

Gallery of Fluid Motion

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This article displays winning photographs from the eighth Annual Fluid Mechanics Photo Contest held at the November 1990 meeting of the American Physical Society, Division of Fluid Dynamics, Cornell University, Ithaca, New York.

INTRODUCTION

The eighth Annual Fluid Mechanics Photo Contest, held at the November 1990 meeting of the American Physical Society, Division of Fluid Dynamics, at Cornell University in Ithaca, New York, attracted 52 entries, including flow visualizations from experiments and from computational simulations, covering a broad range of fluid mechanics problems. Continued participation in this contest is attributed to the successful appearance of articles such as this in *Physics of Fluids A*. Again we must thank the Editor of this Journal without whose continued generosity and interest this would be impossible.

At the November American Physical Society meeting, entrants are displayed in a poster and video gallery and are judged by a distinguished international panel, with the decisions based on both the artistic beauty of the visualization and the original contribution to the understanding of fluid mechanics. Meeting participants have commented that the gallery is enjoyable and offers a relaxing change from the hectic schedule of the regular paper sessions. Spectators browse and marvel at the wonders of fluid flow and also at

the same time learn about the most current techniques of flow visualization and display.

This article displays winning photographs from this past November meeting in Ithaca. Each entry is complemented by a descriptive passage and in some cases, the posters and videotapes have been condensed for this publication. Of worthy note is the inclusion of color photographs from the original posters and videotapes in this article to enhance the display.

Unfortunately, although ten prize winners were selected in 1990, only nine appear in this article. It was agreed upon by all involved that the frames of the videotape entitled *Shock Wave on an A300 Aircraft*, submitted by Professor Yasuaki Kohama, Department of Mechanical Engineering, Tohoku University, Sendai, Japan, could not be reproduced with sufficient clarity for this article.

The tradition will continue at the November 1991 meeting of the American Physical Society, Division of Fluid Dynamics, in Scottsdale, Arizona, and the winners will be considered for publication in *Physics of Fluids A* in this format, with strong preference being given to original work.