

Download Ebook The Year Without Summer 1816 And Volcano That Darkened World Changed History William K Klingaman

# **The Year Without Summer 1816 And Volcano That Darkened World Changed History William K Klingaman**

KrakatoaThe Last ManThe Darkest YearWhy the Earth QuakesAbraham Lincoln and the Second American Revolution1816The Year Without SummerFire Mountains of the IslandsThe Year Without SummerThe House Without a SummerThe Year of No SummerThe Summer That Never WasPrometheus UnboundStory of My Life, Volumes 1-3The Climate of LondonWithout a SummerVolcano WeatherA Year Without a WinterVolcanoes in Human HistorySuper VolcanoThe Swiss Family RobinsonThe Palgrave Handbook of Climate HistorySaints: The Story of the Church of Jesus Christ in the Latter Days: Volume 2Volcanism and Global Environmental ChangeVolcanoes of the World1816Byron in GenevaCatastropheThe Year Without a SummerBiographical Sketches of Joseph Smith, the Prophet, and His Progenitors for Many GenerationsIsland on FireEruptions that Shook the WorldThe VampyreCrossroads of FreedomDark WinterThe Year Without Summer the New Novel from the Author of the Words in My HandTambora and the Year without a SummerWild NotesWhen Humans Nearly VanishedClimatic Changes Since 1700

## **Krakatoa**

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### **The Last Man**

The year is 1816, in Northamptonshire. A red, spiderwebbed haze covers the sun. Temperatures drop, fields flood and freeze, grain rots on the stem. The people are starving, and even the wealthy and titled are affected by shortages. Sickness spreads as a red fungus overtakes fields, seals over windows, and infiltrates cellars. On the way back from the Napoleonic Wars in France, Marcus, the younger son of the Earl of Penderbrook, returns to find his brother dead, the estate covered in fungus, and his father sinking into madness. The last thing Marcus wants to do is be responsible for Penderbrook; he wants only to spend the rest of his life playing cards, drinking, and seducing other men's wives. But even the responsible life of an heir escapes from his grasp, as his brother's body disappears, his father turns violent, and pale monsters horrify the countryside. As Marcus pieces together the truth, he discovers a past more tainted with evil than he could have suspected. From the family wine cellar to the folly behind the house—from the pond where he played as a child to the new cotton mill built along the stream—None of what happens at Penderbrook is innocent. And the monstrosities that have been committed may still be carried in Marcus's blood?

### **The Darkest Year**

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In 1816, the climate went berserk. The winter brought extreme cold, and torrential rains unleashed massive flooding in Asia. Western Europe and North America experienced a 'year without a summer', while failed harvests in 1817 led to the 'year of famine'. At the time, nobody knew that all these disturbances were the result of a single event: the eruption of Mount Tambora in what is now Indonesia – the greatest volcanic eruption in recorded history. In this book, leading climate historian Wolfgang Behringer provides the first globally comprehensive account of a climate catastrophe that would cast the world into political and social crises for years to come. Concentrating on the period between 1815 and 1820, Behringer shows how this natural occurrence led to worldwide unrest. Analysing events as diverse as the persecution of Jews in Germany, the Peterloo Massacre in the United Kingdom, witch hunts in South Africa and anti-colonial uprisings in Asia, Behringer demonstrates that no region on earth was untouched by the effects of the eruption. Drawing parallels with our world today, Tambora and its aftermath become a case study for how societies and individuals respond to climate change, what risks emerge and how they might be overcome. This comprehensive account of the impact of one of the greatest environmental disasters in human history will be of interest to a wide readership and to anyone seeking to understand better how we might mitigate the effects of climate change.

### **Why the Earth Quakes**

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When the volcano Tambora erupted in Indonesia in 1815, as many as 100,000 people perished as a result of the blast and an ensuing famine caused by the destruction of rice fields on Sumbawa and neighboring islands. Gases and dust particles ejected into the atmosphere changed weather patterns around the world, resulting in the infamous "year without a summer" in North America, food riots in Europe, and a widespread cholera epidemic. And the gloomy weather inspired Mary Shelley to write the gothic novel Frankenstein. This book tells the story of nine such epic volcanic events, explaining the related geology for the general reader and exploring the myriad ways in which the earth's volcanism has affected human history. Zeilinga de Boer and Sanders describe in depth how volcanic activity has had long-lasting effects on societies, cultures, and the environment. After introducing the origins and mechanisms of volcanism, the authors draw on ancient as well as modern accounts--from folklore to poetry and from philosophy to literature. Beginning with the Bronze Age eruption that caused the demise of Minoan Crete, the book tells the human and geological stories of eruptions of such volcanoes as Vesuvius, Krakatau, Mount Pelée, and Tristan da Cunha. Along the way, it shows how volcanism shaped religion in Hawaii, permeated Icelandic mythology and literature, caused widespread population migrations, and spurred scientific discovery. From the prodigious eruption of Thera more than 3,600 years ago to the relative burp of Mount St. Helens in 1980, the results of volcanism attest to the enduring connections between geology and human destiny. Some images inside the book are unavailable due to digital copyright restrictions.

## **Abraham Lincoln and the Second American Revolution**

### **1816**

It was a catastrophe without precedent in recorded history: for months on end, starting in A.D. 535, a strange, dusky haze robbed much of the earth of normal sunlight. Crops failed in Asia and the Middle East as global weather patterns radically altered. Bubonic plague, exploding out of Africa, wiped out entire populations in Europe. Flood and drought brought ancient cultures to the brink of collapse. In a matter of decades, the old order died and a new world—essentially the modern world as we know it today—began to emerge. In this fascinating, groundbreaking, totally accessible book, archaeological journalist David Keys dramatically reconstructs the global chain of revolutions that began in the catastrophe of A.D. 535, then offers a definitive explanation of how and why this cataclysm occurred on that momentous day centuries ago. The Roman Empire, the greatest power in Europe and the Middle East for centuries, lost half its territory in the century following the catastrophe. During the exact same period, the ancient southern Chinese state, weakened by economic turmoil, succumbed to invaders from the north, and a single unified China was born. Meanwhile, as restless tribes swept down from the central Asian steppes, a new religion known as Islam spread

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through the Middle East. As Keys demonstrates with compelling originality and authoritative research, these were not isolated upheavals but linked events arising from the same cause and rippling around the world like an enormous tidal wave. Keys's narrative circles the globe as he identifies the eerie fallout from the months of darkness: unprecedented drought in Central America, a strange yellow dust drifting like snow over eastern Asia, prolonged famine, and the hideous pandemic of the bubonic plague. With a superb command of ancient literatures and historical records, Keys makes hitherto unrecognized connections between the "wasteland" that overspread the British countryside and the fall of the great pyramid-building Teotihuacan civilization in Mexico, between a little-known "Jewish empire" in Eastern Europe and the rise of the Japanese nation-state, between storms in France and pestilence in Ireland. In the book's final chapters, Keys delves into the mystery at the heart of this global catastrophe: Why did it happen? The answer, at once surprising and definitive, holds chilling implications for our own precarious geopolitical future. Wide-ranging in its scholarship, written with flair and passion, filled with original insights, Catastrophe is a superb synthesis of history, science, and cultural interpretation.

### **The Year Without Summer**

Traces a year of dramatic global change in the aftermath of a massive early nineteenth-century Indonesian volcanic eruption that disrupted weather patterns

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and triggered food shortages, religious revivals, migrations, and a typhus epidemic.

### **Fire Mountains of the Islands**

Various historic volcanoes, and the ability to survive them. It includes the Toba volcano, from Indonesia.

### **The Year Without Summer**

This handbook offers the first comprehensive, state-of-the-field guide to past weather and climate and their role in human societies. Bringing together dozens of international specialists from the sciences and humanities, this volume describes the methods, sources, and major findings of historical climate reconstruction and impact research. Its chapters take the reader through each key source of past climate and weather information and each technique of analysis; through each historical period and region of the world; through the major topics of climate and history and core case studies; and finally through the history of climate ideas and science. Using clear, non-technical language, The Palgrave Handbook of Climate History serves as a textbook for students, a reference guide for specialists and an introduction to climate history for scholars and interested readers.

## **The House Without a Summer**

This book brings together science fiction, history, visual art, and exploration to reframe the relationship among climate, crisis, and creation. *A Year Without a Winter* presents stories by four renowned science fiction authors alongside critical essays, extracts from Mary Shelley's *Frankenstein*, and dispatches from extreme geographies.

## **The Year of No Summer**

Climate change has been a perplexing problem for years. In *Dark Winter*, author John L. Casey, a former White House national space policy advisor, NASA headquarters consultant, and space shuttle engineer tells the truth about ominous changes taking place in the climate and the Sun. Casey's research into the Sun's activity, which began almost a decade ago, resulted in discovery of a solar cycle that is now reversing from its global warming phase to that of dangerous global cooling for the next thirty years or more. This new cold climate will dramatically impact the world's citizens. In *Dark Winter*, he provides evidence of the following:

- The end of global warming
- The beginning of a "solar hibernation," a historic reduction in the energy output of the Sun
- A long-term drop in Earth's temperatures
- The start of the next climate change to decades of dangerously

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cold weather • The high probability of record earthquakes and volcanic eruptions A sobering look at Earth's future, Dark Winter predicts worldwide, crop-destroying cold; food shortages and riots in the United States and abroad; significant global loss of life; and social, political, and economic upheaval.

### **The Summer That Never Was**

\*Includes pictures \*Includes contemporary accounts of the eruption and the environmental effects \*Includes online resources and a bibliography for further reading "On my trip towards the western part of the island, I passed through nearly the whole of Dampo and a considerable part of Bima. The extreme misery to which the inhabitants have been reduced is shocking to behold. There were still on the road side the remains of several corpses, and the marks of where many others had been interred: the villages almost entirely deserted and the houses fallen down, the surviving inhabitants having dispersed in search of food." - Lt. Philips at Sumbawa In many ways history is the story of human beings trying to control their destinies by overcoming the effects of their physical surroundings. As too many have learned, the best they could often do was cope with nature, and the various natural disasters produced around the globe. Consider, for example, the year 1816, known as the "Year Without a Summer," which found the working poor in both Europe and America facing starvation caused by factors that few, if any, of them understood. They only knew that the time for planting, the longed for and

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planned for last days of winter, never came. Farmers who had been growing the same crops for decades began to be curious when, in April of that year, the snow still fell. By the first of May, they were outright concerned. In the weeks that followed, each faced a critical decision: go forward and plant as usual, trusting that the sun would again warm the earth, or continue to wait. In the end, their decisions made little difference, except perhaps that those who waited could survive a little longer by eating the seeds they had been saving. For in 1816, the seeds planted in the ground to sprout and grow usually did neither, because temperatures were never warm enough to nurture their progress. Instead, most lay dormant, while those hardier varieties did finally push their ways to the earth's surface, only to have the life frozen out of them by cold winds unabated by the sun's warmth. As the prolonged crisis went on, people around the planet tried to come to grips with what was happening. Preachers spoke of God's judgment, while farmers stood and prayed for relief, but neither group knew the truth: the cause of their misfortune lay not at their own doorsteps but thousands of miles away on an island they had never heard of. In this case, their destiny had been decided on the island of Sumbawa in Indonesia, thanks to a big volcano known as Mount Tambora. In one of the strongest volcanic explosions in recorded history, Mount Tambora in April 1815 and sent enough ash and dust into the air to block out some of the sun's warmth around the globe for nearly the next two years. In the aftermath of the April 1815 explosion, the summer of 1816 witnessed crops freeze in the fields and be buried under snow. Indian corn, a hardy staple of the early American diet, barely

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produced, and hay and wheat failed to grow. Traditional summer vegetables, such as cucumbers and tomatoes, failed to grow at all, leaving people severely deficient in the vitamins they produced. Animals and humans alike would go hungry, as there was less food for each. Ultimately, those who survived would tell stories of the desperate time, and speak with wonder about the fact that they had survived at all to tell their tales. The Year Without a Summer: The History and Legacy of the 1815 Eruption of Mount Tambora chronicles the immediate and long term effects of one of history's most important volcanic eruptions. Along with pictures of important people, places, and events, you will learn about the Year Without a Summer like never before.

### **Prometheus Unbound**

'A STRIKINGLY SHARP AND SUBTLE WRITER' Guardian 'SUPERBBEAUTIFULLY WRITTENUNFORGETTABLE' FT Weekend 'SKILFUL' Sunday Times 'RICH, INTRICATE, IMPRESSIVELY REALISED' Observer 'VIVIDLY REALISED' The Times 'A VISION OF THE PAST AND A VISION OF THE FUTURE' Irish Times 'A VIVID SLICE OF HISTORICAL FICTION' Sunday Express 1815, Sumbawa Island, Indonesia Mount Tambora explodes in a cataclysmic eruption, killing thousands. Sent to investigate, ship surgeon Henry Hogg can barely believe his eyes. Once a paradise, the island is now solid ash, the surrounding sea turned to stone. But worse is yet to come: as the ash cloud rises and covers the sun, the seasons will fail. 1816 In Switzerland,

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Mary Shelley finds dark inspiration. Confined inside by the unseasonable weather, thousands of famine refugees stream past her door. In Vermont, preacher Charles Whitlock begs his followers to keep faith as drought dries their wells and their livestock starve. In Suffolk, the ambitious and lovesick painter John Constable struggles to reconcile the idyllic England he paints with the misery that surrounds him. In the Fens, farm labourer Sarah Hobbs has had enough of going hungry while the farmers flaunt their wealth. And Hope Peter, returned from the Napoleonic wars, finds his family home demolished and a fence gone up in its place. He flees to London, where he falls in with a group of revolutionaries who speak of a better life, whatever the cost. As desperation sets in, Britain becomes beset by riots - rebellion is in the air. The Year Without Summer is the story of the books written, the art made; of the journeys taken, of the love longed for and the lives lost during that fateful year. Six separate lives, connected only by an event many thousands of miles away. Few had heard of Tambora - but none could escape its effects.

'VIVID, VIBRANT, HARD TO PUT DOWN' Hilary Spurling 'THOUGHT-PROVOKING, BEAUTIFULLY WRITTEN AND VERY COMPELLING' Harriet Tye 'INGENIOUS AND ABSORBING' Kirsty Wark 'ASTONISHING, RIVETING, MASTERFUL, POETIC' Emily Rapp Black 'A WORLDWIDE CANVAS BROUGHT TO LIFE IN VIVID, HEARTBREAKING DETAIL' Marianne Kavanagh

### **Story of My Life, Volumes 1-3**

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The proposed book is not only a tribute to the work of Brückner (and indeed also a personal tribute, since Brückner wrote his book at the Institute of Geography of the University of Bern), but references to Brückner's book are also a conceptual tool in the proposed book, though used sparingly and thoughtfully. Apart from providing historical context, references may facilitate introducing some complex topics, for instance by first presenting Brückner's view and then complementing the picture with today's understanding. References can be used for contrast: Comparing Brückner's methods and data with today's research concepts makes the progress in the field easily understandable. The enormous growth of information since Brückner's time allows a much more detailed perspective on some scientific problems. Or references can be used to highlight similarity. Some aspects have not changed over time. Finally, the book complements Brückner's studies by adding the arguably most interesting and certainly most relevant period, the past 120 years.

### **The Climate of London**

A multidisciplinary volume describing the effects of volcanism on the environment, past and present, for researchers and advanced students.

### **Without a Summer**

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Examines the influence of the eruption of the Indonesian volcano, Mount Tambora, on the weather conditions in Europe and New England.

### **Volcano Weather**

In her new leather-bound journal, 11-year-old Sarah Whipple records the events of the memorable year 1816, when "the year without a summer" threatens the livelihoods of people in the fictitious Maine coastal town of Parsons Cove.

### **A Year Without a Winter**

Volcanic eruptions have killed thousands of people and damaged homes, villages, infrastructure, subsistence gardens, and hunting and fishing grounds in Papua New Guinea and the Solomon Islands. The central business district of a town was destroyed by a volcanic eruption in the case of Rabaul in 1994. Volcanic disasters litter not only the recent written history of both countries—particularly Papua New Guinea—but are recorded in traditional stories as well. Furthermore, evidence for disastrous volcanic eruptions many times greater than any witnessed in historical times is to be found in the geological record. Volcanic risk is greater today than at any time previously because of larger, mainly sedentary populations on or near volcanoes in both countries. An attempt is made in this book to review what is

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known about past volcanic eruptions and disasters with a view to determining how best volcanic risk can be reduced today in this tectonically complex and volcanically threatening region.

### **Volcanoes in Human History**

#### **Super Volcano**

Discusses the nature of earthquakes and volcanoes, examines past occurrences, and reveals up-to-date measures that are currently taken to protect against their destructive power

#### **The Swiss Family Robinson**

Saints, Vol. 2: No Unhallowed Hand covers Church history from 1846 through 1893. Volume 2 narrates the Saints' expulsion from Nauvoo, their challenges in gathering to the western United States and their efforts to settle Utah's Wasatch Front. The second volume concludes with the dedication of the Salt Lake Temple.

#### **The Palgrave Handbook of Climate History**

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Luke Howard published this work of statistics on weather conditions in London in two volumes, in 1818 and 1820.

### **Saints: The Story of the Church of Jesus Christ in the Latter Days: Volume 2**

James McPherson has emerged as one of America's finest historians. *Battle Cry of Freedom*, his Pulitzer Prize-winning account of the Civil War, was a national bestseller that Hugh Brogan, in *The New York Times Book Review*, called "history writing of the highest order." In that volume, McPherson gathered in the broad sweep of events, the political, social, and cultural forces at work during the Civil War era. Now, in *Abraham Lincoln and the Second American Revolution*, he offers a series of thoughtful and engaging essays on aspects of Lincoln and the war that have rarely been discussed in depth. McPherson again displays his keen insight and sterling prose as he examines several critical themes in American history. He looks closely at the President's role as Commander-in-Chief of the Union forces, showing how Lincoln forged a national military strategy for victory. He explores the importance of Lincoln's great rhetorical skills, uncovering how--through parables and figurative language--he was uniquely able to communicate both the purpose of the war and a new meaning of liberty to the people of the North. In another section, McPherson examines the Civil War as a Second American Revolution,

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describing how the Republican Congress elected in 1860 passed an astonishing blitz of new laws (rivaling the first hundred days of the New Deal), and how the war not only destroyed the social structure of the old South, but radically altered the balance of power in America, ending 70 years of Southern power in the national government. The Civil War was the single most transforming and defining experience in American history, and Abraham Lincoln remains the most important figure in the pantheon of our mythology. These graceful essays, written by one of America's leading historians, offer fresh and unusual perspectives on both.

### **Volcanism and Global Environmental Change**

The Darkest Year is acclaimed author William K. Klingaman's narrative history of the American home front from December 7, 1941 through the end of 1942, a psychological study of the nation under the pressure of total war. For Americans on the home front, the twelve months following the Japanese attack on Pearl Harbor comprised the darkest year of World War Two. Despite government attempts to disguise the magnitude of American losses, it was clear that the nation had suffered a nearly unbroken string of military setbacks in the Pacific; by the autumn of 1942, government officials were openly acknowledging the possibility that the United States might lose the war. Appeals for unity and declarations of support for the war effort in the aftermath of Pearl Harbor made it appear as though the class hostilities and partisan animosities that had beset the United States for decades —

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and grown sharper during the Depression — suddenly disappeared. They did not, and a deeply divided American society splintered further during 1942 as numerous interest groups sought to turn the wartime emergency to their own advantage. Blunders and repeated displays of incompetence by the Roosevelt administration added to the sense of anxiety and uncertainty that hung over the nation. The Darkest Year focuses on Americans' state of mind not only through what they said, but in the day-to-day details of their behavior. Klingaman blends these psychological effects with the changes the war wrought in American society and culture, including shifts in family roles, race relations, economic pursuits, popular entertainment, education, and the arts.

### **Volcanoes of the World**

In 1816, following the scandalous collapse of his marriage, Lord Byron left England forever. His first destination was the Villa Diodati by Lake Geneva where he stayed together with Percy Bysshe Shelley, Mary Godwin, Claire Clairmont and John Polidori. Byron in Geneva focuses sharply on the poet's life in the summer of that year, a famous time for meteorologists (for whom 1816 is the year without a summer), but also that crucial moment in the development of his writing when, urged on by Shelley, Byron tried to transform himself into a Romantic poet of the Wordsworthian variety. The book gives a vivid impression of what Byron thought and felt in these few months after the breakdown of his marriage, but also explores

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the different aspects of his nature that emerge in contact with a remarkable cast of supporting characters, which also included Madame de Staël, who presided over a famous salon in Coppet, across the lake from Geneva, and Matthew Lewis, author of the splendidly erotic `Gothic' best-seller, *The Monk*. David Ellis sets out to challenge recent damning studies of Byron and through his meticulous exploration of the private and public life of the poet at this pivotal moment, he reasserts the value of Byron's wit, warm-heartedness, and hatred of cant.

### **1816**

Simon Winchester's brilliant chronicle of the destruction of the Indonesian island of Krakatoa in 1883 charts the birth of our modern world. He tells the story of the unrecognized genius who beat Darwin to the discovery of evolution; of Samuel Morse, his code and how rubber allowed the world to talk; of Alfred Wegener, the crack-pot German explorer and father of geology. In breathtaking detail he describes how one island and its inhabitants were blasted out of existence and how colonial society was turned upside-down in a cataclysm whose echoes are still felt to this day.

### **Byron in Geneva**

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The year 1816 found America on the cusp of political, social, cultural, and economic modernity. Celebrating its fortieth year of independence, the country's sense of self was maturing. Americans, who had emerged from the War of 1812 with their political system intact, embraced new opportunities. For the first time, citizens viewed themselves not as members of a loose coalition of states but as part of a larger union. This optimism was colored, however, by bizarre weather. Periods of extreme cold and severe drought swept the northern states and the upper south throughout 1816, often referred to as The Year Without a Summer. Faced with thirty-degree summer temperatures, many farmers migrated west in search of better weather and more fertile farmlands. In 1816, historian C. Edward Skeen illuminates this unique year of national transition. Politically, the era of good feelings allowed Congress to devise programs that fostered prosperity. Social reform movements flourished. This election year found the Federalist party in its death throes, seeking cooperation with the nationalistic forces of the Republican party. Movement west, maturation of political parties, and increasingly conte

### **Catastrophe**

Up-and-coming fantasist Mary Robinette Kowal enchanted fans with her novels *Shades of Milk and Honey* and *Glamour in Glass*, which introduced Regency glamourists Jane and David Vincent. In *Without a Summer*, Jane and Vincent take a break from their international travels. But in a world where magic is real,

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nothing—even the domestic sphere—is quite what it seems. After a dramatic trip to Belgium, Jane and Vincent go to Long Parkmeade to spend time with Jane's family, but quickly turn restless. The spring is unseasonably cold, and no one wants to be outside. Mr. Ellsworth is concerned by the harvest, since a poor one may imperil Melody's dowry. And Melody has concerns of her own, given an inadequate selection of eligible bachelors locally. When Jane and Vincent receive a commission from a prominent London family, they take it, and bring Melody with them. They hope the change of scenery will do her good and her marriage prospects—and mood—will be brighter in London. Talk here frequently turns to increased unemployment of coldmongers and riots in nearby villages by Luddites concerned that their way of life is becoming untenable. With each passing day, it's more difficult to avoid getting embroiled in the intrigue, which does not really help Melody's chances for romance. It doesn't take long for Jane to Vincent realize that in addition to arranging a wedding, they must take on one small task: solving a crisis of national proportions. At the Publisher's request, this title is being sold without Digital Rights Management Software (DRM) applied.

### **The Year Without a Summer**

Laki is Iceland's largest volcano. Its eruption in 1783 is one of history's great, untold natural disasters. Spewing out sun-blocking ash and then a poisonous fog for eight long months, the effects of the eruption lingered across the world for

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years. It caused the deaths of people as far away as the Nile and created catastrophic conditions throughout Europe. Island on Fire is the story not only of a single eruption but the people whose lives it changed, the dawn of modern volcanology, as well as the history and potential of other super-volcanoes like Laki around the world. And perhaps most pertinently, in the wake of the eruption of another Icelandic volcano, Eyjafjallajökull, which closed European air space in 2010, acclaimed science writers Witze and Kanipe look at what might transpire should Laki erupt again in our lifetime.

### **Biographical Sketches of Joseph Smith, the Prophet, and His Progenitors for Many Generations**

On April 10th, 1815, Indonesia's Mount Tambora erupted. The resulting build-up of ash in the stratosphere altered weather patterns and led, in 1816, to a year without summer. Instead, there were June snowstorms, food shortages, epidemics, inventions, and the proliferation of new cults and religious revivals. Hauntingly meaningful in today's climate crisis, Lebowitz's lyric essay charts the events and effects of that apocalyptic year. Weaving together history, mythology, and memoir, *The Year of No Summer* ruminates on weather, war, and our search for God and meaning in times of disaster.

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### **Island on Fire**

In 1815, a supervolcanic eruption led to the extraordinary 'Year Without Summer' in 1816: a massive climate disruption causing famine, poverty and riots. Snow fell in August. Lives, both ordinary and privileged, changed forever. Mary Shelley wrote Frankenstein. The artist, John Constable, sought refuge in Suffolk. As crops failed, the dispossessed rose up in rebellion, threatening to burn the old order to the ground. 1815, Sumbawa Island, Indonesia Mount Tambora explodes in a cataclysmic eruption, killing thousands. Sent to investigate, ship surgeon Henry Hogg can barely believe his eyes. Once a paradise, the island is now solid ash, the surrounding sea turned to stone. But worse is yet to come as the ash cloud rises and covers the sun, the seasons will fail. 1816. In Switzerland, Mary Shelley finds dark inspiration. Confined inside by the unseasonable weather, thousands of famine refugees stream past her door. In Vermont, preacher Charles Whitlock begs his followers to keep faith as drought dries their wells and their livestock starve. In Britain, the ambitious and lovesick painter John Constable struggles to reconcile the idyllic England he paints with the misery that surrounds him. In the Fens, farm labourer Sarah Hobbs has had enough of going hungry while the farmers flaunt their wealth. And Hope Peter, returned from the Napoleonic wars, finds his family home demolished and a fence gone up in its place. He flees to London, where he falls in with a group of revolutionaries who speak of a better life, whatever the cost. As desperation sets in, Britain becomes racked with riots - rebellion is in the

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air. For fans of David Mitchell and Andrew Miller, THE YEAR WITHOUT SUMMER tells the story of a fateful year when temperatures fell and the summer failed to arrive. It is a story of the books written, the art made; of the journeys taken, of the love longed for and the lives lost. Six separate lives, connected only by an event many thousands of miles away. Few had heard of Tambora - but none could escape its effects.

### **Eruptions that Shook the World**

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part of keeping this knowledge alive and relevant.

### **The Vampyre**

Pulitzer Prize-winning historian McPherson offers a masterful portrait of the bloodiest single day in American history, the Battle of Antietam, fought on September 17, 1862.

### **Crossroads of Freedom**

Wild Notes chronicles several year's worth of daily observations written in a logbook style by a regular guy who happens to be a bird watcher, among other things. In the tradition of wilderness junkies like Ed Abbey, Annie Dillard and even that odd old hermit, Thoreau, the author is hooked on the elemental kick that starts with an easy-going interest in birds and goes beyond to an interest in all fleeting things. Bird watching, once considered a gentle hobby, is now known to be a wilderness adventure enjoyed by rough and ready men and women of all ages. Hard-muscled, hard-bitten, bug-bitten explorers who bushwhack trackless wilds. Or ordinary folk who stalk neighborhood nature trails. Whichever kind you are, you're out to find animals that are not only accessible, but entirely wild. They could be avian migrants newly arrived from a South American jungle to spend summer with

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you. Or winter vagrants that flew across a thousand-mile tundra to visit your neck of the woods. Birds, like uninhibited thoughts, go where they want. From them you can acquire a "life list" of sightings, but you can also get insights that would never have occurred if you hadn't lost yourself in the woods for a bit to stalk things that fly in and out of your life. Throughout "Wild Notes," the date shown on the left page indicates a true moment in time. The right page explains what happened then: what was seen, thought about and what was worth sharing with you.

### **Dark Winter**

Alan Banks must return home and face the greatest fear of his childhood. The Summer That Never Was is Peter Robinson's thirteenth novel in the Inspector Banks series, which became the major British ITV drama DCI Banks.

### **The Year Without Summer the New Novel from the Author of the Words in My Hand**

Despite growing evidence of geothermic activity under America's first and foremost national park, it took geologists a long time to realize that there was actually a volcano beneath Yellowstone. And then, why couldn't they find the caldera or crater? Because, as an aerial photograph finally revealed, the caldera is

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45 miles wide, encompassing all of Yellowstone. What will happen, in human terms, when it erupts? Greg Breining explores the shocking answer to this question and others in a scientific yet accessible look at the enormous natural disaster brewing beneath the surface of the United States. Yellowstone is one of the world's five "super volcanoes." When it erupts, much of the nation will be hit hard. Though historically Yellowstone has erupted about every 600,000 years, it has not done so for 630,000, meaning it is 30,000 years overdue. Starting with a scenario of what will happen when Yellowstone blows, this fascinating study describes how volcanoes function and includes a timeline of famous volcanic eruptions throughout history.

### **Tambora and the Year without a Summer**

What does it take for a volcanic eruption to really shake the world? Did volcanic eruptions extinguish the dinosaurs, or help humans to evolve, only to decimate their populations with a super-eruption 73,000 years ago? Did they contribute to the ebb and flow of ancient empires, the French Revolution and the rise of fascism in Europe in the 19th century? These are some of the claims made for volcanic cataclysm. Volcanologist Clive Oppenheimer explores rich geological, historical, archaeological and palaeoenvironmental records (such as ice cores and tree rings) to tell the stories behind some of the greatest volcanic events of the past quarter of a billion years. He shows how a forensic approach to volcanology reveals the

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richness and complexity behind cause and effect, and argues that important lessons for future catastrophe risk management can be drawn from understanding events that took place even at the dawn of human origins.

### **Wild Notes**

#### **When Humans Nearly Vanished**

#### **Climatic Changes Since 1700**

This apocalyptic tale by the author of *Frankenstein* envisions a future world devastated by plague. Misunderstood by contemporary readers, Mary Shelley's 1826 precursor to the science fiction novel has reemerged to critical acclaim.

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