

The Somerset Levels: A Waterlogged Landscape John M. Coles

The Conservation of Timber Structures at York - A Progress Report James A. Spriggs

Conservation of Wooden Artefacts Larry Titus

Survey, Recovery and Treatment of Wooden Artifacts in Florida: Problems Encountered during all Phases of Investigation

Barbara A. Purdy

Conservation of Waterlogged Wood at a 16th Century Whaling Station James A. Tuck

Waterlogged Wood from the City of London

Suzanne Keene

General Discussion: Conservation for Frozen or Wet Land Archaeological Sites Led by the Session Chairman: John M. Coles

THE ROEBUCK SITE

Visit to a wet-site, sampling with coring tools and discussion of the conservation aspects of the proposed excavation. Led by: **George F. MacDonald**

VI SESSION »: PROGRESS IN THE TREATMENT OF WATERLOGGED WOOD

Some Problems of using Tetraethoxysilane (Tetra ethyl ortho silicate: TEOS) for Conservation of Waterlogged Wood **Kirsten Jespersen**

Shrinkage and Collapse in Waterlogged Archaeological Wood: Contribution HI Hoko River Series

R.J. Barbour and L. Leney

A Review of Storage Methods for Waterlogged Wood

John E. Dawson, Rosemary Ravindra and Raymond H. Lafontaine

The Applications of Freeze-Drying on British Hardwoods from Archaeological Excavations Jacqui Watson A Practical Comparative Study of Treatments for Waterlogged Wood Part II
The Effect of Humidity on Treated Wood
David W. Grattan

Some Experiments on Freeze-Drying: Design and Testing of a Non-Vacuum Freeze Dryer

J. Cliff McCawley, David W. Grattan and Clifford Cook

Ageing of Reinforced Ancient Waterlogged Wood by Gamma Ray Methods E.G. Mavroyannaskis

General Discussion: Progress in the Treatment of Waterlogged Wood Biocides

Led by the Session Chairman: Colin Pearson

Some Considerations in Choosing a Biocide

John E. Dawson

VH THE CHEMISTRY OF POLYETHYLENE GLYCOL

A question and answer session. Led by: **Allen D. Brownstein**

Vffl APPENDIX I

A Sermon from the Reverend Barclay
(A humorous discourse on wet-wood
given at the banquet, included by popular
request)
Robert Barclay

APPENDIX II

LIST OF PARTICIPANTS

APPENDIX III

CARBOWAX PEG NOMENCLATURE CHANGES