

CONTENTS

| | |
|---|-----|
| PREFACE | v |
| §1. Dirichlet's L-functions | 3 |
| §2. Generalized Bernoulli Numbers | 7 |
| §3. p-Adic L-functions | 17 |
| §4. p-Adic Logarithms and p-Adic Regulators | 36 |
| §5. Calculation of $L_p(1; \chi)$ | 43 |
| §6. An Alternate Method | 66 |
| §7. Some Applications | 88 |
| APPENDIX | 100 |
| BIBLIOGRAPHY | 105 |