

DIGITAL RUBBISH

a natural history of electronics

Jennifer Gabrys



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Nicole Starosielski, Janet Walker



Digital Rubbish A Natural History Of Electronics Jennifer Gabrys:

Digital Rubbish Jennifer Gabrys, 2013-04-26 This is a study of the material life of information and its devices of electronic waste in its physical and electronic incarnations a cultural and material mapping of the spaces where electronics in the form of both hardware and information accumulate break down or are stowed away Where other studies have addressed digital technology through a focus on its immateriality or virtual qualities Gabrys traces the material spatial cultural and political infrastructures that enable the emergence and dissolution of these technologies In the course of her book she explores five interrelated spaces where electronics fall apart from Silicon Valley to Nasdaq from containers bound for China to museums and archives that preserve obsolete electronics as cultural artifacts to the landfill as material repository *Digital Rubbish A Natural History of Electronics* describes the materiality of electronics from a unique perspective examining the multiple forms of waste that electronics create as evidence of the resources labor and imaginaries that are bundled into these machines Ranging across studies of media and technology as well as environments geography and design Jennifer Gabrys draws together the far reaching material and cultural processes that enable the making and breaking of these technologies

Media and the Ecological Crisis Richard Maxwell, Jon Raundalen, Nina Lager Vestberg, 2014-10-03 *Media and the Ecological Crisis* is a collaborative work of interdisciplinary writers engaged in mapping understanding and addressing the complex contribution of media to the current ecological crisis The book is informed by a fusion of scholarly practitioner and activist interests to inform educate and advocate for real environmentally sound changes in design policy industrial and consumer practices Aligned with an emerging area of scholarship devoted to identifying and analysing the material physical links of media technologies cultural production and environment it contributes to the project of greening media studies by raising awareness of media technology s concrete environmental effects , **The Game Needs to Change** Patrick Prax, Clayton Whittle, Trevin York, 2025-11-17 This book shows how games can play their part in addressing climate change and how we can sustainably make games for sustainability Based on both industry practice and research the chapters within this book give voice to those who are working on sustainability in and through gaming From the ways we make games to the ways we design them to resonate with players these perspectives offer pragmatic recommendations and concrete starting points for working toward sustainability showing you how to get started no matter your role Divided into four sections the first section covers systemic approaches to this work covering how change can occur at all levels of scale Section 2 explores how stories are told toward sustainable futures across organized communities emerging markets journalism and more Section 3 critically examines ways of integrating sustainability messaging into games with practical reflections from developers and researchers on the challenges and strategies unique to this context Finally Section 4 highlights individuals who bring theory into action with personal stories demonstrating what it means to be a game developer dedicated to sustainability This book will appeal to game makers who want to address sustainability through the content and message of

their creative work as well as to members of the wider game industry working toward more sustainable practices including representatives of industry organizations publishers platforms and policymakers It will also be of interest to game design and development researchers academics and students eager to learn more about integrating sustainability into both processes and outcomes

Critical Theory at a Crossroads Stijn De Cauwer, 2018-07-31 We are living in an age of crisis or an age in which everything is labeled a crisis Financial debt and refugee crises have erupted The word has also been applied to the Arab Spring and its aftermath Brexit the 2016 U S election and many other international events Yet the term has contradictory political and strategic meanings for those challenging power structures and those seeking to preserve them For critics of the status quo can the rhetoric of crisis be used to foment urgency around issues like climate change and financialization or does framing a situation as a crisis play into the hands of the existing political order which then seeks to tighten the leash by creating a state of emergency Critical Theory at a Crossroads presents conversations with prominent theorists about the crises that have marked the past years the protest movements that have risen up in response and the use of the term in political discourse Tariq Ali Rosi Braidotti Wendy Brown Maurizio Lazzarato Angela McRobbie Jean Luc Nancy Antonio Negri Jacques Rancière Saskia Sassen and Joseph Vogl offer their views on contemporary challenges and how we might address them candidly discussing the alternatives that new social movements have offered alongside an exchange between Zygmunt Bauman and Roberto Esposito on theories of community Sparring over crucial developments in these past years of catastrophe and the calamity of everyday life under capitalism they shed light on how crises and the discourse of crisis can both obscure and reveal fundamental aspects of modern societies

Numbered Lives Jacqueline Wernimont, 2019-01-01 A feminist media history of quantification uncovering the stories behind the tools and technologies we use to count measure and weigh our lives and realities Anglo American culture has used media to measure and quantify lives for centuries Historical journal entries map the details of everyday life while death registers put numbers to life's endings Today we count our daily steps with fitness trackers and quantify births and deaths with digitized data How are these present day methods for measuring ourselves similar to those used in the past In this book Jacqueline Wernimont presents a new media history of western quantification uncovering the stories behind the tools and technologies we use to count measure and weigh our lives and realities Numbered Lives is the first book of its kind a feminist media history that maps connections not only between past and present day quantum media but between media tracking and long standing systemic inequalities Wernimont explores the history of the pedometer mortality statistics and the census in England and the United States to illuminate the entanglement of Anglo American quantification with religious imperial and patriarchal paradigms In Anglo American culture Wernimont argues counting life and counting death are sides of the same coin one that has always been used to render statistics of life and death more valuable to corporate and state organizations Numbered Lives enumerates our shared media history helping us understand our digital culture and inheritance

Decomposed Kyle

Devine,2019-10-15 The hidden material histories of music Music is seen as the most immaterial of the arts and recorded music as a progress of dematerialization an evolution from physical discs to invisible digits In *Decomposed* Kyle Devine offers another perspective He shows that recorded music has always been a significant exploiter of both natural and human resources and that its reliance on these resources is more problematic today than ever before Devine uncovers the hidden history of recorded music what recordings are made of and what happens to them when they are disposed of Devine s story focuses on three forms of materiality Before 1950 78 rpm records were made of shellac a bug based resin Between 1950 and 2000 formats such as LPs cassettes and CDs were all made of petroleum based plastic Today recordings exist as data based audio files Devine describes the people who harvest and process these materials from women and children in the Global South to scientists and industrialists in the Global North He reminds us that vinyl records are oil products and that the so called vinyl revival is part of petrocapiatalism The supposed immateriality of music as data is belied by the energy required to power the internet and the devices required to access music online We tend to think of the recordings we buy as finished products Devine offers an essential backstory He reveals how a range of apparently peripheral people and processes are actually central to what music is how it works and why it matters *Sustainable Media* Nicole Starosielski,Janet Walker,2016-02-19

Sustainable Media explores the many ways that media and environment are intertwined from the exploitation of natural and human resources during media production to the installation and disposal of media in the landscape from people s engagement with environmental issues in film television and digital media to the mediating properties of ecologies themselves Edited by Nicole Starosielski and Janet Walker the assembled chapters expose how the social and representational practices of media culture are necessarily caught up with technologies infrastructures and environments Through in depth analyses of media theories practices and objects including cell phone towers ecologically themed video games Geiger counters for registering radiation and sound waves traveling through the ocean contributors question the sustainability of the media we build exchange and inhabit and chart emerging alternatives for media ecologies

Disorienting Politics Fan Yang,2024-06-03 *Disorienting Politics* mines 21st century media artifacts including films like *The Martian* and TV streaming media shows such as *Firefly* and *House of Cards* to make visible the economic cultural political and ecological entanglements of China and the United States Describing these transpacific entanglements as Chimerica coined by economic historians to reference the symbiosis of China and America Yang examines how Chimerican media originating in the US but traversing national boundaries in their production circulation and consumption co create the figure of rising China and extend a political imagination beyond the conventional ground of the nation Examining how Chimerican media are shaped by and perpetuate uneven power relations *Disorienting Politics* argues that the pervasive tendency among wide ranging cultural producers to depict the Chinese state as a racialized Other in American media life diminishes the possibility of engaging transpacific entanglements as a basis for envisioning new political horizons Such

othering of China not only results in overt racism against people of Asian descent Yang argues but also impacts the wellbeing of people of color more generally This interdisciplinary book demonstrates the ways in which race is embedded in geopolitics even when the subject of discussion is not the people but the Chinese state Bridging media and cultural studies Asian and Asian American studies geography and globalization studies Disorienting Politics calls for a relational politics that acknowledges the multifarious interconnectivity between people places media and environment *Technologies of Vision*
Steve F Anderson, 2017-10-20 An investigation of the computational turn in visual culture centered on the entangled politics and pleasures of data and images If the twentieth century was tyrannized by images then the twenty first is ruled by data In *Technologies of Vision* Steve Anderson argues that visual culture and the methods developed to study it have much to teach us about today's digital culture but first we must examine the historically entangled relationship between data and images Anderson starts from the supposition that there is no great divide separating pre and post digital culture Rather than creating an insular field of new and inaccessible discourse he argues it is more productive to imagine that studying the digital is coextensive with critical models especially the politics of seeing and knowing developed for understanding the visual Anderson's investigation takes on an eclectic array of examples ranging from virtual reality culture analytics and software art to technologies for computer vision face recognition and photogrammetry Mixing media archaeology with software studies Anderson mines the history of technology for insight into both the politics of data and the pleasures of algorithms He proposes a taxonomy of modes that describe the functional relationship between data and images in the domains of space surveillance and data visualization At stake in all three are tensions between the totalizing logic of data and the unruly chaos of images

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