TECHNICAL COMMUNICATION

A Reader-Centered Approach

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Fourth Edition

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PAUL V. ANDERSON

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Preface

The world of technical communication has changed in dramatic and exciting ways since the appearance of this book's previous edition only four years ago. The explosive increase in use of the Internet is but one of several extraordinary events that have profoundly influenced the ways we communicate. Additionally, there have been substantial advances in the ways we think about and teach our subject. In creating this new edition of *Technical Communication: A Reader-Centered Approach,* I have introduced many innovations—including an extensive Web site for you and your students—that respond to these changes. At the same time, I've retained the book's distinctive strategies that, over the years, have proven successful for instructors and students alike.

New features include an extensive Web site for instructors and students.

READER-CENTERED APPROACH REMAINS

Most importantly, this remains a process-oriented textbook in which the central advice to students remains the same: think constantly about your readers—whether you are preparing messages that will be read on paper or viewed on a computer screen. As in earlier editions, every chapter, reference guide, and appendix conveys specific, useful advice built upon the hard-won insights that researchers have gained concerning the ways people read in the workplace.

The reader-centered approach unifies all of the book's advice.

By following the book's easy-to-remember guidelines, your students can become confident, flexible, resourceful writers who know how to size up a situation and then plan and draft a communication that will achieve an outcome that they and their readers both desire.

EXPANDED COVERAGE OF COMPUTER AND INTERNET COMMUNICATION

Many of the innovations to this edition reflect the significant increase in the use of computers as a tool for creating communications and as a medium for presenting them to readers. Here are some of the major new topics.

New chapter on electronic communication.

- **Creating e-mail, Web pages, and Web sites.** A new chapter (Chapter 15) on creating computer-based communications provides up-to-date advice for using e-mail, creating Web pages, and constructing informational Web sites of the kind prepared in the workplace. To illustrate, I've included many fully annotated screen shots. For students new to Web design, the chapter describes the most commonly used HTML tags.
- **Preparing electronic resumes.** At many companies, resumes from job applicants are scanned first by computers, not people. Chapter 2 includes a new section that tells students how to create effective computer-scannable resumes, ASCII resumes, and Web resumes.

Guidance for Web research.

- **Conducting research on the Internet.** A new section in the reference guide on research methods leads students through the process of conducting Internet research. To help students use the Web effectively, the section also explains how search engines work. In addition, it includes a new discussion that helps students perform the tricky task of evaluating information found on the Web.
- **Creating on-line instructions.** A new section in Chapter 20 supplements the coverage concerning paper-based instructions with advice for creating instructions that will be used on-screen.

Advice for taking fuller advantage of word-processing programs.

- **Using advanced word-processing features.** Standard word-processing programs now include several features—some very little used—that can aid writers at various stages of the writing process. Chapter 4 includes a new discussion of word-processing aids for outlining; Chapter 12 incorporates new advice on using "styles" when creating page designs, and Chapter 13 includes an updated discussion of features that check grammar, analyze writing style, and automatically compare two drafts of a communication to identify the differences between them.
- **Using electronic library resources.** Libraries are now as much on-line as on-the-shelf. A new section in the reference guide on research methods teaches students to use electronic card catalog systems and discusses other resources available in wired libraries.

ADDITIONAL COVERAGE OF OTHER TOPICS

I've also made numerous improvements in other areas, many based on suggestions generously provided by instructors and by students.

- **Writing collaboratively.** A new chapter consolidates the book's advice for working on collaborative writing teams. (Chapter 17)

- **Evaluating research results.** A new discussion helps students evaluate information they find through their research. (Chapter 6)
- **Citing sources.** A completely revised and updated appendix explains both the new MLA style and the current APA style. (Appendix B)
- **Designing pages and screens.** New guidelines for page design augment the already strong chapter on the visual design of technical communications. (Chapter 12)
- **Describing an object.** An expanded treatment of this important skill includes an extended example from the professional world. (Reference guide on organizational patterns)

Many sample documents.   In addition, a multitude of new, thoroughly annotated sample documents illustrate the practical application of the book's advice.

WEB SITE FOR INSTRUCTORS AND STUDENTS

Just as the Internet allows technical communication courses to move beyond classroom and library walls, so too has it allowed me to create a textbook that permits you and your students to move beyond its covers.

Located at http://english.harbrace.com/techw/anderson, the site offers the following for instructors:

- Complete instructor's manual.
- Sample syllabi created by faculty at a variety of colleges and universities.
- Additional exercises and cases.
- PowerPoint presentations that can be downloaded for use during class.
- Editable versions of various planning guides and checklists for distribution to students.
- An on-line forum where we instructors can exchange ideas, share teaching materials, answer one another's questions, and discuss issues of mutual interest.
- Links to other valuable sites.
- Bibliography of articles on technical communication and its teaching.

For students, the site offers:

Web site features for students.

- Career information and job-hunting tips.
- Links to Internet resources for projects.
- Additional sample documents.
- A forum for interacting with students at other schools.
- A chance to view outstanding work by other students and possibly display their own.

A printed instructor's manual is also available. Contact your Harcourt representative.

ADDITIONAL RESOURCES

Separately available are two popular supplements, written especially to accompany this book:

- **Style and Usage Guide** by C. Gilbert Storms (Miami University, Ohio). If some or all of your students would benefit from extra study in this area, Dr. Storms' book provides a brief, inexpensive, and very effective supplement. Carefully coordinated with the textbook, it covers the points of grammar, punctuation, diction, and similar matters that most often puzzle technical-writing students. Where appropriate, it includes exercises.
- **Technical Writing Guide for Nonnative Speakers of English,** by Robert M. Brown (Oklahoma State University), H. Young Kim (Cornell University), and Rebecca L. Damron (Oklahoma State University). This second, brief supplement enables you to provide rhetorically based instruction for your students who are second-language speakers of English. Fully coordinated with the textbook, it extends well beyond sentence-level issues to help international students understand such matters as typical reader preferences in the United States, as well as the organizational principles, rhetorical strategies, and conventions about visual aids that prevail here. It also includes special discussions of collaborative writing and plagiarism that are addressed to students from other cultures. If your class mixes native and nonnative speakers, you can have both groups work with the same basic text, then use this supplement with those who were not born into our culture.

CONCLUSION

In sum, I feel particularly proud of this new edition of *Technical Communication: A Reader-Centered Approach.* I think you and your students will find it informative, useful, and fun.

My work on this edition has emphasized for me even more forcefully than before the extent to which every book is truly a collaborative effort. I've benefited from many forms of assistance, especially the advice of instructors and students who have graciously shared their ideas with me. I invite you to join the on-line forums at the book's Web site, and I assure you that I will read your contributions with interest. In addition, please feel welcome to contact me directly at any of the following addresses:

Please share your ideas with me.

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Oxford, Ohio

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