2725-510

.

.

THE HERBARIUM HANDBOOK

Edited by

Diane Bridson and Leonard Forman

Revised Edition

ROYAL BOTANIC GARDENS KEW

CONTENTS

		page
INI	FRODUCTION	1
	What is taxonomy? The development, purpose and types of herbaria	2 4
		-
TH	IE HERBARIUM BUILDING, COLLECTIONS AND MATERIALS	
3.	The herbarium building and specimen storage	8
4.	Pests and treatments	14
5.	Materials	27
6.	Label design and production	46
HE	RBARIUM TECHNIQUES AND MANAGEMENT	
7.	Centralized accessioning, recording and dispatch procedures	52
8.	Processing unmounted specimens	60
9.	Mounting herbarium specimens	65
	Conservation of sheets	79
	Plant names (nomenclature)	84
	The arrangement of herbarium collections	89
	Ancillary collections	94
	Collections of illustrations and photographs	98
	Handling herbarium specimens	104
	Incorporation (filing or laying-in) of mounted specimens	107
	Curation of special groups	112
	Duplicate distribution	116
	Loans to other institutions	119
	Visitors	122
	Removal of samples from herbarium material	124
22.	Essential herbarium literature	128

ADDITIONAL TECHNIQUES

23.	Rearrangement of herbarium collections according to new	
	publications	133
24.	The dissection of floral organs and preservation of the results	144
25.	Illustration	- 151
26.	The photographic copying of herbarium sheets	162
27.	Collectors, itineraries, maps and gazetteers	163
28.	Check-lists	172
29.	Introduction to computers	175

COLLECTING

30. Collecting and preserving specimens	193
31. Collecting materials for ancillary disciplines	226
32 The collection of pteridophytes	232
33. The collection and curation of bryophytes	235
34. The collection and curation of Algae	237
35. The collection and preservation of fungi (including lichens)	242
36. The collection of living material	252
37. Collecting for a seed bank	258
38. Photography and fieldwork	261

THE HERBARIUM IN A WIDER CONTEXT

39. Economic botany and the herbarium40. Ecology and the herbarium41. Conservation and the herbarium		265 273 277
	N. N	
REFERENCES		281

INDEX

291