Preface

Non-Newtonian GFD was the theme of the 2003 Geophysical Fluid Dynamics Summer Study Program. Professor John Hinch (University of Cambridge) gave the principal lectures, which amounted to a thorough introduction to the fluid dynamical foundation of the subject. As usual, the principal lectures were followed by a variety of seminars, covering a wide range of fields, some non-Newtonian, others not.

One newer enterprise this summer was the introduction of a special GFD lecture, intended for a more general audience. This summer's lecture was given by Andy Woods (BP Professor, University of Cambridge), on the general subject of "Volcano Mechanics". Andy presented material covering the current thinking on the geological processes at work in volcanoes, and ideas on how we might model the phenomena from a theoretical perspective. The talk was held in Redfield Auditorium and was attended by almost fifty people, drawing in members of the Oceanographic Institution and the local community, in addition to the program participants. The talk was followed by an enjoyable reception.

This year's Fellows meshed together fairly well. The Fellows' exploits included some notable successes on the softball field (against both the other WHOI teams and the staff team at the summer's close). Their academic accomplishments can be viewed elsewhere in this volume.

Jean-Luc Thiffeault must be thanked for his tireless service of the computers. I also thank Shreyas Mandre for his important contributions in creating this volume. Regarding the every day scientific and educational aspects of the program, special acknowledgements go to Oliver Buhler, Claudia Cenedese, Jean-Luc Thiffeault and George Veronis, and to Keith Bradley for his assistance in the Lab.

The program continues to be indebted to the W.H.O.I. Academic Programs Office, who once more provided a perfect atmosphere in which to run the program. This year Janet Fields stepped down as the administrator of the program, and her place in the cottage was competently filled by Jeanne Fleming and Penny Foster. However, all three helped to ensure that the summer ran smoothly.

Neil J. Balmforth
26th August 2003