

Contents

Preface: The Aims of This Edition	xi
Our Debts	xv
I RESEARCH, RESEARCHERS, AND READERS	1
PROLOGUE: BECOMING A RESEARCHER	3
1 Thinking in Print: The Uses of Research, Public and Private	9
1.1 What Is Research?	10
1.2 Why Write It Up?	11
1.3 Why a Formal Report?	13
1.4 Writing Is Thinking	14
2 Connecting with Your Reader: (Re-)Creating Yourself and Your Readers	16
2.1 Creating Roles for Yourself and Your Readers	16
2.2 Understanding Your Role	18
2.3 Imagining Your Reader's Role	20
☆ <i>Quick Tip: A Checklist for Understanding Your Readers</i>	26
II ASKING QUESTIONS, FINDING ANSWERS	29
PROLOGUE: PLANNING YOUR PROJECT—AN OVERVIEW	31
☆ <i>Quick Tip: Creating a Writing Group</i>	34
3 From Topics to Questions	35
3.1 From an Interest to a Topic	36

3.2	From a Broad Topic to a Focused One	39	7.3	Acknowledging and Responding to Anticipated Questions and Objections	112
3.3	From a Focused Topic to Questions	40	7.4	Warranting the Relevance of Your Reasons	114
3.4	From a Question to Its Significance	45	7.5	Building a Complex Argument Out of Simple Ones	116
☆	<i>Quick Tip: Finding Topics</i>	49	7.6	Creating an Ethos by Thickening Your Argument	117
4	From Questions to a Problem	51	☆	<i>Quick Tip: A Common Mistake—Falling Back on What You Know</i>	119
4.1	Distinguishing Practical and Research Problems	52	8	Making Claims	120
4.2	Understanding the Common Structure of Problems	54	8.1	Determining the Kind of Claim You Should Make	120
4.3	Finding a Good Research Problem	62	8.2	Evaluating Your Claim	122
4.4	Learning to Work with Problems	64	☆	<i>Quick Tip: Qualifying Claims to Enhance Your Credibility</i>	127
☆	<i>Quick Tip: Manage the Unavoidable Problem of Inexperience</i>	66	9	Assembling Reasons and Evidence	130
5	From Problems to Sources	68	9.1	Using Reasons to Plan Your Argument	130
5.1	Knowing How to Use Three Kinds of Sources	68	9.2	Distinguishing Evidence from Reasons	131
5.2	Locating Sources through a Library	70	9.3	Distinguishing Evidence from Reports of It	133
5.3	Locating Sources on the Internet	75	9.4	Evaluating Your Evidence	135
5.4	Evaluating Sources for Relevance and Reliability	76	10	Acknowledgments and Responses	139
5.5	Following Bibliographical Trails	80	10.1	Questioning Your Argument as Your Readers Will	140
5.6	Looking beyond Predictable Sources	81	10.2	Imagining Alternatives to Your Argument	142
5.7	Using People as Primary Sources	81	10.3	Deciding What to Acknowledge	143
☆	<i>Quick Tip: The Ethics of Using People as Sources of Data</i>	83	10.4	Framing Your Responses as Subordinate Arguments	145
6	Engaging Sources	84	10.5	The Vocabulary of Acknowledgment and Response	146
6.1	Knowing What Kind of Evidence to Look For	85	☆	<i>Quick Tip: Three Predictable Disagreements</i>	150
6.2	Record Complete Bibliographical Data	85	11	Warrants	152
6.3	Engaging Sources Actively	87	11.1	Warrants in Everyday Reasoning	153
6.4	Using Secondary Sources to Find a Problem	88	11.2	Warrants in Academic Arguments	154
6.5	Using Secondary Sources to Plan Your Argument	92	11.3	Understanding the Logic of Warrants	155
6.6	Recording What You Find	95	11.4	Testing Whether a Warrant Is Reliable	156
☆	<i>Quick Tip: Manage Moments of Normal Anxiety</i>	101	11.5	Knowing When to State a Warrant	162
III	MAKING A CLAIM AND SUPPORTING IT	103	11.6	Challenging Others' Warrants	164
	PROLOGUE: ASSEMBLING A RESEARCH ARGUMENT	105	☆	<i>Quick Tip: Two Kinds of Arguments</i>	169
7	Making Good Arguments: An Overview	108			
7.1	Argument as a Conversation with Readers	108			
7.2	Supporting Your Claim	110			

IV PLANNING, DRAFTING, AND REVISING	171		
PROLOGUE: PLANNING AGAIN	173		
☆ <i>Quick Tip: Outlining and Storyboarding</i>	175		
12 Planning	177		
12.1 Avoid Three Common but Flawed Plans	177		
12.2 Planning Your Report	179		
13 Drafting Your Report	187		
13.1 Draft in a Way That Feels Comfortable	187		
13.2 Use Key Words to Keep Yourself on Track	188		
13.3 Quote, Paraphrase, and Summarize Appropriately	188		
13.4 Integrating Direct Quotations into Your Text	189		
13.5 Show Readers How Evidence Is Relevant	190		
13.6 Guard against Inadvertent Plagiarism	191		
13.7 The Social Importance of Citing Sources	195		
13.8 Four Common Citation Styles	197		
13.9 Work through Procrastination and Writer's Block	199		
☆ <i>Quick Tip: Indicating Citations in Your Text</i>	200		
14 Revising Your Organization and Argument	203		
14.1 Thinking Like a Reader	204		
14.2 Revising the Frame of Your Report	204		
14.3 Revising Your Argument	206		
14.4 Revising the Organization of Your Report	207		
14.5 Check Your Paragraphs	209		
14.6 Let Your Draft Cool, Then Paraphrase It	209		
☆ <i>Quick Tip: Abstracts</i>	211		
15 Communicating Evidence Visually	213		
15.1 Choosing Visual or Verbal Representations	213		
15.2 Choosing the Most Effective Graphic	214		
15.3 Designing Tables, Charts, and Graphs	216		
15.4 Specific Guidelines for Tables, Bar Charts, and Line Graphs	220		
15.5 Communicating Data Ethically	226		
16 Introductions and Conclusions	232		
16.1 The Common Structure of Introductions	232		
		16.2 Step 1: Establish Common Ground	235
		16.3 Step 2: State Your Problem	237
		16.4 Step 3: State Your Response	241
		16.5 Setting the Right Pace for Your Introduction	242
		16.6 Writing Your Conclusion	244
		16.7 Finding Your First Few Words	245
		16.8 Finding Your Last Few Words	247
		☆ <i>Quick Tip: Titles</i>	248
17 Revising Style: Telling Your Story Clearly	249		
17.1 Judging Style	249		
17.2 The First Two Principles of Clear Writing	251		
17.3 A Third Principle: Old before New	260		
17.4 Choosing between Active and Passive	262		
17.5 A Final Principle: Complexity Last	264		
17.6 Spit and Polish	267		
☆ <i>Quick Tip: The Quickest Revision Strategy</i>	268		
V SOME LAST CONSIDERATIONS	271		
		The Ethics of Research	273
		A Postscript for Teachers	277
		Appendix: Bibliographical Resources	283
		Index	313