



## EDITOR-IN-CHIEF'S PREFACE

It is a pleasure to announce that JSV is taking on the task of continuing the publication of review papers on physical acoustics, which since 1964 has previously been provided by the Academic Press series of hardback volumes entitled *Physical Acoustics*, originally edited by W. P. Mason and latterly by A. D. Pierce and R. N. Thurston. Twenty-two of these volumes have appeared since 1964.

With the advent of quicker electronic publishing and the correspondingly more rapid availability of new results, it is believed that shorter, more up-to-date and frequent review articles, rather than the longer, less frequent ones which appeared in the *Physical Acoustics* volumes, can now better serve the interests of the scientific community.

To this end, Dr M. J. Buckingham has been appointed to the JSV Editorial Board as *Reviews in Physical Acoustics* Editor, responsible for soliciting appropriate, up-to-date, usually brief but always well documented review articles on all aspects of physical acoustics. Like all JSV papers, these will be subject to peer review. They will normally appear, under a separate subject heading, in the regular issues of JSV, but if appropriate they may constitute an entire issue.

As the scope of JSV has always been defined as including any aspect of sound and/or vibration, so the scope of "physical acoustics" as a JSV subject area is similarly defined in the widest possible sense as inclusive of any aspect of the physics of sound or ultrasound and/or vibration. This implies, for example, inclusion of any aspect of the physics of quantum acoustics and/or vibration, or of macroscopic acoustics and/or vibration, or even of engineering acoustics and/or vibration. The inclusiveness is restricted only by the implication that the physics of the phenomena involved be the main concern. As Editor-in-Chief, I hope that this addition of physical acoustics review articles to JSV pages will encourage all JSV contributors and readers to adopt the widest possible view of the scope of our subject, and to extend our collective knowledge of its physical fundamentals.

Information on how to contribute review articles on physical acoustics can be found in the new Information for Authors. Those wishing to propose contributions are invited to discuss these with (and/or send manuscripts of them to) the *Reviews in Physical Acoustics* Editor, Dr M. J. Buckingham, Marine Physical Laboratory, Scripps Institution of Oceanography, University of California San Diego, La Jolla, CA 92093-0213, U.S.A., e-mail: [mjb@mpl.ucsd.edu](mailto:mjb@mpl.ucsd.edu). In his preface, which follows this one, Dr Buckingham outlines his view of this new development, and states its editorial policy.

It is also my pleasure to announce that Dr S. R. Bishop of the Centre for Nonlinear Dynamics and its Applications, University College London, has joined the Editorial Board. This strengthens representation on the Board of the science of nonlinear vibrations, a topic of growing importance both in theory and in practice.

P. E. DOAK