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THE INVENTION OF AIR

A STORY OF SCIENCE, FAITH, REVOLUTION,
AND THE BIRTH OF AMERICA

"A Founding Father long forgotten...More than two hundred years after America's founding, the principal characters and their roles have been largely assigned. But in *The Invention of Air*, Steven Johnson argues that [Joseph Priestley was] a key player—the United States' original advocate for hope and change."

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STEVEN
JOHNSON

AUTHOR OF *THE GHOST MAP*

The Invention Of Air Steven Johnson

A Loxley



The Invention Of Air Steven Johnson:

The Invention of Air Steven Johnson, 2008-12-26 From the bestselling author of *How We Got To Now* The Ghost Map and *Farsighted* a new national bestseller the exhilarating Los Angeles Times story of Joseph Priestley a founding father long forgotten Newsweek and a brilliant man who embodied the relationship between science religion and politics for America's Founding Fathers In *The Invention of Air* national bestselling author Steven Johnson tells the fascinating story of Joseph Priestley scientist and theologian protégé of Benjamin Franklin friend of Thomas Jefferson an eighteenth century radical thinker who played pivotal roles in the invention of ecosystem science the discovery of oxygen the uses of oxygen scientific experimentation the founding of the Unitarian Church and the intellectual development of the United States As he did so masterfully in *The Ghost Map* Steven Johnson uses a dramatic historical story to explore themes that have long engaged him innovative strategies intellectual models and the way new ideas emerge and spread and the environments that foster these breakthroughs

The Invention of Air Stephen T Johnson, 2009-10-29 In 1794 Joseph Priestley amateur scientist ordained minister and radical thinker set sail for America to escape persecution Steven Johnson tells his incredible story the discovery of oxygen the invention of a science the founding of a church and with the great minds of his time the development of the United States itself But Priestley's revolutionary ideas put him in terrible danger Johnson uses the progress of Priestley and his colleagues not merely to describe the wonder of discovery but to show us how we have come to understand the world how far we have travelled with the power of human enquiry and how one man's curiosity can help build an entire country

How We Got To Now Steven Johnson, 2018-10-16 Did you drink a glass of water today Did you turn on a light Did you think about how miraculous either one of those things is when you did it Of course not but you should and New York Times bestselling author Steven Johnson has This adaptation of his adult book and popular PBS series explores the fascinating and interconnected stories of innovations like clean drinking water and electricity that changed the way people live Innovation starts with a problem whose solution sets in motion all kinds of unexpected discoveries That's why you can draw a line from pendulums to punching the clock at a factory from ice blocks to summer movie blockbusters from clean water to computer chips In the lively storytelling style that has made him a popular bestselling author Steven Johnson looks at how accidental genius brilliant mistakes and unintended consequences shape the way we live in the modern world Johnson's long zoom approach connects history geography politics and scientific advances with the deep curiosity of inventors or quirky interests of tinkerers to show how innovation truly comes about His fascinating account is organized into six topics glass cold sound clean time light Johnson's fresh exploration of these simple single syllable word concepts creates an endlessly absorbing story that moves from lightning strikes in the prehistoric desert to the herculean effort to literally raise up the city of Chicago to laser labs straight out of a sci fi movie In other words it's the story of how we got to now

Where Good Ideas Come From Steven Johnson, 2010-10-05 A fascinating deep dive on innovation from the New York Times bestselling author of *How*

We Got To Now and Unexpected Life The printing press the pencil the flush toilet the battery these are all great ideas But where do they come from What kind of environment breeds them What sparks the flash of brilliance How do we generate the breakthrough technologies that push forward our lives our society our culture Steven Johnson s answers are revelatory as he identifies the seven key patterns behind genuine innovation and traces them across time and disciplines From Darwin and Freud to the halls of Google and Apple Johnson investigates the innovation hubs throughout modern time and pulls out the approaches and commonalities that seem to appear at moments of originality

Air's Appearance Jayne Elizabeth Lewis,2024-05-31 In *Air's Appearance* Jayne Elizabeth Lewis enlists her readers in pursuit of the elusive concept of atmosphere in literary works She shows how diverse conceptions of air in the eighteenth century converged in British fiction producing the modern literary sense of atmosphere and moving novelists to explore the threshold between material and immaterial worlds *Air's Appearance* links the emergence of literary atmosphere to changing ideas about air and the earth s atmosphere in natural philosophy as well as to the era s theories of the supernatural and fascination with social manners or as they are now known airs Lewis thus offers a striking new interpretation of several standard features of the Enlightenment the scientific revolution the decline of magic character based sociability and the rise of the novel that considers them in terms of the romance of air that permeates and connects them As it explores key episodes in the history of natural philosophy and in major literary works like *Paradise Lost* *The Rape of the Lock* *Robinson Crusoe* and *The Mysteries of Udolpho* this book promises to change the atmosphere of eighteenth century studies and the history of the novel

Wonderland Steven Johnson,2017-11-14 A house of wonders itself *Wonderland* inspires grins and well what d ya know The New York Times Book Review From the New York Times bestselling author of *How We Got to Now* and *Extra Life* a look at the world changing innovations we made while keeping ourselves entertained This lushly illustrated history of popular entertainment takes a long zoom approach contending that the pursuit of novelty and wonder is a powerful driver of world shaping technological change Steven Johnson argues that throughout history the cutting edge of innovation lies wherever people are working the hardest to keep themselves and others amused Johnson s storytelling is just as delightful as the inventions he describes full of surprising stops along the journey from simple concepts to complex modern systems He introduces us to the colorful innovators of leisure the explorers proprietors showmen and artists who changed the trajectory of history with their luxurious wares exotic meals taverns gambling tables and magic shows In *Wonderland* Johnson compellingly argues that observers of technological and social trends should be looking for clues in novel amusements You ll find the future wherever people are having the most fun

Extra Life Steven Johnson,2021-05-11 Offers a useful reminder of the role of modern science in fundamentally transforming all of our lives President Barack Obama on Twitter An important book Steven Pinker The New York Times Book Review The surprising and important story of how humans gained what amounts to an extra life from the bestselling author of *How We Got to Now* and *Where Good Ideas Come From* In 1920 at the end of the last major

pandemic global life expectancy was just over forty years Today in many parts of the world human beings can expect to live more than eighty years As a species we have doubled our life expectancy in just one century There are few measures of human progress more astonishing than this increased longevity Extra Life is Steven Johnson's attempt to understand where that progress came from telling the epic story of one of humanity's greatest achievements How many of those extra years came from vaccines or the decrease in famines or seatbelts What are the forces that now keep us alive longer Behind each breakthrough lies an inspiring story of cooperative innovation of brilliant thinkers bolstered by strong systems of public support and collaborative networks and of dedicated activists fighting for meaningful reform But for all its focus on positive change this book is also a reminder that meaningful gaps in life expectancy still exist and that new threats loom on the horizon as the COVID 19 pandemic has made clear How do we avoid decreases in life expectancy as our public health systems face unprecedented challenges What current technologies or interventions that could reduce the impact of future crises are we somehow ignoring A study in how meaningful change happens in society Extra Life celebrates the enduring power of common goals and public resources and the heroes of public health and medicine too often ignored in popular accounts of our history This is the sweeping story of a revolution with immense public and personal consequences the doubling of the human life span

Fifty Inventions That Shaped the Modern Economy Tim Harford, 2018-08-28
NAMED A BEST BOOK OF 2017 by BLOOMBERG BUSINESSWEEK THE FINANCIAL TIMES AND AMAZON Look out for Tim's next book The Data Detective A lively history seen through the fifty inventions that shaped it most profoundly by the bestselling author of The Undercover Economist and Messy Who thought up paper money What was the secret element that made the Gutenberg printing press possible And what is the connection between The Da Vinci Code and the collapse of Lehman Brothers Fifty Inventions That Shaped the Modern Economy paints an epic picture of change in an intimate way by telling the stories of the tools people and ideas that had far reaching consequences for all of us From the plough to artificial intelligence from Gillette's disposable razor to IKEA's Billy bookcase bestselling author and Financial Times columnist Tim Harford recounts each invention's own curious surprising and memorable story Invention by invention Harford reflects on how we got here and where we might go next He lays bare often unexpected connections how the bar code undermined family corner stores and why the gramophone widened inequality In the process he introduces characters who developed some of these inventions profited from them and were ruined by them as he traces the principles that helped explain their transformative effects The result is a wise and witty book of history economics and biography

The Scribnerian and the Kit-Cats, 2008

Where Good Ideas Come from Steven Johnson, 2010 From a coral reef teeming with life to the instant success of YouTube the author explores what kind of environment fosters the development of good ideas identifying the seven key principles for generating great notions By the author of Everything Bad Is Good for You

[The Publishers Weekly](#), 1900

Farsighted Steven Johnson, 2018-09-04 The hardest choices are also the most consequential So why do we know so

little about how to get them right Big life altering decisions matter so much more than the decisions we make every day and they re also the most difficult where to live whom to marry what to believe whether to start a company how to end a war There s no one size fits all approach for addressing these kinds of conundrums Steven Johnson s classic *Where Good Ideas Come From* inspired creative people all over the world with new ways of thinking about innovation In *Farsighted* he uncovers powerful tools for honing the important skill of complex decision making While you can t model a once in a lifetime choice you can model the deliberative tactics of expert decision makers These experts aren t just the master strategists running major companies or negotiating high level diplomacy They re the novelists who draw out the complexity of their characters inner lives the city officials who secure long term water supplies and the scientists who reckon with future challenges most of us haven t even imagined The smartest decision makers don t go with their guts Their success relies on having a future oriented approach and the ability to consider all their options in a creative productive way Through compelling stories that reveal surprising insights Johnson explains how we can most effectively approach the choices that can chart the course of a life an organization or a civilization *Farsighted* will help you imagine your possible futures and appreciate the subtle intelligence of the choices that shaped our broader social history [Future Perfect](#) Steven Johnson,2012-09-18 From the New York Times bestselling author of *How We Got To Now* *Farsighted* and *Extra Life* Combining the deft social analysis of *Where Good Ideas Come From* with the optimistic arguments of *Everything Bad Is Good For You* New York Times bestselling author Steven Johnson s *Future Perfect* makes the case that a new model of political change is on the rise transforming everything from local governments to classrooms from protest movements to health care Johnson paints a compelling portrait of this new political worldview influenced by the success and interconnectedness of the Internet by peer networks but not dependent on high tech solutions that breaks with the conventional categories of liberal or conservative public vs private thinking With his acclaimed gift for multi disciplinary storytelling and big idea books Johnson explores this new vision of progress through a series of fascinating narratives from the miracle on the Hudson to the planning of the French railway system from the battle against malnutrition in Vietnam to a mysterious outbreak of strange smells in downtown Manhattan from underground music video artists to the invention of the Internet itself At a time when the conventional wisdom holds that the political system is hopelessly gridlocked with old ideas *Future Perfect* makes the timely and inspiring case that progress is still possible and that innovative strategies are on the rise This is a hopeful affirmative outlook for the future from one of the most brilliant and inspiring visionaries of contemporary culture **Braille Book Review** ,2010 **Prospect** ,2009 [Emergence](#) Steven Johnson,2002-09-10 In the groundbreaking tradition of *Complexity* and *The Society of Mind* visionary guru Johnson makes sense of the cutting edge theory of emergence and demonstrates its relevance in today s and tomorrow s world Illustrations **Laser Focus World** ,2009 Global electro optic technology and markets Photonics technologies solutions for technical professionals worldwide *The New York Times Index* ,2009 **Everything Bad is**

Good for You Steven Johnson, 2006-05-02 From the New York Times bestselling author of *How We Got To Now* and *Farsighted* Forget everything you've ever read about the age of dumbed down instant gratification culture In this provocative unfailingly intelligent thoroughly researched and surprisingly convincing big idea book Steven Johnson draws from fields as diverse as neuroscience economics and media theory to argue that the pop culture we soak in every day from *Lord of the Rings* to *Grand Theft Auto* to *The Simpsons* has been growing more sophisticated with each passing year and far from rotting our brains is actually posing new cognitive challenges that are actually making our minds measurably sharper After reading *Everything Bad is Good for You* you will never regard the glow of the video game or television screen the same way again With a new afterword by the author [The New Yorker](#) ,2008

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