## INTRODUCTION TO URBAN DYNAMICS

by Louis Alfeld

Explains the complexity of the urban system through examination of simpler urban subsystems. Sequential evolution of ten urban models presents the assumptions, structure, behavior, and utility of urban dynamics models for urban policy analysis. Organized as a textbook with practice exercises at the end of each chapter, the book serves as an excellent starting point for teaching interdisciplinary courses on urban systems analysis and design.

Forthcoming Spring 1975, approx. 420 pp., ill., approx. \$18.00

## COLLECTED PAPERS OF JAY W. FORRESTER

edited by Jay W. Forrester

Presents 17 of Professor Forrester's papers written since 1958 on system dynamics and its applications. The papers lead the reader from early applications of system dynamics in industry to present use of the methodology in urban and national policy planning.

Forthcoming Fall 1974, approx. 350 pp., ill., \$18.00

## PRINCIPLES OF SYSTEMS

by Jay W. Forrester

Introduces the system dynamics philosophy and methodology. It details the basic concepts of system structure, then shows by example how structure determines behavior. The book has two sections—the text and accompanying workbook. Although the workbook problems are framed in a corporate structure, the principles are general to many fields.

1968, paperback, 392 pp., ill., \$8.00

## WORLD DYNAMICS

by Jay W. Forrester

Interrelates population, industrialization, natural resources, food, crowding, and pollution to present an exploratory theory of man in the world ecology. The book is the first step toward adapting the principles of system dynamics to the behavior of the forces involved in determining the transition from growth to world equilibrium. A new chapter on the physical and social limits to growth has been added in this second edition.

1974, second edition, 144 pp., ill., \$9.75