



The Guild Handbook of Scientific Illustration

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The Guild Handbook of Scientific Illustration, Second Edition

Sponsored by the Guild of Natural Science Illustrators and written by top illustrators, scientists, and industry experts, The Guild Handbook of Scientific Illustration, Second Edition is an indispensable reference guide for anyone who produces, assigns, or simply appreciates scientific illustration.

Offering broad coverage and more than 620 outstanding illustrations, this new edition offers up-to-date coverage on all aspects of this specialized field, from illustrating molecules and 3D modeling to important material and advice on copyright and contractual concerns, as well as establishing a freelance business. With step-by-step instructions, in-depth coverage of illustrative techniques and related tools, and helpful advice on the day-to-day business of scientific illustrating, it is easy to see why scientific illustrators refer to this book as their "bible."

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Editorial Review

From the Inside Flap

The skills of the scientific illustrator must extend far beyond the ability to create an attractive drawing. In addition to mastering the standard repertoire of artist's techniques and digital drawing tools, successful scientific illustrators must understand and be proficient in a host of techniques and methods unique to their field. Sponsored by the Guild of Natural Science Illustrators and written by top illustrators, scientists, and industry experts, *The Guild Handbook of Scientific Illustration, Second Edition* is an indispensable reference guide for novice and professional illustrators and scientists.

This Second Edition offers broad coverage, ranging from a basic discussion of the roles and responsibilities of the scientist (or client) and the illustrator to the most current technological advances in the field. It includes new chapters on basic computer graphics, murals, model building, illustrating molecules, astronomy, 3D modeling, and earth sciences. The hundreds of tools and materials that the illustrator uses are examined here, with specific recommendations for surfaces, media, drawing tools, propping materials, measuring devices, and more. Real-world guidance, best practices, and helpful tips support the text, as well as information on innovative applications unique to scientific illustration.

All aspects of illustrating scientific subjects are covered, from depicting specimens to preserving finished illustrations. Care and handling of often-rare specimens and understanding the anatomy of taxonomic groups are addressed in the section on subject matter. This section treats the illustration of physical sciences, plants, animals, and fossils, including wildlife, anthropological and archaeological artifacts, and medical subjects. Each chapter lists the materials needed to illustrate the specimens and explains any conventions to follow when depicting a subject.

Beyond basic skills, the section on rendering techniques explores new materials and innovative methods, as well as traditional standbys and their applicability to scientific illustration. Each chapter in this section includes a comprehensive list of various drawing surfaces and other implements. Step-by-step instructions for a variety of illustrative techniques and related tools are explored in detail, such as drawing with ink, pencils, carbon dust, watercolor and wash, gouache, acrylics, airbrush, and digital media.

Scientific illustration is more than just rendering specimens, however. This practical volume provides information on using microscopes; creating charts, diagrams, and maps; reproducing artwork, both as slides or prints and for publication; and creating the best archival conditions. Important material and advice is provided on copyright and contractual concerns, as well as establishing a freelance business.

With more than 620 outstanding examples of scientific illustration in black-and-white and color, this veritable encyclopedia of scientific illustration also serves as a source of inspiration, regardless of your area of interest. Scientific illustrators refer to it as their "bible." This gorgeous, comprehensive handbook belongs on the shelf of anyone who produces, assigns, or simply appreciates scientific illustration.

From the Back Cover

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About the Author

ELAINE R. S. HODGES worked as a scientific illustrator in the Department of Entomology at the Smithsonian Institution's National Museum of Natural History. After entering the field of scientific illustration at the Smithsonian in 1965, she helped found the Guild of Natural Science Illustrators, serving as its first newsletter editor and later as vice president and president. She has also lectured, taught, and written extensively in the field.

Users Review

From reader reviews:

Hubert Ray:

Do you among people who can't read gratifying if the sentence chained in the straightway, hold on guys this kind of aren't like that. This The Guild Handbook of Scientific Illustration book is readable by means of you who hate the perfect word style. You will find the data here are arrange for enjoyable examining experience without leaving even decrease the knowledge that want to provide to you. The writer involving The Guild Handbook of Scientific Illustration content conveys thinking easily to understand by most people. The printed and e-book are not different in the written content but it just different by means of it. So , do you nevertheless thinking The Guild Handbook of Scientific Illustration is not loveable to be your top list reading book?

Sergio Kelley:

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Sean Martinez:

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