CONTENTS

VILHELM BJERKNES AND HIS STUDENTS, Arnt Eliassen	1
Sediment Ripples and Dunes, Frank Engelund and Jørgen Fredsøe	13
Strongly Nonlinear Waves, L. W. Schwartz and J. D. Fenton	39
Topology of Three-Dimensional Separated Flows, Murray Tobak and David J. Peake	61
Dynamics of Glaciers and Large Ice Masses, Kolumban Hutter	87
THE MATHEMATICAL THEORY OF FRONTOGENESIS, B. J. Hoskins	131
Dynamics of Lakes, Reservoirs, and Cooling Ponds, Jörg Imberger and Paul F. Hamblin	153
TURBULENT JETS AND PLUMES, E. J. List	189
GRAVITY CURRENTS IN THE LABORATORY, ATMOSPHERE, AND OCEAN, John E. Simpson	213
THE FLUID DYNAMICS OF HEART VALVES: EXPERIMENTAL, THEORETICAL, AND COMPUTATIONAL METHODS, Charles S. Peskin	235
THE COMPUTATION OF TRANSONIC POTENTIAL FLOWS, David A. Caughey	261
Unsteady Airfoils, W. J. McCroskey	285
Low-Gravity Fluid Flows, Simon Ostrach	313
THE STRANGE ATTRACTOR THEORY OF TURBULENCE, Oscar E. Lanford III	347
Dynamics of Oil Ganglia During Immiscible Displacement in Water-Wet Porous Media, A. C. Payatakes	365
Numerical Methods in Free-Surface Flows, $Ronald\ W$. Yeung	395
Indexes	4.40
Author Index Cumulative Index of Contributing Authors, Volumes 10, 14	443 451
Cumulative Index of Contributing Authors, Volumes 10–14 Cumulative Index of Chapter Titles, Volumes 10–14	451 453