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AMERICAN MILITARY HISTORY VOLUME 1

**THE UNITED STATES ARMY AND THE FORGING OF A NATION,
1775-1917**

American Military History provides the United States Army-in particular, its young officers, NCOs, and cadets-with a comprehensive but brief account of its past. The Center of Military History first published this work in 1956 as a textbook for senior ROTC courses. Since then it has gone through a number of updates and revisions, but the primary intent has remained the same. Support for military history education has always been a principal mission of the Center, and this new edition of an invaluable history furthers that purpose. The history of an active organization tends to expand rapidly as the organization grows larger and more complex. The period since the Vietnam War, at which point the most recent edition ended, has been a significant one for the Army, a busy period of expanding roles and missions and of fundamental organizational changes. In particular, the explosion of missions and deployments since 11 September 2001 has necessitated the creation of additional, open-ended chapters in the story of the U.S. Army in action. This first volume covers the Army's history from its birth in 1775 to the eve of World War I. By 1917, the United States was already a world power. The Army had sent large expeditionary forces beyond the American hemisphere, and at the beginning of the new century Secretary of War Elihu Root had proposed changes and reforms that within a generation would shape the Army of the future. But world war-global war-was still to come. The second volume of this new edition will take up that story and extend it into the twenty-first century and the

early years of the war on terrorism and includes an analysis of the wars in Afghanistan and Iraq up to January 2009.

DEPARTMENT OF DEFENSE DICTIONARY OF MILITARY AND ASSOCIATED TERMS

ENGLISH AS A GLOBAL LANGUAGE

Cambridge University Press **David Crystal's classic English as a Global Language considers the history, present status and future of the English language, focusing on its role as the leading international language. English has been deemed the most 'successful' language ever, with 1500 million speakers internationally, presenting a difficult task to those who wish to investigate it in its entirety. However, Crystal explores the subject in a measured but engaging way, always backing up observations with facts and figures. Written in a detailed and fascinating manner, this is a book written by an expert both for specialists in the subject and for general readers interested in the English language.**

YOUR INNER FISH

A JOURNEY INTO THE 3.5-BILLION-YEAR HISTORY OF THE HUMAN BODY

Vintage **A fascinating chronicle of the evolution of humankind traces the genetic history of the organs of the human body, offering a revealing correlation between the distant past and present-day human anatomy and physiology, behavior, illness, and DNA. Reprint. 75,000 first printing.**

THE EVERYTHING STORE

JEFF BEZOS AND THE AGE OF AMAZON

Little, Brown **The authoritative account of the rise of Amazon and its intensely driven founder, Jeff Bezos, praised by the Seattle Times as "the definitive account of how a tech icon came to life." Amazon.com started off delivering books through the mail. But its visionary founder, Jeff Bezos, wasn't content with being a bookseller. He wanted Amazon to become the everything store, offering limitless selection and seductive convenience at disruptively low prices. To do so, he developed a corporate culture of relentless ambition and secrecy that's never been cracked. Until now. Brad Stone enjoyed unprecedented access to current and former Amazon employees and Bezos family members, giving readers the first in-depth, fly-on-the-wall account of life at Amazon. Compared to tech's other elite innovators -- Jobs, Gates, Zuckerberg -- Bezos is a private man. But he stands out for his restless pursuit of new markets, leading Amazon into risky new ventures like the Kindle and cloud computing, and transforming retail in the same way Henry Ford revolutionized manufacturing. The Everything Store is the revealing, definitive biography of the company that**

placed one of the first and largest bets on the Internet and forever changed the way we shop and read.

NO USELESS MOUTH

WAGING WAR AND FIGHTING HUNGER IN THE AMERICAN REVOLUTION

Cornell University Press In the era of the American Revolution, the rituals of diplomacy between the British, Patriots, and Native Americans featured gifts of food, ceremonial feasts, and a shared experience of hunger. When diplomacy failed, Native Americans could destroy food stores and cut off supply chains in order to assert authority. Black colonists also stole and destroyed food to ward off hunger and carve out tenuous spaces of freedom. Hunger was a means of power and a weapon of war. In *No Useless Mouth* Rachel B. Herrmann argues that Native Americans and formerly enslaved black colonists ultimately lost the battle against hunger and the larger struggle for power because white British and United States officials curtailed the abilities of men and women to fight hunger on their own terms. By describing three interrelated behaviors—food diplomacy, victual imperialism, and victual warfare—the book shows that, during this tumultuous period, hunger prevention efforts offered strategies to claim power, maintain communities, and keep rival societies at bay. Herrmann shows how Native Americans, free blacks, and enslaved peoples were "useful mouths"—not mere supplicants for food, without rights or power—who used hunger for cooperation and violence, and took steps to circumvent starvation. Her wide-ranging research on black Loyalists, Iroquois, Cherokee, Creek, and Western Confederacy Indians demonstrates that hunger creation and prevention were tools of diplomacy and warfare available to all people involved in the American Revolution. Placing hunger at the center of these struggles foregrounds the contingency and plurality of power in the British Atlantic during the Revolutionary Era.

BALANCED SCORECARD STEP-BY-STEP

MAXIMIZING PERFORMANCE AND MAINTAINING RESULTS

John Wiley & Sons This book explains how an organization can measure and manage performance with the Balanced Scorecard methodology. It provides extensive background on performance management and the Balanced Scorecard, and focuses on guiding a team through the step-by-step development and ongoing implementation of a Balanced Scorecard system. Corporations, public sector agencies, and not for profit organizations have all reaped success from the Balanced Scorecard. This book supplies detailed implementation advice that is readily applied to any and all of these organization types. Additionally, it will benefit organizations at any stage of Balanced Scorecard development. Regardless of whether you are just contemplating a Balanced Scorecard, require

assistance in linking their current Scorecard to management processes, or need a review of their past measurement efforts, Balanced Scorecard Step by Step provides detailed advice and proven solutions.

LIFE ON AN OCEAN PLANET

Teacher digital resource package includes 2 CD-ROMs and 1 user guide. Includes Teacher curriculum guide, PowerPoint chapter presentations, an image gallery of photographs, illustrations, customizable presentations and student materials, Exam Assessment Suite, PuzzleView for creating word puzzles, and LessonView for dynamic lesson planning. Laboratory and activity disc includes the manual in both student and teacher editions and a lab materials list.

UGLIES

Simon and Schuster **The first book in Scott Westerfeld's international bestselling series, Uglies! Tally lives in a world where your sixteenth birthday brings aesthetic perfection: an operation which erases all your flaws, transforming you from an 'Ugly' into a 'Pretty'. She is on the eve of this important event, and cannot wait for her life to change. As well as guaranteeing supermodel looks, life as a Pretty seems to revolve around having a good time. But then she meets Shay, who is also fifteen - but with a very different outlook on life. Shay isn't sure she wants to be Pretty and plans to escape to a community in the forest - the Rusty Ruins - where Uglies go to escape 'turning'. Tally won't be persuaded to join her, as this would involve sacrificing everything she's ever wanted for a lot of uncertainty. When she is taken in for questioning on her birthday, however, Tally gets sent to the Ruins anyway - against her will. The authorities offer Tally the worst choice she could ever imagine: find her friend Shay and turn her in, or never turn Pretty at all. What she discovers in the Ruins reveals that there is nothing 'pretty' about the transformations... And the choice Tally makes will change her world forever. 'Fast paced, exciting and thought-provoking.' The Bookseller's Choice 'Superb sci-fi.' Amanda Craig, The Times Supplement 'Westerfeld introduces thought-provoking issues' Publishers Weekly 'The longing for fairy-tale beauty has never looked so sinister' Amanda Craig, The Times 'With a beginning and ending that pack hefty punches, this introduction to a dystopic future promises an exciting series.' Kirkus **starred review** 'Naughty children, from Max in Maurice Sendak's *Where the Wild Things Are*, to Tally in Scott Westerfeld's *Uglies* trilogy, have the imagination and energy to go beyond convention.' The Times 'This exciting story makes you realise how important it is not to judge people by appearances.' Newcastle Upon Tyne Journal 'This book is a real thrill-ride and the world utterly convincing.' Trashionista.com 'Fun, and the many by-the-skin-of-your-teeth escapes and hoverboard chases, plus the non-stop action plotting were enough to catch my attention and have me eagerly wanting more.' The**

Book Smugglers Also by Scott Westerfeld: Pretties Specials Extras Afterworlds

PRINCIPLES OF MEDICAL BIOCHEMISTRY E-BOOK

Elsevier Health Sciences For nearly 30 years, Principles of Medical Biochemistry has integrated medical biochemistry with molecular genetics, cell biology, and genetics to provide complete yet concise coverage that links biochemistry with clinical medicine. The 4th Edition of this award-winning text by Drs. Gerhard Meisenberg and William H. Simmons has been fully updated with new clinical examples, expanded coverage of recent changes in the field, and many new case studies online. A highly visual format helps readers retain complex information, and USMLE-style questions (in print and online) assist with exam preparation. Just the right amount of detail on biochemistry, cell biology, and genetics - in one easy-to-digest textbook. Full-color illustrations and tables throughout help students master challenging concepts more easily. Online case studies serve as a self-assessment and review tool before exams. Online access includes nearly 150 USMLE-style questions in addition to the questions that are in the book. Glossary of technical terms. Clinical Boxes and Clinical Content demonstrate the integration of basic sciences and clinical applications, helping readers make connections between the two. New clinical examples have been added throughout the text.

GROWING GOURMET AND MEDICINAL MUSHROOMS

Ten Speed Press A detailed and comprehensive guide for growing and using gourmet and medicinal mushrooms commercially or at home. "Absolutely the best book in the world on how to grow diverse and delicious mushrooms."—David Arora, author of *Mushrooms Demystified* With precise growth parameters for thirty-one mushroom species, this bible of mushroom cultivation includes gardening tips, state-of-the-art production techniques, realistic advice for laboratory and growing room construction, tasty mushroom recipes, and an invaluable troubleshooting guide. More than 500 photographs, illustrations, and charts clearly identify each stage of cultivation, and a twenty-four-page color insert spotlights the intense beauty of various mushroom species. Whether you're an ecologist, a chef, a forager, a pharmacologist, a commercial grower, or a home gardener—this indispensable handbook will get you started, help your garden succeed, and make your mycological landscapes the envy of the neighborhood.

MEDIA ECOLOGIES

MATERIALIST ENERGIES IN ART AND TECHNOCULTURE

MIT Press A "dirty materialist" ride through the media cultures of pirate radio, photography, the Internet, media art, cultural evolution, and

surveillance.

THE CONDITION OF THE WORKING-CLASS IN ENGLAND IN 1844

THE GENDER KNOT

Pearson Education India

FOUNDATIONS OF PARASITOLOGY

PHYSICS: A FIRST COURSE

VOLUME 1 - STUDENT EDITION

CPO Science

HOOSIERS AND THE AMERICAN STORY

Indiana Historical Society **A supplemental textbook for middle and high school students, Hoosiers and the American Story provides intimate views of individuals and places in Indiana set within themes from American history. During the frontier days when Americans battled with and exiled native peoples from the East, Indiana was on the leading edge of America's westward expansion. As waves of immigrants swept across the Appalachians and eastern waterways, Indiana became established as both a crossroads and as a vital part of Middle America. Indiana's stories illuminate the history of American agriculture, wars, industrialization, ethnic conflicts, technological improvements, political battles, transportation networks, economic shifts, social welfare initiatives, and more. In so doing, they elucidate large national issues so that students can relate personally to the ideas and events that comprise American history. At the same time, the stories shed light on what it means to be a Hoosier, today and in the past.**

SINGAPORE IN GLOBAL HISTORY

Amsterdam University Press **This important overview explores the connections between Singapore's past with historical developments worldwide until present day. The contributors analyse Singapore as a city-state seeking to provide an interdisciplinary perspective to the study of the global dimensions contributing to Singapore's growth. The book's global perspective demonstrates that many of the discussions of Singapore as a city-state have relevance and implications beyond Singapore to include Southeast Asia and the world. This vital volume should not be missed by economists, as well as those interested in imperial history.**

MULTIPLE REGRESSION AND BEYOND

AN INTRODUCTION TO MULTIPLE REGRESSION AND STRUCTURAL EQUATION MODELING

Routledge Companion Website materials: <https://tzkeith.com/> Multiple Regression and Beyond offers a conceptually-oriented introduction to multiple regression (MR) analysis and structural equation modeling (SEM), along with analyses that flow naturally from those methods. By focusing on the concepts and purposes of MR and related methods, rather than the derivation and calculation of formulae, this book introduces material to students more clearly, and in a less threatening way. In addition to illuminating content necessary for coursework, the accessibility of this approach means students are more likely to be able to conduct research using MR or SEM--and more likely to use the methods wisely. This book:

- Covers both MR and SEM, while explaining their relevance to one another
- Includes path analysis, confirmatory factor analysis, and latent growth modeling
- Makes extensive use of real-world research examples in the chapters and in the end-of-chapter exercises
- Extensive use of figures and tables providing examples and illustrating key concepts and techniques

New to this edition:

- New chapter on mediation, moderation, and common cause
- New chapter on the analysis of interactions with latent variables and multilevel SEM
- Expanded coverage of advanced SEM techniques in chapters 18 through 22
- International case studies and examples
- Updated instructor and student online resources

THE INTERNATIONAL SPACE STATION

OPERATING AN OUTPOST IN THE NEW FRONTIER

Government Printing Office Looks at the operations of the International Space Station from the perspective of the Houston flight control team, under the leadership of NASA's flight directors, who authored the book. The book provides insight into the vast amount of time and energy that these teams devote to the development, planning and integration of a mission before it is executed. The passion and attention to detail of the flight control team members, who are always ready to step up when things do not go well, is a hallmark of NASA human spaceflight operations. With tremendous support from the ISS program office and engineering community, the flight control team has made the International Space Station and the programs before it a success.

DEATH 24X A SECOND

STILLNESS AND THE MOVING IMAGE

Reaktion Books A fascinating exploration of the role new media technologies play in our experience of film.

HOW I BECAME A QUANT

INSIGHTS FROM 25 OF WALL STREET'S ELITE

John Wiley & Sons **Praise for How I Became a Quant** "Led by two top-notch quants, Richard R. Lindsey and Barry Schachter, *How I Became a Quant* details the quirky world of quantitative analysis through stories told by some of today's most successful quants. For anyone who might have thought otherwise, there are engaging personalities behind all that number crunching!" --Ira Kawaller, Kawaller & Co. and the Kawaller Fund "A fun and fascinating read. This book tells the story of how academics, physicists, mathematicians, and other scientists became professional investors managing billions." --David A. Krell, President and CEO, International Securities Exchange "How I Became a Quant should be must reading for all students with a quantitative aptitude. It provides fascinating examples of the dynamic career opportunities potentially open to anyone with the skills and passion for quantitative analysis." --Roy D. Henriksson, Chief Investment Officer, Advanced Portfolio Management "Quants"--those who design and implement mathematical models for the pricing of derivatives, assessment of risk, or prediction of market movements--are the backbone of today's investment industry. As the greater volatility of current financial markets has driven investors to seek shelter from increasing uncertainty, the quant revolution has given people the opportunity to avoid unwanted financial risk by literally trading it away, or more specifically, paying someone else to take on the unwanted risk. *How I Became a Quant* reveals the faces behind the quant revolution, offering you the chance to learn firsthand what it's like to be a quant today. In this fascinating collection of Wall Street war stories, more than two dozen quants detail their roots, roles, and contributions, explaining what they do and how they do it, as well as outlining the sometimes unexpected paths they have followed from the halls of academia to the front lines of an investment revolution.

PLANT BIOTECHNOLOGY AND GENETICS

PRINCIPLES, TECHNIQUES AND APPLICATIONS

John Wiley & Sons **Designed to inform and inspire the next generation of plant biotechnologists** *Plant Biotechnology and Genetics* explores contemporary techniques and applications of plant biotechnology, illustrating the tremendous potential this technology has to change our world by improving the food supply. As an introductory text, its focus is on basic science and processes. It guides students from plant biology and genetics to breeding to principles and applications of plant biotechnology. Next, the text examines the critical issues of patents and intellectual property and then tackles the many controversies and consumer concerns over transgenic plants. The final chapter of the book provides an expert

forecast of the future of plant biotechnology. Each chapter has been written by one or more leading practitioners in the field and then carefully edited to ensure thoroughness and consistency. The chapters are organized so that each one progressively builds upon the previous chapters. Questions set forth in each chapter help students deepen their understanding and facilitate classroom discussions. Inspirational autobiographical essays, written by pioneers and eminent scientists in the field today, are interspersed throughout the text. Authors explain how they became involved in the field and offer a personal perspective on their contributions and the future of the field. The text's accompanying CD-ROM offers full-color figures that can be used in classroom presentations with other teaching aids available online. This text is recommended for junior- and senior-level courses in plant biotechnology or plant genetics and for courses devoted to special topics at both the undergraduate and graduate levels. It is also an ideal reference for practitioners.

SACRED NATURAL SITES

CONSERVING NATURE AND CULTURE

Routledge Sacred Natural Sites are the world's oldest protected places. This book focuses on a wide spread of both iconic and lesser known examples such as sacred groves of the Western Ghats (India), Sagarmatha /Chomolongma (Mt Everest, Nepal, Tibet - and China), the Golden Mountains of Altai (Russia), Holy Island of Lindisfarne (UK) and the sacred lakes of the Niger Delta (Nigeria). The book illustrates that sacred natural sites, although often under threat, exist within and outside formally recognised protected areas, heritage sites. Sacred natural sites may well be some of the last strongholds for building resilient networks of connected landscapes. They also form important nodes for maintaining a dynamic socio-cultural fabric in the face of global change. The diverse authors bridge the gap between approaches to the conservation of cultural and biological diversity by taking into account cultural and spiritual values together with the socio-economic interests of the custodian communities and other relevant stakeholders.

BORN TO RUN

A HIDDEN TRIBE, SUPERATHLETES, AND THE GREATEST RACE THE WORLD HAS NEVER SEEN

Vintage Recounts the author's experiences with the reclusive Tarahumara Indians, whose techniques allow them to run long distances with ease, and describes his training for a fifty-mile race with the tribe and a number of ultramarathoners.

WORLD HISTORY

CULTURES, STATES, AND SOCIETIES TO 1500

Annotation World History: Cultures, States, and Societies to 1500 offers a comprehensive introduction to the history of humankind from prehistory to 1500. Authored by six USG faculty members with advance degrees in History, this textbook offers up-to-date original scholarship. It covers such cultures, states, and societies as Ancient Mesopotamia, Ancient Israel, Dynastic Egypt, India's Classical Age, the Dynasties of China, Archaic Greece, the Roman Empire, Islam, Medieval Africa, the Americas, and the Khanates of Central Asia. It includes 350 high-quality images and maps, chronologies, and learning questions to help guide student learning. Its digital nature allows students to follow links to applicable sources and videos, expanding their educational experience beyond the textbook. It provides a new and free alternative to traditional textbooks, making World History an invaluable resource in our modern age of technology and advancement.

MANUAL FOR COMPLEX LITIGATION, FOURTH

PHANTOMS IN THE BRAIN

PROBING THE MYSTERIES OF THE HUMAN MIND

Harper Collins **Neuroscientist V.S. Ramachandran is internationally renowned for uncovering answers to the deep and quirky questions of human nature that few scientists have dared to address. His bold insights about the brain are matched only by the stunning simplicity of his experiments -- using such low-tech tools as cotton swabs, glasses of water and dime-store mirrors. In *Phantoms in the Brain*, Dr. Ramachandran recounts how his work with patients who have bizarre neurological disorders has shed new light on the deep architecture of the brain, and what these findings tell us about who we are, how we construct our body image, why we laugh or become depressed, why we may believe in God, how we make decisions, deceive ourselves and dream, perhaps even why we're so clever at philosophy, music and art. Some of his most notable cases: A woman paralyzed on the left side of her body who believes she is lifting a tray of drinks with both hands offers a unique opportunity to test Freud's theory of denial. A man who insists he is talking with God challenges us to ask: Could we be "wired" for religious experience? A woman who hallucinates cartoon characters illustrates how, in a sense, we are all hallucinating, all the time. Dr. Ramachandran's inspired medical detective work pushes the boundaries of medicine's last great frontier -- the human mind -- yielding new and provocative insights into the "big questions" about consciousness and the self.**

A HISTORY OF THE WORLD FROM THE 20TH TO THE 21ST CENTURY

Psychology Press Provides a comprehensive survey of the key events and personalities of this period.

ENDURING VOICES: ORAL HISTORIES OF THE U.S. ARMY EXPERIENCE IN AFGHANISTAN, 2003-2005

Government Printing Office

SLAVERY AND THE BRITISH COUNTRY HOUSE

In 2007 English Heritage commissioned initial research into links with transatlantic slavery or its abolition amongst families who owned properties now in its care. This was part of the commitment by English Heritage to commemorate the bicentenary of the abolition of the British transatlantic slave trade with work that would make a real difference to our understanding of the historic environment in the longer term. The research findings and those of other scholars and heritage practitioners were presented at the 'Slavery and the British Country House' conference which brought together academics, heritage professionals, country house owners and community researchers from across Britain to explore how country houses might be reconsidered in the light of their slavery linkages and how such links have been and might be presented to visitors. Since then the conference papers have been updated and reworked into a cutting edge volume which represents the most current and comprehensive consideration of slavery and the British country house as yet undertaken.

UNDERSTANDING GPS

PRINCIPLES AND APPLICATIONS

Artech House Mobile Communicat **Appendix B:Stability Measures for Frequency Sources 665Appendix C:Free-Space Propagation Loss 669; About the Authors 675; Index 683; Mobile Communications Library.**

HANDBOOK ON ANIMAL-ASSISTED THERAPY

THEORETICAL FOUNDATIONS AND GUIDELINES FOR PRACTICE

Elsevier The original edition was the first book to provide a comprehensive overview of the ways in which animals can assist therapists with treatment of specific populations, and/or in specific settings. The second edition continues in this vein, with 7 new chapters plus substantial revisions of continuing chapters as the research in this field has grown. New coverage includes: Animals as social supports, Use of AAT with Special Needs students, the role of animals in the family- insights for clinicians, and measuring the animal-person bond. *Contributions from veterinarians, animal trainers, psychologists, and social workers *Includes guidelines and

best practices for using animals as therapeutic companions *Addresses specific types of patients and environmental situations

THROUGH THE LANGUAGE GLASS

WHY THE WORLD LOOKS DIFFERENT IN OTHER LANGUAGES

Metropolitan Books A masterpiece of linguistics scholarship, at once erudite and entertaining, confronts the thorny question of how—and whether—culture shapes language and language, culture Linguistics has long shied away from claiming any link between a language and the culture of its speakers: too much simplistic (even bigoted) chatter about the romance of Italian and the goose-stepping orderliness of German has made serious thinkers wary of the entire subject. But now, acclaimed linguist Guy Deutscher has dared to reopen the issue. Can culture influence language—and vice versa? Can different languages lead their speakers to different thoughts? Could our experience of the world depend on whether our language has a word for "blue"? Challenging the consensus that the fundamentals of language are hard-wired in our genes and thus universal, Deutscher argues that the answer to all these questions is—yes. In thrilling fashion, he takes us from Homer to Darwin, from Yale to the Amazon, from how to name the rainbow to why Russian water—a "she"—becomes a "he" once you dip a tea bag into her, demonstrating that language does in fact reflect culture in ways that are anything but trivial. Audacious, delightful, and field-changing, *Through the Language Glass* is a classic of intellectual discovery.

ASTRONOMY

Astronomy is written in clear non-technical language, with the occasional touch of humor and a wide range of clarifying illustrations. It has many analogies drawn from everyday life to help non-science majors appreciate, on their own terms, what our modern exploration of the universe is revealing. The book can be used for either a one-semester or two-semester introductory course (bear in mind, you can customize your version and include only those chapters or sections you will be teaching.) It is made available free of charge in electronic form (and low cost in printed form) to students around the world. If you have ever thrown up your hands in despair over the spiraling cost of astronomy textbooks, you owe your students a good look at this one. Coverage and Scope Astronomy was written, updated, and reviewed by a broad range of astronomers and astronomy educators in a strong community effort. It is designed to meet scope and sequence requirements of introductory astronomy courses nationwide. Chapter 1: Science and the Universe: A Brief Tour Chapter 2: Observing the Sky: The Birth of Astronomy Chapter 3: Orbits and Gravity Chapter 4: Earth, Moon, and Sky Chapter 5: Radiation and Spectra Chapter 6: Astronomical Instruments Chapter 7: Other Worlds: An Introduction to

the Solar System Chapter 8: Earth as a Planet Chapter 9: Cratered Worlds Chapter 10: Earthlike Planets: Venus and Mars Chapter 11: The Giant Planets Chapter 12: Rings, Moons, and Pluto Chapter 13: Comets and Asteroids: Debris of the Solar System Chapter 14: Cosmic Samples and the Origin of the Solar System Chapter 15: The Sun: A Garden-Variety Star Chapter 16: The Sun: A Nuclear Powerhouse Chapter 17: Analyzing Starlight Chapter 18: The Stars: A Celestial Census Chapter 19: Celestial Distances Chapter 20: Between the Stars: Gas and Dust in Space Chapter 21: The Birth of Stars and the Discovery of Planets outside the Solar System Chapter 22: Stars from Adolescence to Old Age Chapter 23: The Death of Stars Chapter 24: Black Holes and Curved Spacetime Chapter 25: The Milky Way Galaxy Chapter 26: Galaxies Chapter 27: Active Galaxies, Quasars, and Supermassive Black Holes Chapter 28: The Evolution and Distribution of Galaxies Chapter 29: The Big Bang Chapter 30: Life in the Universe Appendix A: How to Study for Your Introductory Astronomy Course Appendix B: Astronomy Websites, Pictures, and Apps Appendix C: Scientific Notation Appendix D: Units Used in Science Appendix E: Some Useful Constants for Astronomy Appendix F: Physical and Orbital Data for the Planets Appendix G: Selected Moons of the Planets Appendix H: Upcoming Total Eclipses Appendix I: The Nearest Stars, Brown Dwarfs, and White Dwarfs Appendix J: The Brightest Twenty Stars Appendix K: The Chemical Elements Appendix L: The Constellations Appendix M: Star Charts and Sky Event Resources

PLACE IN RESEARCH

THEORY, METHODOLOGY, AND METHODS

Routledge Bridging environmental and Indigenous studies and drawing on critical geography, spatial theory, new materialist theory, and decolonizing theory, this dynamic volume examines the sometimes overlooked significance of place in social science research. There are often important divergences and even competing logics at work in these areas of research, some which may indeed be incommensurable. This volume explores how researchers around the globe are coming to terms - both theoretically and practically - with place in the context of settler colonialism, globalization, and environmental degradation. Tuck and McKenzie outline a trajectory of critical place inquiry that not only furthers empirical knowledge, but ethically imagines new possibilities for collaboration and action. Critical place inquiry can involve a range of research methodologies; this volume argues that what matters is how the chosen methodology engages conceptually with place in order to mobilize methods that enable data collection and analyses that address place explicitly and politically. Unlike other approaches that attempt to superficially tag on Indigenous concerns, decolonizing conceptualizations of land and place and Indigenous methods are central, not peripheral, to practices of critical place inquiry.

ARMY FIRES CAPABILITIES FOR 2025 AND BEYOND

To assist the Army in its reorientation toward conventional combat operations, the authors of this report identify capability gaps in the field artillery and actions that the Army should consider taking from today to roughly 2030.

HYPERION, OR THE HERMIT IN GREECE

Friedrich Hölderlin's only novel, *Hyperion* (1797-99), is a fictional epistolary autobiography that juxtaposes narration with critical reflection. Returning to Greece after German exile, following his part in the abortive uprising against the occupying Turks (1770), and his failure as both a lover and a revolutionary, *Hyperion* assumes a hermitic existence, during which he writes his letters. Confronting and commenting on his own past, with all its joy and grief, the narrator undergoes a transformation that culminates in the realisation of his true vocation. Though Hölderlin is now established as a great lyric poet, recognition of his novel as a supreme achievement of European Romanticism has been belated in the Anglophone world. Incorporating the aesthetic evangelism that is a characteristic feature of the age, *Hyperion* preaches a message of redemption through beauty. The resolution of the contradictions and antinomies raised in the novel is found in the act of articulation itself. To a degree remarkable in a prose work of any length, what it means is inseparable from how it means. In this skilful translation, Gaskill conveys the beautiful music and rhythms of Hölderlin's language to an English-speaking reader.

UNDERSTANDING MEDIA

THE EXTENSIONS OF MAN

Createspace Independent Publishing Platform When first published, Marshall McLuhan's *Understanding Media* made history with its radical view of the effects of electronic communications upon man and life in the twentieth century.

ARTIFICIAL INTELLIGENCE, CHINA, RUSSIA, AND THE GLOBAL ORDER

Given the wide-ranging implications for global competition, domestic political systems and daily life, US policymakers must prepare for the impacts of new artificial intelligence (AI)-related technologies. Anticipating AI's impacts on the global order requires US policy makers' awareness of certain key aspects of the AI-related technologies--and how those technologies will interact with the rapidly changing global system of human societies. One area that has received little in-depth examination to date is how AI-related technologies could affect countries' domestic political systems--whether authoritarian, liberal democratic, or a hybrid of the two--and how they might impact global competition between different regimes. This work highlights several key areas where AI-related

technologies have clear implications for globally integrated strategic planning and requirements.