

Harry G. Fair

ory of Harry G. Fair, an outstanding OU alumnus was a licensed professional engineer. service to society and to his alma mater. He was a death on July 27, 1974. Harry G. Fair was active in and all transportation facilities. In 1966, he joined June 3, 1916. He received his B.S. in Chemical member of a number of professional societies and Gas Corporation from 1971 until the time of his became Executive Vice President of Coastal States President for Supply and Transportation, with Company in 1939 and worked his way up to Vice Engineering in 1939. He joined Phillips Petroleum ident, in charge of all engineering activities and the M.W. Kellogg Company as Executive Vice Pres-Harry G. Fair was born in Okmulgee, Oklahoma, or responsibility for world-wide exchange of crude oi Each year, a special lecture is given in mem

This lecture is made possible by the Harry G. Fair Memorial Fund contributed by his widow, Jane Swift Fair. Arrangements are made by the School of Chemical Engineering and Materials Science.

"The Challenge of Separations in Biotechnology"

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E. N. Lightfoot, Jr. Hilldale Professor of Chemical Engineering, University of Wisconsin

on relating process economics to on rapid development of new promanufacturing the products of genetic engineering, and the severe time old term "separation and purification". tory processes put a heavy premium particularly interesting example. Sepasional norms. Biotechnology is no cend their immediate importance in underlying transport and reaction phecesses and equipment. The results of exception, and bioseparations form a providing fresh insights into our profesbe reviewed, with particular emphasis technology and new insights into the restraints produced by federal regularations tend to dominate the costs of newly emerging technologies transthese pressures are a rapidly evolving The development of bioseparations will The challenges provided by



E. N. Lightfool

Dr. E.N. Lightfoot, Hilldale Professor of Chemical Engineering at the University of Wisconsin, has taught there since 1953. He earlier spent three years developing pharmaceutical separations processes at Pfizer in Brooklyn, N.Y. He holds B.S.Ch.E. and Ph.D. degrees from Cornell and a Dr. Tech., h.c., from the Technical University of Norway. His interests have included biologically priented separations research with emphasis on

oriented separations research, with emphasis on application of transport phenomena fundamentals, and most recently, development of more effective adsorptive separations.

He has a broad background in mass transfer operations and in biomedical applications of transport phenomena. A co-author of *Transport Phenomena and Living Systems*, he has participated in over 160 reviewed publications and has lectured extensively in the U.S. and abroad. He is the recipient of the William H. Walker and the Food, Pharmaceutical and Bio-engineering awards of A.I.Ch.E., and was inducted into the National Academy of Engineering in 1979.

He has served as a consultant to NSF, NIH, UNIDO and many major U.S. corporations. He serves on the editorial boards of Separation Science and Technology and Separations Technology, and is a member of the Science and Technical Advisory Board of the National Fermentation and Bioprocessing Institute.

The 17th Annual

Memorial Lecture Harry G. Fair

Chemical Engineering

And Materials Science

April 4, 1991

3:30 P.M.

School of Chemical Engineering and Materials Science
The University of Oklahoma The Energy Center, 100 E. Boyd, Room T-335 Norman, Oklahoma 73019-0628

> Memorial Lecture Harry G. Fair

Annual



Engineering Chemical

The Lecture will be given on campus, Coffee and Refreshments In The Energy Center, Room M-204 will be served