

CONTENTS

	Page
LIST OF TABLES	viii
LIST OF FIGURES	ix
INTRODUCTION	10
LITERATURE REVIEW.....	16
SIGNIFICANT FINDINGS	26
 Chapter	
1. CAUGHT OFF GUARD.....	28
1.1 A Telling Event.....	28
1.2 The Problem.....	31
1.3 NOAA Weather Radio: A Ready Solution.....	32
2. HOW WE GOT HERE—DISSEMINATION, FROM THE ARMY SIGNAL SERVICE TO NOAA WEATHER RADIO	37
3. GENESIS AND EVOLUTION OF THE NOAA WEATHER RADIO PROGRAM	54
3.1 The First VHF-FM Weather Broadcasts	54
3.2 VHF Broadcasts Cease, then Restart.....	55
3.3 Expanding Reach and Mission.....	60
3.4 Tone Alerts	61
3.5 Superoutbreak Brings a New Mandate.....	64
3.6 Popular Interest and Support Keep Growing.....	70
3.7 Digital Signaling—NOAA Weather Radio Keeps Pace	75
3.8 Synthesized Voice.....	79
3.9 The Gore Initiative and Other Weather Radio Promotional Efforts	83

4. HOW NOAA WEATHER RADIO FITS INTO THE NATION'S ATTACK ALERT SYSTEM	95
4.1 NOAA Weather Radio and EAS Complementary Systems	95
4.2 CONELRAD.....	96
4.3 EBS.....	97
4.4 EAS	98
4.5 The EAS and NOAA Weather Radio, Post-9/11	103
5. WORKING TOWARD THE NEXT GENERATION OF DISSEMINATION DEVICES...AT GLACIER SPEED.....	113
6. LACK OF NOAA WEATHER RADIO AWARENESS A CONTINUING PROBLEM—EVEN WITHIN GOVERNMENT	115
7. CONCLUSION.....	117
8. RECOMMENDATIONS	120
APPENDIX A: TODAY'S FULL RANGE OF NATIONAL WEATHER SERVICE DISSEMINATION OPTIONS	122
APPENDIX B: VALID EMERGENCY ALERT SYSTEM CODES FOR ORIGINATING AGENCY AND EVENT TYPE	126
APPENDIX C: ATTACK PROCEDURES	128
APPENDIX D: EXCERPTED COMMENTS FROM NWR ADVOCATES TO THE UNITED STATES DEPARTMENT OF JUSTICE CONCERNING THE PROPOSED HOMELAND SECURITY ALERT SYSTEM	130
11. WORKS CITED	133