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# *Letters to the Editor*

## BIBLIOGRAPHY ON THEORY OF TRAFFIC FLOW AND RELATED SUBJECTS, OCTOBER 1960

### Committee on Theory of Traffic Flow\*

**T**HERE HAS been within the past few years increasing interest in the analysis of traffic flow by various mathematical models. Many practicing traffic engineers have felt the need for better analytical tools. Theoreticians in several fields have found that traffic-flow problems constitute challenging areas for research.

The Committee on Theory of Traffic Flow has prepared a bibliography of the important publications up to October, 1960. This bibliography has been divided into several sections, as follows:

- A Hydrodynamic Analogies and Kinematic Waves
- B. Traffic Dynamics (Car Following)
- C Probabilistic Flow Models
- D Simulation of Traffic Flow
- E. Distribution of Traffic Over a Network
- F. Miscellaneous Probabilistic and Statistical Studies
- G Studies of Mechanics and Geometry
- H Experimental Studies of Capacity, Speed, and Flow-Concentration Relations
- I. Intersection Situations
- J. Miscellaneous

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\* This is a Committee of the Department of Traffic and Operations, Highway Research Board, National Academy of Sciences-National Research Council. The Chairman is D L GERLOUGH, Thompson Ramo-Wooldridge, Inc., Canoga Park, California. The other members are M J BECKMAN, ALEXANDER BOLDYREFF, J DOUGLAS CARROLL, JR., A CHARNES, DONALD E CLEVELAND, LESLIE C EDIE, THEODORE W FORBES, HERBERT P GALLIHER, HARRY H GOODE, BRUCE D GREENSHIELDS, ROBERT HERMAN, FRANK V HOUSKA, A W JONES, SHELDON L LEVY, EUGENE MAIER, E W MONTROLL, KARL MOSKOWITZ, WILLIAM L PRAGER, WARREN QUIMBY, CARLTON C ROBINSON, MARTIN C STARK, DEANE S TERRY, JR., W P WALKER, W D WHITE, G B WHITHAM, R I WILKINSON, and MARTIN WOHL.

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### A SHORT TABLE OF $z$ -TRANSFORMS AND GENERATING FUNCTIONS

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**G**ENERATING FUNCTIONS and  $z$ -transforms are tools of considerable utility to the operations researcher. The available tables of these functions