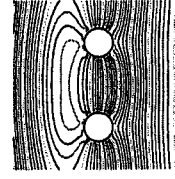
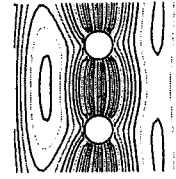
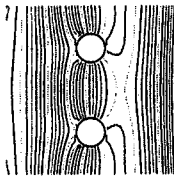
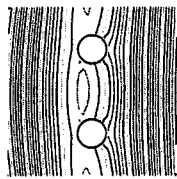


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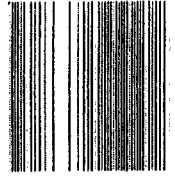
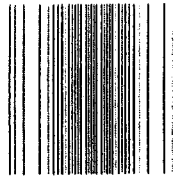
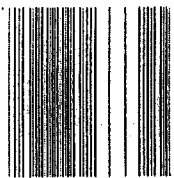
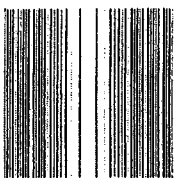
Tenth International

**WORKSHOP ON WATER WAVES
AND FLOATING BODIES**



2 - 5 April 1995

Oxford



Proceedings of the

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ABSTRACT

The Workshop was held at the Department of Engineering Science and St Hugh's College, Oxford, from 2nd to 5th April 1995. It was attended by 85 specialists conducting theoretical research on the interactions of water waves with floating or submerged bodies. This publication contains extended abstracts of the presentations, and summaries of the discussions.

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PREFACE

The Tenth International Workshop on Water Waves and Floating Bodies was held in Oxford from 2nd to 5th April 1995.

A total of 58 papers was presented, and the 85 participants comprised the authors, session chairmen, and representatives of sponsoring organisations. The atmosphere was informal, and this together with the high level of the technical presentations ensured that the discussion (both during and outside the sessions) was deep and fruitful. This is a hallmark of these Workshops, and can undoubtedly be held responsible over the years for stimulating some major new thinking in the area of marine hydrodynamics.

As usual, the papers were selected on the basis of extended abstracts. This year a record number of abstracts was submitted, and the organisers reluctantly had to decline several which would have made interesting presentations. This is undoubtedly a sign of the good health of these Workshops and the vigour of the community they serve. There is no shortage of new blood. This must be encouraged, while at the same time avoiding the temptation to expand the Workshops to the point where they lose important ingredients, such as close collaboration subtly mixed with friendly competition.

The following pages contain the extended abstracts on which the presentations were based, in alphabetical order of the first author's name. Where participants provided a written record of their discussion, this follows the relevant paper, with the authors' replies. Also included is a list of names and addresses of all participants.

Support for this Workshop was kindly provided by Exxon Production Research Company, Statoil, U.S. Office of Naval Research, the Department of Engineering Science, and St Hugh's College. The financial support made it possible to provide travel assistance to participants who could not otherwise have attended, and helped to defray the administrative costs of mounting the Workshop and distributing the Proceedings. I am most grateful to these organisations for their support.

With the 1995 Workshop the series has completed its first decade. But this has a greater significance than the celebration of an important anniversary. The Workshops were conceived and nurtured by Professor Nick Newman of MIT and Professor David Evans of the University of Bristol. As will be known to recent participants, since the early days each Workshop has been hatched by the HEN: that is, the local Host + Evans + Newman have formed the Organising Committee for each Workshop. This troika has undertaken the selection of papers and overseen the general arrangements, and each H organiser has been able to rely on the wise judgement and experience of E and N. Now, after 10 years, David and Nick have given notice that they wish to withdraw from this rôle, and allow others to imprint their influence on the series. In future, the organising committee for each Workshop will consist of the Host and immediate predecessors. While it is clear that the series of Workshops is in very good heart, many previous participants will share the sentiments of past

hosts who regard this change as a significant milestone. They will also, I am confident, wish to see public recognition given to the enormous contribution that Nick Newman and David Evans have made to the scientific community through their promotion and organisation of the International Workshops on Water Waves and Floating Bodies, and to thank them for their hard work. We look forward to their continuing contributions in their capacities as individual participants at the Workshops.

Rodney Eatock Taylor
Oxford, May 1995

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