six co-authors of "Chemical Plant Simulation" and wrote "Financial Decision Making in the Process Industry", which has been well received. When he and his family went to the Netherlands on sabbatical leave a few years ago, he and his wife were concerned at the quality of first readers available in English. They produced a charming book, "L is for Lucky", with their own illustrations, which was a hit with their children.

For the Canadian centennial year of 1967, Don grew a beard (which was not then a common occurrence) and edited, with his wife and four others, a history of Waterdown and East Flamborough—his home township. He is and has been active in numerous community activities as a leader in Cub Scouts, as a founder and director of the Waterdown and East Flamborough Heritage Society, as a Sunday school teacher and in various other church activities and as member and chairman of the Flamborough Committee of Adjustment (to decide on permits for building and alterations).

We asked the 1978 graduating students for their evaluation of Don, since many of them had worked and studied with him for four years on the problem-solving project. Their response, put together by Stevan Cosic from talk during a camping weekend, emphasized Don's enthusiasm for sharing his past industrial and educational experiences—both good and bad. They cited his continual efforts to achieve maximum participation of the class such as when he puts a problem on the screen, then goes to the rear of the room and sits down. According to the students, Don makes learning fun and he manages to make the students confident that they can solve their problems on their own.

It is difficult to describe in words what Don Woods is and how he teaches. Those who have not been fortunate enough to see him in action will, we hope, have found here some idea of his many qualities. Those who have met him may have found here some new facets of his character. At McMaster University, we count ourselves very fortunate indeed to have Don Woods as a ChE colleague. □

ChE book reviews

SMOKE, DUST AND HAZE: FUNDAMENTALS OF AEROSOL BEHAVIOR

By S. K. Friedlander, Wiley Interscience, 1977. 317 pp. $16.95.

Reviewed by Benjamin Y. H. Liu,
University of Minnesota.

This book, by a well-known author in the field of aerosol science, provides a much-needed text on the subject of aerosol behavior. The word "aerosol," according to contemporary scientific usage, refers to a system of particles, either solid or liquid, suspended in a gas. "Smoke, dust and haze," consequently, are all specific examples of aerosols.

The book is divided into eleven chapters, with Chapters 1 through 5 covering the fundamental aerosol properties, including the basic transport and light scattering properties, size distribution functions and particle deposition by convective diffusion and inertial impaction. Chapter 6, on experimental methods, provides a concise but adequate description of the modern aerosol generation, measuring, sampling, and analysis techniques. Chapters 7 through 11 deal with the general dynamic processes of coagulation, nucleation, gas-to-particle conversion, and source-ambient relationships for particulate air pollutants. Problems at the end of each chapter provide the needed exercise for students. The references given, though not extensive, are well-chosen. They provide a convenient source for further literature studies on the respective topics.

One of the outstanding features of the book is its clarity of presentation. The topics are developed clearly and rigorously from an elementary to an advanced level. Mathematical methods are used to make the theoretical development rigorous, but reference to the actual physical process taking place makes the meaning of the mathematical development clear. The chapter on Collision and Coagulation is particularly well-done, reflecting the author's own original contribution to the field.

Interest in aerosols has mushroomed in the last few years. Many specialized treatises and books have appeared, but none has dealt with the subject in a sufficiently comprehensive manner to be used as an introductory text. *Smoke, Dust and Haze* will provide such an introductory text. It is suitable for the engineering curriculum at the advanced undergraduate or beginning graduate level. It should also serve as a valuable reference book for those working in the field. □