

# ON THE EDGE

The Spectacular  
Rise and Fall  
of Commodore



Erin Sagnall



# On The Edge The Spectacular Rise And Fall Of Commodore

**Gerard Alberts, Ruth Oldenziel**



## **On The Edge The Spectacular Rise And Fall Of Commodore:**

On the Edge Brian Bagnall, 2006 This book tells the story of Commodore through first hand accounts by former Commodore engineers and managers Reliving the early years of an icon in the personal computer revolution turns out to be a fascinating and improbably hilarious journey This gripping tale of ambition greed and inspired engineering gives readers a front row seat at the dawn of the personal computer Engineers and managers relate their experiences through personal first hand accounts vividly recalling the most important moments of Commodore s entry into computers in 1976 until its demise in 1994 The Commodore years are tumultuous owing to their volatile founder Jack Tramiel He pushes his team to extreme limits demanding that they almost kill themselves to meet his lofty expectations Against all odds his engineers deliver more color more character and more value than either Apple or IBM While other companies receive more press Commodore sells more computers They cut a path of destruction through the competition knocking out Sinclair Tandy Texas Instruments and Atari and almost mortally wounding Apple Unfortunately Tramiel s cut throat tactics also prove to be his undoing He uses up his managers and employees like disposable ink cartridges producing the highest employee turnover rate in the industry **The**

**Future Was Here** Jimmy Maher, 2018-01-26 Exploring the often overlooked history and technological innovations of the world s first true multimedia computer Long ago in 1985 personal computers came in two general categories the friendly childish game machine used for fun exemplified by Atari and Commodore products and the boring beige adult box used for business exemplified by products from IBM The game machines became fascinating technical and artistic platforms that were of limited real world utility The IBM products were all utility with little emphasis on aesthetics and no emphasis on fun Into this bifurcated computing environment came the Commodore Amiga 1000 This personal computer featured a palette of 4 096 colors unprecedented animation capabilities four channel stereo sound the capacity to run multiple applications simultaneously a graphical user interface and powerful processing potential It was Jimmy Maher writes in *The Future Was Here* the world s first true multimedia personal computer Maher argues that the Amiga s capacity to store and display color photographs manipulate video giving amateurs access to professional tools and use recordings of real world sound were the seeds of the digital media future digital cameras Photoshop MP3 players and even YouTube Flickr and the blogosphere He examines different facets of the platform from Deluxe Paint to AmigaOS to Cinemaware in each chapter creating a portrait of the platform and the communities of practice that surrounded it Of course Maher acknowledges the Amiga was not perfect the DOS component of the operating systems was clunky and ill matched for example and crashes often accompanied multitasking attempts And Commodore went bankrupt in 1994 But for a few years the Amiga s technical qualities were harnessed by engineers programmers artists and others to push back boundaries and transform the culture of computing

Early Home Computers , **Too Much Fun** Jesper Juul, 2024-12-10 The surprising history of the Commodore 64 the best selling home computer of the 1980s the machine that taught the world that computing should be fun The Commodore 64

C64 is officially the best selling desktop computer model of all time according to The Guinness Book of World Records. It was also from 1985 to 1993 the platform for which most video games were made. But while it sold at least twice as many units as other home computers of its time like the Apple II, ZX Spectrum or Commodore Amiga, it is strangely forgotten in many computer histories. In *Too Much Fun*, Jesper Juul argues that the C64 was so popular because it was so versatile a machine: developers and users would reinvent again and again over the course of 40 years. First it was a serious computer, next a game computer, then a computer for technical brilliance, graphical demos using the machine in seemingly impossible ways, then a struggling competitor, and finally a retro device whose limitations are now charming. The C64, Juul shows, has been ignored by history because it was too much fun. Richly illustrated in full color, this book is the first in-depth examination of the C64's design and history and the first to integrate US and European histories. With interviews of Commodore engineers and with its insightful look at C64 games, music, and software from *Summer Games* to *International Karate* to *Simons BASIC*, *Too Much Fun* will appeal to those who used a Commodore 64, those interested in the history of computing and video games, and computational literacy, or just those who wish their technological devices would last longer.

**Faster Than Light: The Atari ST and the 16-Bit Revolution** Jamie Lendino, 2019-06-17. Power Without the Price. Every Atari fan remembers that slogan from the 1980s as the rallying cry for 16-bit computing in the form of the Atari ST. This groundbreaking computer brought previously unimagined power to the home user for the first time and transformed an industry or two along the way. Author Jamie Lendino offers a fresh, vital look at the history of the Atari ST, guiding you from its inauspicious genesis at the center of a company known for its gaming consoles to its category-defining triumphs in music, desktop publishing, and video gaming. And he doesn't stop there. He then leaps to the present to pull back the veil on the thriving software and mod communities that aren't just keeping it alive today but taking it to places its creators never could have imagined. Whether you're a longtime devotee who wants to relive the magic of the machine that unleashed the wonders of *Dungeon Master*, *Time Bandit*, and *StarGLider*, an intrepid DIYer on the hunt for new ideas and resources to take your homebrew system to the next level, or a newcomer hungry to learn the ins and outs of one of the most important computers ever created, this book will get you there just as the ST did its long ago digital pioneers.

**Faster Than Light**

**The Oxford Handbook of Mobile Music Studies, Volume 2** Sumanth Gopinath, Jason Stanyek, 2014-03-21. The two volumes of *The Oxford Handbook of Mobile Music Studies* consolidate an area of scholarly inquiry that addresses how mechanical, electrical, and digital technologies and their corresponding economies of scale have rendered music and sound increasingly mobile, portable, fungible, and ubiquitous. At once a marketing term, a common mode of everyday life, performance, and an instigator of experimental aesthetics, mobile music opens up a space for studying the momentous transformations in the production, distribution, consumption, and experience of music and sound that took place between the late nineteenth and the early twenty-first centuries. Taken together, the two volumes cover a large swath of the world: the US, the UK, Japan, Brazil, Germany, Turkey, Mexico, France, China.

Jamaica Iraq the Philippines India Sweden and a similarly broad array of the musical and nonmusical sounds suffusing the soundscapes of mobility Volume 2 investigates the ramifications of mobile music technologies on musical sonic performance and aesthetics Two core arguments are that mobility is not the same thing as actual movement and that artistic production cannot be absolutely sundered from the performances of quotidian life The volume's chapters investigate the mobilization of frequency range by sirens and miniature speakers sound vehicles such as boom cars ice cream trucks and trains the gestural choreographies of soundwalk pieces and mundane interactions with digital media dance music practices in laptop and iPod DJing the imagery of iPod commercials production practices in Turkish political music and black popular music the aesthetics of handheld video games and chiptune music and the mobile device as a new musical instrument and resource for musical ensembles

A New History of Modern Computing Thomas Haigh, Paul E. Ceruzzi, 2021-09-14 How the computer became universal Over the past fifty years the computer has been transformed from a hulking scientific supertool and data processing workhorse remote from the experiences of ordinary people to a diverse family of devices that billions rely on to play games shop stream music and movies communicate and count their steps In A New History of Modern Computing Thomas Haigh and Paul Ceruzzi trace these changes A comprehensive reimagining of Ceruzzi's A History of Modern Computing this new volume uses each chapter to recount one such transformation describing how a particular community of users and producers remade the computer into something new Haigh and Ceruzzi ground their accounts of these computing revolutions in the longer and deeper history of computing technology They begin with the story of the 1945 ENIAC computer which introduced the vocabulary of programs and programming and proceed through email pocket calculators personal computers the World Wide Web videogames smart phones and our current world of computers everywhere in phones cars appliances watches and more Finally they consider the Tesla Model S as an object that simultaneously embodies many strands of computing

**Extreme Music** Michael Tau, 2022-08-30 Expand your aural and sensory experiences with Extreme Music An exploration of tomorrow's sounds and silences today Michael Tau had spent years obsessed by the extremes of musical expression Extreme Music Silence to Noise and Everything In Between is the culmination of decades of research into the sounds and silences that comprise the outer limits and conceptual expressions that stretch the definition of music Tau defines and categorizes these recorded sounds into sections that allow fans and newcomers to explore the fascinating world of musicians who defy convention He explores a wide range of extremes including volume speed and vulgarity to packaging recording methods unplayable media outdated technologies and digital pioneers He asks and answers the questions Are all sounds music Is silence music Is a plate of rotting food once cataloged packaged and sold by a distributor qualify as music Extreme Music includes over 100 interviews with makers and musicians as Tau uses his background in psychiatry to help readers understand what motivates people to create and listen to non mainstream music As a fan of multiple avant garde musical genres Tau uncovers the pleasures and sometimes pain and frustration found at the outer fringes of music Extreme

Music is the ideal guide for curious seekers die hard fans and cultural investigators Features images and curated links to samples of music

**Playback - A Genealogy of 1980s British Videogames** Alex Wade,2016-10-20 Through interviews with developers gamers and journalists examining the phenomena of bedroom coding arcade gaming and format wars mapped onto enquiry into the seminal genres of the time including driving shooting and maze chase Playback A Genealogy of 1980s British Videogames examines how 1980s Britain has become the culture of work in the 21st century and considers its meaning to contemporary society This crucial and timely work fills a lacuna for students and researchers of sociology media and games studies and will be of interest to employees of the videogames and media industries Research into videogames have never been greater but exploration of their historic drivers is as elided as the technology is influential giving rise to a range of questions What were the social and economic conditions that gave rise to a billion dollar industry What were the motivations of the early bedroom coders What are the legacies of the seminal videogames of the 1980s and how do they inform the current social political and cultural landscape With a focus on the characteristics of the UK videogame industry in the 1980s Wade explores these questions from perspectives of consumption production and leisure outlining the construction of a habitus unique to this time

**I Am Error** Nathan Altice,2017-09-08 The complex material histories of the Nintendo Entertainment System platform from code to silicon focusing on its technical constraints and its expressive affordances In the 1987 Nintendo Entertainment System videogame Zelda II The Adventure of Link a character famously declared I AM ERROR Puzzled players assumed that this cryptic mesage was a programming flaw but it was actually a clumsy Japanese English translation of My Name is Error a benign programmer s joke In I AM ERROR Nathan Altice explores the complex material histories of the Nintendo Entertainment System and its Japanese predecessor the Family Computer offering a detailed analysis of its programming and engineering its expressive affordances and its cultural significance Nintendo games were rife with mistranslated texts but as Altice explains Nintendo s translation challenges were not just linguistic but also material with consequences beyond simple misinterpretation Emphasizing the technical and material evolution of Nintendo s first cartridge based platform Altice describes the development of the Family Computer or Famicom and its computational architecture the translation problems faced while adapting the Famicom for the U S videogame market as the redesigned Entertainment System Nintendo s breakthrough console title Super Mario Bros and its remarkable software innovations the introduction of Nintendo s short lived proprietary disk format and the design repercussions on The Legend of Zelda Nintendo s efforts to extend their console s lifespan through cartridge augmentations the Famicom s Audio Processing Unit APU and its importance for the chiptunes genre and the emergence of software emulators and the new kinds of play they enabled

**Bastard Culture!** Mirko Tobias Schäfer,2011 The computer and particularly the Internet have been represented as enabling technologies turning consumers into users and users into producers The unfolding online cultural production by users has been framed enthusiastically as participatory culture But while many studies of user activities and the use of the

Internet tend to romanticize emerging media practices this book steps beyond the usual framework and analyzes user participation in the context of accompanying popular and scholarly discourse as well as the material aspects of design and their relation to the practices of design and appropriation

**Agile Game Development with Scrum** Clinton Keith, 2010-05-23 Deliver Better Games Faster On Budget And Make Game Development Fun Again Game development is in crisis facing bloated budgets impossible schedules unmanageable complexity and death march overtime It s no wonder so many development studios are struggling to survive Fortunately there is a solution Scrum and Agile methods are already revolutionizing development outside the game industry Now long time game developer Clinton Keith shows exactly how to successfully apply these methods to the unique challenges of game development Keith has spent more than fifteen years developing games seven of them with Scrum and agile methods Drawing on this unparalleled expertise he shows how teams can use Scrum to deliver games more efficiently rapidly and cost effectively craft games that offer more entertainment value and make life more fulfilling for development teams at the same time You ll learn to form successful agile teams that incorporate programmers producers artists testers and designers and promote effective collaboration within and beyond those teams throughout the entire process From long range planning to progress tracking and continuous integration Keith offers dozens of tips tricks and solutions all based firmly in reality and hard won experience Coverage includes Understanding Scrum s goals roles and practices in the context of game development Communicating and planning your game s vision features and progress Using iterative techniques to put your game into a playable state every two to four weeks even daily Helping all team participants succeed in their roles Restoring stability and predictability to the development process Managing ambiguous requirements in a fluid marketplace Scaling Scrum to large geographically distributed development teams Getting started overcoming inertia and integrating Scrum into your studio s current processes Increasingly game developers and managers are recognizing that things can t go on the way they have in the past Game development organizations need a far better way to work Agile Game Development with Scrum gives them that and brings the profitability creativity and fun back to game development

The Accidental Engineer Raymond Holt, Leo Sorge, 2017-10-22 The autobiography of the designer of the World s First Microprocessor the device that started the digital revolution A military project it was secret from 1968 1998 A story of opportunity and excellence

*Bits and Pieces* Kenneth B. McAlpine, 2019 Bits and Pieces tells the story of chiptune a style of lo fi electronic music that emerged from the first generation of video game consoles and home computers in the late 1970s and early 1980s Through ingenuity and invention musicians and programmers developed code that enabled the limited hardware of those early 8 bit machines to perform musical feats that they were never designed to achieve In time that combination of hardware and creative code came to define a unique 8 bit sound that imprinted itself on a generation of gamers For a new generation of musicians this music has currency through the chipscene a vibrant musical subculture that repurposes obsolete gaming hardware It s performative

raw and edgy loaded with authenticity and driven by a strong DIY ethic It s more punk than Pac Man and yet it s part of that same story of ingenuity and invention 8 bit hardware is no longer a retired gaming console but a quirky and characterful musical instrument Taking these consoles to the stage musicians fuse 8 bit sounds with other musical styles drum n bass jungle techno and house to create a unique contemporary sound Analyzing musical structures and technological methods used with chiptune Bits and Pieces traces the simple beeps of the earliest arcade games through the murky shadows of the digital underground to global festivals and movie soundtracks History of Technology Volume 28 Ian Inkster,2009-03-31

Technical standards have received increasing attention in recent years from historians of science and technology management theorists and economists Often inquiry focuses on the emergence of stability technical closure and culturally uniform modernity Yet current literature also emphasizes the durability of localism heterogeneity and user choice This collection investigates the apparent tension between these trends using case studies from across the nineteenth and twentieth centuries The History of Technology addresses tensions between material standards and process standards explores the distinction between specifying standards and achieving convergence towards them and examines some of the discontents generated by the reach of standards into everyday life Includes the Special Issue By whose standards Standardization stability and uniformity in the history of information and electrical technologies *Hacking Europe* Gerard Alberts,Ruth Oldenziel,2014-09-03 Hacking Europe traces the user practices of chopping games in Warsaw hacking software in Athens creating chaos in Hamburg producing demos in Turku and partying with computing in Zagreb and Amsterdam Focusing on several European countries at the end of the Cold War the book shows the digital development was not an exclusively American affair Local hacker communities appropriated the computer and forged new cultures around it like the hackers in Yugoslavia Poland and Finland who showed off their tricks and creating distinct demoscenes Together the essays reflect a diverse palette of cultural practices by which European users domesticated computer technologies Each chapter explores the mediating actors instrumental in introducing and spreading the cultures of computing around Europe More generally the ludological element the role of mischief humor and play discussed here as crucial for analysis of hacker culture opens new vistas for the study of the history of technology **Hardware Evolution** Cyrus Xavier,2024-09-30 Hardware Evolution takes readers on a captivating journey through the Silicon Revolution exploring how the evolution of computer hardware has fundamentally shaped our modern world This accessible book illuminates the exponential growth of computing power the remarkable miniaturization of electronic devices and the democratization of technology From the room sized ENIAC of the 1940s to today s powerful smartphones the book traces the rapid pace of technological change and its far reaching consequences The narrative is structured around three major sections the rise of personal computing the mobile revolution and the Internet of Things Each section demonstrates how hardware advancements have enabled new capabilities and transformed human behavior For instance the book highlights how Moore s Law has not only driven technological



progress but also influenced business strategies and global economics Readers will gain insight into how the microprocessor's invention revolutionized computing and how the evolution of digital cameras changed the way we capture and share memories What sets this book apart is its engaging storytelling approach which puts readers in the shoes of inventors and engineers By weaving together technical concepts with anecdotes and real world examples Hardware Evolution makes complex topics both understandable and entertaining for a general audience interested in technology The book concludes with a glimpse into emerging technologies like quantum computing inviting readers to contemplate the future of hardware and its potential impact on society

**History of Nordic Computing 2** John Impagliazzo,Timo Järvi,Petri Paju,2009-09-21 The First Conference on the History of Nordic Computing HiNC1 was organized in Trondheim in June 2003 The HiNC1 event focused on the early years of computing that is the years from the 1940s through the 1960s although it formally extended to year 1985 In the preface of the proceedings of HiNC1 Janis Bubenko Jr John Impagliazzo and Arne S Iyberg describe well the peculiarities of early Nordic computing 1 While developing hardware was a necessity for the first professionals quite soon the computer became an industrial product Computer scientists among others grew increasingly interested in programming and application software Progress in these areas from the 1960s to the 1980s was experienced as astonishing The developments during these decades were taken as the focus of HiNC2 During those decades computers arrived to every branch of large and medium sized businesses and the users of the computer systems were no longer only computer specialists but also people with other main duties Compared to the early years of computing before 1960 where the number of computer projects and applications was small capturing a holistic view of the history between the 1960s and the 1980s is considerably more difficult The HiNC2 conference attempted to help in this endeavor

**Software** Kim W. Tracy,2021-09-20 Software history has a deep impact on current software designers computer scientists and technologists System constraints imposed in the past and the designs that responded to them are often unknown or poorly understood by students and practitioners yet modern software systems often include old software and historical programming techniques This work looks at software history through specific software areas to develop student consumable practices design principles lessons learned and trends useful in current and future software design It also exposes key areas that are widely used in modern software yet infrequently taught in computing programs Written as a textbook this book uses specific cases from the past and present to explore the impact of software trends and techniques Building on concepts from the history of science and technology software history examines such areas as fundamentals operating systems programming languages programming environments networking and databases These topics are covered from their earliest beginnings to their modern variants There are focused case studies on UNIX APL SAGE GNU Emacs Autoflow internet protocols System R and others Extensive problems and suggested projects enable readers to deeply delve into the history of software in areas that interest them most

**Innovation in Music** Russ Hepworth-Sawyer,Jay Hodgson,Justin Paterson,Rob Toulson,2019-06-25 Innovation in Music Performance

Production Technology and Business is an exciting collection comprising of cutting edge articles on a range of topics presented under the main themes of artistry technology production and industry Each chapter is written by a leader in the field and contains insights and discoveries not yet shared Innovation in Music covers new developments in standard practice of sound design engineering and acoustics It also reaches into areas of innovation both in technology and business practice even into cross discipline areas This book is the perfect companion for professionals and researchers alike with an interest in the Music industry Chapter 31 of this book is freely available as a downloadable Open Access PDF at <http://www.taylorfrancis.com> under a Creative Commons Attribution Non Commercial No Derivatives CC BY NC ND 4.0 license

## Embracing the Track of Expression: An Psychological Symphony within **On The Edge The Spectacular Rise And Fall Of Commodore**

In a world taken by displays and the ceaseless chatter of immediate transmission, the melodic beauty and emotional symphony produced by the written word usually diminish into the background, eclipsed by the constant sound and disruptions that permeate our lives. However, nestled within the pages of **On The Edge The Spectacular Rise And Fall Of Commodore** a stunning fictional value brimming with natural emotions, lies an immersive symphony waiting to be embraced. Crafted by a masterful musician of language, this fascinating masterpiece conducts viewers on an emotional trip, well unraveling the hidden melodies and profound influence resonating within each carefully constructed phrase. Within the depths of this touching examination, we will explore the book is key harmonies, analyze their enthralling publishing model, and surrender ourselves to the profound resonance that echoes in the depths of readers souls.

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