



Our Grandchildren *REDESIGNED*

LIFE IN THE BIOENGINEERED
SOCIETY OF THE NEAR FUTURE

Michael R.

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Our Grandchildren Redesigned Bioengineered Society

Sherryl Vint, Sümeyra Buran



Our Grandchildren Redesigned Bioengineered Society:

Our Grandchildren Redesigned Michael Bess, 2016-09-06 A panoramic overview of biotechnologies that can endlessly boost human capabilities and the drastic changes these superhuman traits could trigger. Biotechnology is moving fast. In the coming decades, advanced pharmaceuticals, bioelectronics, and genetic interventions will be used not only to heal the sick but to boost human physical and mental performance to unprecedented levels. People will have access to pills that make them stronger and faster. Informatic devices will interface seamlessly with the human brain, and epigenetic modification may allow people to reshape their own physical and mental identities at will. Until recently, such major technological watersheds like the development of metal tools or the industrialization of manufacturing came about incrementally over centuries or longer. People and social systems had time to adapt; they gradually developed new values, norms, and habits to accommodate the transformed material conditions. But contemporary society is dangerously unprepared for the dramatic changes it is about to experience down this road on which it is already advancing at an accelerating pace. The results will no doubt be mixed. People will live longer, healthier lives; will fine-tune their own thought processes and will generate staggeringly complex and subtle forms of knowledge and insight. But these technologies also threaten to widen the rift between rich and poor, to generate new forms of social and economic division, and to force people to engage in constant cycles of upgrades and boosts merely to keep up. Individuals who boost their traits beyond a certain threshold may acquire such extreme capabilities that they will no longer be recognized as unambiguously human. In this important and timely book, prize-winning historian Michael Bess provides a clear, nontechnical overview of cutting-edge biotechnology and paints a vivid portrait of a near future society in which bioenhancement has become a part of everyday life. He surveys the ethical questions raised by the enhancement enterprise and explores the space for human agency in dealing with the challenges that these technologies will present. Headed your way over the coming decades, new biotechnologies that can powerfully alter your body and mind. The possibilities are tantalizing: Rejuvenation therapies offering much longer lives, 160 and even beyond, in full vigor and mental acuity. Cognitive enhancement through chemical or bioelectronic means, the rough equivalent of doubling or tripling IQ scores. Epigenetic tools for altering some of your genetically influenced traits at any point in your lifetime. Body shape, athletic ability, intelligence, personality. Bioelectronic devices for modulating your own brain processes, including your pleasure centers, a potentially non-stop high. Direct control of machines by thought and perhaps direct communication with other people. Brain-to-brain, a new dimension of sharing and intimacy. But some of the potential consequences are also alarming. A growing rift between the biologically enhanced and those who can't afford such modifications. A constant cycle of upgrades and boosts as the bar of normal rises ever higher. Humans 95, Humans XP, Humans 8. The fragmentation of humankind into rival bioenhancement clusters. A gradually blurring boundary between person and product. Extreme forms of self-modification with some individuals no longer recognized as unambiguously human.

AI Shepherds and Electric Sheep Sean

O'Callaghan, Paul A. Hoffman, 2025-03-18 Since ChatGPT burst into the public consciousness in 2022 AI has thoroughly infiltrated everyday life. Machines can now take on work once thought to be solely the domain of human beings from writing college essays to composing worship music. How should Christians respond to this brave new technology? In this accessible introduction to AI, Sean O'Callaghan and Paul Hoffman explore its social and ethical impacts for ministry and teaching. The authors shed light on the biblical vision for human flourishing and on how AI can help or hinder that flourishing. Avoiding both alarmism and uncritical acceptance, O'Callaghan and Hoffman offer resources and practical tools for using AI in our classrooms and congregations. AI can write a generic three-point sermon, but it cannot replace an authentic encounter between humans and the divine. In a time of cultural confusion, O'Callaghan and Hoffman encourage readers to embrace the clarity found in the gospel. The book includes a foreword by A. Trevor Sutton. *Biotechnology: Scientific Advancement Versus Public Safety*. Conrad B. Quintyn, 2022-10-07. In this book, Dr. Quintyn considers whether genetic engineering will exacerbate social injustices and/or lead to public safety issues. As designer babies mature, will they feel a sense of superiority or pass on mutations that negatively affect future generations? Should we ignore the risk of zoonotic animal diseases because they offer potential benefits for reducing organ shortages? Scientific advancement, if not guided responsibly and with public input, can be detrimental to public safety. This book is unique as it encompasses many biotechnologies within the definition of biotechnology. It gives a balanced view of biotechnology: its promise as evidenced in repairing mutations (i.e., genetic editing) and its dangers evidenced in creating unintentionally dangerous microbes or unregulated germline editing and cloning. Additionally, this book includes animals in biotechnological research because the success advances techniques and science of genetic engineering could not have occurred without using animals and microorganisms (insects, plants as model organisms). A comprehensive description of the CRISPR system in bacteria and the exploitation of this knowledge in creating the CRISPR-Cas9 technology is also incorporated in this read. The author's overall goal is to discuss other biotechnology that is being used to improve and put at risk the health, environment, and safety of humans, giving the book a competitive edge. Furthermore, the book provides a provocative side in challenging scientists to consider the current belief governing research and development, which is that scientific advancement and public safety create a false dichotomy. *How to be Childless*. Rachel Chrastil, 2020. In *How to Be Childless: A History and Philosophy of Life Without Children*, Rachel Chrastil explores the long and fascinating history of childlessness, putting this often overlooked legacy in conversation with the issues that childless women and men face in the twenty-first century. Eschewing two dominant narratives that the childless are either barren and alone or that they are carefree and selfish, *How to Be Childless* instead argues that the lives of childless individuals from the past can help all of us expand our range of possibilities for the good life. In uncovering the voices and experiences of childless women from the past five hundred years, Chrastil demonstrates that the pathways to childlessness so often simplified as choice and circumstance are far more complex and interweaving. Balanced, deeply researched, and richly

realized How to be Childless will empower readers parents and childless alike to navigate their lives with purpose

Our Biosocial Brains Michele K. Lewis,2020-07-07 In *Our Biosocial Brains* Michele Lewis underscores culture brain behavior and social problems to advocate for a more inclusive cultural neuroscience Traditional neuroscientists to date have not prioritized studying the impact of power bias and injustice on neural processing and the brain s perception of marginalized humans Lewis explains current events historical events and scientific studies in *Our Biosocial Brains* Readers will be drawn to the relevancy of brain science to examples of injustices and social bias Lewis also argues that incorporating non western African Centered Psychology is vital to diversifying research questions and diversifying interpretations of existing brain science because African Centered Psychology is not rooted in racist classist and exclusionary hegemonic methods Lewis argues for attention to marginalized populations regarding the impact of violence disrespect othering slurs environmental injustice health and general disregard on humans brains and behavior Using hundreds of peer reviewed studies and original research the author presents scientific studies that are integrated with sociocultural explanations to foster wider understanding of how our sociocultural world shapes our brains and how our brains responses influence how humans perceive and treat one another

Simple and Free Jen Hatmaker,2022-03-29 Why do we pursue more when we d be happier with less In this updated edition of 7 New York Times bestselling author Jen Hatmaker tells the story of how she and her family tried to combat overindulgence and what they learned along the way about living a truly meaningful life *Simple and Free* is the true story of how Jen Hatmaker along with her family identified seven areas of excess food clothes spending media possessions waste and stress and made seven simple choices to fight back against the modern day diseases of greed materialism and overindulgence So what s the payoff from living a deeply reduced life It s the discovery of a greatly increased connection with God a call toward simplicity and generosity that transcends social experiment to become a radically better life In this new edition written not just for readers of faith but for everyone who craves a gentler simpler life Hatmaker shares how sustainability and generosity still impact and challenge her today Annotated throughout with new reflections from the author this book offers thoughtful insights on the vastly different world of *Simple and Free* from back when it was first published as 7 and considers the dramatically different space Hatmaker occupies now *Simple and Free* is funny raw and not a guilt trip in the making Come along and discover what Jesus version of rich blessed and generous might look like in your life

Planet in Peril Michael Bess,2022-10-13 Exploration of the top four mega dangers facing humankind and plots a hopeful path to dealing with them through global governance

[Planet in Peril Planetary Dangers : Planetary Solutions](#) Michael D. Bess,2022-10-13 Written by an award winning historian of science and technology *Planet in Peril* describes the top four mega dangers facing humankind climate change nukes pandemics and artificial intelligence It outlines the solutions that have been tried and analyzes why they have thus far fallen short These four existential dangers present a special kind of challenge that urgently requires planet level responses yet today s international institutions have so

far failed to meet this need The book lays out a realistic pathway for gradually modifying the United Nations over the coming century so that it can become more effective at coordinating global solutions to humanity s problems Neither optimistic nor pessimistic but pragmatic and constructive the book explores how to move past ideological polarization and global political fragmentation Unafraid to take intellectual risks Planet in Peril sketches a plausible roadmap toward a safer more democratic future for us all Brain Science for Lawyers, Judges, and Policymakers Owen D. Jones,Jeffrey D. Schall,Francis X. Shen,Morris B. Hoffman,Anthony D. Wagner,2024 This book provides a user friendly introduction to the fundamentals of neuroscience for lawyers advocates judges legal academics and policymakers Atheistic Platonism Eric Charles Steinhart,2022-11-30 Atheistic Platonism is an alternative to both theism and nihilistic atheism It shows how any jobs allegedly done by God are better done by impersonal Platonic objects Without Platonic objects atheism degenerates into an illogical nihilism Atheistic Platonism instead provides reality with foundations that are eternal necessary rational beautiful and utterly mindless It argues for a plenitude of mathematical objects and an infinite plurality of possible universes It provides mindless rational grounds for objective values and for objective moral laws for the persons who evolve in universes It defines a meaningful way of life which facilitates self improvement Atheistic Platonists argue for computational theories of life after death Atheistic Platonism includes a rich system of spiritual symbols It values transformational practices and ecstatic experiences Where atheisms based on materialism fail atheisms based on Platonism succeed **The Political Economy of Robots** Ryan Kiggins,2017-09-16 This collection examines implications of technological automation to global prosperity and peace Focusing on robots information communication technologies and other automation technologies it offers brief interventions that assess how automation may alter extant political social and economic institutions norms and practices that comprise the global political economy In doing so this collection deals directly with such issues as automated production trade war state sanctioned robot violence financial speculation transnational crime and policy decision making This interdisciplinary volume will appeal to students scholars and practitioners grappling with political economic and social problems that arise from rapid technological change that automates the prospects for human prosperity and peace How Democracy Survives Michael Holm,R. S. Deese,2022-12-26 How Democracy Survives explores how liberal democracy can better adapt to the planetary challenges of our time by evolving beyond the Westphalian paradigm of the nation state The authors bring perspectives from Africa Asia Europe Latin America and North America their chapters engaging with the concept of transnational democracy by tracing its development in the past assessing its performance in the present and considering its potential for survival in this century and beyond Coming from a wide array of intellectual disciplines and policymaking backgrounds the authors share a common conviction that our global institutions both governments and international organizations must become more resilient transparent and democratically accountable in order to address the cascading political economic and social crises of this new epoch such as climate change mass migration more frequent and

severe natural disasters and resurgent authoritarianism This book will be relevant for courses in international relations and political science environmental politics and the preservation of democracy and federalism around the world The Open Access version of this book available at www.taylorfrancis.com has been made available under a Creative Commons Attribution Non Commercial No Derivatives 4.0 license Thanks to the support of libraries working with Knowledge Unlatched www.knowledgeunlatched.org

Biotechnology and Genetic Engineering Willy Gibson & Clem Koch, 2019-11-07 Biotechnology and Genetic Engineering is an important reference tool for students teachers physicians science and technical writers and anyone looking for a concise source of current information on this fast breaking field Biotechnology is the study of science which have discussed over many years but on the other hand Genetic Engineering is the premature and young branch of science which has many milestones to achieve Biotechnology deals with a set of biological techniques developed through basic research and now applied to research and product development It is the means or way of manipulating life forms organisms to provide desirable products for man's use For example beekeeping and cattle breeding could be considered to be biotechnology related endeavors Basically Genetic Engineering is the modern modification and subspecialty of the branch of science called biotechnology It deals and concerned with the specific and targeted modifications of the genetic material of bacteria and plants to stimulate them synthesize or biosynthesize desired products Genetic Engineering is helping a lot to attain the results which are so much beneficial and helpful to the mankind either it implies the genetic engineering of plants or animals or to microbes to help and improve the quality and quantity of food sometimes Production associated with food items as well as drugs continues to be the principle exercise carried out by means of genetic engineering This book covers all of the fundamental principles of the modern topics and has been presented in a very simple manner for self study and provides comprehensive coverage of the standard topics

The New Eugenics Conrad B. Quintyn Ph.D., 2020-12-17 The specter of early twentieth century eugenics with its goal of preventing the unfit from reproducing through forced sterilization still haunts us in this era of genetic engineering Conrad B Quintyn an associate professor of biological anthropology at Bloomsburg University Bloomsburg Pennsylvania calls this the new eugenics era because geneticists have begun to explore ways to prevent and repair defective genes in all humans In this book he considers whether genetic engineering will exacerbate social injustices and or lead to a public safety issue For instance in 2012 virologists in the U S and the Netherlands genetically engineered avian bird flu to be more transmissible between mammals These scientists argued that virus transmission between mammals enables us to make vaccines to prevent pandemics They never considered what would happen if the virus accidentally escaped the laboratory Meanwhile some scientists are experimenting with designer babies altering genes to remove diseases and even programming certain traits Join the author as he considers whether scientists are playing God as well as the risks we face by altering genetics in *The New Eugenics*

The Oxford Handbook of Schopenhauer Robert L. Wicks, 2020 This collection of thirty one essays encompasses Schopenhauer's central contributions

his influences and the scope of his impact especially on the arts and philosophy Six sections cover the wide range of his thought including its connection to religion ethics and art as well as his influence and legacy **The Political Economy of Robots** Ryan David Kiggins,2025-08-31 This collection examines implications of technological automation to global prosperity and peace Focusing on robots information communication technologies and other automation technologies it offers brief interventions that assess how automation may alter extant political social and economic institutions norms and practices that comprise the global political economy In doing so this collection deals directly with such issues as automated production trade war state sanctioned robot violence financial speculation transnational crime and policy decision making This interdisciplinary volume will appeal to students scholars and practitioners grappling with political economic and social problems that arise from rapid technological change that automates the prospects for human prosperity and peace

Genetically Engineered Foods Armando Mills,2019-08-13 Genetically modified foods are foods derived from genetically modified organisms have had specific changes introduced into their DNA by genetic engineering techniques The main aim of genetically modified crops is to produce a food that is able to survive even if any harmful chemicals or pesticides or herbicides are sprayed Genetically engineered foods have had their DNA changed using genes from other plants or animals Scientists take the gene for a desired trait in one plant or animal and they insert that gene into a cell of another plant or animal Genetic engineering can be done with plants animals or bacteria and other very small organisms Genetic engineering allows scientists to move desired genes from one plant or animal into another Genes can also be moved from an animal to a plant or vice versa Genetic engineering also helps speed up the process of creating new foods with desired traits Genetically modified material sounds a little bit like science fiction territory but in reality much of what we eat on a daily basis is a genetically modified organism Whether or not these modified foods are actually healthy is still up for debate and many times you don't even know that you are buying something genetically modified The book will be of help to researcher in the field of agriculture crop improvement biotechnology etc It will also be helpful to teachers and students for better understanding of the subject **Technologies of Feminist Speculative Fiction** Sherryl Vint,Sümeýra Buran,2022-05-04 Technologies of

Feminist Speculative Fiction Gender Artificial Life and the Politics of Reproduction explores how much technology has reshaped feminist conversations in the decades since Donna Haraway's influential Cyborg Manifesto was published With sections exploring reproductive technologies new ways of imagining femininity and motherhood via artificial means queer readings of gender as a social technology and posthuman visions of a world beyond gender this book demonstrates how feminist speculative fiction offers an urgently needed response to the intersections of women's bodies and technology This collection brings together authors from Europe Japan the US and the UK to consider speculative films and texts reproductive technologies and food futures and opportunities to rethink family aging gender and sexuality and community through feminist speculative fiction a social technology for building better futures *Transformed States* Martin

Halliwell,2024-11-15 Transformed States offers a timely history of the politics ethics medical applications and cultural representations of the biotechnological revolution from the Human Genome Project to the COVID 19 pandemic In exploring the entanglements of mental and physical health in an age of biotechnology it views the post Cold War 1990s as the horizon for understanding the intersection of technoscience and culture in the early twenty first century The book draws on original research spanning the presidencies of George H W Bush and Joe Biden to show how the politics of science and technology shape the medical uses of biotechnology Some of these technologies reveal fierce ideological conflicts in the arenas of cloning reproduction artificial intelligence longevity gender affirmation vaccination and environmental health Interweaving politics and culture the book illustrates how these health issues are reflected in and challenged by literary and cinematic texts from Oryx and Crake to Annihilation and from Gattaca to Avatar By assessing the complex relationship between federal politics and the biomedical industry Transformed States develops an ecological approach to public health that moves beyond tensions between state governance and private enterprise To that end Martin Halliwell analyzes thirty years that radically transformed American science medicine and policy positioning biotechnology in dialogue with fears and fantasies about an emerging future in which health is ever more contested Along with the two earlier books Therapeutic Revolutions 2013 and Voices of Mental Health 2017 Transformed States is the final volume of a landmark cultural and intellectual history of mental health in the United States journeying from the combat zones of World War II to the global emergency of COVID 19

Artificial You Susan Schneider,2021-04-13 Humans may not be Earth s most intelligent beings for much longer the world champions of chess Go and Jeopardy are now all AIs Given the rapid pace of progress in AI many predict that it could advance to human level intelligence within the next several decades From there it could quickly outpace human intelligence What do these developments mean for the future of the mind In Artificial You Susan Schneider says that it is inevitable that AI will take intelligence in new directions but urges that it is up to us to carve out a sensible path forward As AI technology turns inward reshaping the brain as well as outward potentially creating machine minds it is crucial to beware Homo sapiens as mind designers will be playing with tools they do not understand how to use the self the mind and consciousness Schneider argues that an insufficient grasp of the nature of these entities could undermine the use of AI and brain enhancement technology bringing about the demise or suffering of conscious beings To flourish we must grasp the philosophical issues lying beneath the algorithms At the heart of her exploration is a sober minded discussion of what AI can truly achieve Can robots really be conscious Can we merge with AI as tech leaders like Elon Musk and Ray Kurzweil suggest Is the mind just a program Examining these thorny issues Schneider proposes ways we can test for machine consciousness questions whether consciousness is an unavoidable byproduct of sophisticated intelligence and considers the overall dangers of creating machine minds Provided by publisher

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