

## **XIII Symposium on Advanced Problems and Methods in Fluid Mechanics**

**Olsztyn-Kortowo, September 5—10, 1977**

The XIII Symposium on Advanced Problems and Methods in Fluid Mechanics showed clearly the considerable shift of research interests which manifested itself already during the previous Symposia.

The areas of investigations which dominated the scene in the fifties and sixties have yielded ground to more classical problems.

Of course we knew in this period that many fundamental problems remained unsolved and deserved further efforts but many of us were attracted to newer branches e.g. plasma physics, rarefied gas dynamics. Undoubtedly this was due not only to scientific fashion but also to specific needs, or, perhaps more precisely to expectations connected with technological innovations. One of the characteristic features of present day fluid mechanics is its involvement in the branches of science which are closer to the specific direct needs of the human being such as biomechanics or environmental protection. Perhaps the period of extensive development of our branch of science is over and we are now entering a quieter period of intensive development. Most of the research is done now again within institutions of higher education. This type of scientific activity requires scholars, which are simultaneously researchers and teachers, not only experts in their particular branch of knowledge but also men of great social integrity.

Some of the 113 contributed papers were submitted for publication to the Archives of Mechanics and are printed in this double issue.

The survey papers given at this Symposium will be published in volume 9 of Fluid Dynamics Transactions. The list of a participants will be appended to this volume.

Closing these remarks we would like to express our thanks to all participants for their effort in contributing to the success of the meeting, for making this meeting interesting and vivid. Our special thanks are due to those who presented general papers.

We would like to thank also our hosts the Chancellor and Staff of the Technological Agricultural Academy of Olsztyn-Kortowo that made their facilities available for our Symposium. Our cordial thanks are also directed to many of our Colleagues of the Department of Fluid Mechanics of the Institute of Fundamental Technological Research of the Polish Academy of Sciences, that helped us in the organization of the Symposium.

*Wladyslaw Fiszdon, Ryszard Herczyński*