

HARRY G. FAIR

Each year, a special lecture is given in memory of Harry G. Fair, an outstanding OU alumnus.

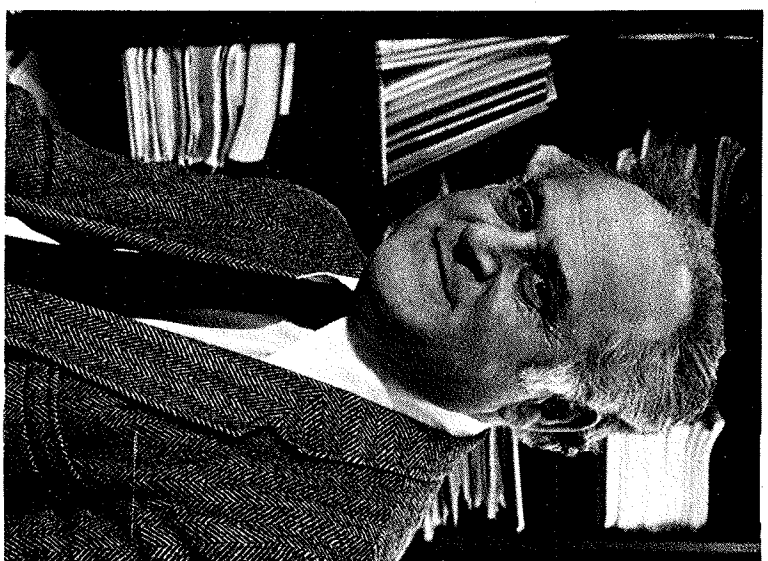
Harry G. Fair was born in Okmulgee, Oklahoma, on June 3, 1916. He received his B.S. in Chemical Engineering in 1939. He joined Phillips Petroleum Company in 1939 and worked his way up to Vice President for Supply and Transportation, with responsibility for world-wide exchange of crude oil and all transportation 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.

Eli Ruckenstein, Distinguished Professor of Chemical Engineering at the State University of New York at Buffalo, received his Master's degree in Chemical Engineering in 1949 and his Dr. Ing. degree in 1967 from the Polytechnic Institute of Bucharest, Romania, and was a professor there until 1969. Ruckenstein came to the United States when he was invited by the National Science Foundation to serve as senior scientist at Clarkson College of Technology. He served as professor at the University of Delaware Department of Chemical Engineering from 1970 to 1973 before he joined the faculty at Buffalo, where he was promoted to his current position in 1981.

While in Romania, Ruckenstein focused his scientific efforts in the area of heat and mass transfer, resulting in his "Generalized Penetration Theory", his Models for Turbulent Mass Transfer and for Boiling Heat Transfer, and his Scaling in Heat and Mass Transfer work.

Since coming to the U.S., he has focused his research in the areas of Catalysis, Surface Phenomena, Colloids, Emulsions and Biocompatible Surfaces. He initiated the modern treatment of Sintering and Rejuvenation of supported metal catalysts, and emphasized the role of interactions and wetting in supported metals, as well as suggesting a new meaning for the concept of active site. Ruckenstein has developed explanations for the origin of thermodynamic stability of microemulsions and developed theories for the deposition of Brownian particles and cells, for the effect of surface chemistry on double layers, for the stability of thin films and foams, for the sticking coefficient of aerosols, for the dissociation of doublets and for the effect of electrokinetic phenomena on enzymatic reactions. He has developed new methods for protein separation and developed approaches to problems of design of surfaces (biocompatible surfaces, for instance.) For his research, Ruckenstein received three Romanian national awards, as well as the Alpha Chi Sigma award for research in chemical engineering from A.I.C.H.E. in 1977, and the Kendall Award of the A.C.S. in 1986, for his research in colloids and surfaces.



ELIRUCKENSTEIN

Members of the
Institute for Applied Surfactant Research
at OU

invite you to attend a reception
for our distinguished lecturer
in the home of
IASR Director Sherril D. Christian,
at 7 p.m., Sunday, April 19th.

The Christian's home is located at
1910 East Rock Creek Road, Norman,
in the Twin Acres Addition.

Though the address is on Rock Creek,
the house is located
1/4 mile north of Rock Creek
on the east side
of Twin Acres Drive.

(SEE MAP ON REVERSE SIDE)

THE 13th ANNUAL
HARRY G. FAIR
MEMORIAL LECTURE

in

CHEMICAL ENGINEERING
AND MATERIALS SCIENCE

ELIRUCKENSTEIN

"The Chemical Engineering
of
Surfactant Solutions"

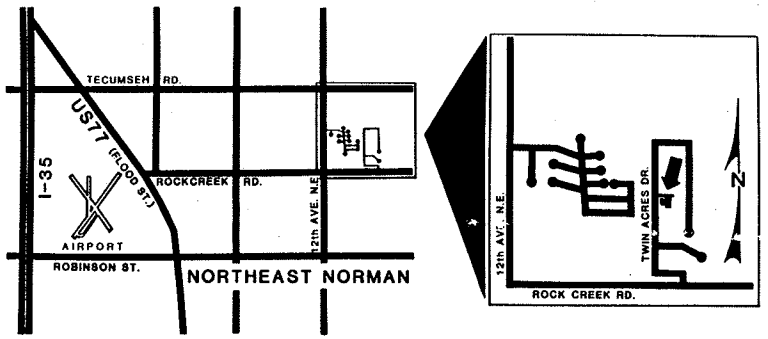
April 20, 1987
3:00 P.M.

The Lecture will be given on campus
in the Ming Room
of Oklahoma Memorial Union

Coffee and Refreshments
will be served

Non-Profit Org.
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The University of Oklahoma
College of Engineering
School of Chemical Engineering & Materials Science
The Energy Center
100 East Boyd, Room F-339
Norman, Oklahoma 73019



THE UNIVERSITY OF OKLAHOMA
COLLEGE OF ENGINEERING



You Are Cordially Invited
To Attend
THE THIRTEENTH ANNUAL

HARRY G. FAIR
MEMORIAL LECTURE

in

CHEMICAL
ENGINEERING

1987