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Digital Innovations and the Production of Local Content in Community Radio Josephine F. Coleman 2021 This book offers an in-depth analysis of how local community radio practitioners have embraced the digital revolution. Digital Innovations and the Production of Local Content in Community Radio contextualizes the UK model of community radio, before focussing on specific case studies to examine how the use of digital technologies has affected local radio production practices. The book offers an overview of the new technologies, media forms, and platforms in radio production, shedding light on how digitalization is impacting the routines and experiences of a predominantly volunteer-based workforce. The author presents the argument that despite the benefits of digital media, traditional aspects of programme production continue to be of vital importance to the interpersonal relationships and values of community radio. This book will appeal to academics and researchers in the areas of communication, culture, journalism studies, media, and creative industries.

Trends and Prospects in Radio and Television Receivers 1949

Newnes Radio and RF Engineering Pocket Book Steve Winder 2002-09-24 Preface; Propagation of radio waves; The decibel scale; Transmission lines; Antennas; Resonant circuits; Oscillators; Piezo-electric devices; Bandwidth requirements and modulation; Frequency planning; Radio equipment; Microwave communication; Information privacy and encryption; Multiplexing; Speech digitization and synthesis; VHF and UHF mobile communication; Signalling; Mobile radio systems; Base station site management; Instrumentation; Batteries; Satellite communications; Connectors and interfaces; Broadcasting; Abbreviations and symbols; Miscellaneous data; Index.

Report by the Advisory Board for Radio Broadcasting to Cuba Radio Broadcasting to Cuba (Organization). Advisory Board 1987

Cold War Frequencies Richard H. Cummings 2021-03-26 Published for the first time, the history of the CIA's clandestine short-wave radio broadcasts to Eastern Europe and the USSR during the early Cold War is covered in-depth. Chapters describe the "gray" broadcasting of Radio Free Europe and Radio Liberty in Munich; clandestine or "black" radio broadcasts from Radio Nacional de Espana in Madrid to Estonia, Latvia, Lithuania and Ukraine; transmissions to Bulgaria, Romania, Albania, Ukraine and the USSR from a secret site near Athens; and broadcasts to Byelorussia and Slovakia. Infiltrated behind the Iron Curtain through dangerous air drops and boat landings, CIA and other intelligence service agents faced counterespionage, kidnapping, assassination, arrest and imprisonment. Excerpts from broadcasts taken from monitoring reports of Eastern Europe intelligence agencies are included.

The Hitchhiker's Guide to the Galaxy: the Original Radio Scripts Douglas Adams 2020-03-05 March 1978 saw the first ever transmission of Douglas Adams' The Hitchhiker's Guide to the Galaxy on BBC Radio 4; the beginning of a cult phenomenon. March 2020 marks the 42nd anniversary of that first transmission - 42 being the answer, of course, to the Ultimate Question of Life, the Universe, and Everything. To mark the occasion, Pan Macmillan are bringing back into print The Hitchhiker's Guide to the Galaxy: The Original Radio Scripts with a brand-new introduction from Simon Jones.The collection also includes the previously 'lost' Hitchhiker script from the 25th anniversary edition, 'Sheila's Ear' and the original introductions by producer Geoffrey Perkins and Douglas Adams.This collection, which is a faithful reproduction of the text as it was first published in 1985, features all twelve original radio scripts - Hitchhiker as it was written and exactly as it was broadcast for the very first time. They include amendments and additions made during recordings and original notes on the writing and producing of the series by Douglas Adams and Geoffrey Perkins. For those who have always loved Douglas Adams, as well as for his new generation of fans, these scripts are essential reading and a must-have piece of Adams memorabilia.This special anniversary edition will sit alongside reissued eye-catching editions of the five individual Hitchhiker books coming in May 2020: The Hitchhiker's Guide to the Galaxy, The Restaurant at the End of the Universe, Life, the Universe and Everything, So Long, and Thanks for All the Fish and Mostly Harmless.

Radio-electronics 1958

So You Want to Write Radio Drama? Claire Grove 2014-04-01 An essential guide for anyone who dreams of penning tomorrow's radio classics.

Keith's Radio Station John Allen Hendricks 2014-08-07 Keith's Radio Station offers a concise and insightful guide to all aspects of radio operations, explaining the functions performed within every professionally managed station. Now in its ninth edition, this book continues its long tradition of guiding readers to a solid understanding of who does what, when, and why. This new edition explains what "radio" in America has been, where it is today, and where it is going. Covering the basics of how programming is produced, financed and delivered across a spectrum of technologies, including the newest technological trends such as streaming and podcasting, satellite, and HD Radio, John Allen Hendricks and Bruce Mims argue that the future of radio remains bright and strong as it continues to evolve with emerging technologies. New to this edition: New and updated essays from industry leaders discussing how radio is evolving in an era of rapidly changing technology A thorough examination of Internet radio, online music services, and mobile listening devices An analysis of how new technologies have fragmented the advertising dollar A discussion of station website content and promotional usage of social media A revised examination of technologically advanced strategies used in traffic and billing departments Updated, full-color photos and illustrations. The new companion website features content for both students and instructors, including an instructors' manual, lecture slides, test questions, audio examples of key concepts, quizzes for students, and links to further resources.

Safeguards to Radio Communications Service of Ships United States. Congress. Senate. Committee on Commerce 1941

Newnes Radio Engineer's Pocket Book John Davies 2014-05-12 Newnes

Radio Engineer's Pocket Book focuses on various processes employed in radio engineering, including frequency, wavelength, radio waves, resonant circuits, and oscillators. The book first elaborates on the propagation of radio waves, decibel scale, and transmission lines. Discussions focus on radio frequency lines, impedance matching, waveguides, decibels referred to absolute values, radio frequency spectrum, formation and behavior of radio waves, and methods of propagation. The text then explores antennas, resonant circuits, oscillators, piezo-electric devices, and bandwidth requirements and modulation. The manuscript examines frequency planning, radio equipment, microwave communication, information privacy and encryption, and multiplexing. Topics include code division multiple access (CDMA), encryption principles, performance criteria for analogue and digital links, microwave usage, transmitters, receivers, and programmable equipment. The book also reviews broadcasting, connectors and interfaces, satellite communications, batteries, instrumentation, and base station site management. The publication is a valuable source of data for researchers interested in radio engineering.

International Radio Journalism Tim Crook 1998 Textbook on radio journalism

Television and Radio Announcing Stuart Wallace Hyde 2013-02-01 Focuses on new developments in media announcing The digital revolution has significantly changed broadcast technology. The 12th edition of Television and Radio Announcing reflects new trends in the field, such as the reconfiguration of electronic media production practices and distribution models. The internet and social media have opened up new access to production and new methods of distribution, such as YouTube, Facebook, Twitter, and podcasts. The 12th edition addresses the realities of students who live in this new era. This text is available in a variety of formats – print and digital. Check your favorite digital provider for your eText, including CourseSmart, Kindle, Nook, and more. Learning Goals: Upon completing this book, readers will be able to: Develop essential announcing skills Understand new trends in the field 0205946259 / 9780205946259 Television and Radio Announcing Plus MySearchLab with Pearson eText --Access Card Package Package consists of: 0205239927 / 9780205239924 MySearchLab with Pearson eText -- Valuepack Access Card 0205901379 / 9780205901371 Television and Radio Announcing

Radio's Second Chance Charles Arthur Siepmann 1946

The Radio Handbook 1947 Includes advertising matter.

Radio Silence Alice Oseman 2019-04-23 From critically acclaimed author Alice Oseman comes a smartly crafted contemporary YA novel, perfect for readers who love Rainbow Rowell's Fangirl. This is an utterly captivating and authentic teen novel from the author of Solitaire, which VOYA said "could put her among the great young adult fiction authors." Frances Janvier spends most of her time studying. Everyone knows Aled Last as that quiet boy who gets straight As. You probably think that they are going to fall in love or something. Since he is a boy and she is a girl. They don't. They make a podcast. In a world determined to shut them up, knock them down, and set them on a cookie cutter life path, Frances and Aled struggle to find their voices over the course of one life-changing year. Will they have the courage to show everyone who they really are? Or will they be met with radio silence?

Radio in Small Nations 2012-11-15 This is the first title in a new series of volumes examining different dimensions of the media and culture in small nations. Whether at a local, national or international level, radio has played and continues to play a key role in nurturing or denying – even destroying – people's sense of 'belonging' to a particular community, whether it be defined in terms of place, ethnicity, language or patterns of consumption. Typically, the radio has been used for purposes of propaganda and as a means of forging national identity both at home and also further afield in the case of colonial exploits. Drawing on examples of four models of, the chapters in this volume will provide an historical and contemporary overview of radio in a number of small nations. The authors propose a stimulating discussion on the role radio has played in a variety of nation contexts worldwide.

The Westerbork Observatory, Continuing Adventure in Radio Astronomy Ernst Raimond 1996-09-30 A small country builds a world-class telescope in its backyard and lives happily ever after (or at least for a quarter century). That in a nutshell is the story told in this collection of essays. The country of course is the Netherlands, and the telescope is the Westerbork Synthesis Radio Tele scope (WSRT), brainchild of Jan Oort. Living happily in this context is a continuing record of discovery and as such also a continuing basis for se curing observing time on facilities in other countries and operating at other frequencies. As our community celebrates the Silver Anniversary of the radio tele scope at Westerbork, it is fitting that we pause to take account of the scientific discoveries and insights it made possible. Initially the instrument represented the very significant step away from university-run, specialist facilities to a well-supported, common-user radio imager also having spec tral and polarization capabilities. It pioneered the mode of operation now common for satellite observatories, in which data is taken and calibrated by technicians and provided to researchers ready for analysis. It has been a major source of discovery in, among other areas, research on neutral hy drogen and studies of dark matter in galaxies.

Cognitive Radio, Mobile Communications and Wireless Networks Mubashir Husain Rehmani 2018-07-30 This book provides an overview of the latest research and development of new technologies for cognitive radio, mobile communications, and wireless networks. The contributors discuss the research and requirement analysis and initial standardization work towards 5G cellular systems and the capacity problems it presents. They show how cognitive radio, with the capability to flexibly adapt its parameters, has been proposed as the enabling technology for unlicensed secondary users to dynamically access the licensed spectrum owned by legacy primary users on a negotiated or an opportunistic basis. They go on to show how cognitive radio is now perceived in a much broader paradigm that will contribute to solve the resource allocation problem that 5G requirements raise. The chapters represent hand-selected expanded papers from EAI sponsored and hosted conferences such as the 12th EAI International Conference on Mobile and Ubiquitous Systems, the 11th EAI International Conference on Heterogeneous Networking for Quality, Reliability, Security and Robustness, the 10th International Conference on Cognitive Radio Oriented Wireless Networks, the 8th International Conference on Mobile Multimedia Communications, and the EAI International Conference on Software Defined Wireless Networks and Cognitive Technologies for IoT.

From Radio to Television Vincent Terrace 2022-10-21 The early years of television relied in part on successful narratives of another medium, as studios adapted radio programs like Boston Blackie and Defense Attorney to the small screen. Many shows were adapted more than once, like the radio program Blondie, which inspired six television adaptations and 28 theatrical films. These are but a few of the 1,164 programs covered in this volume. Each program entry contains a detailed story line, years of broadcast, performer and character casts and principal production credits where possible. Two appendices ("Almost a Transition" and "Television to Radio") and a performer's index conclude the book. This first-of-its-kind encyclopedia covers many little-known programs that have rarely been discussed in print (e.g., Real George, based on Me and Janie; Volume One, based on Quiet, Please; and Galaxy, based on X Minus One). Covered programs include The Great Gildersleeve, Howdy Doody, My Friend Irma, My Little Margie, Space Patrol and Vic and Sade.

Tourflits Jairo van Lunteren 2017-05-01

Social Uses And Radio Practices Lucila Vargas 2019-06-21 Combining concepts and methods from critical cultural studies with the Freirean approach to development, Lucila Vargas examines the social value of participatory radio and the possibilities and constraints that participatory radio stations hold for improving the living conditions and the sense of self-esteem of the poor in Mexico. This book provides an ethnographic account of the social uses of radio created by several Mexican ethnic minorities by examining the matrix of interactions between a government-sponsored participatory radio network and its indigenous audiences. Vargas specifically emphasizes how and why the politics of race, ethnicity, class, and gender shape the extent and quality of people's participation in development efforts, and she also considers the larger issue of the way subaltern ethnic groups appropriate and refunctionalize modem mass technology. This inquiry leads to a method for analyzing the cultural subtleties and social intricacies of the practices that emerge from participatory radio. Through a thorough investigation of two Tojolabal Maya communities in the highlands of Chiapas, Mexico, Vargas reveals the conflicts and challenging contradictions typical of many participatory radio stations. She finds that despite the rampant racism against indigenous peoples prevalent at the radio stations, groups like the Tojolabal Maya have found creative ways to make the best of the communication resources that this participatory project has made available to them.

Radio Girls Sarah-Jane Stratford 2016-06-14 The Great War is over, and change is in the air, in this novel that brings to life the exciting days of early British radio...and one woman who finds her voice while working alongside the brilliant women and men of the BBC. London, 1926. American-raised Maisie Musgrave is thrilled to land a job as a secretary at the upstart British Broadcasting Corporation, whose use of radio—still new, strange, and electrifying—is captivating the nation. But the hectic pace, smart young staff, and intimidating bosses only add to Maisie's insecurity. Soon, she is seduced by the work—gaining confidence as she arranges broadcasts by the most famous writers, scientists, and politicians in Britain. She is also caught up in a growing conflict between her two bosses, John Reith, the formidable Director-General of the BBC, and Hilda Matheson, the extraordinary director of the hugely popular Talks programming, who each have very different visions of what radio should be. Under Hilda's tutelage, Maisie discovers her talent, passion, and ambition. But when she unearths a shocking conspiracy, she and Hilda join forces to make their voices heard both on and off the air...and then face the dangerous consequences of telling the truth for a living. READERS GUIDE INCLUDED

Women and Radio Caroline Mitchell 2014-04-23 Combining classic work on radio with innovative research, journalism and biography, Women and Radio offers a variety of approaches to understanding the position of women as producers, presenters and consumers as well as offering guidelines, advice and helpful information for women wanting to work in radio. Women and Radio examines the relationship between radio audiences, technologies and programming and reveals and explains the inequalities experienced by women working in the industry.

Classics in Radio Astronomy CLASSICS IN RADIO ASTRONOMY. 1982-06-30 Radio techniques were the nrst to lead astronomy away from the quiescent and limited Universe revealed by traditional observations at optical wave lengths. In the earliest days of radio astronomy, a handful of radio physicists and engineers made one startling discovery after another as they opened up the radio sky. With this collection of classic papers and the extensive intro ductory material, the reader can experience these exciting discoveries, as well as understand the developing techniques and follow the motivations which prompted the various lines of inquiry. For instance he or she will follow in detail the several attempts to detect radio waves from the sun at the turn of the century; the unravelling by Jansky of a "steady hiss type static"; the incredible story of Reber who built a 9 meter dish in his backyard in 1937 and then mapped the Milky Way; the vital discoveries by Hey and colleagues of radio bursts from the Sun and of a discrete source in the constellation of Cygnus; the development of receivers and interferometry in the post-war years by the groups led by Ryle in Cambridge and Pawsey in Sydney; the nrst measurements and exciting identiftcations of Taurus A (the Crab Nebula), Centaurus A, Virgo A, Cassiopeia A, and Cygnus A, the last opening the neld of radio cosmology; the early development of synchroton theory; and the prediction and discovery seven years later of the 21 cm line of neutral hy drogen.

Digital Radio System Design Grigorios Kalivas 2009-10-23 A systematic explanation of the principles of radio systems, Digital Radio System Design offers a balanced treatment of both digital transceiver modems and RF front-end subsystems and circuits. It provides an in-depth examination of the complete transceiver chain which helps to connect the two topics in a unified system concept. Although the book tackles such diverse fields it treats them in sufficient depth to give the designer a solid foundation and an implementation perspective. Covering the key concepts and factors that characterise and impact radio transmission and reception, the book presents topics such as receiver design, noise and distortion. Information is provided about more advanced aspects of system design such as implementation losses due to non-idealities. Providing vivid examples, illustrations and detailed case-studies, this book is an ideal introduction to digital radio systems design. Offers a balanced treatment of digital modem and RF front-end design concepts for complete transceivers Presents a diverse range of topics related to digital radio design including advanced transmission and synchronization techniques with emphasis on implementation Provides guidance on imperfections and non-idealities in radio system design Includes detailed design case-studies incorporating measurement and simulation results to illustrate the theory in practice

Radio Network Planning and Optimisation for UMTS Jaana Laiho 2005-04-08 Radio Network Planning and Optimisation for UMTS comprehensively explains how to dimension, plan and optimise UMTS (Universal Mobile Telecommunications System) networks. It introduces the properties of the spread spectrum system and provides a general overview of the physical layer of UTRA FDD. The radio network planning process for WCDMA is clearly presented and detailed information on how to dimension, plan and rollout a 3G network, both theoretically and practically is provided. This valuable text examines current and future radio network management issues and their impact on network performance as well as the relevant capacity and coverage enhancement methods. * Includes automation examples of radio resource management * Focuses on UTRA FDD and introduces UTRA TDD, GPRS and EDGE and examines their interaction and synergy * Provides an excellent source of information for those considering future cellular networks where Quality of Service (QoS) is of paramount importance * Analyses the radio network planning challenges and opportunities for both greenfield and existing operators * Includes an accompanying CD-ROM featuring a static radio network simulator implemented in MATLAB(r) Authoritative and instructive, this text will have instant appeal to wireless operators and network and terminal manufacturers. It will also be essential reading for university students, frequency regulation bodies and everyone interested in radio network planning and optimisation, especially RF network systems engineering professionals.

Radio and the Gendered Soundscape Christine Ehrick 2015-07-23 This book is a history of women's voices on the radio in two of South America's most important early radio markets. It explores what it meant to hear female voices on the radio and asks readers to consider gender in its aural and sonic dimensions.

Ultra-Wideband Radio Propagation Channels Pascal Pagani 2013-03-04 Ultra Wide Band (UWB) technology consists of transmitting radio signals over frequency bandwidths from 500 MHz to several GHz. Its unique characteristics may be exploited for the design of high data rate wireless communication systems, as well as localization and imaging applications. The development and optimization of such systems require a precise knowledge of the radio transmission medium. This book examines all aspects of the propagation channel for UWB systems. UWB technology is first presented, with a particular emphasis being placed on its applications, spectrum regulation issues, and the different communication techniques. The authors introduce the theoretical bases of radioelectric propagation and give an overview of the channel sounding techniques adapted for UWB signals. The two main principles of UWB channel modeling are finally exposed and illustrated: deterministic channel modeling, based on the simulation of the propagation phenomena in a given environment, and statistical channel modeling, which relies on the experimental analysis of the main channel characteristics.

Radio Astronomy Thomas Lauterbach 2022-09-06 Radio technology enables the extension of astronomical observations beyond light to other frequency ranges. This has led to the discovery of numerous cosmic radio sources, the physical causes of which are explained as well as how a radio telescope works. Even small radio telescopes can observe radiation from the Sun and other radio sources, as well as the 21-cm radiation from the Milky Way. Through interferometry, much higher resolution can be achieved than with individual radio telescopes. As a result, radio astronomical research can contribute to many current questions in astronomy, cosmology, and physics. This Springer essential is a translation of the original German 1st edition essentials, Radioastronomie by Thomas Lauterbach, published by Springer Fachmedien Wiesbaden GmbH, part of Springer Nature in 2020. The translation was done with the help of artificial intelligence (machine translation by the service DeepL.com). A subsequent human revision was done primarily in terms of content, so that the book will read stylistically differently from a conventional translation. Springer Nature works continuously to further the development of tools for the production of books and on the related technologies to support the authors.

Earthquake Prediction with Radio Techniques Masashi Hayakawa 2015-07-02 The latest achievements of earthquake prediction via radio communication systems, by the world's leading authority Prof. Hayakawa is one of the world leaders in the field of seismo-electromagnetics for EQ prediction and this area of research is still evolving Presents the fundamentals of radio communications and radio propagation, using the radio noises and propagation anomalies as a precursor of earthquakes Considers the combination of different kinds of seismogenic electromagnetic signals of both natural and artificial character Timely topic following the recent sequence of highly destructive earthquakes around the world

Ham Radio For Dummies H. Ward Silver 2013-08-14 An ideal first step for learning about ham radio Beyond operating wirelessly, today's ham radio operators can transmit data and pictures; use the Internet, laser, and microwave transmitters; and travel to places high and low to make contact. This hands-on beginner guide reflects the operational and technical changes to amateur radio over the past decade and provides you with updated licensing requirements and information, changes in digital communication (such as the Internet, social media, and GPS), and how to use e-mail via radio. Addresses the critical use of ham radio for replacing downed traditional communications during emergencies or natural disasters Provides updates to all documentation of the American Radio Relay League Explains recent changes to picking your own call sign Places a special emphasis on the major reasons people get into amateur radio: emergency communication, digital communication, and do-ityourself science Looks at online mapping and charting of websites Whether you're just getting turned on to ham radio or already have your license, Ham Radio for Dummies, 2nd Edition helps you with the terminology, the technology, and the talknology.

Broadcast Journalism Andrew Boyd 2012-11-12 This newest edition of Broadcast Journalism continues its long tradition of covering the basics of broadcasting from gathering news sources, interviewing, putting together a programme, news writing, reporting, editing, working in the studio, conducting live reports, and more. Two new authors have joined forces in this new edition to present behind the scenes perspectives on multimedia broadcast news, where it is heading, and how you get there. Technology is meshing global and local news. Constant interactivity between on-the-scene reporting and nearly instantaneous broadcasting to the world has changed the very nature of how broadcast journalists must think, act, write and report on a 24/7 basis. This new edition takes up this digital workflow and convergence. Students of broadcast journalism and professors alike will find that the sixth edition of Broadcast Journalism is completely up-to-date. Includes new photos, quotations, and coverage of convergent journalism, podcasting, multimedia journalism, citizen journalism, and more!

Phantasmic Radio Allen S. Weiss 1995 About radio and the alienation of the self

Cognitive Radio Technology Bruce A. Fette 2006-08-08 Cognitive radio technology is a smarter, faster, and more efficient way to transmit information to and from fixed, mobile, other wireless communication devices. Cognitive radio builds upon software-defined radio technology. A cognitive radio system is 'aware' of its operating environment and automatically adjusts itself to maintain desired communications—it's like having a trained operator 'inside' the radio making constant adjustments for maximum performance. Operating frequency, power output, antenna orientation/beamwidth, modulation, and transmitter bandwidth are just a few of the operating parameters that can automatically be adjusted "on the fly in a cognitive radio system. Fette has constructed a cutting-edge volume that hits all of the important issues including research, management, and support. Cognitive techniques will be discussed such as position and network awareness, infrastructure and physical and link layer concerns. Though still a nascent technology, cognitive radio is being pushed by the US military and for mission-critical civilian communications (such as emergency and public safety services). *The first book on a revolutionary technology that will be critical to military, emergency, and public safety communications *A multi-contributed volume written by the leaders in this exciting new area *Describes the location-determination capabilities of cognitive radio (the precise location of all units in a cognitive radio network can be determined in real time)

Valve Radio and Audio Repair Handbook CHAS MILLER 2000-06-05 Valve Radio and Audio Repair Handbook is not only an essential read for every professional working with antique radio and gramophone equipment, but also dealers, collectors and valve technology enthusiasts the world over. The emphasis is firmly on the practicalities of repairing and restoring, so technical content is kept to a minimum, and always explained in a way that can be followed by readers with no background in electronics. Those who have a good grounding in electronics, but wish to learn more about the practical aspects, will benefit from the emphasis given to hands-on repair work, covering mechanical as well as electrical aspects of servicing. Repair techniques are also illustrated throughout. This book is an expanded and updated version of Chas Miller's classic Practical Handbook of Valve Radio Repair. Full coverage of valve amplifiers will add to its appeal to all audio enthusiasts who appreciate the sound quality of valve equipment. A practical manual for collectors, owners, dealers and service engineers Essential information for all radio and audio enthusiasts Valve technology is a hot topic

Amateur Radio Pedestrian Mobile Handbook: Second Edition Edward Breneiser 2014-03-05 If you plan to operate a ham radio pedestrian mobile station, this is the book for you! This handbook will guide you through all phases of designing, building and operating your PM station. This is the second edition of my handbook. You will notice some changes from the first edition. The first change is in the battery chapter as most of the charging information has been deleted from that chapter. The chapter on Military Radios has also been deleted from the text. There are numerous books on this subject. I have also added a chapter on tuning your PM station and another chapter on weather and the environment. I have also included a new chapter on what most people call, "Apps." With the explosion of mobile devices in society, hams now also use their smart devices at home and most other places they visit. I've added some cool apps for use out in the great outdoors. Also look at the new chapter I added on stretching.

Cognitive Radio, Software Defined Radio, and Adaptive Wireless Systems Hüseyin Arslan 2007-09-05 Today's wireless services have come a long way since the roll out of the conventional voice-centric cellular systems. The demand for wireless access in voice and high rate data multi-media applications has been increasing. New generation wireless communication systems are aimed at accommodating this demand through better resource management and improved transmission technologies. The interest in increasing Spectrum Access and improving Spectrum Efficiency combined with both the introduction of Software Defined Radios and the realization that machine learning can be applied to radios has created new intriguing possibilities for wireless radio researchers. This book is aimed to discuss the cognitive radio, software defined radio (SDR), and adaptive radio concepts from several aspects. Cognitive radio and cognitive networks will be investigated from a broad aspect of wireless communication system enhancement while giving special emphasis on better spectrum utilization. Applications of cognitive radio, SDR and cognitive radio architectures, spectrum efficiency and soft spectrum usage, adaptive wireless system design, measurements and awareness of various parameters including interference temperature and geo-location information are some of the important topics that will be covered in this book. Cognitive Radio, Software Defined Radio, and Adaptive Wireless Systems is intended to be both an introductory technology survey/tutorial for beginners and an advanced mathematical overview intended for technical professionals in the communications industry, technical managers, and researchers in both academia and industry.

Radio Shangri-La Lisa Napoli 2011-02-08 Lisa Napoli was in the grip of a crisis, dissatisfied with her life and her work as a radio journalist. When a chance encounter with a handsome stranger presented her with an opportunity to move halfway around the world, Lisa left behind cosmopolitan Los Angeles for a new adventure in the ancient Himalayan kingdom of Bhutan—said to be one of the happiest places on earth. Long isolated from industrialization and just beginning to open its doors to the modern world, Bhutan is a deeply spiritual place, devoted to environmental conservation and committed to the happiness of its people—in fact, Bhutan measures its success in Gross National Happiness rather than in GNP. In a country without a single traffic light, its citizens are believed to be among the most content in the world. To Lisa, it seemed to be a place that offered the opposite of her fast-paced life in the United States, where the noisy din of sound-bite news and cell phones dominate our days, and meaningful conversation is a rare commodity; where everyone is plugged in digitally, yet rarely connects with the people around them. Thousands of miles away from everything and everyone she knows, Lisa creates a new community for herself. As she helps to start Bhutan's first youth-oriented radio station, Kuzoo FM, she must come to terms with her conflicting feelings about the impact of the medium on a country that had been shielded from its effects. Immersing herself in Bhutan's rapidly changing culture, Lisa realizes that her own perspective on life is changing as well—and that she is discovering the sense of purpose and joy that she has been yearning for. In this smart, heartfelt, and beautifully written book, sure to please fans of transporting travel narratives and personal memoirs alike, Lisa Napoli discovers that the world is a beautiful and complicated place—and comes to appreciate her life for the adventure it is.

The Psychological Technique of Martin Luther Thomas' Radio Addresses

Theodor W. Adorno 2000 This study was written in English in the 1930s when Adorno, one of the 20th century's most influential thinkers, was living in the United States. It is a pioneering analysis of a member of what we now call the Radical Right—the now-forgotten Martin Luther Thomas, an American fascist-style demagogue who used the radio to appeal to and to manipulate his adherents.