Broadcasting in America

Head · Sterling

Fifth Edition

h9 38.21

BROADCASTING IN AMERICA

A Survey of Electronic Media

FIFTH EDITION

Sydney W. Head University of Mudmi.

Christopher H. Sterling
The George Washington University

with contributions by
Susan Tyler Eastman, *Indiana University*Lemuel B. Schofield, *University of Miami*

Acknowledgments for photos on part opening pages:

Prologue: Peter Menzel/Stock Boston

Part I Culver Pictures

Part II Courtesy of the National Association of Broadcasters

Part III Courtesy of Home Shopping Network

Part IV Courtesy of TV Guide

Part V Ulrike Welsch Epilogue: NASA

Copyright © 1987 by Houghton Mifflin Company. All rights reserved.

No part of this work may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying and recording, or by any information storage or retrieval system, except as may be expressly permitted by the 1976 Copyright Act or in writing by the Publisher. Requests for permission should be addressed to Permissions, Houghton Mifflin Company, One Beacon Street, Boston, MA 02108.

Printed in the U.S.A.

Library of Congress Catalog Card Number: 86-81342

ISBN: 0-395-35936-8

BCDEFGHIJ-VB-8987

Cover photograph by Gorchev and Gorchev.

Houghton Mifflin Company

Boston

Dallas Geneva, Ill. Lawrenceville, N.J. Palo Alto

Preface

Even more than its predecessors, this edition of Broadcasting in America, which appears three decades after the first, has been heavily revised and updated — and this time restructured as well. These changes are due partially to our own evolving views of the field as well as to the substantial changes going on in the field itself. Starting with universally available broadcasting, we take a more unified approach to the many competing electronic media, dealing with them in an integrated fashion reflecting their true audience and marketplace interaction. Given the widespread use of broadcast content on newer delivery systems (most specifically including cable and videocassette recorders), "broadcasting" in this book's title and text now generally refers to all of the electronic media. Readers of past editions will note the following:

- We have rearranged the book and reduced the number of chapters to nineteen. Throughout, we have updated and tightened our discussion and grouped related topics together. For example, chapters on media impact and policy have been recast to reflect changes in the field and to make for clearer understanding of relationships.
- We lead off the book with historical background, somewhat condensed from previous editions, using it to lead into the technology chapters that follow. The present role of technology is more clearly seen if we first trace the development of knowledge and application of that technology.

- We have integrated treatment of public broadcasting and the newer technological rivals to radio and television, rather than dealing with each separately as in the fourth edition. We now feel it important to understand the changing interrelationships between broadcasting, cable, and home video (as well as other services with thus far limited audience penetration) all of which compete in the same market for the same potential audience.
- We have retained our approach in the chapters on technology of electronic media stressing the fundamental physical and policy factors which are essential to a true understanding of how broadcasting and newer electronic media services work, and the different ways that each is limited.
- Economic aspects of the fast-changing electronic media have been given expanded treatment in the three new chapters which make up Part 3, contributed by Associate Professor Lemuel B. Schofield of the University of Miami. His extensive experience in television station supervisory roles, including that of general manager, combined with his legal training (he holds a J.D. from the University of Pennsylvania) add new insight to the treatment of station, system, and network organization and operation, as well as to advertising and the many other kinds of media financial support.
- Likewise, we have greatly increased the material on programming process and trends that now make up three chapters in Part 4, contributed by Dr. Susan Tyler Eastman, an

associate professor at Indiana University. Dr. Eastman is senior editor of *Broadcast and Cable Programming* (Wadsworth, 1985), among many other works, and has taught the "BIA course" for more than a decade. She deals with basic aspects of all programming before concentrating on network programs (Chapter 12) and nonnetwork, syndicated programming (Chapter 13).

- The material on electronic media research and consequences in Part 5 has been revised and tightened to cover both industrial and academic research efforts and findings. The chief and best known type of research, that on audience ratings, is now treated together with the analysis of media impact and consequences. The theoretical basis for the latter (Chapter 15) is totally revised for this edition.
- The regulatory chapters in Part 4 have been recast, reflecting the current deregulatory trend. Christopher Sterling, special assistant to an FCC commissioner during the transition from the Ferris to Fowler administrations (1980–82), highlights the regulatory differences between broadcasting and its newer rivals.
- For this edition, Dr. Norman Felsenthal, an associate professor at Temple University, has written the separately published *Instructor's Manual* (available to adopters) and a totally new *Study Guide*. He has worked closely with the authors so his work reflects the substantial changes in the revised main text.

Despite all these changes, our overall goal remains the same: to treat the electronic media within a broad academic perspective, touching on such traditional fields as the physical sciences, history, economics, political science, psychology, and sociology. This approach is

rooted in our belief that for purposes of both general and professional education, electronic media should be studied as both the product of social forces and as social forces themselves. We seek to explain how broadcasting and more recent services developed, why they operate as they do today, and what part these services play in American society. We hope to spark readers to draw their own conclusions on the proper role of these services in the future.

As with previous editions, a number of colleagues gave valuable advice and suggestions. Among them were James Anderson (University of Utah) and Timothy Meyer (University of Wisconsin-Green Bay), who guided our revision of Chapter 15; Herbert Terry (Indiana University) and Erwin Krasnow (of Verner, Liipfert, Bernhardt & McPherson in Washington, and former general counsel of the NAB) who gave detailed comments and suggestions on Chapters 16-18; and Charles Clift (Ohio University); Peter Habermann (University of Northern Iowa); Darrel W. Holt (The University of Tennessee, Knoxville); Barry Litman (Michigan State University); George Mastroianni (California State University, Fullerton); Michael J. Porter (University of Missouri-Columbia); John A. Regnell (Southern Illinois University at Edwardsville); Ruth Schwartz (University of California, Los Angeles); David L. Smith (Ball State University); Donna Walcovy (Emerson College); and Judith B. Wallace (University of Miami). Naturally, we assume final responsibility for what we have done with their suggestions.

Sydney W. Head Christopher H. Sterling Washington, D.C.

Brief Contents

Exhibits an	d Boxed Features	xvii
Preface		xxi
Prologue	The World of Broadcasting	1
Chapter 1	Global Context	3
PART 1	Development	37
3	The Rise of Radio From Radio to Television Era of Electronic Media	39 67 103
PART 2	Technology	127
- 6	Basic Physical Concepts Technology of Traditional Broadcasting Delivery, Distribution, and Storage	129 150 170
PART 3	Economics	193
9	Stations, Systems, and Networks Broadcast and Cable Advertising Other Economic Aspects of Electronic Media	194 226 254
PART 4	Programming	289
12	Programming Problems, Processes, and Practices Network Programs	291 309 345

PART 5	Effects	371
	Audience Measurement and Testing Social Consequences	373 404
PART 6	Controls	433
17	Agencies of Control FCC Administration of the Law Freedom and Fairness	435 466 500
Epilogue	Future of Electronic Media	533
Chapter 19	Future Prospects	535
Further Rea	ding	547
Bibliograph	у	563
Index		583

Contents

Exhibits and Boxed Features	xvii	1.9 Programs and Schedules	24
Preface	xxi	News and Public Affairs, 24 • Program Balance, 24 • Schedules, 25 • Audience Research, 25	
Prologue The World of Broadcasting	1	1.10 Transborder Broadcasting External Service Origins, 26 • Voice of	26
Chapter 1 Global Context	3	America, 27 • Surrogate Domestic Services, 29 • BBC, 30 • Radio Moscow, 30 • Jamming, 31	
1.1 Convergence	3	1.11 U.S. Dominance	31
POTS and POBS, 4 • Telecommunications Perspective, 5 • Standardization, 6		Free Flow, Balanced Flow, 32 • UNESCO's	31
1.2 Common Grounds	7	Role, 32 • The "Media Box," 33	
The Spectrum as a Public Resource, 7 • Interference Prevention, 7 • Political Controls, 8		PART 1 Development	37
1.3 Political Philosophies	8	Chapter 2 The Rise of Radio	39
Permissive Orientation, 8 • Paternalistic Orientation, 9 • Authoritarian		2.1 Precedents	39
Orientation, 11 1.4 Pluralistic Trend	13	The Penny Press, 39 • Vaudeville, 40 • The Phonograph, 40 • Motion Pictures, 41	
Role of Motives, 13 • British Pluralism, 14	15	2.2 Wire Communication	41
1.5 Legal Foundations	15	The Land Telegraph, 41 • Submarine Cable, 42 • Bell's Telephone, 42 • AT&T (The Bell	
International Law, 15 • Domestic Laws, 16		System), 42	
1.6 Access to the Air	17	2.3 Big Business and Patents	43
Political Access, 17 • Public Access, 18 • Group Access, 19		Role of Patents, 43 • Electrical Manufacturing, 43	
1.7 Economics	19	2.4 Invention of Wireless	44
Facilities, 20 • Revenue Sources, 20 • Transborder Advertising, 21 • Program Economics, 22		Conflicting Claims, 44 • Marconi's "Releasing Touch," 44 • Signal Generation, Detection, and Amplification, 46 •	
1.8 Geography	23	De Forest's Audion, 46 • De Forest and the Feedback Circuit, 46	

2.5 Initial Development of Wireless	417	3.2 Radio Controversies	72
Services Maritime Service, 47 • Transoceanic Wireless, 47 • Box: The Titanic Disaster, 48 • Wireless in World War I, 49	47	Live Music Era, 72 • Music Performing Rights: ASCAP and BMI, 72 • Union Battle Against Recordings, 73 • Press-Radio "War," 73	
2.6 Experiments with Radiotelephony	49	3.3 Television and FM Radio	74
Fessenden's 1906 ''Broadcast,'' 49 • De Forest's Experiments, 50		Why TV Took So long, 74 • Mechanical TV, 75 • Electronic Television, 75 • FM's	
2.7 Government Monopoly: The Road Not Taken	51	Troubled Origins, 77 • Program Recordings, 78 • Development of LP Recording, 79	
The Navy's Claims, 51 • The Alternator		3.4 Broadcasting at War (1938-1946)	79
Issue, 51 • RCA Founded, 52 • Cross- Licensing: Phase 1, 52		Radio News, 80 • Box: Edward R. Murrow, 81 • Television During and After the War, 81	
2.8 The "First" Broadcast Station	53		
Amateur Beginnings, 53 • Opening of KDKA, 53 • The Listeners, 54 • KDKA's		3.5 Radio Networks: Development and Decline	82
Success, 55 • Competition Begins, 55		Chain Broadcasting Investigation, 82 • CBS vs. NBC, 83 • Mutual Broadcasting System,	
2.9 Radio Broadcasting vs. Radiotelephony	55	83 • American Broadcasting Company, 83 • Network Decline, 84	
Radio Group Station, 55 • Telephone Group Station, 56 • Rival Theories, 57 • "Toll"		3.6 Television at Last	84
Broadcasting, 57 • AT&T Monopoly on Radio Advertising, 57 • ''Chain'' Broadcasting, 58 • New Cross-Licensing Agreements, 58		Freeze Imposed (1948-1952), 85 • Sixth Report and Order (1952), 85 • UHF Dilemma, 87 • Color Rivalry, 88	
2.10 Evolution of Radio	59	3.7 The TV Age Begins	89
NBC Organized, 59 • Paley and CBS, 59 • Doubts About Commercialism, 60 • Box: Sarnoff and Paley, 61 • A Still, Small Voice, 62		Three Networks, 89 • Weaver's Innovations at NBC, 90 • CBS Leadership, 90 • ABC Seizes the Lead, 91 • The "Live Decade": 1948-1957, 91 • Production Moves to Hollywood, 91 • Feature Films, 93	
2.11 Government Regulation	62	-	04
Regulation of Wire, 62 • Maritime Wireless		3.8 Radio Responds to Television	94
Regulation, 62 • Failure of the 1912 Act, 63 • National Radio Conferences, 63 • Zenith Decision, 63 • Radio Act of 1927, 65		Radio's Identity Crisis, 94 • The Role of Rock, 94 • Top-40 Radio, 94 • FM's Triumph, 95	
		3.9 Ethical Crises	96
Chapter 3 From Radio to Television	67	Quiz Scandals, 97 • Blacklisting, 98 • The	
3.1 Radio During the Great Depression (1929-1937)	67	Faulk Case, 99 • Murrow Confronts McCarthy, 99 • FCC Payoffs, 100	
Creation of the FCC, 68 • Broadcast Conservatism, 68 • Programming Excesses,		Chapter 4 Era of Electronic Media	103
70 • Network Development, 71 • Radio Comedu. 71		4.1 The Limits of Television	103

Unfulfilled Demand, 103 • Interim Services,		5.3 Radio Waves	134
103 • Basis for Change, 104	104	Frequency-Wavelength Relationship, 134 • Carrier Waves, 135	
4.2 Rise of Cable Television	104	5.4 Modulation	135
Origins, 104 • Cable Augmentation, 104 • Big-City Cable, 105 • Protectionist Regulation, 105 • 1972 Rules, 105 • Deregulators, 106		Energy Patterns, 135 • Transduction, 136 • Sidebands, 136 • Channels, 136 • AM and FM, 136	155
4.3 The Cable Establishment	107	5.5 Digital Signal Processing	139
Domsats, 107 • The Entrepreneurs: HBO and Turner, 108 • The Interactive		Digital Encoding, 139 • Bit Speed, 139	
Experimenters, 109		5.6 Wave Propagation	141
4.4 Pay Television	109	Coverage Contours, 141 • Direct Waves, 141 • Ground Waves, 142 • Sky Waves,	
Rise and Fall of STV, 110 • Single vs. Multiple Channels, 111 • MDS and MMDS, 111 • SMATV, 111		142 • Propagation and Frequency in Summary, 143	
4.5 Traditional Broadcasting	114	5.7 Antennas	144
Regulatory Parity, 114 • Television Network Competition, 114 • FCC Network Investigation, 115 • Radio Expansion, 115	114	Length, 144 • AM Antennas, 144 • FM and TV Antennas, 144 • Short-Wave Antennas, 144 • Directional Antennas, 146	
	114	5.8 Spectrum Conservation	146
4.6 Public BroadcastingOrigins, 116 • National System, 116 • Satellite Distribution, 117	116	Frequency Allocation, 146 • Demands on Spectrum, 147 • Conservation Measures, 148 • Guided Waves, 148	
4.7 Home Video Center	117		
The Chip, 117 • Home Recording, 118 • Discs, 118 • VCR Boom, 119 • Impact, 119		Chapter 6 Technology of Traditional Broadcasting	150
4.8 Developments to Come	121	6.1 Gaining Access to the Spectrum	150
Teletext and Videotex, 121 • DBS, 121 • HDTV and Stereo TV, 124 • Too Much		Spectrum Regulation, 150 • U.S. Channel Allotment, 150 • Channel Capacity, 151	
Technology?, 124		6.2 Interference	151
		Co-channel Interference, 151 • Adjacent Channel Interference, 152	
PART 2 Technology	127	6.3 AM Stations	152
Chapter 5 Basic Physical Concepts	129	Channel Location and Size, 152 • Channel Classes, 152 • Station Classification, 153 •	
5.1 Electromagnetic Spectrum	129	Power, 153 • Carrier Current, 153	
5.2 Sound Waves	130	6.4 FM Stations	153
Wave Motion, 131 • Wave Motion Analyzed, 131 • Phase, 131 • Overtones, 131 • Acoustic Environments, 133		Channels, 153 • Coverage, 154 • Station Classes, 154 • Signal Quality, 154 • Multiplexed Services, 154	

6.5 Short-Wave Stations	155	Microwave Relays, 178 • Optical Fiber	
Propagation, 155 • U.S. Short-Wave Stations, 155		Cable, 178	
Stations, 155		7.5 Space Relays	178
6.6 Pictures in Motion	155	Advantages of Space Relays, 179 •	
Resolution, 156 • Frame Frequency Standards, 156 • Prevention of Flicker, 156		Geostationary Orbit, 179 • Spectrum Allocations, 181 • Reception, 181 • Construction and Launch, 182	
6.7 Electronic Pictures	157	7.6 Over-the-Air Hybrids	182
Camera Picture Tube, 157 • Scanning Standards, 158		Rebroadcasting, 182 • Translators, 184 • ITFS and MDS, 185 • Teletext, 185 •	
6.8 The TV Signal	159	DBS, 186	
Picture Definition, 159 • Auxiliary Signals,		7.7 Cable Television	186
160 • Sound, 160 • Color, 160		The Cable TV System, 186 • Cable	
6.9 The TV Channel	161	Channels, 188	
Channel Architecture, 161 • Picture		7.8 Special Cable Features	189
Resolution, 161 • Location in Spectrum, 162		Pay Cable, 189 • Interactive Cable, 189 •	
6.10 TV Transmission and Reception	163	MATV/SMATV, 189 • Cabletext, 189 • Videotex, 190	
Studio, 163 • Transmission, 163 • Reception, 163		·	
6.11 Technical Innovations	165		
Miniaturization, 165 • Remote Equipment, 166 • Receiver Improvements, 166 •		PART 3 Economics	193
Ancillary Signals, 168		Chapter 8 Stations, Systems, and Networks	194
Chapter 7 Delivery, Distribution, and Storage	170	8.1 The Commercial Broadcast Station	194
7.1 Basic Concepts	170	Station Organization, 194 • Low-Power Television, 197 • Group Ownership, 197	
Delivery, 170 • Syndication, 170 • Storage, 171 • Distribution, 171 • Relays, 171 • Convergence, 172		8.2 Commercial Broadcast Networks and Affiliates	198
7.2 Sound Recording	172	Network Organization, 199 • Affiliation vs. Independence, 199 • Network-Affiliate	
Discs, 172 • Tape, 173		Contract, 201 • Regulation of Network- Affiliate Contracts, 202 • Network-Affiliate	
7.3 Picture Recording	174	Relations, 203	
Kinescopes, 174 • Videotape, 174 • VCRs,		8.3 Noncommercial Broadcasting	205
176 • Laser Video, 176 • Role of Computer Memories, 176		Television Stations, 206 • Radio Stations, 207 • The Corporation for Public	
7.4 Terrestrial Relays	177	Broadcasting, 208 • The PBS-Affiliate Relationship, 208 • National Public	
Interconnection 177 . Coariel Cable 177 .		Padio 200	

8.4 Cable Systems and Networks	210	TV Station Rates, 240 • TV Network	
System Organization, 210 • System Interconnection, 211 • Multiple System		Rates, 240 • Cable Television Rates, 242 • Variant Rate Practices, 242	
Operators, 211 • Cable Networks, 212 • Basic Cable Networks, 212 • Pay Cable		9.6 Selling Advertising	243
Networks, 213 • Superstations, 215		Local Sales Departments, 243 • Regional and National Sales, 244 • Advertising	
8.5 Employment	217	Agency Functions, 245 • Financial Role	
Size of Work Force, 217 • Salary Scales, 219 • Women in Broadcasting and Cable, 219 •		of Agencies, 246 • Proof of Performance, 247	
Box: A Woman's Place Is in the Newsroom, 220 • Minorities, 221 •		9.7 Advertising Standards and Practices	247
Unions, 221 • Employment Opportunities, 222 • Box: Advice for Job Seekers, 223		Evolution of Standards, 247 • No Mandatory Time Standards, 248 • Voluntary Time Standards, 248 • Standards of Taste, 248 • Industry Standards	
Chapter 9 Broadcast and		and Practices, 249 • Deceptive	
Cable Advertising	226	Advertising and the FTC, 250 • Children's-Advertising Standards, 251	
9.1 Advantages of Broadcast	201	 Loudness, 252 Unethical Business 	
Advertising	226	Practices, 252	
Access to Consumers, 226 • Timeliness, 226 • Ability to Demonstrate, 227 •		Charles 40 Oct - F	
Entertainment Value, 227 • Attention- Holding Value, 227 • Status Value, 228 • Flexibility of Coverage, 228		Chapter 10 Other Economic Aspects of Electronic Media	254
		10.1 Financial Framework	254
9.2 Disadvantages of Broadcast Advertising	230	A Money Machine?, 254 • Role of Broadcast-Market Size, 256 • Influences on	
Inflexibility of Coverage, 230 • Cost, 231 •		Profit, 257	
Transience, 231 • Commercial Limitations, 231 • Clutter, 232		10.2 Program Economics	258
9.3 Broadcast Commercials and Announcements	232	Local Station Programming and News, 258 • Local Production, 259 • Syndicated-Program	
Sponsor Identification, 232 • Trafficking of		Acquisition, 259 • Network-Program Procurement, 261 • Production-Cost	
Commercials, 233 • Avoiding Product		Allocation, 262 • Program Guides, 262	
Conflicts, 233 • Sponsored Programs, 233 • Participation Programs, 233 • Sustaining		10.3 Subscription and Other Supports	263
Programs, 233 • Station Breaks, 234 •		Cable Subscription Fees, 263 • Box: TV	
Promotional and Public-Service Announcements, 234		Guide: A Powerful Influence on the	
9.4 Cable Advertising	234	Electronic Media, 264 • Control of Subscription Rates, 266 • Other	
Cable Advertising Advantages, 234 • Cable		Subscription Services, 267 • Industry-Supported Cable, 267	
Advertising Disadvantages, 235 • Interactive Cable Systems, 236		• SCAs and VBIs, 268 • Production as a Revenue Source, 270	
9.5 Advertising Rates	236	10.4 Capital Investment	270
Pricing Factors, 236 • Box: Calculating CPM, 237 • Radio Station Rates, 237 •		Broadcasting, 271 • Cable, 271 • Satellites,	

10.5 Buying and Selling Properties	272	Network Television Scheduling, 304 • Radio and Cable Scheduling, 304	
Ownership and Trafficking Rules, 273 • Sales of Broadcast Properties, 273 • Pricing		11.6 Appraising the Program Services	305
Broadcast Properties, 273 • Television Network Transactions, 275 • Box: Ted Turner — "Captain Outrageous," 276 • Sales of Cable Systems, 278 • Cable Network Transactions, 279		A "Vast Wasteland"?, 305 • Limits on Choice, 306 • Audience Expectations, 307	
10.6 Funding Public Broadcasting	280	Chapter 12 Network Programs	309
Contrast with Commercial Television, 280 •		12.1 Distribution by Networking	310
Funding Sources, 280 • Government Role, 280 • Long-Range Funding, 281 • The NPR Crisis, 283 • Program Underwriting, 283 • Advertising on Public Television, 284 •		Structured Commercial Program Service, 311 • Noncommercial Networks, 311 • Commercial and Noncommercial Network Parallels, 312	
Other Approaches, 285		12.2 Prime-Time Entertainment	312
PART 4 Programming	289	Bimodal Appeal, 312 • Series Demographics, 313 • Series Cancellation, 314 • Series Clones and Spin-offs, 314 • Situation Comedies, 315 • Police and Detective Dramas, 317 • Theatrical Films, Made-for-TV Movies, and Miniseries, 317	
Chapter 11 Programming Problems, Processes, and Practices	291	 Public Television, 318 Culture on Cable, 319 	
11.1 The Problems: Program Shortage	201	12.3 Non-Prime-Time Programs	319
and Advertiser Appeal The Parsimony Principle, 291 • Targeting	291	Soap Operas, 320 • Game Shows, 321 • TV Talk Shows, 323 • Video Music, 325	
and Segmentation, 292		12.4 The Role of Network Sports	325
11.2 Program Production Processes	293	Sports and Audience Interest, 326 •	
Role of Hollywood Studios in Television, 293 • Box: The Big Studios, 294 • Independent Producers, 295 • Network News Production, 2007		Scheduling Problems, 326 • Box: ABC's 1984 Summer Olympics, 327 • Ethical Issues, 328	
296 • Local News and ENG, 297 • Nonlocal News Sources, 298		12.5 Network Children's Programs and Other Educational Programs	329
11.3 Changes in Entertainment Production Strategies	298	Dimensions of Children's Television, 329 • ACT's Petition, 330 • Sesame Street and	
New Cable Production, 298 • Box: Movie Production and Targeting, 299 • Mini- Network Production, 300 • The Scale of Competition, 301		Children's Television Workshop, 331 • Other Children's Programs, 332 • Broadcasts to Classrooms, 333 • Nontraditional Educational Television, 333	
11.4 Programming Practices	301	12.6 Network Television News	334
Dayparting, 301 • Audience Flow Strategies, 301		Quantity and Popularity, 334 • Expansion of Network Newscasts, 334	
11.5 Scheduling Strategies	302	12.7 Public Affairs	337
Local Television Scheduling, 303 •		Influence of Technology, 338 • 60 Minutes, 33	8 •

Other Public-Affairs Formats, 339 • Public Affairs on Public Television, 339		PART 5 Effects	371
12.8 Radio Networks News Specialization, 340 • Radio Talk, 341 • Networking vs.	340	Chapter 14 Audience Measurement and Testing	373
Syndication in Radio, 342		14.1 The Ratings Business	373
 Public Radio Services, 342 Chapter 13 Nonnetwork Programs 13.1 Local Program Content 	345 345	Media Comparisons, 373 • Arbitron and Nielsen, 374 • Local Ratings, 374 • Network Ratings, 376 • Rating the New Services, 376 • Special Studies, 376	
•		14.2 Collecting Set-Use Data	378
13.2 Distribution by Syndication How TV Syndication Works, 346 • Prime- Time Access Rule, 347 • Box: PTAR Fallacies, Exemptions, and Exceptions, 348	345	Diaries, 378 • Meters, 378 • Coincidental Telephone Calls, 380 • Telephone Recall, 382 • People Meters, 382 • Personal Interview, 383 • Combinations, 383	
13.3 Off-Network Syndication	349	14.3 Ratings Concepts	383
•	349	Market Delineation, 383 • Units of	
13.4 First-Run Syndication Box: Entertainment Tonight, 350 • Barter Syndication, 351 • Prime-Time Syndication, 351 • Quality and Opportunity in	347	Measure, 384 • Derivation of Ratings, 384 • HUTs and Shares, 385 • Cumes, 386 • Demographics, 387	
Syndicated TV, 352		14.4 Sampling	387
13.5 Local News	352	Sampling to Simplify, 387 • Random Samples, 388 • Sample Frames, 388 •	
Local News Controversies, 353		Sample Turnover, 389 • Choice of Sample Size, 389 • Sampling Error, 389 • Response	
13.6 Cable Access Programming	354	Rate, 390 • Compensations for Sampling Deficiencies, 391	
13.7 Syndicated Religious Programming	355	14.5 Broadcast Audiences	391
Move from Television to Cable, 355 • Origins of TV Evangelism, 356 • Dimensions of Religious Broadcasting, 356 • Issues in Politics and Religion, 358		Size Potential, 391 • Actual Size, 391 • Size Stability, 392 • Tuning Inertia, 392 • Time Spent, 393 • Demographic Influences, 393	
13.8 Other Types of TV Syndication	359	14.6 Audiences for Cable and Newer	
13.9 Radio Syndication	359	Media	395
Audience Definition, 360 • Station Automation, 360 • Format Syndicators, 362 • Feature Syndicators, 362		The Research Problem, 395 • Measures of Penetration, 396 • Timeshifting, 396 • Competition, 398	
13.10 Radio Formats	363	14.7 Use and Abuse of Ratings	398
Music Formats, 363 • Information Formats, 364 • Religious Radio Formats, 366 • Box: Pacifica Radio, 367 • Community Radio, 367		Ratings Investigation, 398 • Industry Self-Policing, 398 • Reliability of Ratings, 398 • Validity of Ratings, 399 • Tampering and Hypoing, 399 • Oualitative Ratings, 399	

14.8 Nonrating Research	400	PART 6 Controls	43 3
Definition, 400 • Concept Research, 400 • Program Analysis, 400 • Theater vs. In-Home Testing, 401 • Physiological Testing,		Chapter 16 Agencies of Control	435
401 • Test Markets, 401 • Research on		16.1 Constitutional Context	435
Children, 402 • Audience Response, 402 Chapter 15 Social Consequences	404	Scarcity Factor, 435 • Broadcasting as Commerce, 436 • FCC's Relation to Congress, 436 • Constitutional Challenges, 438	
15.1 Approaches to Research	404	16.2 Communications Act Basics	420
Need for Unifying Theory, 405 • Effects Model, 405 • Uses-and-Gratifications Model, 406 • Accommodation Model, 407		Passage, 438 • Organization, 439 • Definition of Broadcasting, 439 • Provisions for the FCC, 440 • Origins of Public-Interest	438
15.2 Methods of Studying Consequences	408	Standard, 441 • Definition of Public Interest, 442	
The People Problem, 408 • Sample Surveys, 408 • Content Analysis, 408 • Laboratory		16.3 Communications Act Issues	442
Experiments, 409 • Field Studies, 410 • Field Experiments, 410		Favorable View, 442 • Amendments, 443 • Contrary View, 443 • Rewrites, 444 • Marketplace-Based Alternatives, 445	
15.3 Consequences of Advertising	411	· · · · · · · · · · · · · · · · · · ·	
Advertising as Subsidy, 411 • Synthesizing Wants, 411 • Power of Advertising, 411 • Advertising to Children, 412		16.4 Telecommunication Policy NTIA, 446 • Federal Spectrum Users, 446 • Policy Trends, 446	445
15.4 News Impact	412	16.5 Copyright	448
Gatekeeping, 413 • Agenda Setting, 413 • Media News Staging, 414 • Pseudoevents Staged by News Subjects, 414 • Publicity Crimes, 415 • Effects on Subjects of News		Basics, 448 • Broadcast Music Licensing, 449 • Cable Issues, 449 • Domestic Piracy, 451 • International Piracy, 452	
Coverage, 416 15.5 Consequences for Political Life	416	16.6 Other Laws Affecting Electronic Media	453
Crisis Management, 416 • Election Campaigns, 417 • Presidential Television, 419 • Congressional Television, 420 • Television's First War, 421 • More Wars, 424	110	International Treaties, 453 • Law of the Press, 453 • Advertising Regulation, 454 • Antitrust Laws, 454 • Lottery and Obscenity Laws, 454 • Equal Employment Opportunities, 455 • State and Local	
15.6 Entertainment	424	Regulation, 455	
Stereotypes, 424 • World of Fiction, 425 • Socialization, 425 • Significance of Time Spent, 426		16.7 Informal Controls Congressional Intervention, 456 • Executive Branch Intervention, 456	456
15.7 Impact of Violence	426	 Court Review, 458 Citizen Action, 458 Consumerism, 460 Consumer 	
Direct Imitation, 427 • Generalized Effects, 427 • Violence and Perceptions of Reality, 428 • Desensitization, 428 • In Defense of Violence, 429		Standing and the WLBT Case, 460 • Consumerism in Decline, 461 • Industry Codes, 463 • Professional Self- regulation, 463 • Press Criticism, 464	

Chapter 17 FCC Administration of the Law	466	 Aftermath of Deletion, 496 Lesser Penalties, 496 	
17.1 FCC Basics Regulatory Agencies, 466 • Budget and Organization, 466 • Commissioners, 467 • Staff Roles, 467 • Rule Making, 468 • Adjudication, 469 • Informal Regulation, 470	466	17.9 FCC Issues Commissioner Appointments, 497 • Ex Parte Contacts, 497 • Regulation as Myth, 498	496
17.2 Deregulation	470	Chapter 18 Freedom and Fairness	500
Radio Deregulation, 471 • TV and Network	170	18.1 First Amendment Basics	500
Deregulation, 471 • Cable Deregulation, 472 • Technical Standards, 474 • New Services, 475 17.3 Licensing	475	Theory, 500 • "No Such Thing as a False Idea," 500 • Private vs. State Censorship, 501 • Freedom of Religion, 501 • Uniqueness of Electronic Media, 502 • "Composition	
"Ownership" of Channels, 475 •		of the Traffic,'' 502	
Finding a Channel, 476 • Permits and Applications, 476 • Licensee		18.2 Unprotected Speech	503
Qualifications, 477 • Mutually Exclusive Applications, 478 • Lotteries, 478 • Licensing of Auxiliary Services, 479 • Cable Franchising, 479		Chilling Effect, 503 • Box: The First Amendment, 503 • Libel, 504 • Invasion of Privacy, 506 • Evolution of Obscenity Law, 507 • Obscenity in Broadcasting, 508	
17.4 Operating Under License	479	 Cable Obscenity Issues, 509 Free Press vs. Fair Trial, 509 	
Nondelegable Responsibility, 479 • Employment Policies and Practices, 479 • Public File, 480 • Dealing with the FCC, 481 • Appraisal of Licensee Performance, 481		18.3 Control over Programs Localism, 510 • Programs for Needy Groups, 513	510
17.5 License Renewal	482	18.4 Regulated Fairness	513
Renewal Application Routes, 482 • Contested Renewals, 484 • Dilemma: Renewal Criteria, 486 • Cable Franchise Renewal, 487	•	Access to Means of Expression, 513 • Evolution of Fairness Doctrine, 514 • Attacks and Editorials, 514 • Judicial Affirmation: Red Lion, 515 • Box: A Place and a Case Called	
17.6 The Cable Policy Act	487	Red Lion, 516 • Summary of Fairness	
Cable Rules, 487 • Local Authorities, 488		Doctrine Obligations, 516 • Fairness in Advertising, 519 • Future of the	
17.7 Mass Media Ownership Regulation	489	Fairness Doctrine, 520	
Diversification, 489 • Multiple Ownership,		18.5 Fairness and News	521
489 • Cross-Media Ties, 490 • Ownership by Minorities, 491 • Network Ownership, 491		Role of Editorial Discretion, 521 • News Bias, 522 • Documentaries, 522	
17.8 Enforcement	402	18.6 Political Broadcasts	524
Appeals and Hearings, 492 • Court Appeals, 493 • Losses of License, 493	492	"Equal Opportunities" for Candidates, 524 • Candidates in the News, 524 • Political Rules in Practice, 525	