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KEY=JAN - HANA GLOVER

REGENTS EXAMS AND ANSWERS: EARTH SCIENCE--PHYSICAL SETTING 2020

Barrons Educational Series *Barron's Regents Exams and Answers: Earth Science 2020 provides essential review for students taking the Earth Science Regents, including actual exams administered for the course, thorough answer explanations, and comprehensive review of all topics. This edition features: Five actual, administered Regents exams so students have the practice they need to prepare for the test Review questions grouped by topic, to help refresh skills learned in class Thorough explanations for all answers Score analysis charts to help identify strengths and weaknesses Study tips and test-taking strategies Looking for additional practice and review? Check out Barron's Earth Science Power Pack 2020 two-volume set, which includes Let's Review Regents: Earth Science 2020 in addition to the Regents Exams and Answers: Earth Science book.*

REGENTS EXAMS AND ANSWERS: EARTH SCIENCE--PHYSICAL SETTING REVISED EDITION

Barrons Educational Series *Barron's Regents Exams and Answers: Earth Science--Physical Setting provides essential review for students taking the Earth Science Regents, including actual exams administered for the course, thorough answer explanations, and comprehensive review of all topics. All Regents test dates for 2020 have been canceled. Currently the State Education Department of New York has released tentative test dates for the 2021 Regents. The dates are set for January 26-29, 2021, June 15-25, 2021, and August 12-13th. This edition features: Five actual, administered Regents exams so students have the practice they need to prepare for the test Review questions grouped by topic, to help refresh skills learned in class Thorough explanations for all answers Score analysis charts to help identify*

strengths and weaknesses Study tips and test-taking strategies Looking for additional practice and review? Check out Barron's Earth Science--Physical Setting Power Pack two-volume set, which includes Let's Review Regents: Earth Science--Physical Setting in addition to the Regents Exams and Answers: Earth Science--Physical Setting book.

REGENTS EARTH SCIENCE--PHYSICAL SETTING POWER PACK REVISED EDITION

Simon and Schuster *Barron's two-book Regents Earth Science--Physical Setting Power Pack provides comprehensive review, actual administered exams, and practice questions to help students prepare for the Physical Setting/Earth Science Regents exam. This edition includes: Three actual Regents exams online Regents Exams and Answers: Earth Science Five actual, administered Regents exams so students have the practice they need to prepare for the test Review questions grouped by topic, to help refresh skills learned in class Thorough explanations for all answers Score analysis charts to help identify strengths and weaknesses Study tips and test-taking strategies Let's Review Regents: Earth Science Extensive review of all topics on the test Extra practice questions with answers One actual Regents exam*

TEACHING HIGH SCHOOL SCIENCE THROUGH INQUIRY AND ARGUMENTATION

Corwin Press *Teaching High School Science Through Inquiry is one of the few print resources devoted exclusively to developing and enhancing teachers' capacity to teach through scientific inquiry in grades 9-12. The second edition has been revised to include: -More emphasis on developing the prerequisite attitude and mind-set for becoming an inquiry-based teacher -Increased focus on scientific argumentation - Updated list of recommended resources The new edition of this best-seller ensures teachers have an up-to-date resource and solid guidance in integrating scientific argumentation into their lessons, and balancing the theory and practice of implementing an inquiry-based science classroom.*

STRENGTHENING FORENSIC SCIENCE IN THE UNITED STATES

A PATH FORWARD

National Academies Press *Scores of talented and dedicated people serve the forensic science community, performing vitally important work. However, they are often constrained by lack of adequate resources, sound policies, and national support. It is clear that change and advancements, both systematic and scientific, are needed in a number of forensic science disciplines to ensure the reliability of work, establish enforceable standards, and promote best practices with consistent application. Strengthening Forensic Science in the United States: A Path Forward provides a detailed plan for addressing these needs and suggests the creation of a new government entity, the National Institute of Forensic Science, to establish and enforce standards within the forensic science community. The benefits of improving and regulating the forensic science disciplines are clear: assisting law enforcement*

officials, enhancing homeland security, and reducing the risk of wrongful conviction and exoneration. *Strengthening Forensic Science in the United States* gives a full account of what is needed to advance the forensic science disciplines, including upgrading of systems and organizational structures, better training, widespread adoption of uniform and enforceable best practices, and mandatory certification and accreditation programs. While this book provides an essential call-to-action for congress and policy makers, it also serves as a vital tool for law enforcement agencies, criminal prosecutors and attorneys, and forensic science educators.

THE IMMORTAL LIFE OF HENRIETTA LACKS

Pan Macmillan Her name was Henrietta Lacks, but scientists know her as HeLa. She was a poor black tobacco farmer who worked the same land as her slave ancestors yet her cells - taken without her knowledge - become one of the most important tools in modern medicine.

REGENTS EXAMS AND ANSWERS: EARTH SCIENCE--PHYSICAL SETTING REVISED EDITION

Simon and Schuster Barron's *Regents Exams and Answers: Earth Science* provides essential review for students taking the Earth Science Regents, including actual exams administered for the course, thorough answer explanations, and comprehensive review of all topics. This edition features: Five actual, administered Regents exams so students have the practice they need to prepare for the test Review questions grouped by topic, to help refresh skills learned in class Thorough explanations for all answers Score analysis charts to help identify strengths and weaknesses Study tips and test-taking strategies Looking for additional practice and review? Check out Barron's *Earth Science Power Pack* two-volume set, which includes *Let's Review Regents: Earth Science* in addition to the *Regents Exams and Answers: Earth Science* book.

THE ROLE OF PUBLIC POLICY IN K-12 SCIENCE EDUCATION

IAP The goal of this volume of *Research in Science Education* is to examine the relationship between science education policy and practice and the special role that science education researchers play in influencing policy. It has been suggested that the science education research community is isolated from the political process, pays little attention to policy matters, and has little influence on policy. But to influence policy, it is important to understand how policy is made and how it is implemented. This volume sheds light on the intersection between policy and practice through both theoretical discussions and practical examples. This book was written primarily about science education policy development in the context of the highly decentralized educational system of the United States. But, because policy development is fundamentally a social activity involving knowledge, values, and personal and community interests, there are similarities in how education policy gets enacted and implemented around the world. This volume is meant to be useful to science education researchers and to practitioners such as teachers and administrators because it provides information about which aspects of the science

education enterprise are affected by state, local, and national policies. It also provides helpful information for researchers and practitioners who wonder how they might influence policy. In particular, it points out how the values of people who are affected by policy initiatives are critical to the implementation of those policies.

SEVEN DAYS THAT DIVIDE THE WORLD

THE BEGINNING ACCORDING TO GENESIS AND SCIENCE

Zondervan *What did the writer of Genesis mean by “the first day”? Is it a literal week or a series of time periods? If I believe that the earth is 4.5 billion years old, am I denying the authority of Scripture? In response to the continuing controversy over the interpretation of the creation narrative in Genesis, John Lennox proposes a succinct method of reading and interpreting the first chapters of Genesis without discounting either science or Scripture. With examples from history, a brief but thorough exploration of the major interpretations, and a look into the particular significance of the creation of human beings, Lennox suggests that Christians can heed modern scientific knowledge while staying faithful to the biblical narrative. He moves beyond a simple response to the controversy, insisting that Genesis teaches us far more about the God of Jesus Christ and about God’s intention for creation than it does about the age of the earth. With this book, Lennox offers a careful yet accessible introduction to a scientifically-savvy, theologically-astute, and Scripturally faithful interpretation of Genesis.*

SUPER VOLCANOES: WHAT THEY REVEAL ABOUT EARTH AND THE WORLDS BEYOND

W. W. Norton & Company *An exhilarating, time-traveling journey to the solar system’s strangest and most awe-inspiring volcanoes. Volcanoes are capable of acts of pyrotechnical prowess verging on magic: they spout black magma more fluid than water, create shimmering cities of glass at the bottom of the ocean and frozen lakes of lava on the moon, and can even tip entire planets over. Between lava that melts and re-forms the landscape, and noxious volcanic gases that poison the atmosphere, volcanoes have threatened life on Earth countless times in our planet’s history. Yet despite their reputation for destruction, volcanoes are inseparable from the creation of our planet. A lively and utterly fascinating guide to these geologic wonders, *Super Volcanoes* revels in the incomparable power of volcanic eruptions past and present, Earthbound and otherwise—and recounts the daring and sometimes death-defying careers of the scientists who study them. Science journalist and volcanologist Robin George Andrews explores how these eruptions reveal secrets about the worlds to which they belong, describing the stunning ways in which volcanoes can sculpt the sea, land, and sky, and even influence the machinery that makes or breaks the existence of life. Walking us through the mechanics of some of the most infamous eruptions on Earth, Andrews outlines what we know about how volcanoes form, erupt, and evolve, as well as what scientists are still trying to puzzle out. How can we better predict when a deadly eruption will occur—and protect communities in the danger zone? Is Earth’s system of plate tectonics, unique in the solar system, the*

best way to forge a planet that supports life? And if life can survive and even thrive in Earth's extreme volcanic environments—superhot, superacidic, and supersaline surroundings previously thought to be completely inhospitable—where else in the universe might we find it? Traveling from Hawai'i, Yellowstone, Tanzania, and the ocean floor to the moon, Venus, and Mars, Andrews illuminates the cutting-edge discoveries and lingering scientific mysteries surrounding these phenomenal forces of nature.

REALITY IS BROKEN

WHY GAMES MAKE US BETTER AND HOW THEY CAN CHANGE THE WORLD

Random House *We are living in a world full of games. More than 31 million people in the UK are gamers. The average young person will spend 10,000 hours gaming by the age of twenty-one. The future belongs to those who play games. In this groundbreaking book, visionary game designer Jane McGonigal challenges conventional thinking and shows that games - far from being simply escapist entertainment - have the potential not only to radically improve our own lives but to change the world.*

THE OXFORD HANDBOOK OF INTERNATIONAL RELATIONS

Oxford University Press *This Oxford Handbook assembles the world's leading scholars in International Relations to present diverse perspectives about purposes, questions, theories, and methods. It will become the first point of reference for scholars and students interested in these key issues.*

ACTIVISM AND THE FOSSIL FUEL INDUSTRY

Routledge *In less than a decade, activism against the fossil fuel industry has exploded across the globe. While environmentalists used to focus on legislative goals, such as carbon emissions trading or renewable energy policies, today the most prominent activists directly attack the fossil fuel industry. This timely book offers a comprehensive evaluation of different types of activism, the success and impact of campaigns and activities, and suggestions as to ways forward. This book is the first systematic treatment of the anti-fossil fuel movement in the United States. An accessible and readable text, it is an essential reference for scholars, policymakers, activists, and citizens interested in climate change, fossil fuels, and environmental sustainability. The entire book or chapters from it can be used as required or supplementary material in various courses at the undergraduate and graduate level. As the book is not technically challenging but contains a comprehensive review of climate change, fossil fuels, and the literature on environmental activism, it can be used as an accessible introduction to the anti-fossil fuel campaign across disciplines.*

OCCUPATIONAL OUTLOOK HANDBOOK

PRACTICAL ETHICS

Cambridge University Press *For thirty years, Peter Singer's Practical Ethics has been the classic introduction to applied ethics. For this third edition, the author has revised and updated all the chapters and added a new chapter addressing climate change, one of the most important ethical challenges of our generation. Some of the questions discussed in this book concern our daily lives. Is it ethical to buy luxuries when others do not have enough to eat? Should we buy meat from intensively reared animals? Am I doing something wrong if my carbon footprint is above the global average? Other questions confront us as concerned citizens: equality and discrimination on the grounds of race or sex; abortion, the use of embryos for research and euthanasia; political violence and terrorism; and the preservation of our planet's environment. This book's lucid style and provocative arguments make it an ideal text for university courses and for anyone willing to think about how she or he ought to live.*

THE EARTH SCIENCES

THE WRITERS DIRECTORY

THE PROTESTANT ETHIC AND THE SPIRIT OF CAPITALISM

Courier Corporation *Author's best-known and most controversial study relates the rise of a capitalist economy to the Puritan belief that hard work and good deeds were outward signs of faith and salvation.*

BOOKS IN PRINT SUPPLEMENT

THE ENDS OF THE WORLD

VOLCANIC APOCALYPSES, LETHAL OCEANS AND OUR QUEST TO UNDERSTAND EARTH'S PAST MASS EXTINCTIONS

Simon and Schuster *Apocalypse, now? Death by fire, ice, poison gas, suffocation, asteroid. At five moments through history life on Earth was dragged to the very edge of extinction. Now, armed with revolutionary technology, scientists are uncovering clues about what caused these catastrophes. Deep-diving into past worlds of dragonflies the size of seagulls and fishes with guillotines for mouths, they explore how – against all the odds – life survived and what these ominous chapters can tell us about our future.*

WHY STUDY HISTORY?

London Publishing Partnership *Considering studying history at university? Wondering whether a history degree will get you a good job, and what you might earn? Want to know what it's actually like to study history at degree level? This book tells you what you need to know. Studying any subject at degree level is an investment in the future that involves significant cost. Now more than ever, students and their parents need to weigh up the potential benefits of university courses.*

That's where the Why Study series comes in. This series of books, aimed at students, parents and teachers, explains in practical terms the range and scope of an academic subject at university level and where it can lead in terms of careers or further study. Each book sets out to enthuse the reader about its subject and answer the crucial questions that a college prospectus does not.

PAINLESS EARTH SCIENCE

Simon and Schuster *Learning at home is now the new normal. Need a quick and painless refresher? Barron's Painless books make learning easier while you balance home and school. Titles in Barron's extensive Painless Series cover a wide range of subjects as they are taught on middle school and high school levels. Perfect for supporting state standards, these books are written for students who find the subjects unusually difficult and confusing--or in many cases, just plain boring, and may need a little extra help. Barron's Painless Series authors' main goal is to clear up students' confusion and perk up their interest by emphasizing the intriguing and often exciting ways in which they can put each subject to practical use. Most of these books take a light-hearted approach to their subjects, often employing humor, and always presenting fun-learning exercises that include puzzles, games, and challenging "Brain Tickler" problems to solve. This title describes the exciting revolution in our understanding of Earth's processes and changes, focusing on movement of tectonic plates, earthquakes, volcanoes, and much more.*

LEVIATHAN

Strelbytsky Multimedia Publishing *Leviathan or The Matter, Forme and Power of a Common-Wealth Ecclesiastical and Civil is a book written by an English materialist philosopher Thomas Hobbes about problems of the state existence and development. Leviathan is a name of a Bible monster, a symbol of nature powers that belittles a man. Hobbes uses this character to describe a powerful state ("God of the death"). He starts with a postulate about a natural human state ("the war of all against all") and develops the idea "man is a wolf to a man". When people stay for a long time in the position of an inevitable extermination they give a part of their natural rights, for the sake of their lives and general peace, according to an unspoken agreement to someone who is obliged to maintain a free usage of the rest of their rights - to the state. The state, a union of people, where the will of a single one (the state) is compulsory for everybody, has a task to regulate the relations between all the people. The book was banned several times in England and Russia.*

DREAMS THAT MATTER

EGYPTIAN LANDSCAPES OF THE IMAGINATION

Univ of California Press *Based on the author's dissertation (Columbia University).*

WRITTEN IN STONE

A GEOLOGICAL AND NATURAL HISTORY OF THE NORTHEASTERN UNITED STATES

Explains the geological changes that have shaped the northeastern United States from New Jersey to Maine and from the Adirondacks east to Cape Cod

STEPS TO AN ECOLOGY OF MIND

COLLECTED ESSAYS IN ANTHROPOLOGY, PSYCHIATRY, EVOLUTION, AND EPISTEMOLOGY

University of Chicago Press *Gregory Bateson was a philosopher, anthropologist, photographer, naturalist, and poet, as well as the husband and collaborator of Margaret Mead. This classic anthology of his major work includes a new Foreword by his daughter, Mary Katherine Bateson. 5 line drawings.*

UNDERSTANDING SECOND LANGUAGE ACQUISITION

Routledge *Whether we grow up with one, two, or several languages during our early years of life, many of us will learn a second, foreign, or heritage language in later years. The field of Second language acquisition (SLA, for short) investigates the human capacity to learn additional languages in late childhood, adolescence, or adulthood, after the first language --in the case of monolinguals-- or languages --in the case of bilinguals-- have already been acquired. Understanding Second Language Acquisition offers a wide-encompassing survey of this burgeoning field, its accumulated findings and proposed theories, its developed research paradigms, and its pending questions for the future. The book zooms in and out of universal, individual, and social forces, in each case evaluating the research findings that have been generated across diverse naturalistic and formal contexts for second language acquisition. It assumes no background in SLA and provides helpful chapter-by-chapter summaries and suggestions for further reading. Ideal as a textbook for students of applied linguistics, foreign language education, TESOL, and education, it is also recommended for students of linguistics, developmental psycholinguistics, psychology, and cognitive science. Supporting resources for tutors are available free at www.routledge.com/ortega.*

DEAD RULES

Hachette UK *When Jana Webster dies in a tragic accident, she finds herself transferred to 'Dead School' in the afterlife, where students fall into distinct cliques. Risers (good kids who died innocently), Sliders (bad kids, who have one foot tied to earth) and Virgins (there are fewer than Jana would expect). Jana's boyfriend and love of her life - Michael - is still in the land of the living. Michael is Romeo to Jana's Juliet and as the story goes... even death can't keep them apart. Tired of waiting for him to kill himself over his grief of losing her, Jana decides she needs to do it for him. To kill Michael she'll need the help of a dangerous and sexy Slider - Mars Dreamcoate. But Mars has a goal of his own: he wants to save a life to atone for having taken one in a drunk-driving accident. And to complicate matters, he was*

trying to save Jana when she died and saw what was really going on when her 'accident' happened. Jana decides to do whatever it takes to get Michael back, and nothing - not even Mars' warm touch or the devastating secret he holds about her death - will stop her.

ANNUAL REPORT

BULLETIN

PROGRAM EARTH

ENVIRONMENTAL SENSING TECHNOLOGY AND THE MAKING OF A COMPUTATIONAL PLANET

U of Minnesota Press *Sensors are everywhere. Small, flexible, economical, and computationally powerful, they operate ubiquitously in environments. They compile massive amounts of data, including information about air, water, and climate. Never before has such a volume of environmental data been so broadly collected or so widely available. Grappling with the consequences of wiring our world, Program Earth examines how sensor technologies are programming our environments. As Jennifer Gabrys points out, sensors do not merely record information about an environment. Rather, they generate new environments and environmental relations. At the same time, they give a voice to the entities they monitor: to animals, plants, people, and inanimate objects. This book looks at the ways in which sensors converge with environments to map ecological processes, to track the migration of animals, to check pollutants, to facilitate citizen participation, and to program infrastructure. Through discussing particular instances where sensors are deployed for environmental study and citizen engagement across three areas of environmental sensing, from wild sensing to pollution sensing and urban sensing, Program Earth asks how sensor technologies specifically contribute to new environmental conditions. What are the implications for wiring up environments? How do sensor applications not only program environments, but also program the sorts of citizens and collectives we might become? Program Earth suggests that the sensor-based monitoring of Earth offers the prospect of making new environments not simply as an extension of the human but rather as new "technogeographies" that connect technology, nature, and people.*

GENOMICS, OBESITY AND THE STRUGGLE OVER RESPONSIBILITIES

Springer Science & Business Media *This volume addresses the overlapping aspects of the fields of genomics, obesity and (non-) medical ethics. It is unique in its examination of the implications of genomics for obesity from an ethical perspective. Genomics covers the sciences and technologies involved in the pathways that DNA takes until the organism is completely built and sustained: the range of genes (DNA), transcriptor factors, enhancers, promoters, RNA (copy of DNA), proteins, metabolism of cell, cellular interactions, organisms. Genomics offers a holistic approach, which, when applied to obesity, can have surprising and disturbing implications for the existing networks tackling this phenomenon. The ethical concerns and consideration*

presented are inspired by the interaction between the procedural perspective emphasizing the necessity of consultative and participatory organizational relationships in the new gray zones between medicine and food, and the substantive perspective that both cherishes individual autonomy and embeds it in socio-cultural contexts.

AN INTRODUCTION TO ASTRONOMY

RACE, MONOGAMY, AND OTHER LIES THEY TOLD YOU

BUSTING MYTHS ABOUT HUMAN NATURE

Univ of California Press *There are three major myths of human nature: humans are divided into biological races; humans are naturally aggressive; and men and women are truly different in behavior, desires, and wiring. In an engaging and wide-ranging narrative, Agustín Fuentes counters these pervasive and pernicious myths about human behavior. Tackling misconceptions about what race, aggression, and sex really mean for humans, Fuentes incorporates an accessible understanding of culture, genetics, and evolution, requiring us to dispose of notions of “nature or nurture.” Presenting scientific evidence from diverse fields—including anthropology, biology, and psychology—Fuentes devises a myth-busting toolkit to dismantle persistent fallacies about the validity of biological races, the innateness of aggression and violence, and the nature of monogamy and differences between the sexes. A final chapter plus an appendix provide a set of take-home points on how readers can myth-bust on their own. Accessible, compelling, and original, this book is a rich and nuanced account of how nature, culture, experience, and choice interact to influence human behavior.*

REGENTS EARTH SCIENCE--PHYSICAL SETTING POWER PACK 2020

Barrons Educational Series *Barron’s two-book Regents Earth Science Power Pack 2020 provides comprehensive review, actual administered exams, and practice questions to help students prepare for the Physical Setting/Earth Science Regents exam. This edition includes: Regents Exams and Answers: Earth Science--Physical Setting 2020 Five actual, administered Regents exams so students have the practice they need to prepare for the test Review questions grouped by topic, to help refresh skills learned in class Thorough explanations for all answers Score analysis charts to help identify strengths and weaknesses Study tips and test-taking strategies Let’s Review Regents: Earth Science--Physical Setting 2020 Comprehensive review of all topics on the test Extra practice questions with answers One actual, administered Regents Earth Science exam with answer key The Power Pack includes two volumes for a savings of \$4.99.*

THE LIGHTS THAT FAILED

EUROPEAN INTERNATIONAL HISTORY, 1919-1933

Oxford University Press *Challenging the common assumption that the Treaty of Versailles led to the opening of a second European war, this book provides an*

analysis of the attempts to reconstruct Europe during the 1920s. It examines the efforts that failed but also those which gave hope for future promise that are usually underestimated, if not ignored.

COLLECTIVE ACTION FOR SOCIAL CHANGE

AN INTRODUCTION TO COMMUNITY ORGANIZING

Springer Community organizers build solidarity and collective power in fractured communities. They help ordinary people turn their private pain into public action, releasing hidden capacities for leadership and strategy. In *Collective Action for Social Change*, Aaron Schutz and Marie G. Sandy draw on their extensive experience participating in community organizing activities and teaching courses on the subject to empower novices to think like an organizers.

LET'S REVIEW

BIOLOGY, THE LIVING ENVIRONMENT

Barrons Educational Series Incorporated Covers the New York State syllabus for biology and includes topic summaries, review questions and answers, and two practice exams.

DODGING EXTINCTION

POWER, FOOD, MONEY, AND THE FUTURE OF LIFE ON EARTH

Univ of California Press Paleobiologist Anthony D. Barnosky weaves together evidence from the deep past and the present to alert us to the looming Sixth Mass Extinction and to offer a practical, hopeful plan for avoiding it. Writing from the front lines of extinction research, Barnosky tells the overarching story of geologic and evolutionary history and how it informs the way humans inhabit, exploit, and impact Earth today. He presents compelling evidence that unless we rethink how we generate the power we use to run our global ecosystem, where we get our food, and how we make our money, we will trigger what would be the sixth great extinction on Earth, with dire consequences. Optimistic that we can change this ominous forecast if we act now, Barnosky provides clear-cut strategies to guide the planet away from global catastrophe. In many instances the necessary technology and know-how already exist and are being applied to crucial issues around human-caused climate change, feeding the world's growing population, and exploiting natural resources. Deeply informed yet accessibly written, *Dodging Extinction* is nothing short of a guidebook for saving the planet.

THE PANDEMIC CENTURY

ONE HUNDRED YEARS OF PANIC, HYSTERIA AND HUBRIS

Oxford University Press Like sharks, epidemic diseases always lurk just beneath the surface. This fast-paced history of their effect on mankind prompts questions about the limits of scientific knowledge, the dangers of medical hubris, and how we

should prepare as epidemics become ever more frequent. Ever since the 1918 Spanish influenza pandemic, scientists have dreamed of preventing catastrophic outbreaks of infectious disease. Yet, despite a century of medical progress, viral and bacterial disasters continue to take us by surprise, inciting panic and dominating news cycles. From the Spanish flu and the 1924 outbreak of pneumonic plague in Los Angeles to the 1930 'parrot fever' pandemic and the more recent SARS, Ebola, and Zika epidemics, the last 100 years have been marked by a succession of unanticipated pandemic alarms. Like man-eating sharks, predatory pathogens are always present in nature, waiting to strike; when one is seemingly vanquished, others appear in its place. These pandemics remind us of the limits of scientific knowledge, as well as the role that human behaviour and technologies play in the emergence and spread of microbial diseases.