The AICHE JOURNAL, a monthly publication of the American Institute of Chemical Engineers, is devoted to fundamental research and developments having immediate or potential value in chemical engineering.

EDITOR

Matthew V. Tirrell

MANAGING EDITOR

Haeja L. Han

ASSOCIATE EDITORS

Edward L. Cussier

Mark E. Davis

Julio M. Ottino

George Stephanopoulos

COPY EDITOR

Arthur H. Baulch

EDITORIAL ASSISTANTS

Peter Hurley

Karen M. Simpson

CONSULTING EDITORS

L. S. Fan

Particle Technology

Alice P. Gast

Materials

Carol K. Hall

Thermodynamics

George E. Keller, II

Separations

Michael T. Klein

Reaction Engineering

Douglas A. Lauffenburger

Bioengineering

Glen H. Pearson

Materials Processing

Ronald W. Rousseau

Crystallization
John Seinfeld

Environmental Engineering

Michael Shuler

Biochemical Engineering

PRODUCTION DIRECTOR

Daniel Chillak

EDITOR-IN-CHIEF

M-1-2-2-1-

Mark D. Rosenzweig

MANAGING DIRECTOR,
PUBLICATIONS & COMMUNICATIONS

Stephen R. Smith



American Cyanamid, a subsidiary of American Home Products Corporation, has the following positions available at the Agricultural Products Division's largest manufacturing complex in Hannibal, Missouri:

Process Engineer

Responsible for tracking, yield improvements, troubleshooting, and cost reduction plant-wide. Strong interpersonal and leadership skills will be needed for current assignments and future career growth. A BS in Chemical Engineering and a minimum of three years experience required with continuous and batch specialty chemical processing as a production/process engineer at a manufacturing plant site or in piloting work; some experience with DCS desired, preferably Honeywell TDC 3000. Must be willing to relocate.

Project Engineer

Develop scope, recommend and select hardware, develop designs, prepare capital cost estimates, prepare bids, oversee installation, and assist in start-up of capital projects. Interact with process engineers, production supervisors, operators, maintenance, and others on an individual and/or team basis to accomplish project objectives. Manage multiple projects in various plant areas. A BS in Chemical Engineering and a minimum of three years experience required with continuous and batch specialty chemical processing; some experience with DCS desired, preferably Honeywell TDC 3000. Must be willing to relocate.

While only 90 minutes from St. Louis, our progressive work environment in the heart of America's farmlands offers numerous opportunities for career development as well as competitive salaries and excellent benefits. For immediate consideration, please send resume (state your specific job interest, salary history, and requirements) to:

Human Resources Manager Department AIChE AMERICAN CYANAMID COMPANY P.O. Box 817 Hannibal, MO 63401

Equal Opportunity Employer M.F.D.V

AIChE Journal (ISSN 0001-1541) is published monthly by the American Institute of Chemical Engineers, 345 E. 47th St., New York, NY 10017. Manuscripts should be submitted to Editor Matthew V. Tirrell at the Dept. of Chemical Engineering and Materials Science, University of Minnesota, Minneapolis, MN 55455, phone (612) 625-5823, fax (612) 624-6564. The statements and opinions in the AIChE Journal are those of the contributors, and AIChE assumes no responsibility for them. Annual subscription rates: \$675 for nonmembers, \$85 for members, and \$45 for student members; outside U.S., add \$80 for postage. Single copies: \$70; outside U.S., add \$8 for postage. Second-class postage for domestic and air mail postage for foreign mailing paid at New York, NY and additional mailing offices. Copyright 1996 by the American Institute of Chemical Engineers. Subscribers are requested to give prompt notification of any change of address. Postmaster: Send changes of address to AIChE Journal, 345 East 47th St., New York, NY 10017.

Authorization to photocopy items for internal or personal use, or the internal or personal use of specific clients, is granted by AIChE for libraries and other users registered with the Copyright Clearance Center (CCC) Transactional Reporting Service, provided that \$3.00 per article plus \$1.50 per copy is paid directly to CCC, 222 Rosewood Drive, Danvers, MA 01923. This consent does not extend to copying for general distribution, for advertising or promotional purposes, for inclusion in a publication, or for resale. Articles published before 1988 are subject to the same copyright conditions and the fee for each article is \$3.00 plus \$1.50 per copy. AIChE Journal fee code: 0001-1541/96 \$3.00 per article plus \$1.50 per copy.