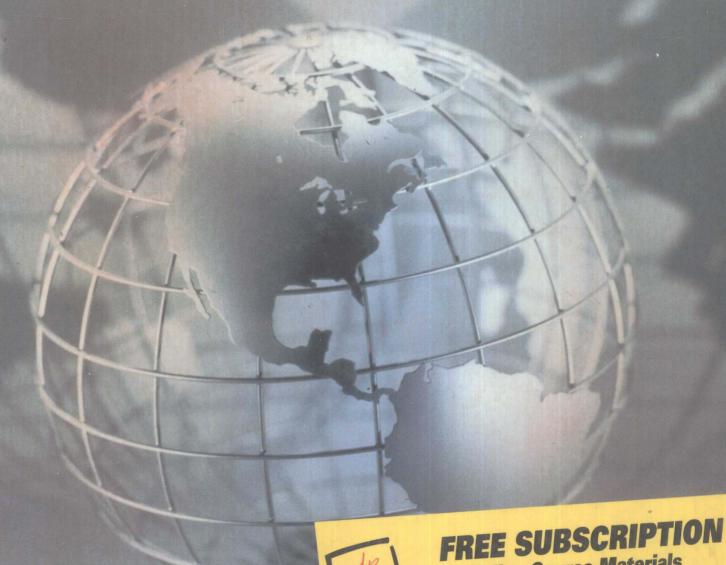
THE World OF PSYCHOLOGY





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Fourth Edition

The World of Psychology

Fourth Edition

Samuel E. Wood

Lindenwood University

Ellen Green Wood

ALLYN AND BACON

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Between the time web site information is gathered and then published, it is not unusual for some sites to have closed. Also, the transcription of URLs can result in unintended typographical errors. The publisher would appreciate notification where these occur so that they may be corrected in subsequent editions.

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Credits appear on pages C-1 and C-2, which constitute a continuation of the copyright page.

Just for Students: How This Textbook Can Help You Study

e all learn best when we can apply new concepts to the world we know. *The World of Psychology* allows you to do just that. Highly interactive *and* active, clearly written, and thoroughly up to date, this textbook will encourage you to think for yourself as you learn about, relate to, and apply the principles of psychology that affect your life.

So that you can make the most of all the material in the following pages, this textbook package incorporates a number of helpful features and supplementary items.



This may sound crazy, but you will actually enjoy reading this textbook. It has received very positive responses from students and has been praised first and foremost for its writing style. The style is conversational, and the text uses numerous everyday examples and realistic analogies to help you grasp even the most complex concepts. A chapter opening vignette introduces each chapter's topics with a dramatic real-life story—one that is memorable and directly related to the chapter's content.

You'll be especially interested in the stories of:

- Michael J. Fox, who for 7 years kept the secret of his affliction with Parkinson's disease and then made the decision to retire from acting to spend more time with his family
- Ronald Cotton, who was sent to jail for a rape he didn't commit, based on the faulty memory of the victim
- Christopher Reeve, who works every day to turn the tragedy of his paralysis into a blessing
- S.B., a blind man who had surgery to regain his sight but then couldn't function in his new vision-based world
- The Milgram study, in which volunteers for an experiment demonstrated sadistic tendencies when asked to deliver electric shocks to others
- Robert, a child raised by monkeys who was found in the African jungle
- Bill, who has a phobia of popping balloons

Health and Stress

Stress: What Is It?

Evaluating Life Stress: Major Life Changes, Hassles, and Uplifts

Sources of Stress The Common and the Extreme

Theories of Stress

Coping with Stress

Health and Illness

Lifestyle and Health

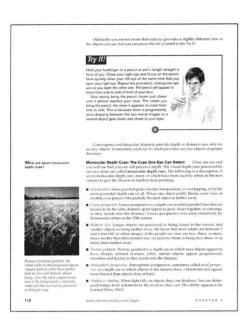
any of us were introduced to him in the late 1990s as Alex P. Keaton, an endearing, Republican-to-the-core teen on the hit TV series Family Ties. Others loved him as Marty McFly, racing through time in a DeLorean in the Back to the Future trilogy. Still others came to know him best when he returned to prime time in 1996, portraying Michael Flaherty, New York's deputy mayor, on ABC's Spin City. A rich and famous, award-winning actor, with millions of adoring fans, Michael J. Fox's future looked bright.

Then, at the age of 30, Fox was diagnosed with Parkinson's disease, a debilitating degenerative disease that strikes the neural circuits in the brain that control movement. Symptoms of Parkinson's are slow or jerky movements, tremor, and garbled speech. This progressive disease worsens with time, and it is terminal.

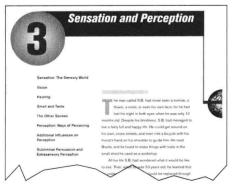
For 7 long years, Fox kept his disease a secret from everyone but his family. He continued with his career at full tilt, appearing in more than a dozen films and TV shows, while also producing and directing. Later, in his testimony to a Senate subcommittee, Fox said, "While the changes in my life were profound and progressive, I kept them to myself for a number of reasons: fear, denial for sure, but I also felt that it was important for me to just quietly "soldier on."

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Interact with Your Textbook

What better way to learn new material—to make it fresh, interesting, and memorable—than to demonstrate for yourself the principles discussed? The unique *Try It!* features encourage you to learn by doing. The highly praised *Try Its!* provide simple experiments, self-assessments, and activities that you can perform without elaborate equipment, usually as you read.

Research has shown that checking your progress at key points as you study helps you remember what you have read. Another way you can interact

with this textbook is by taking the *Remember It!* quizzes at the ends of the main text sections.

Finally, you'll have a chance to relate psychological principles to your own life in the *Apply It!* section at the end of each chapter. Each *Apply It!* helps you apply psychology to problems and issues that may affect your personal life. Among the wide range of topics addressed are these:

- Kicking your caffeine habit
- Beating procrastination
- Dealing with road rage
- Practicing good prenatal care
- Improving your creativity
- Overcoming the fear of public speaking
- Practicing good study habits
- Improving date-seeking skills
- Building good relationships
- Avoiding bad decisions
- Improving your memory

Culture and Altered States of Consciousness In every solitors around the world, and throughout records bistory, human brings have been deeper solitors. The condition of processors are former when of solitors from the condition of the condition

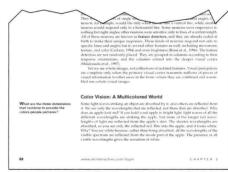
A Formula for Success

This textbook is organized to help you maximize your learning by following five steps: Survey, Question, Read, Recite, and Review. Together, these are known as the *SQ3R* method. You will learn and remember more if, instead of simply reading each chapter, you follow these steps. Here's

how they work.

1. Survey First, scan the chapter you are going to read. The chapter outline helps you preview the content and its organization.

Read the section headings and the *learning objective questions*, (located in the margins), which are designed to focus your attention on key information that you should learn and remember.



Glance at the illustrations and tables, including the *Review & Reflect* tables, which organize, review, and summarize key concepts.

Then read the *Summary and Review*, located at the end of each chapter. This survey process gives you an overview of the chapter.

- **2. Question** Before you actually read each section in a chapter, turn its heading into one or more questions. Some sections provide one or more learning objective questions, but you can also jot down questions of your own. For example, one heading in Chapter 1 is "The Goals of Psychology." The learning objective question is "What are the four goals of psychology?" You might add this question: "What is meant by 'control' as a goal of psychology?" Asking such questions helps focus your reading.
- **3. Read** Read the section. As you read, try to answer the learning objective question(s) *and* your own question(s). After reading the section, stop. If the section is very long or if the material seems especially difficult or complex, you should pause after reading only one or two paragraphs.
- **4. Recite** After reading part or all of a section, try to answer the learning objective question(s) and your own question(s). To better grasp each topic, write a short summary of the material. If you have trouble summarizing a topic or answering the questions, scan or read the section once more before trying again.

When you have mastered one section, move on to the next. If the text does not include a learning objective question, formulate your own. Then read and recite, answering your question or writing a brief summary as before.

5. Review Each major section in the book ends with a *Remember It!* that consists of a few questions about the preceding topics. Interspersed throughout each chapter, these quizzes cover the material emphasized by the learning objective questions. Answer the *Remember It!* questions, and check your answers against those provided. If you make errors, quickly review the preceding material until you know the answers.

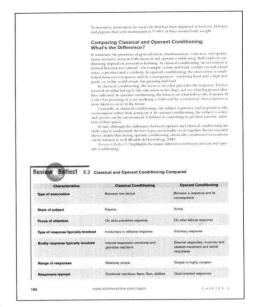
When you have finished a chapter, revisit the *Remember Its!* and then turn to the *Summary and Review*. Review the *Key Terms*. If you don't know the meaning of a term, turn to the page where that term is defined in the margin. The *mar*-

ginal definitions provide a ready reference for important key terms that appear in boldface print in the text. All of these terms and definitions also appear in the Glossary at the end of the book.

Next, review each learning objective question in the *Summary and Review* and answer it in your own words. The answers provided are only condensed reminders, and you should be able to expand on them.

Finally, consider the thought-provoking questions in the *Thinking Critically* section under the three headings *Evaluation*, *Point/Counterpoint*, and *Psychology in Your Life*. Answering these questions requires more than simple memorization. These critical thinking questions give you the chance to reassure yourself that you really understand the information presented in the chapter.







And for Some Extra Practice . . .

Several items that supplement this textbook (listed below) may be available at your school's bookstore. Check with your instructor.

Study Guide The comprehensive and innovative *Study Guide*, written by Dan Kelts and Guy Aylward of Illinois Central College, incorporates the tried-and-tested SQ3R learning technique in a variety of exercises for each chapter.

Practice Tests Your instructor may require that the *Practice Tests* booklet be bundled with your text. Multiple-choice, true/false, and essay questions from the book's *Test Bank* help you practice for the real thing.

Web Site Allyn and Bacon provides access to this textbook's Web Site (*www. abacon.com/wood*) via a PIN code found in the front of a new textbook. Whether you're studying or just surfing the web, be sure to visit this Web Site for a wealth of helpful and fun material related to introductory psychology, including free practice tests, flashcards, personality-assessment quizzes, a psychology career corner, activities, and web links. The PIN code also gives you access to Content Select, Allyn and Bacon's premiere research tool for accessing articles on the web.

Psych Tutor This service of Allyn and Bacon provides free tutoring for students who purchase a new text. Qualified college psychology instructors tutor students on all material covered in the text, including art and figures. The Tutor Center provides tutoring assistance by four methods: phone, fax, e-mail, and the Internet, during Tutor Center hours. Students who bought used books can purchase the Psych Tutor for \$25 at www.aw.com/tutorcenter.

Other Resources Available from Allyn and Bacon Cross-Cultural Explorations: Activities in Culture and Psychology, by Susan Goldstein; Diversity Activities for Psychology, by Valerie Whittlesy; How to Think Straight About Psychology, Sixth Edition, by Keith E. Stanovich; How to Write Psychology Papers, Second Edition, by Les Parrott, III; Research Stories for Introductory Psychology, by Matthew R. Merrens and Lary Shaffer; Writing for Psychology, by Christopher Thaiss and James Sanford; Introduction to Cross-Cultural Psychology: Critical Thinking and Contemporary Applications, by Eric Shiraev and David Levy.

Use It! How to Use the Internet in Introductory Psychology

elcome to Introductory Psychology! You are about to begin one of the most fascinating and useful educational journeys of your college career. The authors of your textbook have provided you with a wealth of information on psychology to get you started on this exciting trip.

To help you round out your travels into the human psyche, your exploration of the emotions and actions that define us as human beings, we wish to introduce you to using the Internet to access additional resources about psychology. The Internet contains more information about psychology and related disciplines than could be covered in 10 or even 20 textbooks. You will find that having almost instantaneous access to this information will be a powerful aid to your study of psychology.

What is the Internet? The Internet is an incredibly vast network that connects millions of computers worldwide. The Internet is organized in such a way that it is possible to search for and retrieve information from the thousands of computer servers of which it is composed. A server is a computer system that provides individual computers access to information available on the Internet. The World Wide Web, often abbreviated www and sometimes referred to as "the Web," is the whole system of Internet servers. The World Wide Web links your computer to other computers so that you can search for, find, and retrieve information on any topic. This may seem a bit confusing to you now, but as you read what follows and actually begin "surfing the Net," you will soon get the hang of it.

So what does all this fancy techno-jargon have to do with psychology? A lot! Let's assume you have access to a personal computer that is connected to the Internet. This means that somewhere on the computer monitor, you will see an icon for the Internet provider (a private company) to which this computer has access. In this case, an **icon** is a symbol representing the name of the Internet provider. When you click or double-click on this icon, the provider's **home page**, a page containing information about the resources available through the Internet provider, will appear on the monitor. Depending on the Internet provider, the home page may ask you to do different things in order to access the Internet. For example, the home page of my Internet provider asks me to enter my password and then click on a button labeled *Connect* (to the Internet) in order to access the Internet. Other Internet providers may ask you to "log on" by going through a similar procedure.

Somewhere on the Internet provider's home page, once you have accessed the Internet, you will see the word *Search*. Next to it is a blank space. Here's where things get interesting. By typing a word or words in this blank space and then clicking on the word *Search* (or, in some cases, the word *Go*), you open a **search engine**—software capable of looking up every source of information about anything that is accessible on the Internet. Suppose the word you typed in the blank space was "Freud." In this case, every bit of information on the Internet related to Sigmund Freud—his work, his family, and what hundreds of authors have written about his life—would appear for your inspection and use, all in a matter of seconds!

I just opened the search engine on my personal computer and typed in the words "Sigmund Freud." Guess what I found?—18,440 web sites devoted to some aspect of Freud and his work. When I typed in the word "psychology," I found 2,452,593 web sites. Talk about having the world at your fingertips!

A web site is a specific location on the World Wide Web that contains information about some particular topic. Each web site has its own address, or URL (Universal Resource Locator), which is sometimes referred to as a link. For



example, the first web site listed for "psychology" on my search engine is for the American Psychological Association (APA). Its URL is www.apa.org. The APA is one of the two predominant professional organizations for psychologists in the United States (the other is the American Psychological Society, or APS; its URL is www.psychologicalscience.org). These two web sites are among the most important ones for psychologists—both researchers and practitioners—because they provide hundreds of links to some of the best psychological information available on the web. Another useful URL is www.psichi.org. Clicking on this URL, which I found among the links generated by my search for "psychology," takes me to the home page for Psi Chi, the National Honor Society for students in psychology. Alternatively, if you already know the URL for the web site you wish to visit—as you do for APA, APS, and Psi Chi—you can simply type it into the search engine, click Search or Go, and be whisked immediately to that web site.

Among the nearly 2.5 million web sites related to psychology are those devoted to other professional organizations, departments of psychology at colleges and universities around the world, journals in psychology, and numerous psychological disorders and phenomena. In short, probably anything you want to know about psychology can be found on the Internet. Let's walk through an example.

Suppose you are studying Chapter 15 in your text (Psychological Disorders) and you become interested in phobias. You decide to check out what information the Internet offers on phobias. You begin by clicking or double-clicking on the icon of your Internet provider. Once its home page opens, you type the word "phobia" in the blank space and click on *Search* or *Go.* In a few seconds, you have before you all the information on phobias that is currently on the web. When I did this, I found 5,480 web sites related to phobias! I didn't stop there, though.

I scrolled down the list of URLs until I came across one that caught my eye—one on social phobias. I clicked on this URL (www.mentalhealth.com/dis/p20-an03.html). What I found was a nicely designed home page that gave me access to all sorts of information about social phobias, including a complete description of the disorder, its diagnosis and treatment, research on it, and a listing of other related links. In just a few seconds, I had at my disposal a tremendous amount of information on a topic in which I am interested. Suppose, though, that while studying phobias, I become interested in learning more about anxiety disorders in general. What I can do in this case is to go back and type "anxiety disorders" into the blank space and then click Search or Go. That's right—I can easily broaden my search for information.

Now that you know something about the Internet and how to access it, you, too, can have information about virtually any subject in the world at your disposal anytime you desire! This could be especially useful to you if your professor assigns a research paper on a certain topic. You should know, though, there is a downside to accessing information on the Internet. The Internet is not like your textbook, in which you can be confident that the information is accurate and up-to-date. Your textbook was written by two individuals who are highly knowledgeable about psychology and is published by a publisher with a reputation for publishing high-quality textbooks.

The Internet is different. Anybody who wants to—regardless of whether he or she is an amateur or an expert at psychology (or, for that matter, anything else)—can place information on the Internet. So, as they say in economics: "Buyer beware!" How can you tell if you are getting accurate information from a web site? That's a tricky question. Perhaps the best advice is to begin your Internet journey at URLs that are known to be both reliable and valid, such as those for the APA and APS. Both of these contain hundreds of links to other reliable and valid web sites. Keep in mind that the most valid and reliable sites—regardless of topic—were created and maintained by genuine authorities in their fields.

Now, have fun on your quest to learn more about psychology—may it never end!

To the Instructor

ur goals for the fourth edition of this book remain the same as for the first three editions: to introduce the world of psychology accurately and clearly to students via an interesting and memorable format. We present the principles of psychology using a clear and engaging writing style and a pedagogically sound learning format that is both accessible and appealing to students.

Having taught many thousands of students their first course in psychology, we are sensitive to the complexities and the subtleties of the teaching/learning process. Over the years we have witnessed tremendous changes in the field, in our students, and in ourselves as well. Thus, we also sought to create a textbook that is sensitive to the changing needs of modern students and their professors while providing a context in which students may learn about psychology's past, its present, and its probable future.

To accomplish our goals, we set the following objectives.

To Maintain a Clear, Understandable Writing Style That Students Will Find Interesting

First and foremost, a textbook is a teaching instrument. It cannot be a novel; nor should it be an esoteric, academic treatise. A good psychology textbook must communicate clearly to a diverse audience of various ages and levels of academic ability. Our text is appealing to accomplished students, yet accessible to students whose academic skills are yet to be fully developed.

We seek to achieve this objective by explaining concepts in much the same way as we do in our own psychology classes. This text is filled with everyday examples pertinent to students' lives.

To Write a Textbook That Encourages Students to Become Active Participants in the Learning Process

Reading about psychology is not enough. Students should be able to practice what they have learned, when appropriate. Many of the principles we teach can be demonstrated without elaborate equipment and sometimes as the student reads. What better way to teach new material and make it fresh, interesting, and memorable than to have students demonstrate principles for themselves using an important and innovative element of the book: *Try It!* boxes.

To Make Psychology Come Alive through the Try It! Boxes

The popular *Try Its!* personalize psychology, making it simple for students to actively link psychology with their everyday lives. Because the response from professors and students to the *Try It!* features in previous editions has been so positive, we have added 30% more *Try Its!* to this edition, for a total of 64 woven throughout the book, to get students excited about psychology. New *Try Its!* include:

- Self-Assessment: Are You a Jealous Mate? (evolutionary psychology)
- Experiment: Taste Receptors' Response to Temperature Change
- *Self-Assessment:* Are You a Lark or an Owl? (sleep patterns)



- Practice Quiz: How Might You Score on an IQ Test?
- Self-Assessment: Rate Your Emotional Intelligence (EQ)
- Quiz: Test Your Knowledge of Infant Development
- Experiment: Child Development and Class Inclusion
- Activity: What Motivates You to Eat?
- *Quiz*: How Much Do You Know about STDs?
- Quiz: Facts vs. Myths about AIDS
- Activity: Stress-Inoculation Training
- Self-Assessment: Evaluate Your Locus of Control
- Self-Assessment: Test Your Level of Self-Esteem
- Quiz: Does Anyone You Know Exhibit Signs of Anxiety Disorder?
- Self-Assessment: Are You an Aggressive Driver?

To Provide a Series of High-Interest Features That Will Appeal to Today's Students

Every chapter opens with a real-life vignette to capture student interest and build motivation. More than half of the chapter vignettes are new to this fourth edition, and they include a good mix of topics students can relate to—from timely events and issues, to popular personalities, to recent scientific advances, to classic psychological experiments. New vignette topics include:

- Psychological implications of the turn of the millennium
- Rave dances and the use of the drug Ecstasy (MDMA)
- Michael J. Fox's battle with Parkinson's disease
- A real-life case of faulty memory that sent the wrong man to prison for rape
- Recent developments in artificial intelligence that allow blind people to "see"
- Olympic gold medalist Rafer Johnson and his daughter Jenny Johnson Jordan, who competed in the 2000 Olympic Games
- Cybersex addiction
- The Milgram experiment
- Christopher Reeve's daily life after his paralyzing accident

The *Apply It!* section at the end of every chapter shows the practical applications of the principles of psychology and demonstrates the role of psychology in daily life. Forty percent of the *Apply Its!* in this edition are new, covering caffeine addiction, prenatal care, dating, road rage, positive psychology, fear of public speaking, and e-therapy.

To Promote and Nurture Critical Thinking

Critical thinking does not consist of being critical of all viewpoints other than one's own. Rather, critical thinking is a process of evaluating claims, propositions, or conclusions objectively to determine whether they follow logically from the evidence presented. Critical thinkers are open-minded, objective, and unbiased, and they maintain a skeptical attitude that leads them to search for alternative explanations.

Critical thinking is too important to leave to chance. The first *Apply It!* section, "Study Skills and Critical Thinking," provides students with an understanding of what critical thinking entails. In addition to promoting critical thinking throughout the text, we have also developed a systematic method of nurturing it. A *Thinking Critically* section at the end of each chapter features three categories of critical thinking questions:

- Evaluation questions teach students to think critically as they evaluate psychological theories, techniques, approaches, perspectives, and research studies.
- **2.** *Point/Counterpoint* questions require students to comprehend, to analyze, and to formulate convincing arguments on both sides of important issues in psychology.
- 3. *Psychology in Your Life* questions allow students to apply psychological principles and concepts to their own lives and the everyday world.

Instructors can use the *Thinking Critically* questions as a basis for essay questions or research paper topics.

To Help Students Understand and Appreciate Human Diversity and to Comprehend More Fully the Part Played by Multicultural Issues in Modern Psychology

We remain dedicated to the goal of promoting understanding of human diversity. Rather than emphasizing diversity only in special sections, we have responded to reviewers' preferences by expanding coverage of diversity issues and integrating it throughout the book. Human diversity is considered in relation to dozens of topics throughout the text, such as depression, extraversion, personality, schizophrenia, and intelligence testing.

To Provide an Accurate and Thoroughly Researched Textbook That Features Original Sources

To accomplish our goal of introducing the world of psychology accurately and clearly, we have gone back to original sources and have read and reread the basic works of the major figures in psychology and the classic studies in the field. For each revision this has meant more than 10,000 pages of photocopied research (and a basement approaching fire hazard status!). This reading has enabled us to write with greater clarity and assurance, rather than having to hedge or write tentatively when discussing what experts in the field have actually said. This book is one of the most carefully researched, up-to-date, and extensively referenced of all introductory psychology textbooks.

To Meet the Needs of Instructors by Adding New Topics

In response to valuable suggestions from our reviewers, we have made many additions to the fourth edition, including the following:

- In Chapter 1, "Introduction to Psychology," a new section on evolutionary psychology has been added to reflect the emergence of this fascinating field. Evolutionary psychology is also covered more extensively in Chapters 11, 12, and 14 and mentioned appropriately throughout the book.
- Chapter 2, "Biology and Behavior," features a new discussion on neurons' recently discovered ability to regenerate.

- In Chapter 4, "States of Consciousness," several new sections discuss the findings of up-to-date brain research on sleep, such as "Sleep Research and the Brain," "REM Sleep, Dreaming, and the Brain," and "REM Sleep and Dreaming: Are They the Same?"
- Chapter 7, "Cognition and Language," features an extensive section on high-tech applications of cognition. Artificial intelligence and robotics are discussed at length, with fascinating examples of how they are being used today.
- In Chapter 12, "Human Sexuality and Gender," a new section discusses gender bias in the workplace—a topic of increasing relevance as more and more women enter the workforce.

To Provide Instructors with a Complete, Coordinated Teaching Package of the Highest Quality

Allyn and Bacon offers the following supplements for the adopter of this textbook:

The **Instructor's Resource Manual (IRM)**, prepared by Fred Whitford of Montana State University, provides lecture examples, demonstrations, diversity topics, and content lists of the transparencies and the Digital Media Archive. Fully updated, the *IRM* contains dozens of new lecture examples, marked with an icon and keyed to newly referenced material in the book. Classroom demonstrations have been updated and referenced to important Internet sites that contain the most current information available.

A comprehensive **Test Bank** contains approximately 2,300 questions and a computerized test item file (for Windows, Macintosh, and DOS), prepared by Rebecca Walker-Sands of Central Oregon Community College and Ron Walker-Sands. A separate booklet of practice tests is available free when bundled with the textbook.

A student **Study Guide** prepared by Dan Kelts and Guy Aylward of Illinois Central College contains multiple, varied learning aids sure to fit every student's needs. The *Study Guide* provides chapter overviews, timelines, chapter outlines, learning objectives, quizzes, fill-in-the-blank activities, matching activities, complete-the-diagram activities, key terms and concepts, study enhancement exercises, and comprehensive practice tests.

Psychology on the Net, 2002 is an Internet guide that shows students the basics of using the Internet, with activities and hundreds of psychology-related URLs (free when packaged with the text).

More than 200 new full-color **transparency acetates** are available upon adoption of the text. Allyn and Bacon also offers the **Digital Media Archive**, Version 3.0, which provides electronic images, video clips, and audio clips, as well as lecture outlines, on one cross-platform CD-ROM for integration into your lecture. A text-specific **PowerPoint presentation** is available, as well.

Allyn and Bacon provides a service called **Psych Tutor** for students enrolled in basic psychology courses who have purchased a new copy of this text. Qualified college psychology instructors tutor students on all material covered in the text. The Tutor Center provides tutoring assistance by four methods: phone, fax, e-mail, and the Internet during Tutor Center hours. Visit www.abacon.com/wood for more information.

The **PIN-coded Web Site** (*www.abacon.com/wood*) is an extensive site offering chapter overviews, online practice test questions, web links, *Try It!* games and activities, audio and video clips, electronic flashcards, personality tests, career information, and information for instructors about how to use the Web Site, all available via a PIN code found in the front of a new textbook. A new feature of the Web Site, **Content Select**, provides students with a wealth of journal articles that they can access to assist in their research.

The **Allyn and Bacon Interactive Video** is a 90-minute video available to adopters of the text. It contains brief video clips that coordinate with the chapter

content, as well as critical thinking questions to help generate classroom discussion. A wide variety of additional videos are also available upon adoption of the text (enrollment restrictions may apply).

Course CompassTM is a dynamic, interactive online course management tool powered by BlackboardTM. This exciting product allows you to teach with text-specific content in an easy-to-use, customizable format.

Acknowledgments

We are indebted to an incredible group of people at Allyn and Bacon for their contributions to *The World of Psychology*. First, we thank Carolyn Merrill, executive editor, for her inspiration, her unwavering support, and her standards of excellence. Carolyn is the prime mover of *The World of Psychology*, and her good taste and editorial excellence are in evidence throughout the book. In publishing, in particular, there is so much to do and so little time in which to do it. Carolyn does it all, and we have been moved (literally) by her power to motivate. Added to that are Carolyn's exceptional personal qualities, her great warmth, good humor, intelligence, integrity, and ability to empathize, all of which have made her someone whom we greatly admire and also cherish as a friend. We thank Carolyn also for bringing a new development editor, Kelly Perkins, to the book.

Kelly has devoted her full time to the project, and her excellent work has been instrumental in the making of this fourth edition. Bright, thoroughly knowledgeable in our field, and a virtually tireless worker, Kelly has added her own unique mark of excellence to the book. A pleasure to work with, she possesses in great depth the finest attributes of an ideal development editor.

We express our appreciation to Jodi Devine, developmental editor during the early stages of the fourth edition, who returned to graduate school during the summer semester of 2000. Between the time Jodi left for graduate school and Kelly Perkins came to us, executive editor Carolyn Merrill provided a seamless flow of development editing by retaining consulting development editor Mark Palmer. Mark is a seasoned professional who, with a writer's ear and an artist's eye, has obviously mastered his craft. We are grateful for Mark's excellent contributions.

The production process that transforms a manuscript into a finished book is long and incredibly complex. So we were delighted that our book was placed in the capable hands of Michael Granger, editorial production administrator.

We were also exceedingly fortunate to have Jane Hoover of Lifland et al., Bookmakers with us again in production of this fourth edition. Jane is a consummate professional who carefully read all the text revisions and scrutinized every figure, table, and feature to make sure they came together with clarity and precision. More broadly, Jane skillfully and painstakingly coordinated and guided the daily activities of the production process.

We express our appreciation to Lara Zeises, editorial assistant, for handling the review process and many other varied details of the project with great care. Thank you, Lara, for preparing the new manuscript for the text in such an excellent fashion and in a timely manner, and for being so pleasant to work with.

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