

## CONTENTS

FOREWORD .....	IV
PREFACE.....	VI
Technical note .....	VIII
Contents .....	X
<b>1. FINLAND</b> .....	<b>1</b>
General information.....	1
1.1. Measurement and volume determination of trees.....	3
1.2. Tree form.....	4
1.3. Tree growth.....	5
1.4. Forest site evaluation and Finnish forest types.....	8
1.5. Structure and development of stands.....	11
1.6. Stand volume estimation, growth and yield modelling, yield tables.....	15
1.7. Process-oriented growth and yield models.....	18
1.8. Weight and biomass studies.....	20
1.9. Tree-ring studies.....	21
1.10. Forest inventory: sampling, remote sensing and GIS.....	23
1.11. Chronology of selected events.....	27
1.12. Selected contributors.....	31
1.13. Comments.....	31
References.....	33
<b>2. NORWAY</b> .....	<b>45</b>
General information.....	45
2.1. Tree and log measurement.....	45
2.2. Site evaluation.....	46
2.3. Stand structure.....	47
2.4. Stand growth and yield.....	47
2.5. Weight and biomass.....	48
2.6. Tree-ring studies.....	48
2.7. Forest inventory: sampling, remote sensing and GIS.....	50
2.8. Chronology of selected events.....	52
2.9. Selected contributors.....	53
2.10. Comments.....	54

References.....	54
<b>3. SWEDEN.....</b>	<b>59</b>
General information.....	59
3.1. Tree and log measurement.....	60
3.2. Tree form.....	61
3.3. Tree volume tables and equations.....	63
3.4. Tree growth.....	65
3.5. Evaluation of forest site productivity.....	66
3.6. Stand structure.....	69
3.7. Stand volume, growth and yield-conventional methods.....	72
3.8. Growth and yield: modelling, simulation, forecasting.	
Computerized models .....	74
3.9. Weight and biomass studies.....	76
3.10. Tree-ring studies.....	77
3.11. Forest inventory: sampling, remote sensing and GIS.....	78
3.12. Chronology of the selected events.....	82
3.13. Selected contributors.....	86
3.14. Comments.....	87
References.....	88
<b>4. BELGIUM.....</b>	<b>103</b>
General information.....	103
4.1. Tree measurement and tree growth.....	104
4.2. Forest site and forest stand.....	105
4.3. Biomass studies.....	107
4.4. Tree-ring studies.....	108
4.5. Forest inventory: sampling, remote sensing and GIS.....	108
4.6. Chronology of selected events.....	109
4.7. Selected contributors.....	110
4.8. Comments.....	110
References.....	110
<b>5. DANMARK.....</b>	<b>115</b>
General information.....	115
5.1. Tree measurement, volume and taper.....	116
5.2. Forest site evaluation.....	120
5.3. Stand structure.....	121
5.4. Stand growth and yield. Biomass.....	124

5.5. Tree-ring studies.....	128
5.6. Forest inventory.....	129
5.7. Chronology of selected events.....	129
5.8. Selected contributors.....	130
5.9. Comments.....	130
References .....	131
<b>6. IRELAND.....</b>	<b>136</b>
General information.....	136
Available works on forest mensuration.....	136
References.....	137
<b>7. NETHERLANDS.....</b>	<b>138</b>
General information.....	138
7.1. Tree and primary products measurements.....	139
7.2. Stand structure.....	140
7.3. Stand growth and yield. Modelling.....	140
7.4. Biomass studies.....	142
7.5. Tree-ring studies.....	142
7.6. Forest inventory: sampling, remote sensing and GIS.....	143
7.7. Chronology of selected events.....	144
7.8. Selected contributors.....	146
7.9. Comment.....	146
References.....	147
<b>8. UNITED KINGDOM.....</b>	<b>151</b>
General information.....	151
8.1. Books containing information on forest mensuration and books from other fields that influenced the development of forest mensuration.....	156
8.2. Measurement of trees and primary products.....	166
8.3. Tree form and volume tables.....	169
8.4. Tree growth.....	170
8.5. Forest site evaluation.....	172
8.6. Stand structure.....	173
8.7. Stand volume, yield tables.....	176
8.8. Stand growth and yield. Conventional methods.....	180
8.9. Modelling.....	181
8.9.1 Growth and yield models.....	182

---

8.9.2 Yield models for forest management.....	184
8.9.3 Process-based growth models.....	185
8.10. Weight and biomass studies.....	186
8.11. Tree-ring studies.....	188
8.11.1. The beginning of tree-ring studies, dating and chronologies.....	188
8.11.2. Methods of dendrochronology.....	195
8.11.3. Dendroclimatology.....	196
8.11.4. A dendrochronological research in archaeology.....	197
8.11.5. Other areas in which dendrochronology was involved.....	197
8.12. Forest inventory: sampling, remote sensing and GIS.....	198
8.13. Chronology of selected events.....	202
8.14. Selected contributors.....	205
8.15. Comments.....	206
References.....	208