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*W. V. Van Dine*  
Ann Arbor Oct. '73

# PROCEEDINGS —

## Fourteenth Annual Meeting

Theme:

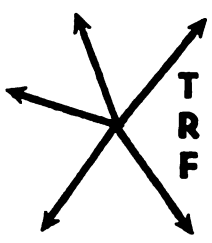
“Search For New Transportation Horizons”

October 15-16-17, 1973  
Hollenden House  
Cleveland, Ohio



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**TRANSPORTATION RESEARCH FORUM**

# FOREWORD

## Theme: "Search For New Transportation Horizons"

TRF continues to grow and delve into new areas. Response to the annual call for papers was the most prolific ever. The result of this response is the publication of the greatest number of papers in TRF history and the "fullest" Annual Meeting program in memory.

This year's theme was intentionally broad in scope so as not to constrain prospective authors. Several "open" sessions were included in the initial program structure in order to accommodate worthy papers on any relevant topic. Interestingly, a continuity of subject matter appeared in the prospective author responses resulting in a finalized program structure devoid of "open" sessions and the introduction of several new areas for TRF to probe.

Heartiest congratulations are extended to the student paper competition winners, whose papers appear in the volume: Mark E. Krejci (first prize); Alan L. Precup (second); and Henry L. Pfister (third).

A great number of people were instrumental in contributing to "the cause." Peter R. Stopher directed the second annual student paper competition. Significant contributions were made by the individual session chairmen who reviewed papers and determined the final content of each session: Paul H. Banner, Isabel H. Benham, James R. Blaze, James R. Carman, Abraham A. Diamond, Larry L. Herndon, John W. Ingram, Roger W. Kallock, John C. Kohl, Jack Pearce, Vincent J. Roggeveen, Nat Simons, Jr., Donald A. Sokol, Peter R. Stopher and W. H. Thompson. As always, Grant Vietsch was in the vanguard of TRF officers aiding the overall effort. Finally, our thanks to the many contributing authors whose diligent efforts are herein recorded.

Although the papers in this book are the nucleus of the Annual Meeting, the provocative exchanges during the sessions provide the culminating moments. We look forward to seeing you in Cleveland!

BARRY A. BRUNE

*A. T. Kearney, Inc.*  
*Chicago, Illinois*  
August, 1973