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### **KEY=OF - KASH CALLUM**

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#### **PIONEERS OF SCIENCE**

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CreateSpace "Pioneers of Science" from Oliver Lodge. British physicist and writer (1851-1940).

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#### **PIONEERS OF SCIENCE**

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#### **BLACK PIONEERS OF SCIENCE AND INVENTION**

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Houghton Mifflin Harcourt Traces the lives of fourteen black scientists and inventors who have made significant contributions in the various fields of science and industry. Reprint.

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#### **PIONEERS OF SOCIOLOGICAL SCIENCE**

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Cambridge University Press In this study of pioneers of the field, Goldthorpe explains how present-day sociological science developed from the seventeenth century onwards. It will appeal to students and scholars of sociology and to anyone engaged in social science research, from statisticians to social historians.

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#### **PIONEERS OF SCIENCE AND TECHNOLOGY**

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B.E.S. Publishing Discover female innovators and inventors from past and present, including Rosalind Franklin, Marie Curie, Lisa Meitner, Jane Goodall, Katherine Johnson, Chien-Shiung Woo, Indira Nath, Wanda Diaz Merced, and many others.

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#### **GERMAN-JEWISH PIONEERS IN SCIENCE 1900-1933**

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#### **HIGHLIGHTS IN ATOMIC PHYSICS, CHEMISTRY, AND BIOCHEMISTRY**

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Springer Science & Business Media The Leo Baeck Institute, to whose late president this book is dedicated, has three branches, located in Jerusalem, London, and New York. Its chief aim is the collection of documents describing the history of Jews in German-speaking countries, the manifold aspects of the association of the two ethnic groups, over a period of about 150 years; that is, from the time of the Enlightenment until the rise to power of the Nazi regime. Twenty-three Year Books (1956-1978) so far and many additional volumes about special fields have been published by the institute. They offer an impressive documentation of the role Jews played in Germany, some of their great achievements, the difficulties they encountered in their struggle for equal rights, as well as its slow but seemingly successful progress. A wealth of interesting material describes the mutual stimulation of the creative forces of the two ethnic groups in a great variety of fields-literature, music, the performing arts, philosophy, humanities, the shaping of public opinion, economy, commerce, and industry. Since the destruction of the Second Temple by the Romans, there have been only a few periods during which Jews played such an eminent role in the history of their host nation. As was forcefully emphasized by Gerson D.

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## WOMEN IN SCIENCE

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### FEARLESS PIONEERS WHO CHANGED THE WORLD

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Crown Books For Young Readers A collection of artworks inspired by the lives and achievements of fifty famous women in science, technology, engineering, and mathematics, from the ancient world to the present, profiles each notable individual.

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### SPRINGERBRIEFS ON PIONEERS IN SCIENCE AND PRACTICE

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### SCIENCE PIONEERS

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### PIONEERS IN MICROBIOLOGY: THE HUMAN SIDE OF SCIENCE

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World Scientific Pasteurization, penicillin, Koch's postulates, and gene coding. These discoveries and inventions are vital yet commonplace in modern life, but were radical when first introduced to the public and academia. In this book, the life and times of leading pioneers in microbiology are discussed in vivid detail, focusing on the background of each discovery and the process in which they were developed – sometimes by accident or sheer providence.

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### PIONEERS OF SCIENCE

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### SEVEN PICTURES OF STRUGGLE AND VICTORY

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### PIONEERS OF COLOR SCIENCE

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Springer This book provides a comprehensive overview of the historical development of color science, told through the stories of more than 90 of the most prominent figures in the field and their contributions. The text comprises an extensive set of biographical essays about pioneering scientists in the field of color science, describing their most significant achievements and explaining how their findings influenced the general understanding of color. Grouped by historical period, each part is prefaced with a short introduction that sets the essays into context and helps the reader appreciate the background and the importance of the contributions made. /divBeginning with classical Greece and the works of Plato and Aristotle, the book goes on in the second part to describe the advances made by Islamic scholars such as Ibn al-Haytham between the 10th and 15th centuries. The third part covers contributions from Roger Bacon and Theodoric of Freiberg in the same period. Part four includes discussions on color formation and visual perception for a time period from about the 16th to the 18th centuries encompassing the Age of Enlightenment. This part addresses the works of nineteen pioneers including Descartes, Boyle, Newton, Goethe, Lambert, Purkynje, Runge, Dalton, Young and Chevreul. The final part is the largest section of the book and covers the most recent discoveries and contributions from pioneers born after 1800 and includes over 60 essays. Among the pioneers listed in this chapter are Nobel laureates, vision scientists including Helmholtz, and Hering, and many other notable color pioneers such as Munsell and Land. This part of the book also includes essays on contemporary figures in color science including Adams, Boynton, Crawford, Hardy, MacAdam, Ostwald and Wyszecki and reviews their contributions to this dynamic field./div A useful reference for color scientists, science historians, artists and others, Pioneers of Color Science offers a fascinating insight into the development of color science and the nature of scientific advancement.

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### BRILLIANT WOMEN

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Hachette UK Discover the stories of 68 brave and brilliant women Curious, provocative, engaging, brave, and funny - women who change the world are diverse, intriguing and brilliant. Filled with wonderful illustrations and engaging activities that will nurture your own varied skills, Brilliant Women compiles the stories of inspiring women from every field. Retelling their triumphs and adversities, this beautiful book reveals and celebrates the women who have shaped the world we live in now. Perfect reading for the next generation of brilliant girls and boys. Suitable for readers aged 9 and up.

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### JOHAN GALTUNG

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## **PIONEER OF PEACE RESEARCH**

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Springer Science & Business Media This is the first ever anthology of key articles by Johan Galtung, widely regarded as the founder of the academic discipline of peace studies. It covers such concepts as direct, structural and cultural violence; theories of conflict, development, civilization and peace; peaceful conflict transformation; peace education; mediation; reconciliation; a life-sustaining economy; macro-history; deep culture and deep structure; and social science methodology. Galtung has contributed original research, concepts and theories to more than 20 social science disciplines, including sociology, international relations and future studies, and has also applied his new insights in practice. The book is a valuable resource for researchers and practitioners, and can serve as a supplemental textbook for graduate and upper undergraduate courses in peace studies and related fields.

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## **PIONEERS OF SCIENCE PACK 2**

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Burns & Oates

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## **POLYMER PIONEERS**

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## **A POPULAR HISTORY OF THE SCIENCE AND TECHNOLOGY OF LARGE MOLECULES**

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Chemical Heritage Foundation Biographical sketches of 12 pioneers, from Marcellin Berthollet and John Wesley Hyatt to Karl Ziegler and Giulio Natta, accompany an introductory overview of the history of polymer science. Time charts before each chapter summarize significant events.

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## **PIONEERS OF SCIENCE**

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Hardpress Publishing Unlike some other reproductions of classic texts (1) We have not used OCR(Optical Character Recognition), as this leads to bad quality books with introduced typos. (2) In books where there are images such as portraits, maps, sketches etc We have endeavoured to keep the quality of these images, so they represent accurately the original artefact. Although occasionally there may be certain imperfections with these old texts, we feel they deserve to be made available for future generations to enjoy.

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## **EARTH SCIENCE**

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## **THE PEOPLE BEHIND THE SCIENCE**

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Infobase Publishing Earth science is the study of the Earth, its origin, its structure, the changes it has undergone, and the past and future consequences of those changes. Its four major branches include meteorology, oceanography, astronomy, and geology. From the formulation of the three major principles of modern geology to the publishing of Principles of Geology, Earth Science profiles 10 influential people who made amazing discoveries in Earth science. Each chapter contains relevant information on the scientist's childhood, research, discoveries, and lasting contributions to the field and concludes with a chronology and a list of print and Internet references specific to that individual.

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## **SCIENTIFIC PIONEERS**

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## **WOMEN SUCCEEDING IN SCIENCE**

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University Press of Amer This book critically examines the career development of female scientific pioneers. Drawing from existing biographical and ethnographical data, author Joyce Tang analyzes the life and career histories of ten extraordinary female scientists-Marie Curie, Irene Joliot-Curie, Margaret Mead, Barbara McClintock, Maria Goeppert-Meyer, Rachel Carson, Rita Levi-Montalcini, Dorothy Hodgkin, Rosalyn Yalow, and Fay Ajzenberg-Selove. The author explores the personal, political, cultural, and economic factors that led to the success of these women. Scientific Pioneers proposes that for a woman to be successful in science not only requires perseverance and talent, but also structural opportunities, institutional support, and conscious decision making. Scientific Pioneers is an important addition to the growing literature about women in science, the sociology of science, and the dynamics of discrimination. This analysis of female scientific pioneers is an invaluable resource for both public policy debates and research on inequality.

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**PIONEERS OF SCIENCE IN AMERICA**

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**SKETCHES OF THEIR LIVES AND SCIENTIFIC WORK**

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**PIONEERS OF SCIENCE AND EXPLORATIONS**

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Chelsea House Pub

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**PIONEERS OF PERSONALITY SCIENCE**

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**AUTOBIOGRAPHICAL PERSPECTIVES**

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Springer Publishing Company The field of personology or personality is enjoying great growth, spurred by findings from behavior genetics, evolutionary psychology, rethinking of the Diagnostic and Statistical Manual of Mental Disorders definition of personality disorders, and advances in test construction and psychometrics . This book traces the development of the field, written by those who were the pioneers of personality assessment. Sixteen autobiographical chapters written by the pioneers of personality assessment trace the development of the field. With accompanying photos and a concise bibliography from each contributor, this one-of-a-kind compilation of the past, present, and future of personology provide a unique insider's view of the discipline.

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**PIONEERS OF SCIENCE AND DISCOVERY**

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**PIONEERS IN POLYMER SCIENCE**

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Springer Science & Business Media Because of a lack of appreciation for his efforts in developing modern polymer science, the contributions of Hermann Staudinger were disregarded for decades. There have also been delays in recognizing the contributions of other pioneers in polymer science. Hence, it is gratifying to note that Professor Seymour chaired an American Chemical Society Symposium focusing on the contributions of these pioneers and that Kluwer Academic Publishers has published the proceedings of this important symposium. H.Mark v DEDICATION This book on Pioneers in Polymer Science is dedicated to Nobel Laureate Polymer Scientists Hermann Staudinger, Emil Fischer, Herman Mark, Paul J. Flory, Linus Pauling, Carl S. Marvel, M. Polanyi, Giulio Natta, Karl Ziegler, and Bruce Merrifield as well as to those pioneers such as J.C. Patrick, Robert Thomas, William Sparks, Maurice Huggins, Otto Bayer, Leo Baekeland, Anselm Payer, Roger Boyer, Waldo Semon, Robert Banks, J.P. Hogan, and other pioneers who, to a large degree, were responsible for the development of the world's second largest industry. ACKNOWLEDGEMENT The editor appreciates the contribution of co-authors Herman Mark, C.H. Fisher, and G. Alan Stahl who co chaired the Symposium on Pioneers in Polymer Science at the National Meeting of the American Chemical Society at Seattle, WA in 1984 and who contributed a chapter in this book. The editor is particularly grateful to Mischa Thomas who typed this manuscript.

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**PIONEERS IN FOOD SCIENCE**

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**PIONEERS OF SCIENCE**

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**GOING BACK TO OUR FUTURE II**

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**CARRYING FORWARD THE SPIRIT OF PIONEERS OF SCIENCE EDUCATION**

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IAP "Who were the pioneers in science education, and what motivated them to do what they did?" This book is the second volume of an attempt to capture and record some of the answers to these questions—either from the pioneers themselves or from those persons who worked most closely with them. As with the first volume, we have attempted to include as many pioneers as possible, but we know that there are still many that are not included in this or the previous volume. As we have posed questions, rummaged through files and oft-neglected books, and probed the memories of many individuals, we have come to realize our list of true pioneers is ever growing. As we consider our list of pioneers, we know that there are names on the list that most of us readily recognize. We also fully realize that there are names of whom few of us have heard—yet who were significant in their roles as

mentors or idea development and teaching. We continue to be impressed with our science education “family tree” ever branching out to more individuals and connections. The stories in this volume continue to demonstrate how vital this network was in supporting the individual pioneers during their journey in difficult times and continues to be for those of us today in our own enterprise.

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## **PIONEERS OF SCIENCE**

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DigiCat This book originated as a course of lectures on the history and progress of Astronomy arranged for Sir Oliver Lodge in 1887. The first part is devoted to the biographies and discoveries of famous astronomers like Copernicus, Brahe, Kepler, Galileo, and Newton. In the second part, the author discusses scientific discoveries, like Asteroids and Neptune, a treatise on the tides and others.

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## **CHEMISTRY**

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### **THE PEOPLE BEHIND THE SCIENCE**

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Infobase Publishing Modern chemistry is the scientific study of the composition of the natural world. From the atomic theory of matter to the development of the first periodic table of elements to the explanation of the nature of chemical bonding, Chemistry examines 10 people who made some of the most progressive steps in the field. Each chapter contains relevant information on the scientist's childhood, research, discoveries, and lasting contributions to the field and concludes with a chronology and a list of print and Internet references specific to that individual.

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## **MISTRESS OF SCIENCE**

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### **THE STORY OF THE REMARKABLE JANET TAYLOR, PIONEER OF SEA NAVIGATION**

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Amberley Publishing Limited The first biography of the remarkable Janet Taylor, a nineteenth-century navigator and mathematician who left an incredible mark on the male-dominated field of sea navigation

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## **PHYSICS**

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### **THE PEOPLE BEHIND THE SCIENCE**

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Chelsea House Pub Presents biographical profiles of ten individuals who made major contributions to the field, including Sir Isaac Newton, Michael Faraday, Max Planck, Lise Meitner, Albert Einstein, and Richard Feynman.

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## **PIONEERS OF SCIENCE IN AMERICA**

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### **SKETCHES OF THEIR LIVES AND SCIENTIFIC WORK**

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### **RESEARCH AND DISCOVERY**

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### **LANDMARKS AND PIONEERS IN AMERICAN SCIENCE**

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Sharpe Reference An overview of the history of science in America since colonial times. This set is divided into fourteen sections that include overview essays tracing the historical development of the specific discipline in a cultural and social context; A-to-Z entries on people, institutions, events, developments, and significant concepts; and more.

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## **PIONEERS IN FORENSIC SCIENCE**

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## **INNOVATIONS AND ISSUES IN PRACTICE**

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**CRC Press** This book highlights the contributions of leading forensic science practitioners, iconic figures who have been integral in both establishing current scientific and medicolegal practices and innovative evidence collection, testing, and analysis methods. Such professionals include Henry Lee, Michael Baden, William Bass, Jay Siegel, John Butler, Cyril Wecht, Vincent Di Maio, Marcella Fierro, Barry Fisher, and more. Previously unpublished interviews with these pioneers in the field, expressly undertaken for the purposes this book, examine the last 30 years—past trends that have shaped the field—as well as current and emerging trends that have, and will shape, the future of forensic science.

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## **PROMISE OF SCIENCE, THE: ESSAYS AND LECTURES FROM MODERN SCIENTIFIC PIONEERS**

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**World Scientific** This thought-provoking publication covers a wide-range of innovative areas of research and technologies that are unlocking groundbreaking new potentials in science. It contains important scientific information gleaned from the lectures of some of the world's experts in their respective fields. The book offers 'exceptional scientific insights, oftentimes addressing challenges before they are even recognized as questions. Chronicling the revolutionary ideas of Nobel Laureates, winners of Wolf Prize, US National Medal of Science and other notable scientists.

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## **PIONEER SCIENCE AND THE GREAT PLAGUES**

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### **HOW MICROBES, WAR, AND PUBLIC HEALTH SHAPED ANIMAL HEALTH**

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**Pioneer Science and the Great Plagues** covers the century when infectious plagues--anthrax, tuberculosis, tetanus, plague, smallpox, and polio--were conquered, and details the important role that veterinary scientists played. The narrative is driven by astonishing events that centered on animal disease: the influenza pandemic of 1872, discovery of the causes of anthrax and tuberculosis in the 1880s, conquest of Texas cattle fever and then yellow fever, German anthrax attacks on the United States during World War I, the tuberculin war of 1931, Japanese biological warfare in the 1940s, and today's bioterror dangers. Veterinary science in the rural Midwest arose from agriculture, but in urban Philadelphia it came from medicine; similar differences occurred in Canada between Toronto and Montreal. As land-grant colleges were established after the American Civil War, individual states followed divergent pathways in supporting veterinary science. Some employed a trade school curriculum that taught agriculturalists to empirically treat animal diseases and others emphasized a curriculum tied to science. This pattern continued for a century, but today some institutions have moved back to the trade school philosophy. Avoiding lessons of the 1910 Flexner Report on medical education reform, university-associated veterinary schools are being approved that do not have control of their own veterinary hospitals, diagnostic laboratories, and research institutes--components that are critical for training students in science. Underlying this change were twin idiosyncrasies of culture--disbelief in science and distrust of government--that spawned scientology, creationism, anti-vaccination movements, and other anti-science scams. As new infectious plagues continue to arise, **Pioneer Science and the Great Plagues** details the strategies we learned defeating plagues from 1860 to 1960--and the essential role veterinary science played. To defeat the plagues of today it is essential we avoid the digital cocoon of disbelief in science and cultural stasis now threatening progress.

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## **KARL BENZ**

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**Franklin Watts** A biography of the German engineer and inventor who pioneered in building motor-driven vehicles.

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## **PIONEERS IN SCIENTIFIC DISCOVERIES**

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**Mittal Publications**

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## **FORGOTTEN IDEAS, NEGLECTED PIONEERS**

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### **RICHARD SEMON AND THE STORY OF MEMORY**

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**Psychology Press** Richard Semon was a German evolutionary biologist who wrote, during the first decade of the twentieth century, two fascinating analyses of the workings of human memory which were ahead of their time. Although these have been virtually unknown to modern researchers, Semon's work has been rediscovered during the past two decades and has begun to have an influence on the field. This book not only examines Semon's contribution to memory research, but also tells the story of an extraordinary life set

against the background of a turbulent period in European history and major developments in science and evolutionary theory. The resulting book is an engaging blend of biographical, historical and psychological material.

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**PIONEERS OF SCIENCE AND THE DEVELOPMENT OF THEIR SCIENTIFIC THEORIES**

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**WITH PORTRAITS AND OTHER 120 ILL**

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