Everyone working in and with organizations will, from time to time, experience frustrations and problems when trying to accomplish tasks that are a required part of their role. This is an unusual routine – a recurrent interaction pattern in which someone encounters a problem when trying to accomplish normal activities by following standard organizational procedures and then becomes enmeshed in wasteful and even harmful subroutines while trying to resolve the initial problem. They are unusual because they are not intended or beneficial, and because they are generally pervasive but individually infrequent. They are routines because they become systematic as well as embedded in ordinary functions. Using a wide range of case studies and interdisciplinary research, this book provides researchers and practitioners with a new vocabulary for identifying, understanding, and dealing with this pervasive organizational phenomenon, in order to improve worker and customer satisfaction as well as organizational performance.

Ronald E. Rice is Arthur N. Rupe Chair in the Social Effects of Mass Communication and Co-Director of the Carsey-Wolf Center for Film, Television, and New Media at the University of California, Santa Barbara. He is the author of several books, the most recent of which include *The Internet and Health Care* (with Monica Murero, 2006) and *Media Ownership* (2008).

Stephen D. Cooper is Professor of Communication Studies at Marshall University, where he teaches courses in business and professional communication, computer-mediated communication, group communication, organizational communication, and research foundations. He is the author of *Watching the Watchdog: Bloggers as the Fifth Estate* (2006).
## Contents

*List of figures*  
*List of tables*  
*List of boxes*  
*Preface*  
*Acknowledgments*

1 Crazy systems, Kafka circuits, and unusual routines  
   Two stories of mundane complexity and dysfunctional feedback  
   Crazy systems  
   Unusual routines  
   The rest of the book

2 Causes, symptoms, and subroutines of unusual routines in six computer information/communication systems  
   Causes of unusual routines in three ICTs  
   Causes, symptoms, and subroutines of unusual routines in three ICTs  
   Conclusion

3 Getting personal: unusual routines at the customer service interface  
   Customer service, dissatisfaction, and complaining  
   Examples and analysis of unusual service subroutines, routines, and organizational (non-)response  
   Conclusion

4 A multi-theoretical foundation for understanding unusual routines  
   Five foundational theories for a preliminary model of unusual routines  
   Developing a preliminary model of unusual routines
## Contents

<table>
<thead>
<tr>
<th>Chapter</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Five propositions</td>
<td>149</td>
</tr>
<tr>
<td>Conclusion</td>
<td>152</td>
</tr>
<tr>
<td>5 A detailed case study of unusual routines</td>
<td>155</td>
</tr>
<tr>
<td>Method</td>
<td>155</td>
</tr>
<tr>
<td>Proposition One</td>
<td>160</td>
</tr>
<tr>
<td>Proposition Two</td>
<td>167</td>
</tr>
<tr>
<td>Proposition Three</td>
<td>173</td>
</tr>
<tr>
<td>Proposition Four</td>
<td>177</td>
</tr>
<tr>
<td>Proposition Five</td>
<td>191</td>
</tr>
<tr>
<td>Conclusion</td>
<td>199</td>
</tr>
<tr>
<td>6 Summary and discussion of the case study results</td>
<td>200</td>
</tr>
<tr>
<td>Proposition One</td>
<td>200</td>
</tr>
<tr>
<td>Proposition Two</td>
<td>201</td>
</tr>
<tr>
<td>Proposition Three</td>
<td>201</td>
</tr>
<tr>
<td>Proposition Four</td>
<td>202</td>
</tr>
<tr>
<td>Proposition Five</td>
<td>203</td>
</tr>
<tr>
<td>Discussion</td>
<td>204</td>
</tr>
<tr>
<td>Conclusion</td>
<td>215</td>
</tr>
<tr>
<td>7 Individual and organizational challenges to feedback</td>
<td>217</td>
</tr>
<tr>
<td>Feedback challenges inherent in human communication behaviors</td>
<td>218</td>
</tr>
<tr>
<td>Feedback challenges inherent in organizations</td>
<td>227</td>
</tr>
<tr>
<td>Conclusion</td>
<td>249</td>
</tr>
<tr>
<td>8 A multi-level and cross-disciplinary summary of concepts related to unusual routines</td>
<td>252</td>
</tr>
<tr>
<td>Cognitive and social processing errors</td>
<td>252</td>
</tr>
<tr>
<td>Social traps and dilemmas</td>
<td>266</td>
</tr>
<tr>
<td>Organizational complexity</td>
<td>269</td>
</tr>
<tr>
<td>Organizational paradoxes</td>
<td>274</td>
</tr>
<tr>
<td>Organizational deviance</td>
<td>280</td>
</tr>
<tr>
<td>Technological complexity</td>
<td>287</td>
</tr>
<tr>
<td>Conclusion</td>
<td>305</td>
</tr>
<tr>
<td>9 Recommendations for resolving and mitigating unusual routines and related phenomena</td>
<td>306</td>
</tr>
<tr>
<td>Encourage customer service feedback from all stakeholders</td>
<td>306</td>
</tr>
<tr>
<td>Apply socio-technical systems theory, involve stakeholders from design through walkarounds</td>
<td>310</td>
</tr>
</tbody>
</table>
Reduce blaming and defensive approaches to
cognitive dissonance 312
Manage paradoxes and sensemaking 314
Foster learning through feedback 317
Heighten awareness of predictable surprises and
avoid overreacting to worst-case scenarios 319
Understand and resolve social traps and social dilemmas 320
Discuss and resolve conflicting goals, vicious cycles, and
workplace deviance 321
Avoid simple and individual approaches to complex
technology and system error 322
Apply and combine linkage and routines analysis 325
Conclusion 329

10 Summary and a tentative integrated model of
unusual routines 331
The allure of unusual routines 331
Our preliminary models 333
A proposed integrative model of unusual routines 336
Conclusion 342

References 344
Index 373
Figures

1.1 Initial model of unusual routines, derived from Singer's crazy systems model  page 19
4.1 Extended model of unusual routines  153
6.1 Dynamics of single-loop and double-loop learning in unusual routines  208
10.1 Concept-level integrated model of unusual routines  337
Tables

3.1 Model of unusual routines, expanded from Singer’s model of crazy systems  page 101
3.2 Aspects of unusual routines in the case examples  103
4.1 Aspects of routines, workarounds, and meta-routines  140
4.2 Conceptual rationales associated with each proposition  152
5.1 Interview guide  157
5.2 Examples of subroutines in the case  197
6.1 Working taxonomy of the single-loop process from the case  209
6.2 Working taxonomy of the double-loop process from the case  210
7.1 Development of defensive routines  246
10.1 Primary components of general concepts in Figure 10.1  338
Boxes

2.1 Summary of causes and symptoms of unusual routines in six ICT implementation cases  
7.1 Summary of individual and organizational challenges to feedback  
8.1 Individual processing heuristics, with example application to unusual routines  
8.2 Organizational and social processes, with example application to unusual routines  
9.1 Recommendations for avoiding, analyzing, mitigating, and resolving unusual routines and related processes
Preface

When something goes wrong
I’m the first to admit it
I’m the first to admit it
And the last one to know.
When something goes right
It’s likely to lose me
It’s apt to confuse me
It’s such an unusual sight.

(Paul Simon, *Something So Right*, © 1973)

This book identifies, describes, and analyzes the pervasive and frustrating experiences people have with dysfunctional feedback in organizational and societal contexts, by showing that they are symptoms and consequences of unusual routines. An unusual routine is a recurrent interaction pattern in which someone encounters a problem in trying to accomplish normal activities by following procedures, then becomes enmeshed in wasteful and even harmful subroutines while trying to resolve the initial problem, creating and reinforcing unintended and (typically) undesirable outcomes, to some set of people, subsystems, organization, or society, either within or across system levels (or both). Often, the feedback loops about this initial unusual routine are either non-existent, dysfunctional, or deviation-reinforcing, creating a second-level, or meta-, routine. The term “unusual routines” is intentionally oxymoronic. The processes and consequences, when known, would be considered unusual, unacceptable, or negative by one or more stakeholders. Although the phenomenon is pervasive, any particular instance may be infrequent and difficult to identify. Nonetheless, the process and consequences are systematic, to the point where they become routinized and embedded in other routines. The subtitle emphasizes that the book takes a social systems analysis
Preface

XII

perspective, although technical aspects of information and communication systems also play a role throughout the book.

Chapter 1 begins the book by reviewing the inspiration for this work, Benjamin Singer’s concepts of crazy systems and Kafka circuits, and introducing an initial, more general, model of unusual routines. The following chapters provide a wide range of empirical case analyses, from implementation of information and communication technology systems (Chapter 2), and unsatisfying customer service interactions (Chapter 3), to a detailed analysis of the implementation of a university networking system (Chapters 5 and 6). Each of these attempts to advance an interdisciplinary model of unusual routines. The foundations for an interdisciplinary model of unusual routines, based in systems theory, sensemaking theory, diffusion of innovation theory, socio-technical systems theory, and, especially, organizational routines theory appear in Chapter 4.

Interestingly, while many theoretical and pragmatic approaches to problems such as unusual routines recommend increased feedback, Chapter 7 shows, through a broad review of literature, that the process of feedback itself is often quite problematic, and even implicated in the generation and reinforcement of unusual routines. Feedback is treated from both a communication and an organizational perspective as a complex and often dysfunctional process, involving activities such as ignoring available information, seeking versus receiving, discourse and language, multiple layers of content and relation, reflexive loops and undesirable repetitive patterns, skilled incompetence and competence contradictions, reporting errors, feedback timing, tensions between behavior and learning, organizational memory, the unreasonableness of rational systems, vicious circles, and defensive routines.

Chapter 8 is specifically intended to show how this common and pervasive experience is related to, and a generalized example of, many other issues, such as tragedy of the commons, social traps and social dilemmas, personal heuristics, cognitive dissonance, errors in logic, predictable surprises and worst-case scenarios, organizational complexity, unanticipated consequences, organizational paradoxes, organizational deviance and employee mistreatment, technology complexity, system manipulation, normal accidents, automated systems and system error, system drift and workarounds, among others. Chapter 9 reviews a variety of recommendations, derived from the
research and theories underlying the prior chapters, about ways to help avoid, mitigate, resolve, or at least identify, unusual routines. Chapter 10 integrates the main arguments and insights from each chapter, providing a tentative comprehensive model of, and initial suggestions for analyzing, unusual routines. The reference section provides an extremely broad and diverse set of sources for these chapters. Both the table of contents and the index provide multiple access points into the materials.

The first intended contribution of this book is an identification and articulation of a set of core concepts, terms, and recommendations about unusual routines, leading to an integrated model of unusual routines, that will help researchers, practitioners, designers, customers, and clients identify, analyze, and possibly mitigate this pervasive but sometimes invisible phenomenon. The second intended contribution is an implicit critique of the idealizing of functional approaches to systems and routines, and of sensemaking theory, as social, communicative processes that necessarily counter organizational dysfunctions and necessarily create social benefits for all concerned. The third intended contribution is an emphasis on the experiences, perceptions, and implications of users, consumers, clients, employees, supervisors, and administrators, rather than, as is usual in information systems or organizational behavior books, executives, strategists, and industries, or, as are often the focus of psychology or user interface books, specific individuals.
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The cases in Chapter 2 are substantially edited, reorganized, and integrated versions of six course projects. In these projects, the graduate students, all working professionals, were asked to use the initial unusual routine model to interpret and critique behaviors and events in their own organizations. The first three systems examples are derived from papers written for Rice’s 1995 course on “Social Aspects of Implementing Technology” at the Macquarie University Graduate School of Management, Sydney, Australia. The labor cost management system is based on Richard Hale’s study, Martin Dare provided the analysis of the Home Sale Automation system, and Elizabeth Barclay reported on the voicemail system. The next two cases came from projects for Rice’s course, “Management and Information Technology”, at the University of Southern California Annenberg School of Communication. The technical issue help system case was provided by Tina Phoenix, and the online database query system case by Brian McGee. Finally, the employee time reporting systems case came from a study by Ann Bemis for Rice’s course “Social Aspects of Implementing Information Systems” at Rutgers University’s School of Communication, Information and Library Science. We appreciate the contributions and insights of Elizabeth Barclay, Ann Bemis, Martin Dare, Richard Hale, Brian McGee, and Tina Phoenix, and their permission to allow us to work with their case materials.
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