

## CONTENTS

	Page
LIST OF ILLUSTRATIONS	V
FOREWORD BY PROFESSOR SEAN MCGRAIL	IX
INTRODUCTION	XI
ACKNOWLEDGEMENTS	XII
GLOSSARY	XIII
CHAPTER I	
HISTORY OF THE EXCAVATION, CONSERVATION, RECONSTRUCTION AND PUBLICATION OF THE UTRECHT BOAT (1930-1987)	
1.1	
FROM DISCOVERY TO TRANSPORT TO THE CENTRAL MUSEUM (5 to 31 December 1930).	
Find circumstances and investigation	1
Dismantling and transport	17
Organisation and publicity	21
Miscellaneous finds	24
1.2	
THE CONSERVATION (1931-1985)	
The choice of the method of conservation (Jan - Aug 1931)	26
The conservation by the creosote-linseed oil method brought into practice (September 1931 - Nov. 1936)	30
The conservation during the exhibition (1936-1985)	32
1.3	
THE RECONSTRUCTION (1931-1936)	
Finances, politics and public relations (Jan - April 1931)	34
The reconstruction (August 1931-November 1936)	34
1.4	
PUBLICATIONS (1930-1987)	
The failure of attempts to come to an official scientific publication	45

	Page
Theories about the Utrecht Boat as put forward in reports and publications in the period 1930- 1987	48
Conclusions on the state of affairs thus far	57
 CHAPTER 2 RESULTS OF RENEWED RESEARCH ON FIND CIRCUMSTANCES AND DATING	
 2.1 MISCELLANEOUS FINDS	
Bones	61
Sherds	61
Iron objects	62
 2.2 SCIENTIFIC DATINGS	
C <sub>14</sub> dating	63
Dendrochronological dating	66
 2.3 GEOLOGY OF THE SITE	
Summaries of the reports and publications con- cerning the nature of the soil in which the Utrecht boat was found	67
The course of the Vecht in the Middle Ages and the interpretation of the reconstructed profile based on a study of the literature	70
Conclusions	74
 2.4 PALEOBOTANICAL STUDY OF THE UTRECHT BOAT AND ITS SURROUNDINGS	
The wood of the vessel	74
The caulking	75
The identification of a lens of botanical material found beneath the wreck	78

	Page	
CHAPTER 3	EARLY MEDIAEVAL DEPICTIONS OF VESSELS PURPORTED TO BEAR A RESEMBLANCE TO THE UTRECHT BOAT	
3.1	DRAWN DEPICTIONS	81
3.2	DEPICTIONS OF SHIPS ON COINS	85
CHAPTER 4	SHORT DESCRIPTION OF THE VESSEL STRONGLY RESEMBLING THE UTRECHT BOAT THAT WAS FOUND IN 1974 ON THE WATERSTRAAT IN UTRECHT	
4.1	FIND CIRCUMSTANCES AND NAMING	89
4.2	THE CONSTRUCTION OF THE WATERSTRAAT BOAT	89
4.3	DATING	103
CHAPTER 5	RESULTS OF NEW RESEARCH ON THE UTRECHT BOAT AND INTERPRETATION OF THE CONSTRUCTION BASED ON LITERATURE STUDY	
5.1	DESCRIPTION OF ALL PRESERVED PARTS OF THE VESSEL	
	Logboat base	107
	Extension boards	113
	Garboard strakes	119
	Wales	120
	Sheerstrakes	120
	Rubbing strakes	124
	Ribs	127
	End-knees	127
	Threnus (?)	129
	Caulking, moss-laths and moss-planks and iron cramps	131
	Iron nails	134

	Page
Tree-nails and wedges	137
5.2 THE CONSTRUCTION OF THE UTRECHT BOAT IN RELATION TO OTHER SHIP FINDS	
Comparison with the Waterstraat boat	139
Conclusions on the origin of the Utrecht type based on the extended logboat from Velsen	140
A hulk or not a hulk	143
CHAPTER 6 USE OF STANDARD MEASURES AND RECONSTRUCTION OF THE SEQUENCE OF RIB PLACINGS IN PLANK BOATS AND EXTENDED LOG-BASED BOATS: ZWAMMERDAM ELEMENTS IN THE UTRECHT BOAT AND THE WATERSTRAAT BOAT BY M.D. DE WEERD	
6.1 INTRODUCTION: POSITION OF THE MAST STEP AND MARKING OUT RIB DISTANCES IN ROMAN FEET IN BARGES OF ZWAMMERDAM TYPE AND EXTENDED LOG- BASED BOATS OF UTRECHT TYPE	147
6.2 USE OF STANDARD MEASURES AND RECONSTRUCTION OF THE SEQUENCE OF RIB PLACINGS IN THE UTRECHT BOAT (1930)	149
6.3 USE OF STANDARD MEASURES AND RECONSTRUCTION OF THE SEQUENCE OF RIB PLACINGS IN THE WATERSTRAAT BOAT (UTRECHT 1974)	156
6.4 CONCLUSION	160
CHAPTER 7 SUMMARY OF THE RESEARCH	161
APPENDIX 1	165
APPENDIX 2	166
NOTES	167
BIBLIOGRAPHY	171