solving the velocity equation for incompressible flow are then discussed in turn. A particularly useful chapter, which could well have been longer, is that which compares the relative merits of the approximate methods.

In the discussion of solutions to the temperature equation for incompressible flow, approximate methods are again given prominence. One way of gauging the accuracy of the approximate methods, used here as well as elsewhere in the book, is to compare with exact similar solutions. There are, however, several approximate methods which, because they are based directly on the similar solutions, can give good accuracy for wide ranges in the relevant parameters. While these are included in the book, they are perhaps not emphasized sufficiently.

The second half of the book deals with the compressible boundary layer, first with zero pressure gradient, then with zero heat transfer and finally when neither pressure gradient nor heat transfer is zero. Several methods for solving the equations are given for each of these conditions, but at the present time no single method possesses overwhelming advantages over others however the book, goes a long way in helping the reader to decide which method best suits his particular needs.

The final chapter discusses briefly the interactions between shock waves and boundary layers.

The book is well produced and keeps up the high standards set by these publishers in the past, although the soft covers will not long withstand the amount of use a book of this nature is likely to receive, particularly those copies which are placed in libraries.

As with any book which deals with a rapidly developing field, specialists may find that their own particular branch is not covered in sufficient detail and that some of the more recent work is not mentioned. The author is to be congratulated, however, for including so much that is both relevant and useful in this fairly slim volume.

H. L. EVANS

ANNOUNCEMENT

The Eighth Midwestern Mechanics Conference will be held on the Campus of Case Institute of Technology, University Circle, Cleveland 6, Ohio, 1–5 April, 1963.

This Conference is held every two years, the last having taken place at Michigan State University in September, 1961. The present Board of Directors consists of Professors Simon Ostrach, Chairman, and R. H. Scanlon, Secretary, both of Case; Peter Chiarulli, Illinois Institute of Technology; A. M. Kuethe, University of Michigan; and L. E. Malvern, Michigan State University.

The program will be broad in scope and will consist of technical sessions in the general areas of Applied Mechanics and Heat Transfer. A number of prominent speakers will present general lectures.

The submittal of papers in the areas of fluid and solid mechanics, heat transfer and related subjects is invited. Abstracts should be sent as soon as possible, to the Chairman, Professor Simon Ostrach, Engineering Division, Case Institute of Technology, University Circle, Cleveland 6, Ohio. Three copies of the paper are due by 1 November, 1962.