## 2 Acknowledgement

We wish to thank the many mathematicians and computer scientists who have contributed to this research: David Cantor, Ching-Li Chai, Eric Kaltofen, Barry Mazur, Victor Miller, Andrew Odlyzko, Jonathan Pila, Carl Pomerance, Ken Ribet, René Schoof, Harold Stark, Noriyuki Suwa and William Waterhouse.

We wish to thank the editors and the referees of this monograph for their patience and guidance.

We owe special thanks to Mike Fried, Hendrik W. Lenstra Jr., Kevin McCurley and J.-P, Serre.

