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KEY=GRADE - LAILA MAXWELL

Fundamentals of Functional Analysis Springer This book provides a unique path for graduate or advanced undergraduate students to begin studying the rich subject of functional analysis with fewer prerequisites than is normally required. The text begins with a self-contained and highly efficient introduction to topology and measure theory, which focuses on the essential notions required for the study of functional analysis, and which are often buried within full-length overviews of the subjects. This is particularly useful for those in applied mathematics, engineering, or physics who need to have a firm grasp of functional analysis, but not necessarily some of the more abstruse aspects of topology and measure theory normally encountered. The reader is assumed to only have knowledge of basic real analysis, complex analysis, and algebra. The latter part of the text provides an outstanding treatment of Banach space theory and operator theory, covering topics not usually found together in other books on functional analysis. Written in a clear, concise manner, and equipped with a rich array of interesting and important exercises and examples, this book can be read for an independent study, used as a text for a two-semester course, or as a self-contained reference for the researcher.

Physical Sciences, Grade 10 Study & Master Physical Sciences Grade 10 has been especially developed by an experienced author team for the Curriculum and Assessment Policy Statement (CAPS). This new and easy-to-use course helps learners to master essential content and skills in Physical Sciences. The innovative Teacher's File includes: * guidance on the teaching of each lesson for the year * answers to all activities in the Learner's Book * assessment guidelines * photocopiable templates and resources for the teacher

Study and Master Life Sciences Grade 11 CAPS Study Guide The Original Verses of Apollodorus' >Chronica< Edition, Translation and Commentary on the First Iambic Didactic Poem in the Light of New Evidence Walter de Gruyter GmbH & Co KG The Chronica by the grammarian Apollodorus of Athens (2nd century BC) was an exemplary chronographical reference work. It was composed in trimeters and represents the first iambic didactic poem ever. So far, the surviving original verses have hardly been appreciated and analyzed in their own terms. Therefore a comprehensive collection of these verses is provided, including an introduction, edition, translation and commentary. Most verses stem from Philodemus' Index Academicorum, a Herculanean papyrus. Through the use of new imaging techniques and cutting-edge editing methods, enormous textual progress has been made. Many verses have been newly restored or significantly improved. They often reveal new hard facts about Academic philosophers and also bear some relevance for the dating of the Chronica and for Apollodorus' biography. In short, this collection guarantees easy access to the genuine verses of the Chronica, as originally drafted by Apollodorus, and thereby facilitates a contextualization or comparison with other (iambic) didactic poems on a dramatically changed textual basis. The scope of the book fulfills various scholarly desiderata from a historical, philosophical, philological and literary-critical standpoint.

Sustainable Development Goals Harnessing Business to Achieve the SDGs through Finance, Technology and Law Reform John Wiley & Sons Achieving the Sustainable Development Goals through Finance, Technology and Law Reform Achieving the SDGs requires a fundamental rethink from businesses and governments across the globe. To make the ambitious goals a reality, trillions of dollars need to be harnessed to mobilise finance and accelerate progress towards the SDGs. Bringing together leaders from the World Bank, the financial and business sectors, the startup community and academia, this important, topically relevant volume explains what the SDGs are, how they came about and how they can be accelerated. Real-world case studies and authoritative insights address how to direct investment of existing financial resources and re-align the global financial system to reflect the SDGs. In depth chapters discuss how financial institutions, such as UBS Wealth Management, Manulife Asset Management and Moody's Rating Agency are supporting the SDGs. The opportunities arising from Blockchain, Big Data, Digital Identity and cutting-edge FinTech and RegTech applications are explored, whilst the relevance of sustainable and transparent global supply chains is underscored. Significant attention is paid to law reform which can accelerate progress of the SDGs through SME Financing, Crowdfunding, Peer-to-Peer Lending and tax restructuring. To achieve the 'World We Want', much needs to be done. The recommendations contained within this book are critical for supporting a fundamental shift in thinking from business and governments around the world, and for building a more just and prosperous future for all.

Measurements of Grammaticalization Developing a Quantitative Index for the Study of Grammatical Change Walter de Gruyter GmbH & Co KG Grammaticalization has often been described as a gradual phenomenon. While many studies have discussed the quantitative aspects of grammaticalization, there has been little to no work that has tried to propose a way of measuring degrees of grammaticalization. This book addresses this gap by proposing a corpus-based approach to the measurement of grammaticalization, using binary logistic regression modelling. Such an approach has theoretical benefits as it can provide empirical evidence for the gradience and gradualness of grammaticalization. It can help substantiate observations that have been done on the basis of case studies so far, such as the hypothesized unidirectionality of grammaticalization. In addition, as the methods proposed in this book rely on corpus-based data only, it offers a way of comparing grammaticalization across multiple languages, which is currently a challenging endeavour. What this book hopes to achieve is to start a discussion on the measurement of grammaticalization. To draw a parallel, the field of morphological productivity has greatly benefited from the discussions (and disputes) regarding how its object of study should be measured, and I believe that so will the field of grammaticalization.

Christians in Conversation A Guide to Late Antique Dialogues in Greek and Syriac Oxford University Press This book addresses a particular and little-known form of writing, the prose dialogue, during the Late Antique period, when Christian authors adopted and transformed the dialogue form to suit the new needs of religious debate. Connected to, but departing from, the dialogues of Classical Antiquity, these new forms staged encounters between Christians and pagans, Jews, Manichaeans, and "heretical" fellow Christians. At times fiction, at others records of, or scripts for, actual debates, the dialogues give us a glimpse of Late Antique rhetoric as it was practiced and tell us about the theological arguments underpinning religious differences. By offering the first comprehensive analysis of Christian dialogues in Greek and Syriac from the earliest examples to the end of the sixth century CE, the present volume shows that Christian authors saw the dialogue form as a suitable vehicle for argument and apologetic in the context of religious controversy and argues that dialogues were intended as effective tools of opinion formation in Late Antique society. Most Christian dialogues are little studied, and often in isolation, but they vividly evoke the religious debates of the time and they embody the cultural conventions and refinements that Late Antique men and women expected from such debates.

Christianity, Book-Burning and Censorship in Late Antiquity Studies in Text Transmission Walter de Gruyter GmbH & Co KG It is estimated that only a small fraction, less than 1 per cent, of ancient literature has survived to the present day. The role of Christian authorities in the active suppression and destruction of books in Late Antiquity has received surprisingly little sustained consideration by academics. In an approach that presents evidence for the role played by Christian institutions, writers and saints, this book analyses a broad range of literary and legal sources, some of which have hitherto been little studied. Paying special attention to the problem of which genres and book types were likely to be targeted, the author argues that in addition to heretical, magical, astrological and anti-Christian books, other less obviously subversive categories of literature were also vulnerable to destruction, censorship or suppression through prohibition of the copying of manuscripts. These include texts from materialistic philosophical traditions, texts which were to become the basis for modern philosophy and science. This book examines how Christian authorities, theologians and ideologues suppressed ancient texts and associated ideas at a time of fundamental transformation in the late classical world.

Samson Brook Catchment Area Water Source Protection Plan Waroona and Hamel Town Water Supply and Integrated Water Supply System Engineering Issues, Challenges and Opportunities for Development UNESCO This report reviews engineering's importance to human, economic, social and cultural development and in addressing the UN Millennium Development Goals. Engineering tends to be viewed as a national issue, but engineering knowledge, companies, conferences and journals, all demonstrate that it is as international as science. The report reviews the role of engineering in development, and covers issues including poverty reduction, sustainable development, climate change mitigation and adaptation. It presents the various fields of engineering around the world and is intended to identify issues and challenges facing engineering, promote better understanding of engineering and its role, and highlight ways of making engineering more attractive to young people, especially women.

--Publisher's description.

English Vocabulary Elements Oxford University Press This unique text draws on the tools of modern linguistics to help the student acquire an effective understanding of learned, specialized, and scientific vocabulary. English Vocabulary Elements (EVE) helps develop familiarity with over 350 Latin and Greek word elements in English, and shows how these roots are the building blocks within thousands of different words. Along the way the authors introduce and illustrate many of the fundamental concepts of linguistics. Offering a thorough approach to the expansion of vocabulary, EVE is an invaluable resource that provides students a deeper understanding of the language. This book will be useful to upper level high school students, undergraduates in English, Linguistics, and Classics departments, ESL students, and anyone interested in building vocabulary skills. This edition is refined and thoroughly updated. It includes updated cultural references, and the authors have revised and improved the pedagogy based on classroom experience. In particular they account for variations in pronunciation among students; clarify when historical details are important or peripheral; and improve the many examples and exercises that form the core of the book.

The Sourcebook for Teaching Science, Grades 6-12 Strategies, Activities, and Instructional Resources John Wiley & Sons A resource for middle and high school teachers offers activities, lesson plans, experiments, demonstrations, and games for teaching physics, chemistry, biology, and the earth and space sciences.

History of Philosophy and the Reflective Society Walter de Gruyter GmbH & Co KG This book is about innovation, reflection and inclusion. Cultural innovation is something real that tops up social and technological innovation by providing the reflective society with spaces of exchange in which citizens engage in the process of sharing their experiences while appropriating common goods content. We are talking of public spaces such as universities, academies, libraries, museums, science-centres, but also of any place in which co-creation activities may occur. The argument starts with the need for new narratives in the history of philosophy, which can be established through co-creation, the motor of cultural innovation. The result is redefining the history of philosophy in terms of a dialogical civilization by ensuring continuous translations, individual processes of reflection and collective processes of inclusion. Readers will grasp the effectiveness of the history of philosophy in societies that are inclusive, innovative and reflective.

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.

The Care of Books Good Press "The Care of Books" by John Willis Clark. Published by Good Press. Good Press publishes a wide range of titles that encompasses every genre. From well-known classics & literary fiction and non-fiction to forgotten--or yet undiscovered gems--of world literature, we issue the books that need to be read. Each Good Press edition has been meticulously edited and formatted to boost readability for all e-readers and devices. Our goal is to produce eBooks that are user-friendly and accessible to everyone in a high-quality digital format.

Camera Lucida Reflections on Photography Hill and Wang A graceful, contemplative volume, Camera Lucida was first published in 1979. Commenting on artists such as Avedon, Clifford, Mapplethorpe, and Nadar, Roland Barthes presents photography as being outside the codes of language or culture, acting on the body as much as on the mind, and rendering death and loss more acutely than any other medium. This groundbreaking approach established Camera Lucida as one of the most important books of theory on the subject, along with Susan Sontag's On Photography.

The New Science of Strong Materials Or Why You Don't Fall Through the Floor Princeton University Press This new edition of J. E.

Gordon's classic introduction to the properties of materials used in engineering answers some fundamental and fascinating questions about how the material world around us functions. In particular, Gordon focuses on so-called strong materials, such as metals, wood, ceramics, glass, and bone. For each material in question, Gordon explains the unique physical and chemical basis for its inherent structural qualities in irrepressibly fresh and simple terms. He also shows how an in-depth understanding of these materials' intrinsic strengths (and weaknesses) guides our engineering choices, allowing us to build the structures that support our modern society. Philip Ball's new introduction describes Gordon's career and the impact of his innovations in materials research, while also discussing how the field has evolved since Gordon wrote this enduring example of first-rate scientific communication. **Individual Criminal Responsibility in International Law** Oxford University Press Atrocities such as genocide or crimes against humanity are usually committed by a large number of perpetrators. Moreover, those who masterminded the crimes may not have actively participated. This book sets out how these people can be held responsible for their crimes by international criminal tribunals. **Marine Anthropogenic Litter** Springer This book describes how man-made litter, primarily plastic, has spread into the remotest parts of the oceans and covers all aspects of this pollution problem from the impacts on wildlife and human health to socio-economic and political issues. Marine litter is a prime threat to marine wildlife, habitats and food webs worldwide. The book illustrates how advanced technologies from deep-sea research, microbiology and mathematic modelling as well as classic beach litter counts by volunteers contributed to the broad awareness of marine litter as a problem of global significance. The authors summarise more than five decades of marine litter research, which receives growing attention after the recent discovery of great oceanic garbage patches and the ubiquity of microscopic plastic particles in marine organisms and habitats. In 16 chapters, authors from all over the world have created a universal view on the diverse field of marine litter pollution, the biological impacts, dedicated research activities, and the various national and international legislative efforts to combat this environmental problem. They recommend future research directions necessary for a comprehensive understanding of this environmental issue and the development of efficient management strategies. This book addresses scientists, and it provides a solid knowledge base for policy makers, NGOs, and the broader public. **Global Nomads Techno and New Age as Transnational Countercultures in Ibiza and Goa** Routledge Global Nomads provides a unique introduction to the globalization of countercultures, a topic largely unknown in and outside academia. Anthony D'Andrea examines the social life of mobile expatriates who live within a global circuit of countercultural practice in paradoxical paradises. Based on nomadic fieldwork across Spain and India, the study analyzes how and why these post-metropolitan subjects reject the homeland in order to shape an alternative lifestyle. They become artists, therapists, exotic traders and bohemian workers seeking to integrate labor, mobility and spirituality within a cosmopolitan culture of expressive individualism. These countercultural formations, however, unfold under neo-liberal regimes that appropriate utopian spaces, practices and imaginaries as commodities for tourism, entertainment and media consumption. In order to understand the paradoxical globalization of countercultures, Global Nomads develops a dialogue between global and critical studies by introducing the concept of 'neo-nomadism' which seeks to overcome some of the shortcomings in studies of globalization. This book is an essential aide for undergraduate, postgraduate and research students of Sociology, Anthropology of Globalization, Cultural Studies and Tourism Studies. **History of Concepts Comparative Perspectives** Amsterdam University Press Hoewel enorm invloedrijk in Duitstalig Europa, heeft de conceptuele geschiedschrijving (Begriffsgeschichte) tot nu toe weinig aandacht in het Engels gekregen. Dit genre van intellectuele geschiedschrijving verschilt van zowel de Franse geschiedschrijving van mentalités als de Engelstalige geschiedschrijving van verhandelingen door het concept. Aan de hand van praktische voorbeelden in de geschiedschrijving wordt deze vorm toegelicht door Bram Kempers, Eddy de Jongh en Rolf Reichardt. **The Topkapi Scroll Geometry and Ornament in Islamic Architecture** Getty Publications Since precious few architectural drawings and no theoretical treatises on architecture remain from the premodern Islamic world, the Timurid pattern scroll in the collection of the Topkapi Palace Museum Library is an exceedingly rich and valuable source of information. In the course of her in-depth analysis of this scroll dating from the late fifteenth or early sixteenth century, Gülru Necipoğlu throws new light on the conceptualization, recording, and transmission of architectural design in the Islamic world between the tenth and sixteenth centuries. Her text has particularly far-reaching implications for recent discussions on vision, subjectivity, and the semiotics of abstract representation. She also compares the Islamic understanding of geometry with that found in medieval Western art, making this book particularly valuable for all historians and critics of architecture. The scroll, with its 114 individual geometric patterns for wall surfaces and vaulting, is reproduced entirely in color in this elegant, large-format volume. An extensive catalogue includes illustrations showing the underlying geometries (in the form of incised "dead" drawings) from which the individual patterns are generated. An essay by Mohammad al-Asad discusses the geometry of the muqarnas and demonstrates by means of CAD drawings how one of the scroll's patterns could be used to design a three-dimensional vault. **Study and Master Physical Science Grade 11 Teacher's Guide** Study & Master Physical Sciences Grade 11 takes a fresh and innovative look at the world around us and links science to our everyday lives. All case studies and information on specialised fields, companies and institutions were personally researched by the author and verified by experts in those fields, companies and institutions. **Provincial Families of the Renaissance Private and Public Life in the Veneto** Johns Hopkins University Press Distinguished by its clarity and eloquence, this is a superior work of historical writing and analysis that merits comparison with the best monographs on the social history of Renaissance Italy.—Gene Brucker, University of California at Berkeley **The Rights of War and Peace Including the Law of Nature and of Nations The Individual and Society in the Middle Ages** JHU Press However, Ullmann points to feudalism as the single most important medieval institution that laid the groundwork for the emergence of the modern citizen. **Interrogations of Japanese Officials Knowledge, Policy and Practice in Education and the Struggle for Social Justice: Essays Inspired by the Work of Geoff Whitty** UCL Press For 50 years, educator and sociologist Geoff Whitty resolutely pursued social justice through education, first as a classroom teacher and ultimately as the Director of the Institute of Education in London. The essays in this volume - written by some of the most influential authors in the sociology of education and critical policy studies - take Whitty's work as the starting point from which to examine key contemporary issues in education and the challenges to social justice that they present. Set within three themes of knowledge, policy and practice in education, the chapters tackle the issues of defining and accessing 'legitimate' knowledge, the changing nature of education policy under neoliberalism and globalization, and the reshaping of teacher workplaces and professionalism - as well as attempts to realize more emancipatory practice. Whitty's scholarship on what constitutes quality and impact in educational research is also explored. Together, the essays open a window on a life in the sociology of education, the scholarly community of which it was part, and the facets of education policy, practice and research that they continue to reveal and challenge in pursuit of social justice. They celebrate Whitty as one of the foremost sociologists of education of his generation, but also as a friend and colleague. And they highlight the continued relevance of his contribution to those seeking to promote fairer and more inclusive education systems. **Fine Books Library of Alexandria New Wave Spelling: EU Citizenship and Federalism** Cambridge University Press Kochenov's definitive collection examines the under-utilised potential of EU citizenship, proposing and defending its position as a systemic element of EU law endowed with foundational importance. Leading experts in EU constitutional law scrutinise the internal dynamics in the triad of EU citizenship, citizenship rights and the resulting vertical delimitation of powers in Europe, analysing the far-reaching constitutional implications. Linking the constitutional question of federalism and citizenship, the volume establishes an innovative new framework where these rights become agents and rationales of European integration and legal change, located beyond the context of the internal market and free movement. It maps the role of citizenship in this shifting landscape, outlining key options for a Europe of the future. **Physical Sciences, Grade 12 Study & Master Physical Sciences Grade 12** has been especially developed by an experienced author team for the Curriculum and Assessment Policy Statement (CAPS). This new and easy-to-use course helps learners to master essential content and skills in Physical Sciences. **Progress and Challenges of Nonfinancial Defined Contribution Pension Schemes Volume 2. Addressing Gender, Administration, and Communication** World Bank Publications The individual account-based but unfunded approach to mandated public pension systems is a reform benchmark for all pension schemes, promising fair and financially sustainable benefits. Nonfinancial defined contribution (NDC) pension schemes originated in Italy and Sweden in the 1990s, were then adopted by Latvia, Norway, and Poland, envisaged but not implemented in various other countries, such as Egypt and Russia, and remain under discussion in many nations around the world, such as China and France. In its complete form, the approach also comprises budget-financed basic income provisions and mandated or voluntary funded provisions. Volume 1 of this book offers an assessment of countries that were early adopters before addressing key aspects of policy implementation and design review, including how best to combine basic income provisions with an NDC scheme, how to deal with heterogeneity in longevity, and how to adjust NDC scheme design and labor market policies to deliver on reform expectations. Volume 2 addresses a second set of issues, including the gender pension gap and what family policies can do about it within the NDC framework, labor market issues and administrative challenges of NDC schemes and how countries are coping, the role of communication in these pension schemes, the complexity of cross-border pension taxation, and much more. **Progress and Challenges of Nonfinancial Defined Contribution Pension Schemes** is the third in a series of books analyzing the progress, challenges, and adjustment options of this reform revolution for mandated public pension systems. 'Pension reform is a major issue in many countries. The development of the nonfinancial defined contribution pension plan in the 90's was a major advance in pension design. By reporting actual country experiences and exploring properties of plan designs, this latest collection of essays is a valuable contribution, well worth reading.' Peter Diamond Professor at Massachusetts Institute of Technology; 2010 winner of the Nobel Memorial Prize in Economic Sciences 'A highly stimulating publication for policy makers and researchers alike. It pushes the analytical frontier for policy challenges that all public pension schemes are confronted with but that the nonfinancial defined contribution approach promises to handle best.' Noriyuki Takayama President, Research Institute for Policies on Pension and Aging, Tokyo, and professor emeritus, Hitotsubashi University, Tokyo 'In a changing world where pensions are more than ever linked to labor markets, communication tools, and flexibility considerations, this anthology provides a unique up-to-date analysis of nonfinancial defined contribution pension schemes. By mixing international experiences and theoretical studies, it demonstrates the high adaptability of such pension schemes to changing social challenges.' Pierre Devolder Professor of Finance and Actuarial Sciences, Catholic University of Louvain, Belgium **United Nations Framework Convention on Climate Change Handbook** This handbook provides an overview of the United Nations Framework Convention on Climate Change as of August 2006. It focuses on the institutional framework of the Convention and the actions taken by the Conference of the Parties to the Convention. **Access to Knowledge in the Age of Intellectual Property** Zone Books (NY) A movement emerges to challenge the tightening of intellectual property law around the world. **How Nonviolence Protects the State** Detritus Books Since the civil rights era, the doctrine of nonviolence has enjoyed near-universal acceptance by the US Left. Today protest is often shaped by cooperation with state authorities—even organizers of rallies against police brutality apply for police permits, and anti-imperialists usually stop short of supporting self-defense and armed resistance. **How Nonviolence Protects the State** challenges the belief that nonviolence is the only way to fight for a better world. In a call bound to stir controversy and lively debate, Peter Gelderloos invites activists to consider diverse tactics, passionately arguing that exclusive nonviolence often acts to reinforce the same structures of oppression that activists seek to overthrow. **Good Agricultural Practices for Greenhouse Vegetable Crops Principles for Mediterranean Climate Areas** Food and Agriculture Organization This publication capitalizes on the experience of scientists from the North Africa and Near East countries, in collaboration with experts from around the world, specialized in the different aspects of greenhouse crop production. It provides a comprehensive description and assessment of the greenhouse production practices in use in Mediterranean climate areas that have helped diversify vegetable production and increase productivity. The publication is also meant to be used as a reference and tool for trainers and growers as well as other actors in the greenhouse vegetables value chain in this region. **Race, Maternity, and the Politics of Birth Control in South Africa, 1910-39** Springer Using original primary sources, this book uncovers and analyzes for the first time the politics of fertility and the battle over birth control in South Africa from 1910 (the year the country was formed) to 1945. It examines the nature and achievements of the South African birth-control movement in pre-apartheid South Africa, including the establishment of voluntary birth-control organizations in urban centres, the national birth-control coalition, and the clinic practices of the country's first birth-control clinics. The book spotlights important actors such as the birth controllers themselves, the women of all 'races' who utilized the clinics' services and the Department of Public Health, placing these within an international as well as national context. **Wonders and the Order of Nature, 1150-1750** A rich exploration of how European naturalists used wonder and wonders (oddities and marvels) to envision and explain the natural world. **How We Became Posthuman Virtual Bodies in Cybernetics, Literature, and Informatics** University of Chicago Press In this age of DNA computers and artificial intelligence, information is becoming disembodied even as the "bodies" that once carried it vanish into virtuality. While some marvel at these changes, envisioning consciousness downloaded into a computer or humans "beamed" Star Trek-style, others view them with horror, seeing monsters brooding in the machines. In *How We Became Posthuman*, N. Katherine Hayles separates hype from fact, investigating the fate of embodiment in an information age. Hayles relates three interwoven stories: how information lost its body, that is, how it came to be conceptualized as an entity separate from the material forms that carry it; the cultural and technological construction of the cyborg; and the dismantling of the liberal humanist "subject" in cybernetic discourse, along with the emergence of the "posthuman." Ranging widely across the history of technology, cultural studies, and literary criticism, Hayles shows what had to be erased, forgotten, and elided to conceive of information as a disembodied entity. Thus she moves from the post-World War II Macy Conferences on cybernetics to the 1952 novel *Limbo* by cybernetics aficionado Bernard Wolfe; from the concept of self-making to Philip K. Dick's literary explorations of hallucination and reality; and from artificial life to postmodern novels exploring the implications of seeing humans as cybernetic systems. Although becoming posthuman can be nightmarish, Hayles shows how it can also be liberating. From the birth of cybernetics to artificial life, *How We Became Posthuman* provides an indispensable account of how we arrived in our virtual age, and of where we might go from here.