

BRADSHAW, P.

The understanding and prediction of turbulent flow

The "transport" equations representing the conservation of Reynolds stress have long been used as a framework for experiments. Modern computers have enabled us to use them as a framework for calculation methods also, thus facilitating interaction between experimenters and theoreticians. The increased realism of the new calculation methods, and their potential ability to calculate flows more complex than the thin shear layers to which Prandtl's boundary-layer approximation applies, should make them more attractive to design engineers. This review is an attempt to make common ground between the experimenter, the developer of calculation methods and the user of calculation methods.

HEESE, LUKE A.

Work study in aerospace

A large part of industrial engineering effort is devoted to "work study". This term is put in quotes since the activity as practiced is more than just "measuring" the time associated with some particular work activity. In practice the engineer also selects certain elements of an operation where possible to improve the method and procedure. In other words "work study" really means a complete study and description of the operation. This paper describes the manufacturing work measurement program as developed and implemented at North American Rockwell, Space Division.

Symposium on industrial relations in the aviation industry

Three papers given at an Air Law Group symposium on the above subject:—"Industrial Relations in the Aviation Industry" by L. Atherton, BOAC; "Industrial Relations in Civil Air Transport" by Tudor Thomas, Association of Professional, Executive, Clerical & Computer Staff; "An Independent View" by Professor J. C. Wood, University of Sheffield.

KEITH-LUCAS, PROFESSOR D.

The third London airport—the process of decision

The Commission of Inquiry into the third London airport (the Roskill Commission) was set up in 1968 to advise the British Government on the timing and siting of such an airport. The whole process took 2½ years and included the identification of 78 possible sites, a medium list of 29 and a short list of four sites. Public hearings were held at each of the short listed sites plus one in London following publication of the cost benefit analysis. The Commission then made its decision and submitted its report in December 1970. This paper deals with the overall process of decision taking and with the doubts and hopes engendered by the experience of serving on the Commission.

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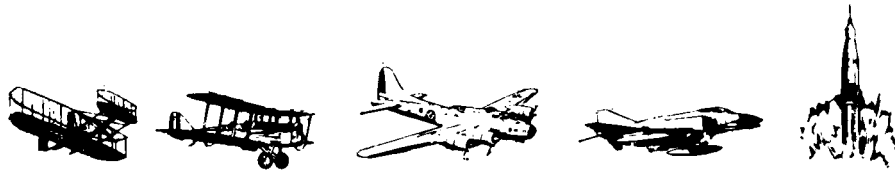
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