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Technical Innovation in American History: An Encyclopedia of Science and Technology [3 volumes]
McGraw-Hill Concise Encyclopedia of Physics
Encyclopedia of Agrophysics
The Craft of Research, Third Edition
Encyclopedia of Library and Information Sciences
Encyclopedia of Research Design
Encyclopedia of Radio 3-Volume Set
Catalog of Copyright Entries, Third Series
Rabi: Scientist & Citizen
Encyclopedia of Chemical Physics and Physical Chemistry - 3 Volume Set
A Manual for Writers of Research Papers, Theses, and Dissertations, Seventh Edition
Macmillan Encyclopedia of Physics
Encyclopedia of Spectroscopy and Spectrometry
Encyclopedia of Applied Physics, 23 Volume Set
Encyclopedia of Applied Physics
Encyclopedia of physics
Encyclopedia of Global Warming and Climate Change, Second Edition
The Oxford Guide to Library Research
Encyclopedia of Nuclear Physics and its Applications
Radiocarbon Dating, Second Edition
The Encyclopedia of Mass Spectrometry
Encyclopedia of Physics
Journal of Research of the National Bureau of Standards
Climate Change: An Encyclopedia of Science, Society, and Solutions [3 volumes]
A Manual for Writers of Research Papers, Theses, and Dissertations, Eighth Edition
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Illustrated Encyclopedia of Applied and Engineering Physics, Three-Volume Set
Modern Trends in Physics Research
Research Grants Index
Encyclopedia of Polymer Applications, 3 Volume Set
HISTORY AND PHILOSOPHY OF SCIENCE AND TECHNOLOGY -Volume III
The Encyclopedia of Physics
Asian Americans: An Encyclopedia of Social, Cultural, Economic, and Political History [3 volumes]
Nuclear Energy
Encyclopedia
Current Trends in International Fusion Research
A Manual for Writers of Research Papers, Theses, and Dissertations, Ninth Edition

Encyclopedia of Chemical Physics and Physical Chemistry: Applications From the invention of eyeglasses to the Internet, this three-volume set examines the pivotal effects that inventions have had on society, providing a fascinating history of technology and innovations in the United States from the earliest colonization by Europeans to the present. • Encourages readers to consider the tremendous potential impact of advances in science and technology and the ramifications of important inventions on the global market, human society, and even the planet as a whole • Supports eras addressed in the National Standards for American history as well as curricular units on inventions, discoveries, and technological advances • Includes primary documents, a chronology, and section openers that help readers contextualize the content

Publications of Los Alamos Research

Technical Innovation in American History: An Encyclopedia of Science and Technology [3 volumes]

McGraw-Hill Concise Encyclopedia of Physics Undoubtedly the applications of polymers are rapidly evolving. Technology is continually changing and quickly advancing as polymers are needed to solve a variety of day-to-day challenges leading to improvements in quality of life. The Encyclopedia of Polymer Applications presents state-of-the-art research and development on the applications of polymers. This groundbreaking work provides important overviews to help stimulate further advancements in all areas of polymers. This comprehensive multi-volume reference includes articles contributed from a diverse and global team of renowned researchers. It offers a broad-based perspective on a multitude of topics in a variety of applications, as well as detailed research information, figures, tables, illustrations, and references. The encyclopedia provides introductions, classifications, properties, selection, types, technologies, shelf-life, recycling, testing and applications for each of the entries where applicable. It features critical content for both novices and experts including, engineers, scientists (polymer scientists, materials scientists, biomedical engineers, macromolecular chemists), researchers, and students, as well as interested readers in academia, industry, and research institutions.

Encyclopedia of Agrophysics Produced in association with the Museum of Broadcast Communications in Chicago, the Encyclopedia of Radio includes more than 600 entries covering major countries and regions of the world as well as specific programs and people, networks and organizations, regulation and policies, audience research, and radio's technology. This encyclopedic work will be the first broadly conceived reference source on a medium that is now nearly eighty years old, with essays that provide essential information on the subject as well as comment on the significance of the particular person, organization, or topic being examined.

The Craft of Research, Third Edition Encyclopedia of Cardiovascular Research and Medicine offers researchers over 200 articles covering every aspect of cardiovascular research and medicine, including fully annotated figures, abundant color illustrations and links to supplementary datasets and references. With contributions from top experts in the field, this book is the most reputable and easily searchable

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resource of cardiovascular-focused basic and translational content for students, researchers, clinicians and teaching faculty across the biomedical and medical sciences. The panel of authors chosen from an international board of leading scholars renders the text trustworthy, contemporary and representative of the global scientific expertise in these domains. The book's thematic structuring of sections and in-depth breakdown of topics encourages user-friendly, easily searchable chapters. Cross-references to related articles and links to further reading and references will further guide readers to a full understanding of the topics under discussion. Readers will find an unparalleled, one-stop resource exploring all major aspects of cardiovascular research and medicine. Presents comprehensive coverage of every aspect of cardiovascular medicine and research Offers readers a broad, interdisciplinary overview of the concepts in cardiovascular research and medicine with applications across biomedical research Includes reputable, foundational content on genetics, cancer, immunology, cell biology and molecular biology Provides a multi-media enriched color-illustrated text with high quality images, graphs and tables.

Encyclopedia of Library and Information Sciences Includes Part 1, Number 1: Books and Pamphlets, Including Serials and Contributions to Periodicals (January - June)

Encyclopedia of Research Design With more than three-quarters of a million copies sold since its first publication, The Craft of Research has helped generations of researchers at every level—from first-year undergraduates to advanced graduate students to research reporters in business and government—learn how to conduct effective and meaningful research. Conceived by seasoned researchers and educators Wayne C. Booth, Gregory G. Colomb, and Joseph M. Williams, this fundamental work explains how to find and evaluate sources, anticipate and respond to reader reservations, and integrate these pieces into an argument that stands up to reader critique. The fourth edition has been thoroughly but respectfully revised by Joseph Bizup and William T. FitzGerald. It retains the original five-part structure, as well as the sound advice of earlier editions, but reflects the way research and writing are taught and practiced today. Its chapters on finding and engaging sources now incorporate recent developments in library and Internet research, emphasizing new techniques made possible by online databases and search engines. Bizup and FitzGerald provide fresh examples and standardized terminology to clarify concepts like argument, warrant, and problem. Following the same guiding principle as earlier editions—that the skills of doing and reporting research are not just for elite students but for everyone—this new edition retains the accessible voice and direct approach that have made The Craft of Research a leader in the field of research reference. With updated examples and information on evaluation and using contemporary sources, this beloved classic is ready for the next generation of researchers.

Encyclopedia of Radio 3-Volume Set Hundreds of well-illustrated articles explore the most important fields of science. Based on content from the McGraw-Hill Concise Encyclopedia of Science & Technology, Fifth Edition, the most widely used and respected science reference of its kind in print, the new Concise Encyclopedia Series delivers: * Detailed, well-illustrated explanations, not just definitions * Hundreds of concise yet authoritative articles in each volume * An easy-to-understand presentation, accessible and interesting to non-specialists * A portable, convenient format * Bibliographies, appendices, and other information to supplement the articles

Catalog of Copyright Entries. Third Series This resource provides a single, concise reference containing terms and expressions used in the study, practice, and application of physical sciences. The reader will be able to identify quickly critical information about professional jargon, important people, and events. The encyclopedia gives self-contained definitions with essentials regarding the meaning of technical terms and their usage, as well as about important people within various fields of physics and engineering, with highlights of technical and practical aspects related to cross-functional integration. It will be indispensable for anyone working on applications in biomedicine, materials science, chemical engineering, electrical engineering, mechanical engineering, geology, astronomy, and energy. It also includes handy tables and chronological timelines organized by subject area and giving an overview on the historical development of ideas and discovery.

Rabi: Scientist & Citizen This Encyclopedia of Agrophysics will provide up-to-date information on the physical properties and processes affecting the quality of the environment and plant production. It will be a "first-up" volume which will nicely complement the recently published Encyclopedia of Soil Science, (November 2007) which was published in the same series. In a single authoritative volume a collection of about 250 informative articles and ca 400 glossary terms covering all aspects of agrophysics will be presented. The authors will be renowned specialists in various aspects in agrophysics from a wide variety of countries. Agrophysics is important both for research and practical use not only in agriculture, but also in areas like environmental science, land reclamation, food processing etc. Agrophysics is a relatively new interdisciplinary field closely related to Agrochemistry, Agrobiolgy, Agroclimatology and Agroecology. Nowadays it has been fully accepted as an agricultural and environmental discipline. As such this Encyclopedia volume will be an indispensable working tool for scientists and practitioners from different disciplines, like agriculture, soil science, geosciences, environmental science, geography, and engineering.

Encyclopedia of Chemical Physics and Physical Chemistry - 3 Volume Set Volume 9: Historical Perspectives,

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Part B: Notable People in Mass Spectrometry of The Encyclopedia of Mass Spectrometry briefly reviews the lives and works of many of the major people who carried out this development, providing insights into the history of mass spectrometry applications through the personal stories of pioneers and innovators in the field. The book presents biographies of notable contributors, including Nobel Prize winners J. J. Thomson, Francis W. Aston, Wolfgang Paul, John B. Fenn, and Koichi Tanaka, along with other luminaries in the field, including Franz Hillenkamp, Catherine Clarke Fenselau, Alfred O. C. Nier, and many more, discussing not only the instruments and their uses, but also providing interesting information on the careers, characters, and life stories of the people who did the work. Highlights over 120 innovators in mass spectrometry, including several Nobel Prize winners. Discusses instrumentation and their uses, also providing interesting information on the careers, characters, and life stories of the people who did the work. Offers unique insight into the careers and personalities of luminaries in the field. Coordinates with Volume 9: Historical Perspectives, Part A: The Development of Mass Spectrometry, an overview of mass spectrometry development and progress. Ideal reference for those interested in a wide variety of topics, including analytical chemistry and chemical analysis, amongst others.

A Manual for Writers of Research Papers, Theses, and Dissertations, Seventh Edition This volume is part 19 of a 20 volume set of encyclopedias that are the result of the synergy between physics and the technological applications that physics has generated over the years.

Macmillan Encyclopedia of Physics The A-to-Z reference resource for nuclear energy information A significant milestone in the history of nuclear technology, *Nuclear Energy Encyclopedia: Science, Technology, and Applications* is a comprehensive and authoritative reference guide written by a committee of the world's leading energy experts. The encyclopedia is packed with cutting-edge information about where nuclear energy science and technology came from, where they are today, and what the future may hold for this vital technology. Filled with figures, graphs, diagrams, formulas, and photographs, which accompany the short, easily digestible entries, the book is an accessible reference work for anyone with an interest in nuclear energy, and includes coverage of safety and environmental issues that are particularly topical in light of the Fukushima Daiichi incident. A definitive work on all aspects of the world's energy supply, the *Nuclear Energy Encyclopedia* brings together decades of knowledge about energy sources and technologies ranging from coal and oil, to biofuels and wind, and ultimately nuclear power.

Encyclopedia of Spectroscopy and Spectrometry The *Encyclopedia of Physical Chemistry and Chemical Physics* introduces possibly unfamiliar areas, explains important experimental and computational techniques, and describes modern endeavors. The encyclopedia quickly provides the basics, defines the scope of each subdiscipline, and indicates where to go for a more complete and detailed explanation. Particular attention has been paid to symbols and abbreviations to make this a user-friendly encyclopedia. Care has been taken to ensure that the reading level is suitable for the trained chemist or physicist. The encyclopedia is divided in three major sections: **FUNDAMENTALS**: the mechanics of atoms and molecules and their interactions, the macroscopic and statistical description of systems at equilibrium, and the basic ways of treating reacting systems. The contributions in this section assume a somewhat less sophisticated audience than the two subsequent sections. At least a portion of each article inevitably covers material that might also be found in a modern, undergraduate physical chemistry text. **METHODS**: the instrumentation and fundamental theory employed in the major spectroscopic techniques, the experimental means for characterizing materials, the instrumentation and basic theory employed in the study of chemical kinetics, and the computational techniques used to predict the static and dynamic properties of materials. **APPLICATIONS**: specific topics of current interest and intensive research. For the practicing physicist or chemist, this encyclopedia is the place to start when confronted with a new problem or when the techniques of an unfamiliar area might be exploited. For a graduate student in chemistry or physics, the encyclopedia gives a synopsis of the basics and an overview of the range of activities in which physical principles are applied to chemical problems. It will lead any of these groups to the salient points of a new field as rapidly as possible and gives pointers as to where to read about the topic in more detail.

Encyclopedia of Applied Physics, 23 Volume Set

Encyclopedia of Applied Physics This is the most comprehensive and up-to-date reference work on Asian Americans, comprising three volumes that address a broad range of topics on various Asian and Pacific Islander American groups from 1848 to the present day. • Presents information on Asian Americans and individual Asian ethnic groups that provides comprehensive overviews of the respective groups • Includes special topic entries that contain source information regarding major historical events • Comprises work from a truly outstanding list of contributors that include scholars, journalists, writers, community activists, graduate students, and other specialists • Expands the boundaries of Asian American studies through innovative entries that address transnationalism, gender and sexuality, and inter- and cross-disciplinarity

Encyclopedia of physics Required reading for students, scholars, information-seeking professionals, and laypersons."--BOOK JACKET.

Encyclopedia of Global Warming and Climate Change, Second Edition This third edition of the *Encyclopedia of Spectroscopy and Spectrometry* provides authoritative and comprehensive coverage of all aspects of

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spectroscopy and closely related subjects that use the same fundamental principles, including mass spectrometry, imaging techniques and applications. It includes the history, theoretical background, details of instrumentation and technology, and current applications of the key areas of spectroscopy. The new edition will include over 80 new articles across the field. These will complement those from the previous edition, which have been brought up-to-date to reflect the latest trends in the field. Coverage in the third edition includes: Atomic spectroscopy Electronic spectroscopy Fundamentals in spectroscopy High-Energy spectroscopy Magnetic resonance Mass spectrometry Spatially-resolved spectroscopic analysis Vibrational, rotational and Raman spectroscopies The new edition is aimed at professional scientists seeking to familiarize themselves with particular topics quickly and easily. This major reference work continues to be clear and accessible and focus on the fundamental principles, techniques and applications of spectroscopy and spectrometry. Incorporates more than 150 color figures, 5,000 references, and 300 articles for a thorough examination of the field Highlights new research and promotes innovation in applied areas ranging from food science and forensics to biomedicine and health Presents a one-stop resource for quick access to answers and an in-depth examination of topics in the spectroscopy and spectrometry arenas

The Oxford Guide to Library Research A little more than seventy-five years ago, Kate L. Turabian drafted a set of guidelines to help students understand how to write, cite, and formally submit research writing. Seven editions and more than nine million copies later, the name Turabian has become synonymous with best practices in research writing and style. Her Manual for Writers continues to be the gold standard for generations of college and graduate students in virtually all academic disciplines. Now in its eighth edition, A Manual for Writers of Research Papers, Theses, and Dissertations has been fully revised to meet the needs of today's writers and researchers. The Manual retains its familiar three-part structure, beginning with an overview of the steps in the research and writing process, including formulating questions, reading critically, building arguments, and revising drafts. Part II provides an overview of citation practices with detailed information on the two main scholarly citation styles (notes-bibliography and author-date), an array of source types with contemporary examples, and detailed guidance on citing online resources. The final section treats all matters of editorial style, with advice on punctuation, capitalization, spelling, abbreviations, table formatting, and the use of quotations. Style and citation recommendations have been revised throughout to reflect the sixteenth edition of The Chicago Manual of Style. With an appendix on paper format and submission that has been vetted by dissertation officials from across the country and a bibliography with the most up-to-date listing of critical resources available, A Manual for Writers remains the essential resource for students and their teachers.

Encyclopedia of Nuclear Physics and its Applications This book fills the need for a coherent work combining carefully reviewed articles into a comprehensive overview accessible to research groups and lecturers. Next to fundamental physics, contributions on topical medical and material science issues are included.

Radiocarbon Dating, Second Edition

The Encyclopedia of Mass Spectrometry

Encyclopedia of Physics The Encyclopedia of Library and Information Sciences, comprising of seven volumes, now in its fourth edition, compiles the contributions of major researchers and practitioners and explores the cultural institutions of more than 30 countries. This major reference presents over 550 entries extensively reviewed for accuracy in seven print volumes or online. The new fourth edition, which includes 55 new entries and 60 revised entries, continues to reflect the growing convergence among the disciplines that influence information and the cultural record, with coverage of the latest topics as well as classic articles of historical and theoretical importance.

Journal of Research of the National Bureau of Standards To request a free 30-day online trial to this product, visit www.sagepub.com/freetrial Research design can be daunting for all types of researchers. At its heart it might be described as a formalized approach toward problem solving, thinking, and acquiring knowledge—the success of which depends upon clearly defined objectives and appropriate choice of statistical tools, tests, and analysis to meet a project's objectives. Comprising more than 500 entries, the Encyclopedia of Research Design explains how to make decisions about research design, undertake research projects in an ethical manner, interpret and draw valid inferences from data, and evaluate experiment design strategies and results. Two additional features carry this encyclopedia far above other works in the field: bibliographic entries devoted to significant articles in the history of research design and reviews of contemporary tools, such as software and statistical procedures, used to analyze results. Key Features Covers the spectrum of research design strategies, from material presented in introductory classes to topics necessary in graduate research Addresses cross- and multidisciplinary research needs, with many examples drawn from the social and behavioral sciences, neurosciences, and biomedical and life sciences Provides summaries of advantages and disadvantages of often-used strategies Uses hundreds of sample tables, figures, and equations based on real-life cases Key Themes Descriptive Statistics Distributions Graphical Displays of Data Hypothesis Testing Important Publications Inferential Statistics Item Response Theory Mathematical Concepts Measurement Concepts Organizations Publishing Qualitative Research Reliability of Scores Research Design Concepts Research Designs Research Ethics Research Process Research Validity Issues Sampling Scaling Software Applications Statistical Assumptions

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Statistical Concepts Statistical Procedures Statistical Tests Theories, Laws, and Principles Types of Variables Validity of Scores The Encyclopedia of Research Design is the perfect instrument for new learners as well as experienced researchers to explore both the original and newest branches of the field.

Climate Change: An Encyclopedia of Science, Society, and Solutions [3 volumes] This volume is a major revision and expansion of Taylor's seminal book *Radiocarbon Dating: An Archaeological Perspective*. It covers the major advances and accomplishments of the 14C method in archaeology and analyzes factors that affect the accuracy and precision of 14C-based age estimates. In addition to reviewing the basic principles of the method, it examines 14C dating anomalies and means to resolve them, and considers the critical application of 14C data as a dating isotope with special emphasis on issues in Old and New World archaeology and late Quaternary paleoanthropology. This volume, again a benchmark for 14C dating, critically reflects on the method and data that underpins, in so many cases, the validity of the chronologies used to understand the prehistoric archaeological record.

A Manual for Writers of Research Papers, Theses, and Dissertations, Eighth Edition Offers clear explanations of the basic concepts, history, philosophy, fundamental theories and laws of physics, as well as biographical entries featuring physicists who have contributed to our knowledge of the physical world. The set will be useful for physics students from high school through graduate school and for general readers exploring the mysteries of everyday life, such as: What causes earthquakes?; How do CAT Scans work?; or, How do clouds form? Articles are arranged in alphabetical order and include cross-references and bibliographic references as recent as 1996. Volume one contains a Reader's Guide which identifies some key entries in the encyclopedia's plan. A table of symbols and abbreviations is included at the beginning of each volume to assist readers unfamiliar with any mathematical or scientific notation that might arise. The 4-volume set offers readers clear explanations for the phenomena, concepts, and laws that are the foundation of every other branch of science from astronomy to zoology. The entries are written to let readers satisfy their curiosity without becoming lost in high-level jargon. Specifically written to supplement the high school physics curriculum, the Encyclopedia satisfies the informational needs of a broad range of readers.

Encyclopedia of Cardiovascular Research and Medicine

The Craft of Research, Fourth Edition

Encyclopedia of Explosives and Related Items The 23-volume *Encyclopedia of Applied Physics - EAP* - is a monumental first in scope, depth, and usability. It demonstrates the synergy between physics and technological applications. Information is presented according to the following subject areas: * General Aspects; Mathematical and Information Techniques * Measurement Sciences, General Devices and/or Methods * Nuclear and Elementary Particle Physics * Atomic and Molecular Physics * Electricity and Magnetism * Optics (classical and quantum) * Acoustics * Thermodynamics and Properties of Gases * Fluids and Plasma Physics * Condensed Matter: Structure and Mechanical Properties; Thermal, Acoustic, and Quantum Properties ; Electronic Properties ; Magnetic Properties ; Dielectrical and Optical Properties; Surfaces and Interfaces * Materials Science * Physical Chemistry * Energy Research and Environmental Physics * Biophysics and Medical Physics * Geophysics, Meteorology, Space Physics and Aeronautics EAP consists of 23 hardcover volumes arranged alphabetically. A cumulative subject index is published after every three volumes, with a full index accompanying the complete work.

Illustrated Encyclopedia of Applied and Engineering Physics, Three-Volume Set With more than 400,000 copies now in print, *The Craft of Research* is the unrivaled resource for researchers at every level, from first-year undergraduates to research reporters at corporations and government offices. Seasoned researchers and educators Gregory G. Colomb and Joseph M. Williams present an updated third edition of their classic handbook, whose first and second editions were written in collaboration with the late Wayne C. Booth. *The Craft of Research* explains how to build an argument that motivates readers to accept a claim; how to anticipate the reservations of readers and to respond to them appropriately; and how to create introductions and conclusions that answer that most demanding question, "So what?" The third edition includes an expanded discussion of the essential early stages of a research task: planning and drafting a paper. The authors have revised and fully updated their section on electronic research, emphasizing the need to distinguish between trustworthy sources (such as those found in libraries) and less reliable sources found with a quick Web search. A chapter on warrants has also been thoroughly reviewed to make this difficult subject easier for researchers. Throughout, the authors have preserved the amiable tone, the reliable voice, and the sense of directness that have made this book indispensable for anyone undertaking a research project.

Modern Trends in Physics Research "Rabi's voice comes through vividly and forcefully. This is a work of great inspiration." — Aage Bohr, Professor of Physics, Niels Bohr Institute, Copenhagen, Denmark "This excellent work is the first full biography of Professor Rabi, the scientist who epitomizes the passing of the torch of physics from Europe to the United States almost a half-century ago. As I read this biography it was almost as if Rabi himself were retelling these events so that all can share his memories of those exciting and important years and benefit from his experience and wisdom." — Rosalyn S. Yalow, Nobel

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Laureate in Medicine “A delightful book about a delightful man. Rabi always found a simpler way to do any given experiment, and this made him a great physicist. He has now become a sage who has given the most useful advice to all his colleagues.” — Hans A. Bethe, Nobel Laureate in Physics and Professor Emeritus of Physics, Cornell University “A steadily fascinating account of an exemplary life. Rigden gives the lay reader a clear idea of what the physicist is seeing, what leads him to such strange thoughts. His account of ‘The Matter of J. Robert Oppenheimer’ gives more useful information in a few pages than I could find in the near thousand-page transcript of the hearings.” —Howard Nemerov, Pulitzer Prize-winning Poet and Professor of English, Washington University “An admirable biography, the best possible replacement for the memoirs that Rabi never found time to write.” McGeorge Bundy, Professor of History, New York University “The twentieth century [was] a time of high adventure in physics. It is no wonder that Rabi, with his ebullience and complex genius and wisdom found his profession ‘wonderful.’ As Rigden demonstrates in this complete and very good book, physics was wonderful for Rabi and Rabi was wonderful for physics.” — R. R. Wilson, Science “The growth, in this century, of the American physics community — in size, stature, and influence — is certainly a historical development with deep roots and profound implications. John Rigden’s Rabi: Scientist and Citizen is a fascinating treatment of that subject as reflected in the career and person of Isidor I. Rabi The [book] sets forth in coherent and sometimes passionate prose an impressive account of I. I. Rabi’s self-image and vision, a vision shared by an important group of physicist colleagues an engaging personal portrait.” — Allan A. Needell, Isis: A Journal of the History of Science “A real tour de force and a pleasure to read.” — John G. King, Physics Today “Rabi’s life was remarkable, full of incident, vision and action, including war, hot and cold. The biography is a masterpiece, rich in anecdote and never losing the narrative drive.” — New Scientist “Nobel prize-winning physicist I. I. Rabi was described by journalist Daniel Greenberg in 1967 as the éminence grise of America’s scientific establishment. During the Second World War he was in charge of radar research as an associate director of the MIT Radiation Laboratory and was a senior consultant for Los Alamos Scientific Laboratory. After the war he helped to establish the Brookhaven National Laboratory; he sat on the General Advisory Committee (GAC) of the Atomic Energy Commission, eventually succeeding Oppenheimer as chairman; under Eisenhower he was an architect of the president’s Science Advisory Committee. As an elder statesman in the American Cold War scientific community, he was concerned to solidify both the political and the cultural power of science. John S. Rigden’s biography of Rabi, now reissued with a new preface by the author, emphasizes Rabi’s view of science as properly not just a source of technological and military strength, but as ‘the center of culture’.” — Charles Thorpe, British Journal for the History of Science “Rigden, physicist and editor of the American Journal of Physics, has created an intimate portrait of this Titan of 20th century science The book takes the reader into a world where powerful physical forces and powerful political forces come together to shape our century.” — Bulletin of Science, Technology & Society “[A] satisfying, sympathetic portrait of a modest, brilliant scientist who regards his calling as ‘sacred,’ a religious exploration of ‘one God,’ the God being nature. Readers will treasure equally the story of Rabi’s molecular-beam experiments which earned him the Nobel Prize in 1944 and a gallery of revealing glimpses of his scientist friends, chief among them J. Robert Oppenheimer.” — Publishers Weekly “I. I. Rabi is one of this country’s most distinguished physicists his life has encompassed all of this century and the revolution in physics that it produced an interesting story, ably told by John S. Rigden, a physicist at the University of Missouri-St. Louis.” — Lee Dembart, Los Angeles Times

Research Grants Index When Kate L. Turabian first put her famous guidelines to paper, she could hardly have imagined the world in which today’s students would be conducting research. Yet while the ways in which we research and compose papers may have changed, the fundamentals remain the same: writers need to have a strong research question, construct an evidence-based argument, cite their sources, and structure their work in a logical way. A Manual for Writers of Research Papers, Theses, and Dissertations—also known as “Turabian”—remains one of the most popular books for writers because of its timeless focus on achieving these goals. This new edition filters decades of expertise into modern standards. While previous editions incorporated digital forms of research and writing, this edition goes even further to build information literacy, recognizing that most students will be doing their work largely or entirely online and on screens. Chapters include updated advice on finding, evaluating, and citing a wide range of digital sources and also recognize the evolving use of software for citation management, graphics, and paper format and submission. The ninth edition is fully aligned with the recently released Chicago Manual of Style, 17th edition, as well as with the latest edition of The Craft of Research. Teachers and users of the previous editions will recognize the familiar three-part structure. Part 1 covers every step of the research and writing process, including drafting and revising. Part 2 offers a comprehensive guide to Chicago’s two methods of source citation: notes-bibliography and author-date. Part 3 gets into matters of editorial style and the correct way to present quotations and visual material. A Manual for Writers also covers an issue familiar to writers of all levels: how to conquer the fear of tackling a major writing project. Through eight decades and millions of copies, A Manual for Writers has helped generations shape their ideas into compelling research papers. This new edition will continue to be the gold standard for college and graduate students in virtually all academic disciplines.

Encyclopedia of Polymer Applications, 3 Volume Set Dewey. Bellow. Strauss. Friedman. The University of Chicago has been the home of some of the most important thinkers of the modern age. But perhaps no name has been spoken with more respect than Turabian. The dissertation secretary at Chicago for decades, Kate Turabian literally wrote the book on the successful completion and submission of the

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student paper. Her *Manual for Writers of Research Papers, Theses, and Dissertations*, created from her years of experience with research projects across all fields, has sold more than seven million copies since it was first published in 1937. Now, with this seventh edition, Turabian's Manual has undergone its most extensive revision, ensuring that it will remain the most valuable handbook for writers at every level—from first-year undergraduates, to dissertation writers apprehensively submitting final manuscripts, to senior scholars who may be old hands at research and writing but less familiar with new media citation styles. Gregory G. Colomb, Joseph M. Williams, and the late Wayne C. Booth—the gifted team behind *The Craft of Research*—and the University of Chicago Press Editorial Staff combined their wide-ranging expertise to remake this classic resource. They preserve Turabian's clear and practical advice while fully embracing the new modes of research, writing, and source citation brought about by the age of the Internet. Booth, Colomb, and Williams significantly expand the scope of previous editions by creating a guide, generous in length and tone, to the art of research and writing. Growing out of the authors' best-selling *Craft of Research*, this new section provides students with an overview of every step of the research and writing process, from formulating the right questions to reading critically to building arguments and revising drafts. This leads naturally to the second part of the *Manual for Writers*, which offers an authoritative overview of citation practices in scholarly writing, as well as detailed information on the two main citation styles ("notes-bibliography" and "author-date"). This section has been fully revised to reflect the recommendations of the fifteenth edition of *The Chicago Manual of Style* and to present an expanded array of source types and updated examples, including guidance on citing electronic sources. The final section of the book treats issues of style—the details that go into making a strong paper. Here writers will find advice on a wide range of topics, including punctuation, table formatting, and use of quotations. The appendix draws together everything writers need to know about formatting research papers, theses, and dissertations and preparing them for submission. This material has been thoroughly vetted by dissertation officials at colleges and universities across the country. This seventh edition of Turabian's *Manual for Writers of Research Papers, Theses, and Dissertations* is a classic reference revised for a new age. It is tailored to a new generation of writers using tools its original author could not have imagined—while retaining the clarity and authority that generations of scholars have come to associate with the name Turabian.

HISTORY AND PHILOSOPHY OF SCIENCE AND TECHNOLOGY -Volume III

The Encyclopedia of Physics This three-volume set presents entries and primary sources that will impress on readers that what we do—or don't do—today regarding climate change will dramatically influence what life on this planet will be like for untold numbers of generations. • Provides readers with a clearly written description of global-warming science and its role in shaping a body of knowledge regarding a worldwide issue that affects everyone • Suggests remedies for this serious problem, most notably a rapid rise in the implementation of wind power generation and a coming revolution in solar energy • Impresses on readers that what Americans and the citizens and governments of other nations around the globe do over the next decades will determine the future of this planet for many tens of thousands of years to come • Includes primary documents sourced from major scientific journals and from the many reports on recent climate change from governmental organizations, including the Intergovernmental Panel on Climate Change (IPCC) and World Meteorological Organization (WMO), both part of the United Nations; and the U.S. government's National Climate Assessment

Asian Americans: An Encyclopedia of Social, Cultural, Economic, and Political History [3 volumes] Prev. ed. published under title: *Encyclopedia of global warming and climate change.*

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