

BLOOD

AN EPIC HISTORY OF
MEDICINE AND COMMERCE

DOUGLAS STARR

Blood An Epic History Of Medicine And Commerce

Jenn Hobbs



Blood An Epic History Of Medicine And Commerce:

Blood Douglas Starr, 2012-09-05 Essence and emblem of life feared revered mythologized and used in magic and medicine from earliest times human blood is now the center of a huge secretive and often dangerous worldwide commerce It is a commerce whose impact upon humanity rivals that of any other business millions of lives have been saved by blood and its various derivatives and tens of thousands of lives have been lost Douglas Starr tells how this came to be in a sweeping history that ranges through the centuries With the dawn of science blood came to be seen as a component of human anatomy capable of being isolated studied used Starr describes the first documented transfusion In the seventeenth century one of Louis XIV s court physicians transfers the blood of a calf into a madman to cure him At the turn of the twentieth century a young researcher in Vienna identifies the basic blood groups taking the first step toward successful transfusion Then a New York doctor finds a way to stop blood from clotting thereby making all transfusion possible In the 1930s a Russian physician in grisly improvisation successfully uses cadaver blood to help living patients and realizes that blood can be stored The first blood bank is soon operating in Chicago During World War II researchers driven by battlefield needs break down blood into usable components that are more easily stored and transported This fractionation process accomplished by a Harvard team produces a host of pharmaceuticals setting the stage for the global marketplace to come Plasma precisely because it can be made into long lasting drugs is shipped and traded for profit today it is a 5 billion business The author recounts the tragic spread of AIDS through the distribution of contaminated blood products and describes why and how related scandals have erupted around the world Finally he looks at the latest attempts to make artificial blood Douglas Starr has written a groundbreaking book that tackles a subject of universal and urgent importance and explores the perils and promises that lie ahead

Blood, 1999 Blood Douglas Starr, 1999 This work tells the story of a global resource blood and exposes the workings of a secretive industry Its backdrop encompasses the history of the advanced nations from the first blood experiments during the Enlightenment to the genetic laboratories that may render transfusions obsolete Geographically it ranges from German concentration camps to the pharmaceutical companies in Japan that surpass all others in making commercial products from blood **A History of Haematology** Shaun R. McCann, 2016 A beautifully illustrated account of the remarkable developments within haematology this insightful volume details the scientists and pioneers central to these advances

Blood and Steel Ruth D. Reichard, 2021-05-14 Set in the 1980s against a backdrop of the AIDS crisis deindustrialization and the Reagan era this book tells the story of one individual s defiant struggle against his community the city of Kokomo Indiana At the same time as teenage AIDS patient Ryan White bravely fought against the intolerance of his hometown to attend public school one of Kokomo s largest employers Continental Steel filed for bankruptcy significantly raising the stakes of the fight for the city s livelihood and national image This book tells the story of a fearful time in our recent history as people in the heartland endured massive layoffs coped with a lethal new disease and discovered a legacy of

toxic waste Now some 30 years after Ryan White's death this book offers a fuller accounting of the challenges that one city reckoned with during this tumultuous period Blood and Belief David Biale,2007-10-23 Blood contains extraordinary symbolic power in both Judaism and Christianity as the blood of sacrifice of Jesus of the Jewish martyrs of menstruation and more Yet though they share the same literary cultural and religious origins on the question of blood the two religions have followed quite different trajectories For instance while Judaism rejects the eating or drinking of blood Christianity mandates its symbolic consumption as a central sacrament How did these two traditions both originating in the Hebrew Bible's cult of blood sacrifices veer off in such different directions With his characteristic wit and erudition David Biale traces the continuing changing and often clashing roles of blood as both symbol and substance through the entire sweep of Jewish and Christian history from Biblical times to the present **Banning Queer Blood** Jeffrey A. Bennett,2015-09-30 Frames blood donation as a performance of civic identity closely linked to the meaning of citizenship In *Banning Queer Blood* Jeffrey Bennett frames blood donation as a performance of civic identity closely linked to the meaning of citizenship However with the advent of HIV came the notion of blood donation as a potentially dangerous process Bennett argues that the Food and Drug Administration by employing images that specifically depict gay men as contagious has categorized gay men as a menace to the nation The FDA's ban on blood donation by gay men served to propagate the social misconceptions about gay men that continue to circulate within both the straight and LGBT Queer communities Bennett explores the role of scientific research cited by these banned blood policies and its disquieting relationship to government agencies including the FDA Bennett draws parallels between the FDA's position on homosexuality and the historical precedents of discrimination by government agencies against racial minorities The author concludes by describing the resistance posed by queer donors who either lie in order to donate blood or protest discrimination at donation sites and by calling for these prejudiced policies to be abolished *Sickle Cell Disease in Sub-Saharan Africa* Baba Inusa,Kanayo Nwankwo,Nkechikwu Azinge-Egbiri,Bukola Bolarinwa,2024-04-30 This important collection provides an epidemiological perspective on the continuing scope of sickle cell disease SCD in sub Saharan Africa alongside the clinical attempts to provide comprehensive care in a resource limited setting The book moves from a clinical profile of SCD to screening for the disease and ongoing patient care There are chapters on pain management organ failure infections and transfusions as well as nutrition and neurocognitive complications The book concludes with chapters on anti sickness medication cell transplantation and nursing care The first in a two volume set offering a multi disciplinary perspective on SCD this is a comprehensive resource that applies clinical knowledge to the practical challenges faced in sub Saharan Africa It will be important reading for medical students taking courses in haematology as well as those studying Public Health in sub Saharan Africa Practitioners in the region will also find it invaluable in developing their understanding of this pervasive disease Encyclopedia of Early Modern Philosophy and the Sciences Dana Jalobeanu,Charles T. Wolfe,2022-08-27 This Encyclopedia offers a fresh integrated and creative perspective

on the formation and foundations of philosophy and science in European modernity Combining careful contextual reconstruction with arguments from traditional philosophy the book examines methodological dimensions breaks down traditional oppositions such as rationalism vs empiricism calls attention to gender issues to insiders and outsiders minor figures in philosophy and underground movements among many other topics In addition and in line with important recent transformations in the fields of history of science and early modern philosophy the volume recognizes the specificity and significance of early modern science and discusses important developments including issues of historiography such as historical epistemology the interplay between the material culture and modes of knowledge expert knowledge and craft knowledge This book stands at the crossroads of different disciplines and combines their approaches particularly the history of science the history of philosophy contemporary philosophy of science and intellectual and cultural history It brings together over 100 philosophers historians of science historians of mathematics and medicine offering a comprehensive view of early modern philosophy and the sciences It combines and discusses recent results from two very active fields early modern philosophy and the history of early modern science Editorial Board EDITORS IN CHIEF Dana Jalobeanu University of Bucharest Romania Charles T Wolfe Ghent University Belgium ASSOCIATE EDITORS Delphine Bellis University Nijmegen The Netherlands Zvi Biener University of Cincinnati OH USA Angus Gowland University College London UK Ruth Hagengruber University of Paderborn Germany Hiro Hirai Radboud University Nijmegen The Netherlands Martin Lenz University of Groningen The Netherlands Gideon Manning CalTech Pasadena CA USA Silvia Manzo University of La Plata Argentina Enrico Pasini University of Turin Italy Cesare Pastorino TU Berlin Germany Lucian Petrescu Universit Libre de Bruxelles Belgium Justin E H Smith University de Paris Diderot France Marius Stan Boston College Chestnut Hill MA USA Koen Vermeir CNRS SPHERE Universit de Paris France Kirsten Walsh University of Calgary Alberta Canada

Hematologies Jacob Copeman, Dwaipayan Banerjee, 2019-12-15 In this ground breaking account of the political economy and cultural meaning of blood in contemporary India Jacob Copeman and Dwaipayan Banerjee examine how the giving and receiving of blood has shaped social and political life Hematologies traces how the substance congeals political ideologies biomedical rationalities and activist practices Using examples from anti colonial appeals to blood sacrifice as a political philosophy to contemporary portraits of political leaders drawn with blood from the use of the substance by Bhopali children as a material of activism to biomedical anxieties and aporias about the excess and lack of donation Hematologies broaches how political life in India has been shaped through the use of blood and through contestations about blood As such the authors offer new entryways into thinking about politics and economy through a bloodscape of difference different sovereignties different proportionalities and different temporalities These entryways allow the authors to explore the relation between blood's utopic flows and political clottings as it moves through time and space conjuring new kinds of social collectivities while reanimating older forms and always in a reflexive relation to norms that guide its proper flow **Bodily**

Fluids, Fluid Bodies and International Politics Jenn Hobbs, 2024-06-24 In recent years security actors have become increasingly concerned with health issues This book reveals how understandings of race sexuality and gender are produced reproduced through healthcare policy Analysing the plasma of paid Mexican o donors in the US airport vomit in Ebola epidemics and the semen of soldiers with genitourinary injuries this book shows how security practices focus upon governing bodily fluids Using a variety of critical scholarship feminist technoscience queer studies and critical race studies this book uses fluids to reveal unequal distributions of life and death Thicker Than Water Melissa Meyer, 2014-02-04 Blood is more than a fluid solution of cells platelets and plasma It is a symbol for the most basic of human concerns life death and family find expression in rituals surrounding everything from menstruation to human sacrifice Comprehensive in its scope and provocative in its argument this book examines beliefs and rituals concerning blood in a range of regional and religious contexts throughout human history Meyer reveals the origins of a wide range of blood rituals from the earliest surviving human symbolism of fertility and the hunt to the Jewish bris and the clitoridectomies given to young girls in parts of Africa The book also explores how cultural practices influence gene selection and makes a connection with the natural sciences by exploring how color perception influences the human proclivity to create blood symbols and rituals *The Bleeding Disease* Stephen Pemberton, 2011-07-15 By the 1970s a therapeutic revolution decades in the making had transformed hemophilia from an obscure hereditary malady into a manageable bleeding disorder Yet the glory of this achievement was short lived The same treatments that delivered some normalcy to the lives of persons with hemophilia brought unexpectedly fatal results in the 1980s when people with the disease contracted HIV AIDS and Hepatitis C in staggering numbers The Bleeding Disease recounts the promising and perilous history of American medical and social efforts to manage hemophilia in the twentieth century This is both a success story and a cautionary tale one built on the emergence in the 1950s and 1960s of an advocacy movement that sought normalcy rather than social isolation and hyper protectiveness for the boys and men who suffered from the severest form of the disease Stephen Pemberton evokes the allure of normalcy as well as the human costs of medical and technological progress in efforts to manage hemophilia He explains how physicians advocacy groups the blood industry and the government joined patients and families in their unrelenting pursuit of normalcy and the devastating unintended consequences that pursuit entailed Ironically transforming the hope of a normal life into a purchasable commodity for people with bleeding disorders made it all too easy to ignore the potential dangers of delivering greater health and autonomy to hemophilic boys and men **Blood, Plasma, and Plasma Proteins** José Luis Valverde, 2006 Labile blood products and plasma derived products are very sensitive form a social viewpoint Along with the challenges faced by all medicinal products there is an added challenge due to the lack of raw material and the social problems with regards to their acquisition Obtaining them depends on blood and plasma donations which are insufficient Europeans as a whole fail to even cover 40 % of their needs in plasma for fractionation The aspiration that all donations shall be voluntary free and unpaid is an

altruistic objective which reality unfortunately contradicts every day Governments and all social Agencies should promote to the maximum its actions in order to achieve the greatest number of donation each day Even from a humanitarian or ethical viewpoint nobody can deny a possible donor accepting incentives This incentive discussion plus the concept of self sufficiency of countries and more are discussed in this volume Gambler's Choice Amber Jo Ann ,2020-10-26 One horrific encounter haunts a world of characters nearly two decades later just as a Silicon Valley startup promising a cure for aging sparks a startling chain of events In this unconventional novel built along the zodiac s wheel you ll explore an elaborate tapestry of pivotal moments staged in a variety of settings from the Chicago theatre scene and life in South Louisiana to the world of paid plasma donations and hemophilia during the tainted blood era Following twelve connected stories you ll also examine the absurdity of plague the complexity of truth and the struggles we all share in our quest to understand ourselves Here is your opportunity dear reader to experience a Gambler s Choice where your decisions define your character in the face of obstacles along your path And it begins right now with your decision to choose this book *Experiences of Freedom in Postcolonial Literatures and Cultures* Annalisa Oboe,2011-03-30 Modern ideas of freedom and human rights have been repeatedly contested and are hotly debated at the beginning of the third millennium in response to new theories needs and challenges in contemporary life This volume offers culturally diverse contributions to the debate on freedom from the literatures and arts of the postcolonial world exploring experiences that evoke desire imagine and perform freedom across five continents and two centuries of history Experiences of Freedom opens with an introductory philosophical essay by Achille Mbembe and is divided into four sections that consider resisting history and colonialism the right to move and to belong the right to believe in free futures imaginative freedom and critical engagement Each section contains a piece of creative writing directly connected to these topics from authors Chris Abani Anita Desai Caryl Phillips and Alexis Wright followed by a selection of critical essays Contributors Chris Abani Rochelle Almeida Gil Anidjar Jogamaya Bayer Elena Bernardini Anne Collett Carmen Concilio Paola Della Valle Roberto Derobertis Anita Desai Lorna Down Francesca Giommi Gareth Griffiths Dave Gunning John C Hawley Peter H Marsden Russell McDougall Achille Mbembe Cinzia Mozzato Kevin Newmark Berndt Ostendorf Mai Palmberg Owen Percy Kirsten Holst Petersen Caryl Phillips Annel Pieterse Christiane Schlote Nermeen Shaikh Patrick Williams Alexis Wright and Robert J C Young **Life on Ice** Joanna Radin,2017-03-27 After the atomic bombing at the end of World War II anxieties about survival in the nuclear age led scientists to begin stockpiling and freezing hundreds of thousands of blood samples from indigenous communities around the world These samples were believed to embody potentially invaluable biological information about genetic ancestry evolution microbes and much more Today they persist in freezers as part of a global tissue based infrastructure In Life on Ice Joanna Radin examines how and why these frozen blood samples shaped the practice known as biobanking The Cold War projects Radin tracks were meant to form an enduring total archive of indigenous blood before it was altered by the polluting forces of modernity Freezing

allowed that blood to act as a time traveling resource Radin explores the unique cultural and technical circumstances that created and gave momentum to the phenomenon of life on ice and shows how these preserved blood samples served as the building blocks for biomedicine at the dawn of the genomic age In an era of vigorous ethical legal and cultural debates about genetic privacy and identity Life on Ice reveals the larger picture how we got here and the promises and problems involved with finding new uses for cold human blood samples

Blood: The Science, History, and Mysteries of Life's Vital Flow
Guglielmo Mariani, Peter M Lydyard, Pier Mannuccio Mannucci, 2025-06-19 Every day millions of people have diagnostic laboratory tests or donate blood Why is blood so important Blood reaches every remote corner of our being provides nutrients carries oxygen and removes impurities from tissues Blood is not only a transport and defense system but it also plays a crucial role in maintaining the balance of all the other body systems and organs All living beings whether they are warm blooded such as mammals and birds or cold blooded such as insects reptiles amphibians and invertebrate animals live thanks to blood which is essential for life We all take for granted its existence and importance without knowing what it contains and its countless and amazing properties This book is a voyage we would like to take with our readers it is organized into 4 parts going from the history of blood in religion and ancient populations via the basic science of blood disorders that we all hear about every day through to the use of blood and its components in treating several diseases The Authors have written this book because of their longstanding academic experience in the science related to blood and to disseminate their knowledge to the widest possible audience This work has been designed to be as comprehensible as possible to diverse groups of individuals who are interested in science in general and in blood in particular In addition because several technical terms may not be familiar to the readers a detailed glossary is provided

The Oxford Companion to the History of Modern Science
John L. Heilbron, 2003-02-14 Containing 609 encyclopedic articles written by more than 200 prominent scholars The Oxford Companion to the History of Modern Science presents an unparalleled history of the field invaluable to anyone with an interest in the technology ideas discoveries and learned institutions that have shaped our world over the past five centuries Focusing on the period from the Renaissance to the early twenty first century the articles cover all disciplines Biology Alchemy Behaviorism historical periods the Scientific Revolution World War II the Cold War concepts Hypothesis Space and Time Ether and methodologies and philosophies Observation and Experiment Darwinism Coverage is international tracing the spread of science from its traditional centers and explaining how the prevailing knowledge of non Western societies has modified or contributed to the dominant global science as it is currently understood Revealing the interplay between science and the wider culture the Companion includes entries on topics such as minority groups art religion and science s practical applications One hundred biographies of the most iconic historic figures chosen for their contributions to science and the interest of their lives are also included Above all The Oxford Companion to the History of Modern Science is a companion to world history modern in coverage generous in breadth and cosmopolitan in scope The volume s utility is

enhanced by a thematic outline of the entire contents a thorough system of cross referencing and a detailed index that enables the reader to follow a specific line of inquiry along various threads from multiple starting points Each essay has numerous suggestions for further reading all of which favor literature that is accessible to the general reader and a bibliographical essay provides a general overview of the scholarship in the field Lastly as a contribution to the visual appeal of the Companion over 100 black and white illustrations and an eight page color section capture the eye and spark the imagination

The Politics of Blood Anne-Maree Farrell, 2012-05-24 How best to manage risk involving multi valued human biological materials is the overarching theme of this book which draws on the sourcing and supply of blood as a case study Blood has ethical social scientific and commercial value This multi valuing process presents challenges in terms of managing risk therefore making it ultimately a matter for political responsibility This is highlighted through an examination of the circumstances that led to HIV blood contamination episodes in the US England and France as well as their consequences The roles of scientific expertise and innovation in managing risks to the blood system are also analysed as is the increased use of precautionary and legal strategies in the post HIV blood contamination era Finally consideration is given to a range of policy and legal strategies that should underpin effective risk governance involving multi valued human biological materials

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