Editor's Note to Seniors . . .

This is the 24th graduate education issue published by *CEE*. It is distributed to chemical engineering seniors interested in and qualified for graduate school. We include articles on graduate courses and research at various universities, along with departmental announcements on graduate programs. In order for you to obtain a broad idea of the nature of graduate work, we encourage you to read not only the articles in this issue, but also those in previous issues. A list of the papers from recent years follows. If you would like a copy of a previous fall issue, please write to *CEE*.

Ray W. Fahien, *Editor*

Fall 1990

Austin, Beronio, Taso • *Biochemical Engineering Education Through Videotapes*
Ramkrishna • *Applied Mathematics*
Rice • *Dispersion Model Differential Equation for Packed Beds*
Bhada, et al. • *Consortium on Waste Management*
Felder • *Stoichiometry Without Tears*
Cohen, Tsai, Chetty • *Multimedia Environmental Transport, Exposure, and Risk Assessment*
Schulz, Benge • *ChE Summer Series at Virginia Polytechnic*
Roberge • *Transferring Knowledge*
Coulman • *ChE Curriculum, 1989*
Frey • *Numerical Simulation of Multicomponent Chromatography Using Spreadsheets*
Fried • *Polymer Science and Engineering at Cincinnati*

Fall 1989

San, McIntire • *Biochemical and Biomedical Engineering*
Kummler, McMicking, Powitz • *Hazardous Waste Management*
Bienkowski, et al. • *Multidisciplinary Course in Bioengineering*
Lauffenburger • *Cellular Bioengineering*
Randolph • *Particulate Processes*
Kumar, Bennett, Gudivaka • *Hazardous Chemical Spills*
Davis • *Fluid Mechanics of Suspensions*
Wang • *Applied Linear Algebra*
Kisaalita, et al. • *Crossdisciplinary Research: The Neuron-Based Chemical Sensor Project*
Kyle • *The Essence of Entropy*
Rao • *Secrets of My Success in Graduate School*

Fall 1988

Arkun, Charos, Reeves • *Model Predictive Control*
Briedis • *Technical Communications for Grad Students*
Deshpande • *Multivariable Control Methods*
Glandt • *Topics in Random Media*
Ng, Gonzalez, Hu • *Biochemical Engineering*
Goosen • *Research: Animal Cell Culture in Microcapsules*
Teja, Schaeffer • *Research: Thermodynamics and Fluid Properties*
Duda • *Graduation: The Beginning of Your Education*

Fall 1987

Amundson • *American University Graduate Work*
DeCoursey • *Mass Transfer with Chemical Reaction*
Takoudis • *Microelectronics Processing*
McCready, Leighton • *Transport Phenomena*
Seider, Ungar • *Nonlinear Systems*
Skaates • *Polymerization Reactor Engineering*
Edie, Dunham • *Research: Advanced Engineering Fibers*
Allen, Petit • *Research: Unit Operations in Microgravity*
Bartusiak, Price • *Process Modeling and Control*
Bartholomew • *Advanced Combustion Engineering*

Fall 1986

Bird • *Hougen's Principles*
Amundson • *Research Landmarks for Chemical Engineers*
Duda • *Graduate Studies: The Middle Way*
Jorne • *Chemical Engineering: A Crisis of Maturity*
Stephanopoulis • *Artificial Intelligence in Process Engineering*
Venkatasubramanian • *A Course in Artificial Intelligence in Process Engineering*
Moo-Young • *Biochemical Engineering and Industrial Biotechnology*
Babu, Sukanek • *The Processing of Electronic Materials*
Datye, Smith, Williams • *Characterization of Porous Materials and Powders*
Blackmond • *A Workshop in Graduate Education*

Fall 1985

Bailey, Ollis • *Biochemical Engineering Fundamentals*
Belfort • *Separation and Recovery Processes*
Graham, Jutan • *Teaching Time Series*
Soong • *Polymer Processing*
Van Zee • *Electrochemical and Corrosion Engineering*
Radovic • *Coal Utilization and Conversion Processes*
Shah, Hayhurst • *Molecular Sieve Technology*
Bailie, Kono, Henry • *Fluidization*
Kauffman • *Is Grad School Worth It?*
Felder • *The Generic Quiz*

Fall 1984

Lauffenburger, et al, • *Applied Mathematics*
Marnell • *Graduate Plant Design*
Scamehorn • *Colloid and Surface Science*
Shah • *Heterogeneous Catalysis with Video-Based Seminars*
Zygourakis • *Linear Algebra*
Bartholomew, Hecker • *Research on Catalysis*
Converse, et al. • *Bio-Chemical Conversion of Biomass*
Fair • *Separations Research*
Edie • *Graduate Residency at Clemson*
McConica • *Semiconductor Processing*
Duda • *Misconceptions Concerning Grad School*

Fall 1983

Davis • *Numerical Methods and Modeling*
Sawin, Reif • *Plasma Processing in Integrated Circuit Fabrication*
Shaeiwitz • *Advanced Topics in Heat and Mass Transfer*
Takoudis • *Chemical Reactor Design*
Woods • *Surface Phenomena*
Middleman • *Research on Cleaning Up in San Diego*
Serageldin • *Research on Combustion*
Wankat, Oreovicz • *Grad Student's Guide to Academic Job Hunting*
Bird • *Book Writing and ChE Education*
Thomson, Simmons • *Grad Education Wins in Interstate Rivalry*