

1. Acknowledgements.

It is a pleasure to acknowledge the mathematical assistance I received from Joe Buhler, Pierre Deligne, Ken Kramer, Barry Mazur, Gilles Robert, David Rohrlich, Jean-Pierre Serre, and Don Zagier. I also wish to thank Lauri M. Hein for the excellent job of typing. Much more than thanks are due my family and friends -- Debby Gans, Ian Morrison, and Jane Reynolds -- who kept me distracted during the write-up. Finally, I want to thank my teacher, John Tate, for all the inspiration and support he gave me in the course of this work.

Princeton, New Jersey

July, 1979