HANDBOOK OF CONIFERÆ INCLUDING GINKGOACEÆ

BY

W. DALLIMORE, I.S.O., V.M.H.

Late Keeper of Museums Royal Botanic Gardens, Kew Late Hon. Curator National Pinetum, Bedgebury

AND

THE LATE A. BRUCE JACKSON, A.L.S.

Late of the Dept. of Botany, British Museum (Natural History) Veitch Memorial Medallist 1923

WITH DRAWINGS BY MISS G. LISTER, F.L.S.



LONDON EDWARD ARNOLD & CO.

PREFACE TO FIRST EDITION

In the present handbook conifers are dealt with from the point of view of the gardener, forester, and student rather than the botanist, and we have therefore tried to describe the plants in as simple language as possible. In order to add to the usefulness of the work we have endeavoured to include all known species, although many of them are not suitable for outdoor cultivation in the British Isles.

The keys for the identification of the genera and species in cultivation, if used with care and in conjunction with the illustrations, should enable the student to identify most of the conifers he meets with in gardens. Species not known to grow in this country are as a rule omitted from the keys.

Recent expeditions to China have resulted in a large addition to the conifers cultivated in Britain. Many of these are still in a young state, and the identity of some of them is obscure. It is evident, however, from a careful study of the available material, that the number of species is fewer than was at first supposed.

The names adopted are chiefly those in the Kew Hand-list of Coniferæ, except where recent research has dictated to the contrary. A fairly complete list of synonyms and common names has been included.

Our descriptions have in most cases been drawn up from living plants or herbarium specimens.

We wish to record our thanks for facilities granted by the present Director, Dr. A. W. Hill, and to Sir David Prain, the late Director of Kew; to Dr. O. Stapf, for help with the genus *Podocarpus* and for advice upon difficult points. We are also under obligation to colleagues and friends at the Royal Botanic Gardens, Kew, and the British Museum (Natural History), for help in various ways. Professor A. Henry has allowed us to make free use of information from *The Trees of Great Britain and Ireland*, and given us other assistance.

The following owners of estates, among others, have kindly furnished us with specimens of living conifers for study and comparison: His Grace the Duke of Bedford; the Marquis

CONTENTS

INTRODUCTION, with Notes on the Morphology of the Coniferæ, Economic Uses, Propagation and Cultivation; with a Synopsis of Families and Tribes, a Key to the Genera in Cultivation, and Reasons for Name Changes, with a list of the Principal Changes 1

PART I. GINKGOACEÆ

PAGE GINKGO . 29

PART II. TAXACEÆ

	PAGE						1	PAGE	
ACMOPYLE .				37	PHEROSPHERA .			52	
Amentotaxus				37	PHYLLOCLADUS			53	
AUSTROTAXUS .			*	38	PODOCARPUS .			58	
CEPHALOTAXUS .				38	SAXE-GOTHÆA .			85	
DACRYDIUM .		1.		44	TAXUS			87	
MICROCACHRYS				52	TORREYA	۰.		100	

PART III. PINACEÆ

		1						The same	12.2
				PAGE				1	PAGE
Abies				107	JUNIPERUS				290
Actinostrobus			•	175	KETELEERIA			•	337
Agathis				176	LARIX .				340
ARAUCARIA .				190	LIBOCEDRUS				374
ATHROTAXIS .				203	PICEA .				382
CALLITRIS .				207	PINUS .				442
CALLITROPSIS .				217	PSEUDOLARIX				575
CEDRUS				218	PSEUDOTSUGA			•.	579
CHAMÆCYPARIS				226	SCIADOPITYS				593
CRYPTOMERIA .				252	SEQUOIA .				596
CUNNINGHAMIA				258	TAIWANIA				604
CUPRESSOCYPARIS				262	TAXODIUM				604
CUPRESSUS .				264	TETRACLINIS				609
DISELMA			-	285	THUJA .				610
FITZROYA.			So	285	THUJOPSIS		1.4.		630
FOKIENIA.				287	TSUGA .				634
GLYPTOSTROBUS				289	WIDDRINGTON	IA			652
INDEX	and a state								656

PAGE