



Harry G. Fair

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

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.

## "Recovery of Carboxylic Acids by Separation Processes Based upon Reversible Chemical Complexation"

by

C. Judson King

C. Judson King is Professor of Chemical Engineering and Provost for Professional Schools and Colleges at the University of California, Berkeley, where he was previously Chairman of the Department of Chemical Engineering (1972-81) and Dean of the College of Chemistry (1981-87). He received his education at Yale University (B.E.) and Massachusetts Institute of Technology (M.S., Sc.D.).

His research activities have centered upon separation processes. Much of his early work dealt with drying rates, tendencies toward product collapse, and processing improvements for freeze drying of foods. More recently he has investigated various aspects of spray drying, including flow and mixing patterns and factors governing retention of volatile flavor substances, changes in particle morphology, and product stickiness. In work to be reported in this lecture, he has been concerned with understanding and improvement of extraction and adsorption processes for recovering polar



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organic substances from aqueous solution. Applications are to recovery of chemicals made by bioprocessing, processing of phenolic waters, and environmental control.

He is the author of two books, "Separation Processes" (McGraw-Hill, 1971, 1980) and "Freeze Drying of Foods" (CRC Press, 1971). He chaired the National Research Council's Committee on Separation Science and Technology, which produced a 1987 report, "Separation and Purification: Critical Needs and Opportunities".

King is a member of the National Academy of Engineering. He has received the William H. Walker Award, the Food, Pharmaceutical and Bioengineering Division Award, and the Institute Lectureship of the American Institute of Chemical Engineering Education and was Chairman of that Society's Chemical Engineering Division. He was a Founding Director of the Council for Chemical Research, is once again a Director, and is Chairman-Elect of the Council.

You Are Cordially Invited  
To Attend

THE FOURTEENTH ANNUAL

HARRY G. FAIR  
MEMORIAL LECTURE

in

Chemical Engineering  
And Materials Science

April 13, 1988  
3:00 P.M.

The Lecture will be given on campus,  
in  
Room 100, Carson Engineering Center

Coffee and Refreshments  
will be served

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School of Chemical Engineering and Materials Science  
The University of Oklahoma  
The Energy Center, 100 E. Boyd, Room F-339  
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CHEMICAL  
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1988