Contents

List of figures page vii
List of tables viii
List of contributors ix
Foreword by Frans B. M. de Waal xi
Acknowledgments xiii

1 The study of the blush: Darwin and after 1
W. Ray Crozier and Peter J. de Jong

Part I The nature of the blush 13
2 Psychophysiology of the blush 15
Peter D. Drummond
3 Measurement of the blush 39
Ruth Cooper and Alexander L. Gerlach

Part II Theoretical perspectives on the blush 61
4 Psychological theories of blushing 63
Mark R. Leary and Kaitlin Toner
5 Colours of the face: a comparative glance 77
Jan A. R. A. M. van Hooff
6 Self-conscious emotional development 100
Hedy Stegge
7 A biosocial perspective on embarrassment 120
Ryan S. Darby and Christine R. Harris
8 The affective neuroscience of human social anxiety 147
Vladimir Miskovic and Louis A. Schmidt
<table>
<thead>
<tr>
<th>Part III</th>
<th>The blush in social interaction</th>
<th>183</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>The interactive origins and outcomes of embarrassment&lt;br&gt;Rowland S. Miller</td>
<td>185</td>
</tr>
<tr>
<td>10</td>
<td>Performing the blush: a dramaturgical perspective&lt;br&gt;Susie Scott</td>
<td>203</td>
</tr>
<tr>
<td>11</td>
<td>Blushing and the private self&lt;br&gt;W. Ray Crozier</td>
<td>222</td>
</tr>
<tr>
<td>12</td>
<td>Signal value and interpersonal implications of the blush&lt;br&gt;Peter J. de Jong and Corine Dijk</td>
<td>242</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Part IV</th>
<th>Blushing problems: processes and interventions</th>
<th>265</th>
</tr>
</thead>
<tbody>
<tr>
<td>13</td>
<td>Red, hot and scared: mechanisms underlying fear of blushing&lt;br&gt;Cornie Dijk and Peter J. de Jong</td>
<td>267</td>
</tr>
<tr>
<td>14</td>
<td>Psychological interventions for fear of blushing&lt;br&gt;Michelle C. Capozzoli, Imke J. J. Vonk, Susan M. Bögels and Stefan G. Hofmann</td>
<td>286</td>
</tr>
<tr>
<td>15</td>
<td>Psychophysiological aspects of rosacea&lt;br&gt;Peter D. Drummond and Daphne Su</td>
<td>308</td>
</tr>
<tr>
<td>16</td>
<td>Conclusions, what we don’t know and future directions for research&lt;br&gt;W. Ray Crozier and Peter J. de Jong</td>
<td>327</td>
</tr>
</tbody>
</table>

Index | 345 |
Figures

2.1 Making a mistake evokes blushing  
2.2 Distribution of parasympathetic vasodilatation, sympathetic vasoconstriction and active sympathetic vasodilatation in the face  
2.3 Effect of an injury to the sympathetic pathway to the face on facial flushing  
2.4 Cognitive model of fear of blushing  
3.1 Photoplethysmogram  
7.1 Embarrassment and delay or avoidance of medical care  
8.1 Midsagittal (a) and coronal (b) sections of the human brain  
15.1 Hypothesized link between psychological factors and symptoms of rosacea
# Tables

8.1 A selected summary of studies on the neural correlates of social anxiety  
9.1 The sources of embarrassment in social life  
9.2 Actors’ primary responses to their embarrassment  
11.1 Categories in content analysis  
11.2 Blushing episodes categorized as shame occasions  
11.3 Distributions of numbers of categories coded within individual protocols (percentage data)  
14.1 Summary of treatment studies for fear of blushing