

# Contents

List of Figures	vii
List of Tables	ix
Acknowledgments	xi
Chapter 1. Introduction	1
Chapter 2. Notation and Conventions	13
Chapter 3. Affine Root Systems	15
Chapter 4. A Refinement of Van der Lek's Presentation	25
Chapter 5. The Coxeter Presentation	31
Chapter 6. Automorphisms	43
Chapter 7. (Anti)Involutions and Diagram Automorphisms	53
Chapter 8. Reductive Group Data	57
Chapter 9. Extended Double Affine Artin Groups	61
Chapter 10. Hecke Algebras	71
Appendix A. Combinatorial Results	79
Appendix B. Non-Coxeter Groups	87
Bibliography	89