

## Contents

<i>List of figures, tables, and maps</i>	page ix
<i>Preface</i>	xv
<i>Acknowledgments</i>	xix
1 Island networks and graphs	1
<i>Graph theoretic models</i>	3
<i>Geographical, linguistic, and anthropological terms</i>	17
2 Trees	22
<i>Basic definitions</i>	22
<i>A Micronesian prestige-good system</i>	30
<i>“Recursive dualism” in Austronesian classification systems</i>	35
<i>Cognatic kinship networks</i>	43
<i>Cycle rank and network connectedness</i>	45
3 The minimum spanning tree problem	51
<i>Dialect groups and marriage isolates in the Tuamotus</i>	52
<i>The evolution of the Lakemban matanitu</i>	66
<i>The Renfrew–Sterud method of close-proximity analysis</i>	75
<i>On deconstructing a network</i>	89
4 Search trees: I	90
<i>Independent discoveries of the conical clan</i>	92
<i>Social stratification in Polynesia</i>	101
<i>A structural model of the conical clan</i>	107
<i>Prestige-good systems</i>	116
5 Search trees: II	125
<i>The Marshallese conical clan</i>	126
<i>The devolution of social organization in Nuclear Micronesia</i>	142

Cambridge University Press

978-0-521-55232-5 - Island Networks: Communication, Kinship, and Classification  
Structures in Oceania

Per Hage and Frank Harary

Table of Contents

[More information](#)

viii	<i>Contents</i>	
	<i>Search trees and the organization of genealogical knowledge</i>	162
6	Centrality	165
	<i>Southern Lau, Fiji: "A natural trade area"</i>	166
	<i>Power centers in the Greater Lauan trade network</i>	174
	<i>Political and mythological centers in Ralik and Ratak</i>	178
	<i>Expeditions in Torres Strait</i>	180
	<i>On the position of Delos in the Archaic Aegean network</i>	194
	<i>Self-centered networks</i>	201
7	Dominating sets	204
	<i>Local domination in the Caroline Islands</i>	205
	<i>Alliance structures in the western Tuamotus</i>	207
	<i>Pottery monopolies in Melanesian trade networks</i>	212
8	Digraphs	218
	<i>Basic definitions</i>	219
	<i>Murdock's maze: The bilateral hypothesis of Proto-Malayo-Polynesian social organization</i>	222
	<i>Sibling classification and culture history in Island Oceania</i>	231
9	Conclusion	262
	<i>References</i>	269
	<i>Index</i>	289