

CONTENTS

Contributors xi

About the companion website xiii

New Keys to the World of Sound 3

Trevor Pinch and Karin Bijsterveld

SECTION I REWORKING MACHINE SOUND: SHOP FLOORS AND TEST SITES

1. The Garden in the Machine: Listening to Early American Industrialization 39

Mark M. Smith

2. Turning a Deaf Ear? Industrial Noise and Noise Control in Germany since the 1920s 58

Hans-Joachim Braun

3. “Sobbing, Whining, Rumbling”: Listening to Automobiles as Social Practice 79

Stefan Krebs

4. Selling Sound: Testing, Designing, and Marketing Sound in the European Car Industry 102

Eefje Cleophas and Karin Bijsterveld

SECTION II STAGING SOUND FOR SCIENCE AND ART: THE FIELD

5. Sound Sterile: Making Scientific Field Recordings in Ornithology 127

Joeri Bruyninckx

6. Underwater Music: Tuning Composition to the Sounds of Science 151

Stefan Helmreich

7. A Gray Box: The Phonograph in Laboratory Experiments and Fieldwork, 1900–1920 176

Julia Kursell

SECTION III STAGING SOUND FOR SCIENCE AND ART: THE LAB

8. From Scientific Instruments to Musical Instruments: The Tuning Fork, the Metronome, and the Siren 201

Myles W. Jackson

9. Conversions: Sound and Sight, Military and Civilian 224

Cyrus C. M. Mody

	10. The Search for the “Killer Application”: Drawing the Boundaries around the Sonification of Scientific Data	249
	<i>Alexandra Supper</i>	
SECTION IV	SPEAKING FOR THE BODY: THE CLINIC	
	11. Inner and Outer Sancta: Earplugs and Hospitals	273
	<i>Hillel Schwartz</i>	
	12. Sounding Bodies: Medical Students and the Acquisition of Stethoscopic Perspectives	298
	<i>Tom Rice</i>	
	13. Do Signals Have Politics? Inscribing Abilities in Cochlear Implants	320
	<i>Mara Mills</i>	
SECTION V	EDITING SOUND: THE DESIGN STUDIO	
	14. Sound and Player Immersion in Digital Games	347
	<i>Mark Grimshaw</i>	
	15. The Sonic Playpen: Sound Design and Technology in Pixar’s Animated Shorts	367
	<i>William Whittington</i>	
	16. The Avant-Garde in the Family Room: American Advertising and the Domestication of Electronic Music in the 1960s and 1970s	387
	<i>Timothy D. Taylor</i>	
SECTION VI	CONSUMING SOUND AND MUSIC: THE HOME AND BEYOND	
	17. Visibly Audible: The Radio Dial as Mediating Interface	411
	<i>Andreas Fickers</i>	
	18. From Listening to Distribution: Nonofficial Music Practices in Hungary and Czechoslovakia from the 1960s to the 1980s	440
	<i>Trever Hagen with Tia DeNora</i>	
	19. The Amateur in the Age of Mechanical Music	459
	<i>Mark Katz</i>	
	20. Online Music Sites as Sonic Sociotechnical Communities: Identity, Reputation, and Technology at ACIDplanet.com	480
	<i>Trevor Pinch and Katherine Athanasiades</i>	
SECTION VII	MOVING SOUND AND MUSIC: DIGITAL STORAGE	
	21. Analog Turns Digital: Hip-Hop, Technology, and the Maintenance of Racial Authenticity	505
	<i>Rayvon Fouché</i>	

-
22. iPod Culture: The Toxic Pleasures of Audiotopia 526
Michael Bull
23. The Recording That Never Wanted to Be Heard and Other
Stories of Sonification 544
Jonathan Sterne and Mitchell Akiyama
- Index* 561