

2017 Doomsday Clock Statement Bulletin Of The Atomic

The Doomsday Clock At 75

Well-known names such as Albert Einstein, Enrico Fermi, J. Robert Oppenheimer, and Edward Teller are usually those that surround the creation of the atom bomb. One name that is rarely mentioned is Leo Szilard, known in scientific circles as “father of the atom bomb.” The man who first developed the idea of harnessing energy from nuclear chain reactions, he is curiously buried with barely a trace in the history of this well-known and controversial topic. Born in Hungary and educated in Berlin, he escaped Hitler’s Germany in 1933 and that first year developed his concept of nuclear chain reactions. In order to prevent Nazi scientists from stealing his ideas, he kept his theories secret, until he and Albert Einstein pressed the US government to research atomic reactions and designed the first nuclear reactor. Though he started his career out lobbying for civilian control of atomic energy, he concluded it with founding, in 1962, the first political action committee for arms control, the Council for a Livable World. Besides his career in atomic energy, he also studied biology and sparked ideas that won others the Nobel Prize. The Salk Institute for Biological Studies in La Jolla, California, where Szilard spent his final days, was developed from his concepts to blend science and social issues.

In *Allegories of the Anthropocene* Elizabeth M. DeLoughrey traces how indigenous and postcolonial peoples in the Caribbean and Pacific Islands grapple with the enormity of colonialism and anthropogenic climate change through art, poetry, and literature. In these works, authors and artists use allegory as a means to understand the multiscalar complexities of the Anthropocene and to critique the violence of capitalism, militarism, and the postcolonial state. DeLoughrey examines the work of a wide range of artists and writers—including poets Kamau Brathwaite and Kathy Jetñil-Kijiner, Dominican installation artist Tony Capellán, and authors Keri Hulme and Erna Brodber—whose work addresses Caribbean plantations, irradiated Pacific atolls, global flows of waste, and allegorical representations of the ocean and the island. In examining how island writers and artists address the experience of finding themselves at the forefront of the existential threat posed by climate change, DeLoughrey demonstrates how the Anthropocene and empire are mutually constitutive and establishes the vital importance of allegorical art and literature in understanding our global environmental crisis.

For fifty-five years, the United States and Saudi Arabia were solid partners. Then came the 9/11 attacks, which sorely tested that relationship. In *Thicker than Oil*, Rachel Bronson reveals why the partnership became so intimate and how the countries' shared interests sowed the seeds of today's most pressing problem--Islamic radicalism. Drawing on a wide range of archival material, declassified documents, and interviews with leading Saudi and American officials, and including many colorful stories of diplomatic adventures and misadventures, Bronson chronicles a history of close, and always controversial, contacts. She argues that contrary to popular belief the relationship was never simply about "oil for security." Saudi Arabia's geographic location and religiously motivated foreign policy figured prominently in American efforts to defeat "godless communism." From Africa to Afghanistan, Egypt to Nicaragua, the two worked to beat back Soviet expansion. But decisions made for hardheaded Cold War purposes left behind a legacy that today enflames the Middle East. Looking forward, Bronson outlines the challenges confronting the relationship. The Saudi government faces a zealous internal opposition bent on America's and Saudi Arabia's destruction. Yet from the perspective of both countries, the status quo is clearly unsustainable.

The History of Nuclear Secrecy in the United States

Educated

Three-Fifths

The Best of TaoSecurity Blog, Volume 4

Doomsday Clock (2017-2019) #11

37 Psychiatrists and Mental Health Experts Assess a President - Updated and Expanded with New Essays

Confessions of a Nuclear War Planner

In this edited volume, authors seek to document and analyze how state and non-state actors leverage digital rhetoric as a twenty-first-century weapon of war. Rhet Ops offer readers a chance to focus on the human dimension of rhetorical practice within mobile technologies and social networks: to reflect not only on the durable question of what it means to conduct oneself ethically as a speaker or writer, but also what it means to learn the art of rhetoric as a means to engage adversaries in war and conflict.

This book examines how the armed forces of the United States and Australia have responded to the threat posed by climate change to national security. Drawing on established securitisation frameworks ('Copenhagen' and 'Paris' Schools), the author uses a combination of quantitative and qualitative techniques to systematically examine more than 3,500 speeches, policies and doctrinal articles since 2003. Importantly, the author undertakes an examination of the intersection between the political and the military spheres, probing the question of how ideology has influenced the military's uptake on the issue. In this context, the author identifies the difficulty of an ostensibly apolitical institution responding to what has become both a hyper-political issue and an unprecedented security threat. A close examination of the key political actors – their intent, outlook and political mandate for broader climate action – is therefore crucial to understanding the policy freedom and constraints within which military leaders operate. The book consists of eight chapters divided into four parts, focusing on: perspectives and methodological insights; empirical case studies; case study comparison; and concluding observations.

- Offers a rare and systematic examination of military climate policy by a military officer from Australia
- Identifies a divergence of Australian military climate policy from that of the US military during the Obama Administration
- Develops a unique method that quantifies climate security, enabling a graphical representation for quick and ready reference ideally suited to policy-makers

*Confronting the Bomb tells the dramatic, inspiring story of how citizen activism helped curb the nuclear arms race and prevent nuclear war. This abbreviated version of Lawrence Wittner's award-winning trilogy, *The Struggle Against the Bomb*, shows how a worldwide, grassroots campaign—the largest social movement of modern times—challenged the nuclear priorities of the great powers and, ultimately, thwarted their nuclear ambitions. Based on massive research in the files of peace and disarmament organizations and in formerly top secret government records, extensive interviews with antinuclear activists and government officials, and memoirs and other published materials, *Confronting the Bomb* opens a unique window on one of the most important issues of the modern era: survival in the nuclear age. It covers the entire period of significant opposition to the bomb, from the final stages of the Second World War up to the present. Along the way, it provides fascinating glimpses of the interaction of key nuclear disarmament activists and policymakers, including Albert Einstein, Harry Truman, Albert Schweitzer, Norman Cousins, Nikita Khrushchev, Bertrand Russell, Andrei Sakharov, Linus Pauling, Dwight Eisenhower, Harold Macmillan, John F. Kennedy, Randy Forsberg, Mikhail Gorbachev, Helen Caldicott, E.P. Thompson, and Ronald Reagan. Overall, however, it is a story of popular mobilization and its effectiveness. Despite approval by Congress and the Bush administration and over seven billion dollars already spent, the Yucca Mountain, Nevada, site for disposal of highly radioactive spent nuclear fuel is not yet in operation. The reasons for the delay lie not only in citizen and activist opposition to the project but also in the numerous scientific and technical issues that remain unresolved. Although many scientists favor geologic disposal of high-level*

nuclear waste, there are substantial unknowns in projecting the performance of a site over the tens to hundreds of thousands of years that may be required by Environmental Protection Agency standards. Uncertainty Underground is the first effort to review the uncertainties in the analysis of the long-term performance of the proposed repository at Yucca Mountain. The book does not pass judgment on the suitability of the site but provides reliable science-based information to support open debate and inquiry into its safety. Experts from the geosciences, industry, and government review different aspects of the repository system, focusing on the uncertainties inherent in each. After an overview of the historical and regulatory context, the contributors investigate external factors (including climate change and volcanic activity) that could affect repository performance and then turn to topics concerning the repository itself. These include hydrologic issues, the geological conditions with which the nuclear waste in the repository would interact, and the predicted behavior of the different kinds of waste and waste package materials. Uncertainty Underground succeeds in making these important technical issues understandable to a wide audience, including policymakers and the general public.

One Hundred Years of Chemical Warfare: Research, Deployment, Consequences

Rhetoric and Information Warfare

What If We Stopped Pretending?

Genius in the Shadows

Britain's Most Enduring Mass Movement

Restricted Data

The Forgiving Air

The Doomsday Clock is many things all at once: It's a metaphor, it's a logo, it's a brand, and it's one of the most recognizable symbols of the past 100 years. Chicago landscape artist Martyl Langsdorf, who went by her first name professionally, created the Doomsday Clock design for the June 1947 cover of the Bulletin of the Atomic Scientists, published by the news organization and nonprofit behind the iconic Doomsday Clock. It sits at the crossroads of science and art, and therefore communicates an immediacy that few other forms can. As designer Michael Bierut says, the Clock is "the most powerful piece of information design of the 20th century." The Doomsday Clock has permeated not only the media landscape but also culture itself. As you'll see in the pages of this book, more than a dozen musicians, including The Who, The Clash, and Smashing Pumpkins, have written songs about it. It's referenced in countless novels (Stephen King, Piers Anthony), comic books (Watchmen, Stormwatch), movies (Dr. Strangelove, The Simpsons Movie, Justice League), and TV shows (Doctor Who, Madame Secretary). Even the shorthand, the way we announce time on the Doomsday Clock--"It is Two Minutes to Midnight" (or whatever the current time might be)--has been adopted into the global vernacular. Throughout the Doomsday Clock's 75 years, the Bulletin has worked to preserve its integrity and its scientific mission to educate and inform the public. This is why, in part, we wanted to explore this powerful symbol and how it has impacted culture, politics, and global policy--and how it's helped shape discussions and strategies around nuclear risk,

climate change, and disruptive technologies. It's a symbol of danger, of hope, of caution, and of our responsibility to one another.

The Sustainable Development Goals (SDGs) were adopted in 2015. The SDGs make the central promise to Leave No One Behind and include a dedicated goal to reduce inequalities. Human rights advocates have put great hopes in the SDGs as an instrument for transformative change. But do they bring about the much-needed paradigm shift? Or were the extensive consultations and negotiations much ado about nothing? "Sustainable Development Goals and Human Rights: A Critical Early Review" follows two central lines of inquiry. The chapters examine to what extent do the SDGs live up to the promise to reduce inequalities and provide for monitoring and policies that address the needs of marginalized and invisible populations. They further suggest transparent and binding accountability processes and mechanisms to ensure that the SDGs are more than lofty goals and bring power to their promise. The volume begins with three chapters that focus on different aspects of SDG 10 and the commitment to reduce inequalities. From this cross cutting SDG, the following three chapters look at the translation of equality and accountability into specific sectors: health (SDG 3) and labour (SDG 8). The chapters were originally published in a special issue of The International Journal of Human Rights.

This book presents projections and blueprints of the future geologic period, climate and biosphere, based on our current understanding of the Earth's history and recent developments in the atmosphere-ocean-cryosphere system. By the second decade of the 21st century it has become clear that, rather than channel its efforts into protecting its planetary biosphere and living species, Homo sapiens continues to sink its remaining resources into weapons, including nuclear missiles – thus increasing the risk of intentional or accidental spread of radioactive nuclides on land, oceans and atmosphere. With time, possibility becomes probability, and probability becomes certainty – heralding a transition from the Anthropocene to a new geological period, named here as Plutocene after the element Plutonium. During the Plutocene the biosphere is dominated by elevated temperatures, analogous to the Pliocene (2.6 – 5.3 Ma ago) or the Miocene (5.3 – 23 Ma ago) when mean global temperatures were 2 to 4 degrees Celsius warmer and sea levels 20 to 40 meters higher than pre-industrial levels. High levels of radioactivity will persist for at least 20,000 years and acid oceans will severely limit biological activity to the hardiest species. Atmospheric CO₂ higher than 500 ppm with residence time on the order of thousands of years will delay the subsequent glacial cycle. These factors restrict comparisons of the Plutocene with biosphere conditions during the Miocene and Pliocene periods, partly because the flora and fauna evolved more gradually during these periods, unlike the abrupt climate shift of state during the second half of the 20th century and first part of the 21st century. Following a long lull in biological activity dominated by radiation-resistant organisms, especially Arthropods, a resumption of glacial cycles and decline in radioactivity will lead to the re-emergence of

descendants of burrowing mammals and other genera. Depending on the intensity of radioactive pollution, hunter-gatherer humans may survive in northern latitudes, relatively cold high-altitude mountain valleys and elevated volcanic islands. In some areas subsistence farming may be possible. A new cycle will commence.

With many scholars and analysts questioning the relevance of deterrence as a valid strategic concept, this volume moves beyond Cold War nuclear deterrence to show the many ways in which deterrence is applicable to contemporary security. It examines the possibility of applying deterrence theory and practice to space, to cyberspace, and against non-state actors. It also examines the role of nuclear deterrence in the twenty-first century and reaches surprising conclusions.

World Population to 2300

Allegories of the Anthropocene

Uncertainty Underground

An Introduction to Existential Risks

Thinking about Deterrence

An Introduction

In the Days of Rain

This publication contains a survey of female abstract expressionist artists, revealing the richness and lasting influence of their work and the movement as a whole as well as highlighting the lack of critical attention they have received to date.

"Nuclear weapons, since their conception, have been the subject of secrecy. In the months after the dropping of the atomic bombs on Hiroshima and Nagasaki, the American scientific establishment, the American government, and the American public all wrestled with what was called the "problem of secrecy," wondering not only whether secrecy was appropriate and effective as a means of controlling this new technology but also whether it was compatible with the country's core values. Out of a messy context of propaganda, confusion, spy scares, and the grave counsel of competing groups of scientists, what historian Alex Wellerstein calls a "new regime of secrecy" was put into place. It was unlike any other previous or since. Nuclear secrets were given their own unique legal designation in American law ("restricted data"), one that operates differently than all other forms of national security classification and exists to this day. Drawing on massive amounts of declassified files, including records released by the government for the first time at the author's request, Restricted Data is a narrative account of nuclear secrecy and the tensions and uncertainty that built as the Cold War continued. In the US, both science and democracy are pitted against nuclear secrecy, and this makes its history uniquely compelling and timely"--

As this bestseller predicted, Trump has only grown more erratic and dangerous as the pressures on him mount. This new edition includes new essays bringing the book up to date—because this is still not normal. Originally released in fall 2017, *The Dangerous Case of Donald Trump* was a runaway bestseller. Alarmed Americans and international onlookers wanted to know: What is wrong with him? That question still plagues us. The Trump administration has proven as chaotic and destructive as its opponents feared, and the man at the center of it all remains a cipher. Constrained by the APA's "Goldwater rule," which inhibits mental health professionals from diagnosing public figures

they have not personally examined, many of those qualified to weigh in on the issue have shied away from discussing it at all. The public has thus been left to wonder whether he is mad, bad, or both. The prestigious mental health experts who have contributed to the revised and updated version of *The Dangerous Case of Donald Trump* argue that their moral and civic "duty to warn" supersedes professional neutrality. Whatever affects him, affects the nation: From the trauma people have experienced under the Trump administration to the cult-like characteristics of his followers, he has created unprecedented mental health consequences across our nation and beyond. With eight new essays (about one hundred pages of new material), this edition will cover the dangerous ramifications of Trump's unnatural state. It 's not all in our heads. It 's in his.

#1 NEW YORK TIMES, WALL STREET JOURNAL, AND BOSTON GLOBE BESTSELLER • One of the most acclaimed books of our time: an unforgettable memoir about a young woman who, kept out of school, leaves her survivalist family and goes on to earn a PhD from Cambridge University “ Extraordinary . . . an act of courage and self-invention. ” —The New York Times NAMED ONE OF THE TEN BEST BOOKS OF THE YEAR BY THE NEW YORK TIMES BOOK REVIEW • ONE OF PRESIDENT BARACK OBAMA ' S FAVORITE BOOKS OF THE YEAR • BILL GATES ' S HOLIDAY READING LIST • FINALIST: National Book Critics Circle ' s Award In Autobiography and John Leonard Prize For Best First Book • PEN/Jean Stein Book Award • Los Angeles Times Book Prize Born to survivalists in the mountains of Idaho, Tara Westover was seventeen the first time she set foot in a classroom. Her family was so isolated from mainstream society that there was no one to ensure the children received an education, and no one to intervene when one of Tara ' s older brothers became violent. When another brother got himself into college, Tara decided to try a new kind of life. Her quest for knowledge transformed her, taking her over oceans and across continents, to Harvard and to Cambridge University. Only then would she wonder if she ' d traveled too far, if there was still a way home. “ Beautiful and propulsive . . . Despite the singularity of [Westover ' s] childhood, the questions her book poses are universal: How much of ourselves should we give to those we love? And how much must we betray them to grow up? ” —Vogue NAMED ONE OF THE BEST BOOKS OF THE YEAR BY The Washington Post • O: The Oprah Magazine • Time • NPR • Good Morning America • San Francisco Chronicle • The Guardian • The Economist • Financial Times • Newsday • New York Post • theSkimm • Refinery29 • Bloomberg • Self • Real Simple • Town & Country • Bustle • Paste • Publishers Weekly • Library Journal • LibraryReads • Book Riot • Pamela Paul, KQED • New York Public Library

A Short History of the World Nuclear Disarmament Movement

Rethinking the Unthinkable

Discourse, Temporality and the War on Terror

The Dangerous Case of Donald Trump

The Decade We Could Have Stopped Climate Change

Beyond the Blog with Articles, Testimony, and Scholarship

A Memoir

** Winner of the 2017 National Book Critics Circle Award * National Book Award Finalist * Time magazine Top 10 Nonfiction Book of the Year * New York Times Notable Book * Publishers Weekly Best Books of 2017 This “epic history” (The Boston Globe) from Pulitzer Prize-winning historian Frances*

FitzGerald is the first to tell the powerful, dramatic story of the Evangelical movement in America—from the Puritan era to the 2016 election. “We have long needed a fair-minded overview of this vitally important religious sensibility, and FitzGerald has now provided it” (The New York Times Book Review). The evangelical movement began in the revivals of the eighteenth and nineteenth centuries, known in America as the Great Awakenings. A populist rebellion against the established churches, it became the dominant religious force in the country. During the nineteenth century white evangelicals split apart, first North versus South, and then, modernist versus fundamentalist. After World War II, Billy Graham attracted enormous crowds and tried to gather all Protestants under his big tent, but the civil rights movement and the social revolution of the sixties drove them apart again. By the 1980s Jerry Falwell and other southern televangelists, such as Pat Robertson, had formed the Christian right. Protesting abortion and gay rights, they led the South into the Republican Party, and for thirty-five years they were the sole voice of evangelicals to be heard nationally. Eventually a younger generation proposed a broader agenda of issues, such as climate change, gender equality, and immigration reform. Evangelicals now constitute twenty-five percent of the American population, but they are no longer monolithic in their politics. They range from Tea Party supporters to social reformers. Still, with the decline of religious faith generally, FitzGerald suggests that evangelical churches must embrace ethnic minorities if they are to survive. “A well-written, thought-provoking, and deeply researched history that is impressive for its scope and level of detail” (The Wall Street Journal). Her “brilliant book could not have been more timely, more well-researched, more well-written, or more necessary” (The American Scholar).

Shortlisted for the Andrew Carnegie Medal for Excellence in Nonfiction Finalist for The California Book Award in Nonfiction The San Francisco Chronicle's Best of the Year List Foreign Affairs Best Books of the Year In These Times “Best Books of the Year” Huffington Post's Ten Excellent December Books List LitHub's “Five Books Making News This Week” From the legendary whistle-blower who revealed the Pentagon Papers, an eyewitness exposé of the dangers of America's Top Secret, seventy-year-long nuclear policy that continues to this day. Here, for the first time, former high-level defense analyst Daniel Ellsberg reveals his shocking firsthand account of America's nuclear program in the 1960s. From the remotest air bases in the Pacific Command, where he discovered that the authority to initiate use of nuclear weapons was widely delegated, to the secret plans for general nuclear war under Eisenhower, which, if executed, would cause the near-extinction of humanity, Ellsberg shows that the legacy of this

most dangerous arms buildup in the history of civilization--and its proposed renewal under the Trump administration--threatens our very survival. No other insider with high-level access has written so candidly of the nuclear strategy of the late Eisenhower and early Kennedy years, and nothing has fundamentally changed since that era. Framed as a memoir--a chronicle of madness in which Ellsberg acknowledges participating--this gripping exposé reads like a thriller and offers feasible steps we can take to dismantle the existing "doomsday machine" and avoid nuclear catastrophe, returning Ellsberg to his role as whistle-blower. The Doomsday Machine is thus a real-life Dr. Strangelove story and an ultimately hopeful--and powerfully important--book about not just our country, but the future of the world.

The critically acclaimed series by the renowned team of writer Geoff Johns and artist Gary Frank marches toward its conclusion. In this penultimate issue, the truth behind "Rebirth" is revealed as Batman searches for the one person he believes can help him save the world...Rorschach!

This is a timely and important book, by CND general secretary Kate Hudson. It provides detailed coverage of the inside story of six decades of CND - from the mass protests at Aldermaston and Greenham Common, to its central role in post 9/11 anti-war campaigning, to today's struggle to prevent Trident replacement and win support for the United Nations' new global ban on nuclear weapons.

Yucca Mountain and the Nation's High-level Nuclear Waste

The Evangelicals

Confronting the Bomb

Risk Criticism

The Family Fallout Shelter

Cnd At 60

An Association of Jewish Libraries Sydney Taylor Honor Winner With a masterful mix of comic timing and disarming poignancy, Newbery Honoree Eugene Yelchin offers a memoir of growing up in Cold War Russia. Drama, family secrets, and a KGB spy in his own kitchen! How will Yevgeny ever fulfill his parents' dream that he become a national hero when he doesn't even have his own room? He's not a star athlete or a legendary ballet dancer. In the tiny apartment he shares with his Baryshnikov-obsessed mother, poetry-loving father,

continually outraged grandmother, and safely talented brother, all Yevgeny has is his little pencil, the underside of a massive table, and the doodles that could change everything. With equal amounts charm and solemnity, award-winning author and artist Eugene Yelchin recounts in hilarious detail his childhood in Cold War Russia as a young boy desperate to understand his place in his family.

Based on the 2002 Revision, the Population Division has adopted 2 major innovations for this new set of long-range population projections. For the first time the long-range projections are made at the national level and the time horizon for the projections is extended to 2300.

Since 11 September 2001, the War on Terror has dominated global political life. The book takes a critical look at different ways in which the George W. Bush administration created and justified this far-reaching conflict through their use of language and other discursive practices.

Existential risk studies is a growing field that attempts to understand the greatest dangers to humanity from a scientific perspective. This book offers the first scholarly survey of existential risks, from asteroid impacts and climate change to molecular nanotechnology and machine superintelligence. It argues that avoiding an existential catastrophe should be among our highest moral priorities and analyzes a number of risk mitigation strategies to reduce the probability of a worst-case scenario. The dangers facing humanity this century are real and immense, but the future course of civilization is ultimately up to us.

Women of Abstract Expressionism

Enrique Dussel's Ethics of Liberation

The Securitization of Climate Change: Australian and United States' Military Responses (2003 - 2013)

Losing Earth

Russian Strategic Nuclear Forces

Batman (2016-) #21

A Daughter, a Father, a Cult

Deadly Arsenals provides the most up-to-date and comprehensive assessment available on global proliferation dangers, with a critical assessment of international enforcement efforts. An invaluable resource for academics, policymakers, students, and the media, this atlas includes strategic and historical analysis; maps, charts, and graphs of the spread of nuclear, chemical, and biological weapons and missile delivery systems; descriptions of the weapons and regimes--and policies to control them; and data on countries that have, want, or have given up weapons of mass destruction. A Choice outstanding academic title from one of the premier nonproliferation research teams. The new edition addresses the recent, dramatic developments in Iran, Iraq, Libya, North Korea, and the nuclear black market, analyzing strategic and policy implications. Contents: Part 1: Assessments and Weapons Part 2: Declared Nuclear-Weapon States Part 3: Non-NPT Nuclear-Weapon States Part 4: The Two Hard Cases: North Korea and Iran Part 5: Proliferation Success

Rethinking the Unthinkable examines the future direction of nuclear arms control in the post-Cold War security environment. Believing that the new environment requires a radical rethinking of the purpose and role of nuclear weapons in international politics, the contributors address many fundamental issues influencing further US, Russian and European nuclear arms reductions. This volume is a product of the Project on Rethinking Arms Control, sponsored by the Center for International and Security Studies in Maryland.

The climate change is coming. To prepare for it, we need to admit that we can ' t prevent it.

"In an atomic war, blast, heat, and initial radiation could kill millions close to ground zero of nuclear bursts. Many more millions-everybody else-could be threatened by radioactive fallout. But most of these could be saved. The purpose of this booklet is to show how to escape death from fallout. Everyone, even those far from a likely target, would need shelter from fallout. Your Federal Government has a shelter policy based on the knowledge that most of those beyond the range of blast and heat will survive if they have adequate protection from fallout."--Introduction, page 2.

The Plutocene: Blueprints for a Post-Anthropocene Greenhouse Earth

Thicker Than Oil

Times of Terror

Precautionary Reading in an Age of Environmental Uncertainty

The Struggle to Shape America

Rorschach

New Directions for Nuclear Arms Control

It's been 35 years since Ozymandias dropped a giant interdimensional squid on New York City, killing thousands and destroying the public's trust in heroes once and for all. And since that time, one figure in a fedora, mask, and trench coat has become a divisive cultural icon. So, what does it mean when Rorschach reappears as a gunman trying to assassinate a candidate running

against President Redford? Who is the man behind the mask, and why is he acting this way? Now it's up to one detective to uncover the identity of this would-be killer and expose a web of conspiracies that will change the world forever. Collects Rorschach #1-12.

By 1979, we knew all that we know now about the science of climate change - what was happening, why it was happening, and how to stop it. Over the next ten years, we had the very real opportunity to stop it. Obviously, we failed. Nathaniel Rich's groundbreaking account of that failure - and how tantalizingly close we came to signing binding treaties that would have saved us all before the fossil fuels industry and politicians committed to anti-scientific denialism - is already a journalistic blockbuster, a full issue of the New York Times Magazine that has earned favorable comparisons to Rachel Carson's *Silent Spring* and John Hersey's *Hiroshima*. Rich has become an instant, in-demand expert and speaker. A major movie deal is already in place. It is the story, perhaps, that can shift the conversation. In the book *Losing Earth*, Rich is able to provide more of the context for what did - and didn't - happen in the 1980s and, more important, is able to carry the story fully into the present day and wrestle with what those past failures mean for us in 2019. It is not just an agonizing revelation of historical missed opportunities, but a clear-eyed and eloquent assessment of how we got to now, and what we can and must do before it's truly too late.

The Oscar-shortlisted documentary *Command and Control*, directed by Robert Kenner, finds its origins in Eric Schlosser's book and continues to explore the little-known history of the management and safety concerns of America's nuclear arsenal. "A devastatingly lucid and detailed new history of nuclear weapons in the U.S. Fascinating." -Lev Grossman, *TIME Magazine* "Perilous and gripping . . . Schlosser skillfully weaves together an engrossing account of both the science and the politics of nuclear weapons safety." -San Francisco Chronicle A myth-shattering exposé of America's nuclear weapons Famed investigative journalist Eric Schlosser digs deep to uncover secrets about the management of America's nuclear arsenal. A groundbreaking account of accidents, near misses, extraordinary heroism, and technological breakthroughs, *Command and Control* explores the dilemma that has existed since the dawn of the nuclear age: How do you deploy weapons of mass destruction without being destroyed by them? That question has never been resolved-and Schlosser reveals how the combination of human fallibility and technological complexity still poses a grave risk to mankind. While the harms of global warming increasingly dominate the news, the equally dangerous yet more immediate threat of nuclear

weapons has been largely forgotten. Written with the vibrancy of a first-rate thriller, *Command and Control* interweaves the minute-by-minute story of an accident at a nuclear missile silo in rural Arkansas with a historical narrative that spans more than fifty years. It depicts the urgent effort by American scientists, policy makers, and military officers to ensure that nuclear weapons can't be stolen, sabotaged, used without permission, or detonated inadvertently. Schlosser also looks at the Cold War from a new perspective, offering history from the ground up, telling the stories of bomber pilots, missile commanders, maintenance crews, and other ordinary servicemen who risked their lives to avert a nuclear holocaust. At the heart of the book lies the struggle, amid the rolling hills and small farms of Damascus, Arkansas, to prevent the explosion of a ballistic missile carrying the most powerful nuclear warhead ever built by the United States. Drawing on recently declassified documents and interviews with people who designed and routinely handled nuclear weapons, *Command and Control* takes readers into a terrifying but fascinating world that, until now, has been largely hidden from view. Through the details of a single accident, Schlosser illustrates how an unlikely event can become unavoidable, how small risks can have terrible consequences, and how the most brilliant minds in the nation can only provide us with an illusion of control. Audacious, gripping, and unforgettable, *Command and Control* is a tour de force of investigative journalism, an eye-opening look at the dangers of America's nuclear age.

A father-daughter story that tells of the author's experience growing up in a separatist fundamentalist Christian cult, from the author of the national bestseller *Ghostwalk* Rebecca Stott grew up in in Brighton, England, as a fourth-generation member of the Exclusive Brethren, a cult that believed the world is ruled by Satan. In this closed community, books that didn't conform to the sect's rules were banned, women were subservient to men and were made to dress modestly and cover their heads, and those who disobeyed the rules were punished and shamed. Yet Rebecca's father, Roger Stott, a high-ranking Brethren minister, was a man of contradictions: he preached that the Brethren should shun the outside world, yet he kept a radio in the trunk of his car and hid copies of Yeats and Shakespeare behind the Brethren ministries. Years later, when the Stotts broke with the Brethren after a scandal involving the cult's leader, Roger became an actor, filmmaker, and compulsive gambler who left the family penniless and ended up in jail. A curious child, Rebecca spent her insular childhood asking questions about the world and trying to glean the answers from forbidden library books. Only when she was an adult and her

father was dying of cancer did she begin to understand all that had occurred during those harrowing years. It was then that Roger Stott handed her the memoir he had begun writing about the period leading up to what he referred to as the traumatic "Nazi decade," the years in the 1960s in which he and other Brethren leaders enforced coercive codes of behavior that led to the breaking apart of families, the shunning of members, even suicides. Now he was trying to examine that time, and his complicity in it, and he asked Rebecca to write about it, to expose all that was kept hidden. In the Days of Rain is Rebecca Stott's attempt to make sense of her childhood in the Exclusive Brethren, to understand her father's role in the cult and in the breaking apart of her family, and to come to be at peace with her relationship with a larger-than-life figure whose faults were matched by a passion for life, a thirst for knowledge, and a love of literature and beauty. A father-daughter story as well as a memoir of growing up in a closed-off community and then finding a way out of it, this is an inspiring and beautiful account of the bonds of family and the power of self-invention. Praise for In the Days of Rain "A marvelous, strange, terrifying book, somehow finding words both for the intensity of a childhood locked in a tyrannical secret world, and for the lifelong aftershocks of being liberated from it."—Francis Spufford, author of Golden Hill "Writers are forged in strange fires, but none stranger than Rebecca Stott's. By rights, her memoir of her father and her early childhood inside a closed fundamentalist sect obsessed by the Rapture ought to be a horror story. But while the historian in her is merciless in exposing the cruelties and corruption involved, Rebecca the child also lights up the book, existing in a world of vivid play, dreams, even nightmares, so passionate and imaginative that it helps explain how she survived, and—even more miraculous—found the compassion and understanding to do justice to the story of her father and the painful family life he created."—Sarah Dunant, author of The Birth of Venus

The Doomsday Clock At 75

Deadly Arsenals

Understanding Environmental Change

The Sustainable Development Goals and Human Rights

Enduring Questions in a Time of Rising Powers, Rogue Regimes, and Terrorism

The Doomsday Machine

A Biography of Leo Szilard, the Man Behind the Bomb

A comprehensive databook of technical and institutional facts about the Soviet and Russian nuclear arsenal.

This book is open access under a CC BY-NC 2.5 license. On April 22, 1915, the German military released 150 tons of chlorine gas at Ypres, Belgium. Carried by a long-awaited wind, the chlorine cloud passed within a few minutes through the British and French trenches, leaving behind at least 1,000 dead and 4,000 injured. This chemical attack, which amounted to the first use of a weapon of mass destruction, marks a turning point in world history. The preparation as well as the execution of the gas attack was orchestrated by Fritz Haber, the director of the Kaiser Wilhelm Institute for Physical Chemistry and Electrochemistry in Berlin-Dahlem. During World War I, Haber transformed his research institute into a center for the development of chemical weapons (and of the means of protection against them). Bretislav Friedrich and Martin Wolf (Fritz Haber Institute of the Max Planck Society, the successor institution of Haber's institute) together with Dieter Hoffmann, Jürgen Renn, and Florian Schmaltz (Max Planck Institute for the History of Science) organized an international symposium to commemorate the centenary of the infamous chemical attack. The symposium examined crucial facets of chemical warfare from the first research on and deployment of chemical weapons in WWI to the development and use of chemical warfare during the century hence. The focus was on scientific, ethical, legal, and political issues of chemical weapons research and deployment — including the issue of dual use — as well as the ongoing effort to control the possession of chemical weapons and to ultimately achieve their elimination. The volume consists of papers presented at the symposium and supplemented by additional articles that together cover key aspects of chemical warfare from 22 April 1915 until the summer of 2015.

The official U.S. government report on Russian interference in democracy around the world! Most Americans were surprised to learn of Russian efforts to manipulate the results of the 2016 presidential election, and have become increasingly concerned about the vulnerabilities of our democracy. Here for the first time in an official U.S. government report is the fascinating and detailed account of how ex-KGB agent Vladimir Putin has used computer hackers, official state spy agencies, and even Russian organized crime thugs over the past thirty years to achieve his policy agenda?not only for Russian political domination, but also for his own enrichment and the enrichment of the oligarchs who control almost all aspects of the Russian economy. This complete report includes chapters on: Putin's Rise and Motivations Manipulation and Repression Inside Russia Old Active Measures and Modern Malign Influence Operations Weaponization of Civil Society, Ideology, Culture, Crime, and Energy Kremlin Interference in Semi-Consolidated Democracies and Transitional Governments Kremlin Interference in Consolidated Democracies Multilateral and U.S. efforts to Counter the Kremlin's Asymmetric Arsenal In Putin's Asymmetric Assault on Democracy in Russia and Europe, we learn about Vladimir Putin's rise to power through the KGB to mayor of St. Petersburg and eventually as head of the Russian state. We discover the history of how Putin used classic Cold War KGB tactics by weaponizing civil society, culture, ideology, and

Russia's criminal element against the nascent Russian democracy by cultivating and using ties to NGOs, thinktanks, extremist political groups, the Russian orthodox church, industrial and energy policy, and the Russian Mafia. We also see how the Kremlin then exported this political extortion, intimidation, and monetary corruption first to its Eastern European neighbors, then their western partners in the European Union, and how it has now landed on America's shores. Just as certain people in the intelligence community became increasingly alarmed at the growing strength and sophistication of Al-Qaeda in the late 1990s, the senators and staffers of the U.S. Senate Committee on Foreign Relations are giving the nation fair warning of a 9/11-level assault on the United States, this time by Russia's spy agencies. Putin's Asymmetric Assault on Democracy in Russia and Europe reveals not only the history of Russia's devastating tactics, but how to recognize and counter them. A compelling and timely debut novel from an assured new voice: Three-Fifths is about a biracial black man, passing for white, who is forced to confront the lies of his past while facing the truth of his present when his best friend, just released from prison, involves him in a hate crime. Pittsburgh, 1995. The son of a black father he's never known, and a white mother he sometimes wishes he didn't, twenty-two year-old Bobby Saraceno has passed for white his entire life. Raised by his bigoted maternal grandfather, Bobby has hidden the truth about his identity from everyone, even his best friend and fellow comic-book geek, Aaron, who has just returned home from prison a newly radicalized white supremacist. Bobby's disparate worlds crash when, during the night of their reunion, Bobby witnesses Aaron mercilessly assault a young black man with a brick. Fearing for his safety and his freedom, Bobby must keep the secret of his mixed race from Aaron and conceal his unwitting involvement in the crime from the police. But Bobby's delicate house of cards crumbles when his father enters his life after more than twenty years, forcing his past to collide with his present. Three-Fifths is a story of secrets, identity, violence and obsession with a tragic conclusion that leaves all involved questioning the measure of a man, and was inspired by the author's own experiences with identity as a biracial man during his time as a student in Pittsburgh amidst the simmering racial tension produced by the L.A. Riots and the O.J. Simpson trial in the mid-nineties.

America's Uneasy Partnership with Saudi Arabia

Implications for U.S. National Security

Nuclear, Biological, and Chemical Threats

Command and Control

A Critical Early Review

Nuclear Weapons, the Damascus Accident, and the Illusion of Safety

Growing Up Behind the Iron Curtain

The Forgiving Air is a refreshingly readable account of our efforts to understand Earth's global environment and our impact in it.

“THE BUTTON” part one! The cataclysmic events of DC UNIVERSE: REBIRTH #1 continue here! The Dark Knight and The Fastest Man Alive, the two greatest detectives on any world, unite to explore the mystery behind a certain blood-stained smiley button embedded in the Batcave wall. What starts as a simple investigation turns deadly when the secrets of the button prove irresistible to an unwelcome third party—and it’s not who anyone suspects! It’s a mystery woven through time, and the ticking clock starts here!

Go beyond TaoSecurity Blog with this new volume from author Richard Bejtlich. In the first three volumes of the series, Mr. Bejtlich selected and republished the very best entries from 18 years of writing and over 18 million blog views, along with commentaries and additional material. In this title, Mr. Bejtlich collects material that has not been published elsewhere, including articles that are no longer available or are stored in assorted digital or physical archives. Volume 4 offers early white papers that Mr. Bejtlich wrote as a network defender, either for technical or policy audiences. It features posts from other blogs or news outlets, as well as some of his written testimony from eleven Congressional hearings. For the first time, Mr. Bejtlich publishes documents that he wrote as part of his abandoned war studies PhD program. This last batch of content was only available to his advisor, Dr. Thomas Rid, and his review committee at King's College London. Read how the security industry, defensive methodologies, and strategies to improve national security have evolved in this new book, written by one of the authors who has seen it all and survived to blog about it.

Risk Criticism is a study of literary and cultural responses to global environmental risk in an age of unfolding ecological catastrophe. In 2015, the Bulletin of the Atomic Scientists reset its iconic Doomsday Clock to three minutes to midnight, as close to the apocalypse as it has been since 1953. What pushed its hands was not just the threat of nuclear weapons, but also other global environmental risks that the Bulletin judged to have risen to the scale of the nuclear, including climate change and innovations in the life sciences. If we may once have believed that the end of days would come in a blaze of nuclear firestorm, we now suspect that the apocalypse may be much slower, creeping in as chemical toxins, climate change, or nano-technologies run amok. Taking inspiration from the questions raised by the Bulletin’s synecdochical “nuclear,” Risk Criticism aims to generate a hybrid form of critical practice that brings “nuclear criticism” into conversation with ecocriticism. Through readings of novels, films, theater, poetry, visual art, websites, news reports, and essays, Risk Criticism tracks the diverse ways in which environmental risks are understood and represented today.

The Genius Under the Table

Morality, Foresight, and Human Flourishing

Rhet Ops

Putin's Asymmetric Assault on Democracy in Russia and Europe