AUGUST 10-14

Molecular Theory and Simulation of Adsorption

P. A. Monson, discussion leader

Computer Simulation of Gases Sorbed in Realistic Model Pores. W. A. Steele

Application of Density Functional Theories to Adsorption of Simple Fluid Mixtures. M. L. Rosinberg

Molecular Modeling of Adsorption and Transport in Zeolite Molecular Sieves. D. N. Theodorou

Thermodynamic Theories of Adsorption of Mixtures Based on Molecular Simulations. A. L. Myers

Adsorption Separation

R. L. Albright, discussion leader

New Adsorbents for Air Purification. C. Chang,
N. N. Li

Pressure Swing Adsorption: The Next Distillation? K. S. Knaebel

Kinetically Controlled PSA Separations: Comparison with Membrane Separations. D. M. Ruthven

Membrane Separation

B. Bikson, discussion leader

Olefin Separations in Ion-Exchange Membranes. R. D. Noble

Nanoparticulates, Nanocavities, and Nanospace Separation in Ceramic Membranes. M. A. Anderson

Process Models for Control of Separations Processes

J. R. Fair, discussion leader

Nonlinear Wave Theory for Dynamics of High-Purity Distillation Columns. Y-L. Hwang

Dynamic Behavior and Multiple Steady States in Azeotropic Distillation Sequences. M. F. Doherty

Using Tray-to-Tray Models for the Control of Distillation Columns. J. B. Riggs

Use of Steady-State and Dynamic Process
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Perspective. J. J. Downs

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J. C. Baker, discussion leader

Critical Displacer Properties in Protein Displacement Chromatography. S. M. Cramer

Competitive Protein Adsorption in Large-Scale Affinity Chromatography. N-H. L. Wang

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New Separation Opportunities in
Environmental Applications. G. E. Keller

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G. L. Hubred, discussion leader

Solvent Pulping: Promise and Performance. R. Katzen

Coupling the Separation Technologies into BHP's Resource Processes: The Engineering-Economic Dimensions. G. Rinhy

Immunoaffinity Process for Production of Activated Protein C, A New Plasma-Derived Antithrombotic Agent. C. L. Orthner

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