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Book Review

# SCOURGE

The Once and Future  
Threat of Smallpox

JONATHAN B. TUCKER

# Scourge The Once And Future Threat Of Smallpox

**Margaret L. Brandeau, Francois  
Sainfort, William P. Pierskalla**



## **Scourge The Once And Future Threat Of Smallpox:**

**Scourge** Jonathan B. Tucker, 2002 A Washington Post Best Book of 2001 Scourge provides a definitive account of the dramatic story of smallpox by a leading expert on biological and chemical weapons Includes a new Afterword about recent developments in bioterrorism and the threat of smallpox *Smallpox: The Death of a Disease* D. A. Henderson, M.D., 2009-09-25 For more than 3000 years hundreds of millions of people have died or been left permanently scarred or blind by the relentless incurable disease called smallpox In 1967 Dr D A Henderson became director of a worldwide campaign to eliminate this disease from the face of the earth This spellbinding book is Dr Henderson s personal story of how he led the World Health Organization s campaign to eradicate smallpox the only disease in history to have been deliberately eliminated Some have called this feat the greatest scientific and humanitarian achievement of the past century In a lively engrossing narrative Dr Henderson makes it clear that the gargantuan international effort involved more than straightforward mass vaccination He and his staff had to cope with civil wars floods impassable roads and refugees as well as formidable bureaucratic and cultural obstacles shortages of local health personnel and meager budgets Countries across the world joined in the effort the United States and the Soviet Union worked together through the darkest cold war days and professionals from more than 70 nations served as WHO field staff On October 26 1976 the last case of smallpox occurred The disease that annually had killed two million people or more had been vanquished and in just over ten years The story did not end there Dr Henderson recounts in vivid detail the continuing struggle over whether to destroy the remaining virus in the two laboratories still that held it Then came the startling discovery that the Soviet Union had been experimenting with smallpox virus as a biological weapon and producing it in large quantities The threat of its possible use by a rogue nation or a terrorist has had to be taken seriously and Dr Henderson has been a central figure in plans for coping with it New methods for mass smallpox vaccination were so successful that he sought to expand the program of smallpox immunization to include polio measles whooping cough diphtheria and tetanus vaccines That program now reaches more than four out of five children in the world and is eradicating poliomyelitis This unique book is to be treasured a personal and true story that proves that through cooperation and perseverance the most daunting of obstacles can be overcome *Smallpox, Syphilis and Salvation* Sheryl Persson, 2010-04 Since ancient times the search for cures for the great scourges that have afflicted humankind has been an ongoing quest but it is only within the last 200 years that major breakthroughs have occurred and the development of modern medicine has accelerated The stories behind these miraculous cures are those of intense rivalries and jealousies bitter public humiliation unswerving dedication subterfuge and great personal struggles Often these medical advances have truly changed the world When Edward Jenner developed the concept of vaccination and with it the cure for smallpox he found a way to defeat a disease that had affected half a billion people more than all those affected by wars and other epidemics combined And while the Black Death still lingers in pockets around the world it no longer threatens to destroy

entire civilisations as it once did SMALLPOX SYPHILIS AND SALVATION uncovers the compelling stories of the men and women innovations and accidents that have led to diseases from polio to syphilis diphtheria to diabetes tetanus to leukaemia no longer being the death sentences they once were It also sounds a note of warning for some of these diseases are fighting back It is estimated that tuberculosis now claims one life every fifteen seconds while new superbugs are resistant to penicillin and other antibiotics Diseases may once again threaten to crush the world's population either in the form of biological warfare or simply because they want to survive as much as we do

**Science and Technology of Terrorism and Counterterrorism, Second Edition** Mark A. Prelas, Dabir S. Viswanath, Sudarshan K. Loyalka, 2010-08-10 Traditionally resources on terrorism and counterterrorism tend to focus on the social behavioral and legal aspects of the subject with minimal emphasis on the scientific and technological aspects Taking into account these practical considerations the second edition of Science and Technology of Terrorism and Counterterrorism discusses the nature of terrorism and the materials used by terrorists It describes how intelligence professionals and law enforcement personnel can detect and destroy these materials and how they can deal with terrorist groups This volume begins by introducing the shift in analysis of terrorist attacks after September 11 2001 and summarizes selected case studies It discusses the origin and nature of terrorism and the factors involved in diplomacy Covering a broad range of topics the book examines Aerosol dispersion of toxic materials Bioterrorism and the manufacture detection and delivery of biological agents Agricultural terrorism Nuclear terrorism and nuclear weapons systems threats and safeguards Chemical terrorism including manufacture detection delivery and decontamination Cyber terrorism Personal protective equipment The role of government at federal state and local levels The role of international agencies and their resources capabilities and responsibilities The National Infrastructure Protection Plan As terrorist activities increase globally it is critical that those charged with protecting the public understand the myriad of ways in which terrorists operate While we cannot predict where when and how terrorists will strike our vigilance in staying abreast of the terrorist threat is the only way to have a fighting chance against those who seek to destroy our world

**Angel of Death** G. Williams, 2010-05-17 The story of the rise and fall of smallpox one of the most savage killers in the history of mankind and the only disease ever to be successfully exterminated 30 years ago next year by a public health campaign

**Medical Aspects of Biological Warfare , Operations Research and Health Care** Margaret L. Brandeau, Francois Sainfort, William P. Pierskalla, 2006-04-04 In both rich and poor nations public resources for health care are inadequate to meet demand Policy makers and health care providers must determine how to provide the most effective health care to citizens using the limited resources that are available This chapter describes current and future challenges in the delivery of health care and outlines the role that operations research OR models can play in helping to solve those problems The chapter concludes with an overview of this book its intended audience the areas covered and a description of the subsequent chapters

KEY WORDS Health care delivery Health care planning HEALTH CARE DELIVERY PROBLEMS AND

CHALLENGES 3 1 1 WORLDWIDE HEALTH THE PAST 50 YEARS Human health has improved significantly in the last 50 years In 1950 global life expectancy was 46 years 1 That figure rose to 61 years by 1980 and to 67 years by 1998 2 Much of these gains occurred in low and middle income countries and were due in large part to improved nutrition and sanitation medical innovations and improvements in public health infrastructure

**Negotiating And Navigating Global Health: Case Studies In Global Health Diplomacy** Ellen Rosskam, Ilona Kickbusch, 2011-12-28 Diplomacy is undergoing profound changes in the 21st century and global health is one of the areas where this is most apparent The negotiation processes that shape and manage the global policy environment for health are increasingly conducted not only between public health experts representing health ministries of nation states but include many other major players at the national level and in the global arena These include philanthropists and public private players As health moves beyond its purely technical realm to become an ever more critical element in foreign policy security policy and trade agreements new skills are needed to negotiate global regimes international agreements and treaties and to maintain relations with a wide range of actors The intent of this book is to provide learning tools for today's broad group of new health diplomats in the landscape of this ever shifting complex technical and political arena The case studies are told as the negotiations were experienced by individuals who participated in the various debates dialogues negotiations or by experts who have studied them This collection fills an important gap in both knowledge and practice providing insight on how negotiations on global health issues have transpired the successes challenges failures tools and frameworks for negotiation mechanisms of policy coherence ways to achieve global health objectives internationally and how global health diplomacy used as a foreign policy tool can improve relations between nations

**Explorers of the Body** Steven Lehrer, 2006-09-08 How does the body work This question has intrigued and occupied mankind since soothsayers first peered into animal entrails From the primitive medicine of ancient Egypt to the mind boggling achievements of modern laboratories the healing craft has been a fascinating part of man's progress Explorers of the Body is a history of medicine told through lively stories of the men and women who made the great breakthroughs in our understanding of human physiology Edward Jenner Gregor Mendel Marie Curie Jonas Salk William Harvey Louis Pasteur Joseph Lister and many others

**20th Century Microbe Hunters** Robert I Krasner, 2008 Inspire your students with the stories behind the achievements of ten 20th century microbiologists These dramatic portrayals reveal the excitement diligence and often sacrifice of these eminent researchers and humanitarians An engaging journey through science and public health 20th Century Microbe Hunters is a must have for anyone making a foray into the fascinating world of microbiology Important Notice The digital edition of this book is missing some of the images or content found in the physical edition

**Code Orange** Caroline B. Cooney, 2013-06-11 While conducting research for a school paper on smallpox Mitty finds an envelope containing 100 year old smallpox scabs and fears that he has infected himself and all of New York city

**Environmental Security** Rita Floyd, Richard A. Matthew, 2013 Economic development population growth and poor

resource management have combined to alter the planet's natural environment in dramatic and alarming ways. For over twenty years, considerable research and debate have focused on clarifying or disputing linkages between various forms of environmental change and various understandings of security. At one extreme lie sceptics who contend that the linkages are weak or even non-existent; they are simply attempts to harness the resources of the security arena to an environmental agenda. At the other extreme lie those who believe that these linkages may be the most important drivers of security in the 21st century; indeed, the very future of humankind may be at stake. This book brings together contributions from a range of disciplines to present a critical and comprehensive overview of the research and debate linking environmental factors to security. It provides a framework for representing and understanding key areas of intellectual convergence and disagreement, clarifying achievements of the research as well as identifying its weaknesses and gaps. Part I explores the various ways environmental change and security have been linked and provides principal critiques of this linkage. Part II explores the linkage through analysis of key issue areas such as climate change, energy, water, food, population, and development. Finally, the book concludes with a discussion of the value of this subfield of security studies and with some ideas about the questions it might profitably address in the future. This volume is the first to provide a comprehensive overview of the field. With contributions from around the world, it combines established and emerging scholars to offer a platform for the next wave of research and policy activity. It is invaluable for both students and practitioners interested in international relations, environment studies, and human geography.

**Improving Homeland Security Decisions** Ali E. Abbas, Milind Tambe, Detlof von Winterfeldt, 2017-11-02. What are the risks of terrorism and what are their consequences and economic impacts? Are we safer from terrorism today than before 9/11? Does the government spend our homeland security funds well? These questions motivated a twelve-year research program of the National Center for Risk and Economic Analysis of Terrorism Events (CREATE) at the University of Southern California, funded by the Department of Homeland Security. This book showcases some of the most important results of this research and offers key insights on how to address the most important security problems of our time. Written for homeland security researchers and practitioners, this book covers a wide range of methodologies and real-world examples of how to reduce terrorism risks, increase the efficient use of homeland security resources, and thereby make better decisions overall.

**Port Cities of the Atlantic World** Jacob Steere-Williams, Blake C. Scott, 2023-12-14. Traces the maritime routes and the historical networks that link port cities around the Atlantic world. *Port Cities of the Atlantic World* brings together a collection of essays that examine the centuries-long transatlantic transportation of people, goods, and ideas, with a focus on the impact of that trade on what would become the American South. Employing a wide temporal range and broad geographic scope, the scholars contributing to this volume call for a sea-facing history of the South, one that connects that terrestrial region to this expansive maritime history. By bringing the study up to the 20th century in the collection's final section, the editors Jacob Steere-Williams and Blake C. Scott make the

case for the lasting influence of these port cities and Atlantic world history on the economy society and culture of the contemporary South

**Eradication** Nancy Leys Stepan, 2013-02-15 The dream of a world completely free of disease may seem utopian but eradication used in its modern sense to mean the reduction of the number of cases of a disease to zero by deliberate public health interventions has been pursued repeatedly Campaigns against yellow fever malaria and smallpox have been among the largest most costly programs ever undertaken in international public health But only one so far has been successful that against smallpox And yet in 2007 Bill and Melinda Gates surprised the world with the announcement that they were committing their foundation to eradicating malaria Polio eradication is another of their priorities Are such costly programs really justifiable The first comprehensive account of the major disease eradication campaigns from the early twentieth century right up to the present Eradication places these ambitious goals in their broad historical and contemporary contexts From the life and times of the American arch eradicationist Dr Fred Lowe Soper 1893 1977 who was at the center of many of the campaigns and controversies surrounding eradication in his lifetime to debates between proponents of primary health care approaches to ill health versus the eradicationists Nancy Leys Stepan's narrative suggests that today these differing public health approaches may be complementary rather than in conflict Enlightening for general readers and specialists alike Eradication is an illuminating look at some of the most urgent problems of health and disease around the world

**Once We Were Slaves** Laura Arnold Leibman, 2021-07-12 Once We Were Slaves tells the story of a brother and sister who were born enslaved Christians in Barbados yet ended up among the wealthiest white Jews in New York Tracing the siblings extraordinary journey throughout the Atlantic world Leibman examines artifacts they left behind family heirlooms and official documents to show how this transformation was possible Though their affluence was exceptional their story mirrors that of the largely forgotten population of mixed African and Jewish ancestry that constituted as much as ten percent of the Jewish communities in the New World and challenges current notions regarding Jews and race in early America

**America's First Vaccination** Barbara Heiffron, 2023-02-28 This book explores the response to a new scientific advance in medicine three hundred years ago to understand how this discourse revealed religious racial anti intellectual and other ideologies the first time documented vaccinations were introduced in America This text serves as a case study that examines the historic discourses surrounding the implementation of a new prevention technique smallpox inoculation to prevent the devastating epidemics of smallpox that had visited the new colonies since their start on the American continent Using this detailed analysis of the arguments surrounding the project in early America the author examines the various arguments that circulated in the 1720s regarding the project When compared to today's pandemic this study argues that Americans over react and complicate scientific applications not with logical scientific perspectives or even with ethical views but instead bring exaggerated claims founded on uniquely American historical religious racial territorial and political ideologies America's First Vaccination will be of interest to anyone interested in American history the history of medicine

cultural studies and a comparison to current pandemic events     The Politics of Healing Robert D. Johnston, 2004-06 First Published in 2004 Routledge is an imprint of Taylor Francis an informa company     **The Anthrax Letters** Leonard A. Cole, 2009-04-01 At 2 00am on October 2 2001 Robert Stevens entered a hospital emergency room Feverish nauseated and barely conscious no one knew what was making him sick Three days later he was dead Stevens was the first fatal victim of bioterrorism in America Bioterrorism expert Leonard Cole has written the definitive account of the Anthrax attacks Cole is the only person outside law enforcement to have interviewed every one of the surviving inhalation anthrax victims along with the relatives friends and associates of those who died as well as the public health officials scientists researchers hospital workers and treating physicians Fast paced and riveting this minute by minute chronicle of the anthrax attacks recounts more than a history of recent current events it uncovers the untold and perhaps even more important story of how scientists doctors and researchers perform life saving work under intense pressure and public scrutiny Updated with new information about Ivins and a series of upcoming Congressional hearings into the FBI s conduct in this case The Anthrax Letters amply demonstrates how vulnerable America was in 2001 and whether we are better prepared now for a bioterror attack

Historicizing Fear Travis D. Boyce, Winsome M. Chunnu, 2020-02-21 Historicizing Fear is a historical interrogation of the use of fear as a tool to vilify and persecute groups and individuals from a global perspective offering an unflinching look at racism fearful framing oppression and marginalization across human history The book examines fear and Othering from a historical context providing a better understanding of how power and oppression is used in the present day Contributors ground their work in the theory of Othering the reductive action of labeling a person as someone who belongs to a subordinate social category defined as the Other in relation to historical events demonstrating that fear of the Other is universal timeless and interconnected Chapters address the music of neo Nazi white power groups fear perpetuated through the social construct of black masculinity in a racially hegemonic society the terror and racial cleansing in early twentieth century Arkansas the fear of drug addicted Vietnam War veterans the creation of fear by the Tang Dynasty and more Timely provocative and rigorously researched Historicizing Fear shows how the Othering of members of different ethnic groups has been used to propagate fear and social tension justify state violence and prevent groups or individuals from gaining equality Broadening the context of how fear of the Other can be used as a propaganda tool this book will be of interest to scholars and students of history anthropology political science popular culture critical race issues social justice and ethnic studies as well as the general reader concerned with the fearful framing prevalent in politics Contributors Quaylan Allen Melanie Armstrong Brecht De Smet Kirsten Dyck Adam C Fong Jeff Johnson ukasz Kamie ski Guy Lancaster Henry Santos Metcalf Julie M Powell Jelle Versieren

## **Scourge The Once And Future Threat Of Smallpox** Book Review: Unveiling the Magic of Language

In an electronic digital era where connections and knowledge reign supreme, the enchanting power of language has become much more apparent than ever. Its power to stir emotions, provoke thought, and instigate transformation is truly remarkable. This extraordinary book, aptly titled "**Scourge The Once And Future Threat Of Smallpox**," compiled by a very acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound effect on our existence. Throughout this critique, we shall delve into the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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web we do not want the voltmeter to load the circuit consequently an ideal voltmeter will have infinite resistance an ammeter is connected in series with the circuit to be measured the ideal ammeter will have zero resistance so as not to disturb the circuit we will find the shunt as part of the ammeter circuit

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