CHEMICAL ENGINEERING

Twenty-eighth
Annual Report to the Alumni

1976

THE OHIO STATE UNIVERSITY
CLASS OF 1975

Front Row (left to right)
M.T. Chow; J.O. Dingilian; L.A. Woody; V.L. Hershberger; R.D. Falter

Second Row (left to right)
M.A. Patterson; G.S. Cullen; B.M. Frazier; S.P. Lankton; C.E. Nethero;
B. Ghorashi; W. Mayo; C.J. Geankoplis; L.R. Dossie

Third Row (left to right)
K.A. Afolabi; R.B. Tait; R.E. Lynn; D.H. Paulos; A. Syverson; J.R. Farison;
J.R. Walker; D.G. McCluskey; S.L. Grant; H.C. Hershey; J.E. Myers

Fourth Row (left to right)
R.N. Flagella; T.K. Tsbouris; G.E. Prill; J.S. Watt; J.T. Heibel; T.L. Sweeney;
G.L. Fadley; E.J. Freeh; M.B. Kukla; S. Abraham; W.B. Kay; J.L. Taraba

Back Row (left to right)
T.S. Johnson; S.A. Shubally; D.L. McGinn; J.T. Erikson; E.E. Smith; S.M. Benner;
J.A. Kean; E.R. Haering; M.R. Okos; L.D. Zeagler; W.M. Fugel; F.C. Knopf
Twenty-Eighth Annual Report
to
Chemical Engineering Alumni

March 22, 1976

Dear Alumni:

We cordially invite you to attend our ACE DAY activities on May 14, 1976. In this Bicentennial Celebration Year the morning program will emphasize history of American industry and technology and the history of the College of Engineering. The luncheon session will be devoted to the presentation of awards followed by departmental sessions in the afternoon. We offer a special invitation to the Anniversary Classes of 1916, 1921, 1926, 1931, 1936, 1941, 1946, 1951, 1956, 1961, 1966, and 1971. To the Golden Anniversary Class of 1926, I would like to say that we would indeed be honored by having you with us on this day. If you permit me to show some bias, the Silver Anniversary Class of 1951 is special to me because it was the first graduating class I had the privilege to serve at Ohio State. How about a visit to the campus?

Chemical Engineering as a profession continues to offer some of the most interesting and challenging opportunities available today -- and the rewards for our graduates continue to be great. Last year's graduates had an average of more than five job offers per student at all-time high starting salaries, averaging $1231 per month for Bachelors. Opportunities for M.S. and Ph.D. students were equally great. I am sure these statistics have had a direct influence on the recent trend in enrollment; 33 in the sophomore class in 1972; 46 in 1973; 50 in 1974 and a whopping 82 in 1975.

Dean Harold A. Bolz, Dean of the College of Engineering, will be retiring on July 1 of this year. He came to Ohio State in 1954 as Associate Dean and was appointed Dean in 1958. During the next decade he led the College of Engineering through a $22,000,000 expansion in facilities. In the late sixties and early seventies when problems of student unrest were common throughout the country, his approach was one of calmness and fairness which led to decisions in the best interest of all concerned. The college has progressed in an orderly fashion during his tenure and we will miss Hal's encouragement and guidance.

The department suffered a great loss last year when Ed Freeh left us to move to Tucson, Arizona, to locate in a better climate for Mrs. Freeh. Ed was the founder of our program in computers and, along with John Heibel, in recent years had acquired facilities and developed a program in several areas of application of computers in teaching and research. We are proud of this program which we consider to be among the best in chemical engineering departments today. Those of you who can attend our afternoon session on May 14 will see a demonstration by John of recent work in Interactive Graphics.

In mentioning a few highlights of our faculty activities, in addition to the usual teaching and research functions, I am reminded of the busy life that most faculty members lead -- contrary to a rather common impression in the outside world. Christie Geankoplis' new textbook Transport Processes and Unit Operations, and Slip Slider's textbook Practical Petroleum Reservoir Engineering Methods, will be published in the next few months. Bob Brodkey was the editor for a new book Turbulence in Mixing Operations which was published in 1975. Emy Lynn and John Heibel were given special recognition for an outstanding
short course for the Plastics Institute of America. Harry Hershey was elected to Honorary Membership in TÉXNIKOL "in recognition of his achievements as a teacher, counselor and advisor, and his demonstrated interest in students and their activities." Tom Sweeney recently obtained a degree in law and has initiated a course "Legal Aspects of Engineering," a technical elective for all engineering students. Ed Smith is gaining national recognition for his work in combustion research. Ed Haering, along with his instructional duties in Unit Operations Laboratory and kinetics, has made important contributions to the Department in his role as Vice Chairman. Karlis Svanks is very busy determining the quality of the water in Lake Erie through an EPA-sponsored research project. We were fortunate to have had Dr. T.R. Steadman and Dr. G.E. Raines as Adjunct Professors to carry two courses while we are recruiting for a new faculty member to fill the vacancy on our staff. Mike Kukla's electronic wizardry keeps our computers and instruments operating. And, of course, our functions would soon grind to a halt without the help of our office staff Betty Frazier, Susan Knopp and Loretta Woody. We regret losing the assistance of Kelly Latham, our machinist, who will be retiring next month.

Concerning our Emeriti Professors, those living in Columbus, Web Kay and Waldron Sheets, are as active as ever. Joe Koffolt continues to live in Connecticut near his son Tom, and according to recent reports, his general condition is about the same as last year.

We look forward to hearing from you. Please stop in the department for a visit if you are in the Columbus area. If your address has changed recently, please let us know so that we can keep our records up-to-date.

Thanks for your continued interest and support.

Sincerely,

Aldrich Syverson
Chairman
THREE EVENTS HIGHLIGHT the 1976 Annual Conference for Engineers and Architects. Emphasizing the Bicentennial theme of the Conference, Dr. Merritt Roe Smith condenses a decade of research into 40 minutes of entertainment featuring the trials and accomplishments of men who engineered a century of technological progress. The script for the fast-paced multi-media presentation by Ohio State University's communications specialists is based on the activities of this College of Engineering during the past century. Through this show, alumni can retrace their steps through those good years, reliving their days at Ohio State. The words which form the anecdotes, the pictures which prance across the three huge screens, may be their own. And lastly, thousands of alumni, through the committee of 100 for engineering, will honor Dean Harold A. Bolz who, earlier this year announced his June retirement. Dean Bolz, who in 18 years as dean launched more students into engineering careers than any other dean of the College, counts his students as the major contribution of his distinguished career in education. Dean Bolz gave leadership to engineering education at Ohio State through the years of rapid expansion of facilities, greatly increased enrollment, and the initiation of new academic disciplines. His tenure at Ohio State has been long and productive. His alumni will express their appreciation for his leadership and guidance on May 14.

8:30 Registration. Mershon Auditorium.

9:30 Morning Program. Mershon Auditorium.

Technology and the American Dream, a presentation by Dr. Merritt Roe Smith, Associate Professor of History at Ohio State University and noted scholar of the evolution of technology.

History of the College of Engineering, a multi-media presentation by the faculty and students of the Ohio State University's Department of Photography and Cinema.

11:00 Reception. Ohio Union Ballrooms.

12:00 Bicentennial Awards Luncheon.

Recognition of outstanding alumni, students, and faculty.

Alumni Presentation to Dean Harold A. Bolz.

2:00 Departmental Programs.

REGISTRATION AND THE MORNING program will be held in the university's spacious Mershon Auditorium, located at the corner of Fifteenth Avenue and North High Street. The Luncheon and Awards Program will be held in the Ohio Union Ballroom, 1739 North High Street, within easy walking distance of the auditorium. Departmental programs, following the Awards Program, will be held in various university facilities listed in this program.

THE FACULTY of the College will host open house sessions from 2 to 4 p.m. so that conference visitors, faculty and students may socialize, reminisce and discuss items of mutual interest. Some departments are also highlighting selected technical sessions.

Chemical Engineering


General Information

Alumni Day and Sunset Supper. Once again ACE Day is scheduled the day before the annual Alumni Day and Sunset Supper for the convenience of returning alumni. Reservations, tickets, and information about Alumni Day events are available from The Ohio State University Alumni Association, 2400 Olentangy River Road, Columbus, Ohio 43210. Phone (614) 422-2500.

Parking. The parking lot at Mershon Auditorium, accessible from 17th Ave., will be reserved. Advise attendants that you are visiting the campus for the Annual Conference for Engineers and Architects.

Pre-registration. We can make better arrangements for your luncheon, tours, and the afternoon sessions if we have early pre-registration. If at all possible, pre-register prior to May 7. If you are unable to pre-register, our conference registration desks will open at 8:30 in Mershon Auditorium on May 14.
CHEMICAL ENGINEERING DEPARTMENTAL PROGRAM

May 14, 1976
Room 207
Chemical Engineering Building

2:00 Welcome to Alumni and Guests
   Introduction of Anniversary Classes
   1916, 1921, 1926, 1931, 1936, 1941,

2:30 Presentation of Student Awards and Recognitions

2:45 "Keeping the Engineer in Process Engineering -
    An Introduction to Process Analysis Through
    Interactive Graphics." John T. Heibel

3:15 OPEN HOUSE with informal research discussions
    and social hour
ANNIVERSARY CLASSES

1916
C.G. Duncombe
J.W. Elwood
F.R. Henninger
R.A. Jameson
W.T. Maidens
H.E. Mersereau
L.H. Milligan
N.A. Mills
W.L. Mong
F.R. Porter

1921
E.H. Adkins
T.P. Annan
H.W. Baque
C.A. Bushler
C.H. Case
H.B. Cupples
B.F. Flood
F.A. Ford
C.J. Hassler
H.S. Holloway
W.S. Jones
H.K. Linzell
J.R. Meuller
C.F. Rudmann
H.J. Schulte
K.Shen
J. Waldren
D.M. Worley
G.H. Wrasmann

1926
F.C. Davis
W.H. DeBruin
I.Y. Est
R.S. Graetz
C.G. Landes
V.A. Lauderma
T. Liu
S. Shenker
J.A. Thompson
E.M. Waxbom
C.Wu

1931
W.B. Abele
H.W. Almen
M.M. Braidech
R.K. Child
H.L. Coles
M.F. Conn
F.E. Cook

1931 (cont.)
H.G. Cooper
C.G. Duncombe
T.H. Feng
N.S. Fox
R.A. Glasser
L.K. Herndon
J.H. Koenig
J.H. Koffolt
M.Lee
D.M. MacKareb
G.E. Mason
D.D. McKinney
W.E. Mehnert
A.R. Miller
H.S. Olson
I.A. Planck
R.W. Rothrock
M. Schantz
W.D. Sheets
A.B. Stiles
O.A. Thompson
J.E. Toppard
W.M. Tucker
P.F. Ulmer
R.A. Wistschey

1936 (cont.)
R.C. Ruffer
W.R. Schmitz
D.H. Seed
F.J. Sercelj
R.F. Snider
W.A. Taylor
D.A. Truesdell
J.Vasilovsky
N.A. Voss
W.P. Ward
P.W. Wilcox
A.A. Wuest

1941
E.G. Anderson
R.W. Archer
M.B. Baker, Jr.
V.C. Becher
L.H. Beckberger
L. Blazey
C. Boardman, III
S. Bonta, Jr.
H.F. Brown
H.G. Caldwell
J.R. Cameron
L. Campbell
M.H. Chetrick
K.M. Connare
M.J. Cramer
J.D. Crane
F.E. Dresher, Jr.
D.W. Duncan
J.M. Elliott
R.W. Ernsberger
F.F. Felkner
H.A. Fulcrum
P.P. Grebush, Jr.
H.H. Grice
S.P. Greenfield
R.H. Homas
W.A. Hopkins
G.B. Hughey
J.D. Ireland
H.J. Jacoby
C.A. Keller
D.R. Kramer
T.P. Lavery
R.K. Lawson
R.P. Lescher
P.J. Maddox
R.G. Merriman
G.L. Meyers, Jr.
ANNIVERSARY CLASSES

1941 (cont.)
R.N. Miller
R.J. Mitchell
F.L. Nelson
L.T. Oyler
R.T. Reiss
H. Reuben
J.E. Rex
W.L. Ridenour
J.R. Robinson, Jr.
P.W. Ruese
J.W. Salter
D.A. Schmeitz
E.M. Schoenborn
J.H. Shaffer
D.E. Somerset
D. Thomas
H.R. Unkel
F. Vaclavik
R.L. Waldvogel
W. Warner
M.E. Woods
T.K. Wu
C.D. Young
P.H. Young
R.P. Young
A. Zier

1946
H.A. Boker
K.A. Brandstetter
E.A. Broestl
R.A. Clark
W. Fowler
H.W. Goard
E.C. Grabbill
C.R. Hall
R.I. Hang
P.W. Kelly
G.J. Lambillotte
G.W. Luckey
H.H. McGriff
B.C. Michener
R.T. Milligan
R.E. Morris
H.J. Oglevee
P.E. Rose
L.D. Treleaven
J.W. Walter
H.T. Yee

1951
G.E. Aberhaiden
T.R. Atwood
J.E. Baker
N.G. Bartrug
R.C. Beckett
J.A. Bierlein
T.R. Boch
J.P. Boyer
C.E. Breithaupt
L.T. Bunn
P.R. Caris
R.F. Carroll
B.A. Chandler
M.A. Chernin
G.P. Chipman
J.H. Clark
R.J. Coffey
M.D. Colmery
R.H. Congelliere
J.N. Craver
L.A. Detamore
C.L. Dornbusch
R.N. Eilerman
B. Entwisle
H.A. Fisch
R.A. Fitz
W.J. Garmus
J.P. Geir
H.F. Gossard
D.C. Haring
D.V. Harris
R.C. Harshman
A.M. Hassan
B.E. Hill
J.H. Hoorman
G. Houghton
P.W. Izant
R.M. Kilian
J.S. Koegle
R.M. Kreager
F.W. Froetz
J.J. Lavin
R.T. Lee
R.L. Leslie
G.R. Lewis
J.T. Lindsay
L.J. Lutz
R.R. MacGregor
D.E. Maple
G. Marti

1951 (cont.)
B.L. Martin
A.N. Masse
L.V. McIntyre
A.L. Medin
W.L. Mengert
E.T. Ming
A.P. Mizisin
R.H. Narwold
J.R. Nelson
C.L. Newton
W.L. Norris
R.E. Ody
W.O. Overton
J.R. Parkinson
J.W. Peters
D.Y. Pournaras
C. Reeder
N.F. Reinhart
G. Scharf
J.J. Schlosser
D.L. Sharp
J.P. Slatery
H. Sobala
P.W. Spaite
D.B. Speed
D.A. Strang
C.J. Svoboda
Ohin Tin
N.D. VanHyning
V. Venkatesham
H.A. Voelkerding
R.E. Warner
F.M. Warzel
R.B. Weiser
B.W. Wilkinson
R.W. Wilson
K.L. Wing
W. Wolfe
R.M. Young

1956
P. Alexander
G.F. Althouse
J.P. Berzins
J.W. Cameron
R.A. Cody
W.D. Coe
ANNIVERSARY CLASSES

1956 (cont.)
H.H. Fanning
J.R. Farst
R.A. Fitz
G.C. Frazier
C.E. Golden
J.S. Gordon
E.R. Haering
H.F. Hajjar
J. P. Hazelton
J.C. Hill, Jr.
L.W. Jordan
P.C. Linder
L.D. Loch
C.G. Marshall
A.P. Muren
C.L. Oubre
D.W. Rumsey
M.K. Sanghvi
R.N. Storey
D.A. Strang
S.E. Weary
J.W. Weisel
L.J. Weisz
R.M. Yarrington

1961 (cont.)
T.M. Mercer, Jr.
J.H. McMicking
K.D. Negley
S. Ng
D.A. Parker
J.B. Pausch
J.N. Rapach
J.E. Rupert
J.M. Skaates
A.G. Spevak
H.E. Taylor
H.H. Warye
R.J. Wethern
L.E. Wing
L.E. Woodworth

1966
F.C. Arnold
J.G. Arnold
J.E. Balkenhol
D.E. Bidstrup
J.V. Braun
H.C. Castilow
R.H. Cherry, Jr.
R.S. Cunningham
W.F. Deerhake
D.A. Denny
F.J. Dobscha, Jr.
E.L. Eggers
T.E. Fitz
R.H. Furlow
J.A. Gosney
J.E. Haas
E.R. Haering
R.D. Hoffman
E.L. Jarrett
L.L. Jarrett
E.F. Jefferis
R.B. Jutte, Jr.
H.T. Kim
J.S. Knox
M.G. Konicek
P. Kullavanjaya
W.G. Lowrie
S.W. Marlow
L.J. Mathew
G.L. McKee
J.H. Miller
J.W. Mitchell
D.J. Modell
J.R. Morton
G.W. Moyer

1966 (cont.)
J.O. Nye
G.E. Raines
R.D. Rolinski
A.R. Shuki, Jr.
S.K. Sonawala
K. Svanks
D.W. Walter
D.P. Whiteman
H.J. Zeller

1971
L.C. Angello
R.L. Baker
A. Chen
H.S. Cho
D.R. Conner
J.W. Connor
M.A. Curran
M.M. Daiga
J.A. Davison
D.A. Draut
J.J. Fair
W.R. Fontaine
J.R. Glendon
P.M. Greenberger
E.A. Grulke
D.C. Haberkost
E.C. Hauswald
K.G. Hertenstein
W.A. Hodge, Jr.
J.D. Hoover, Jr.
P.D. Jachimak
T.J. Jere
C.S. Joublanc
D.T. Kiefer
C.A. Klingensmith
P.G. Knowles
M.W. Kosakowski
J.L. Kosch
D.O. Kutscher
K.L. Lafferty (Kinstedt)
M.S. Lerch
C.R. Lieberman
H.M. Loar
T. Lombardo
J.W. Meredith
P.J. Meves
D.R. Miller
R.L. Mills
R. Mok
R.E. Morrical
A.H. Morth
ANNIVERSARY CLASSES

1971 (cont.)
D. Ni
S.C. Pak
W.E. Pritchard
D.H. Reber
J.F. Roff
R.E. Rosensteel
J.N. Stambolis
H.L. Stebbins
C.L. Steel
R.D. Stolk
F. Song
P.W. Springer
P.R. Swartz
J.L. Taraba
A. Tergevorkian
D.P. Turtle
E.T. Whalen
R.S. Yang
S. Zakanycz

DECEASED SINCE LAST ALUMNI REPORT

Edward D. Brooks  1974
Robert E. Kraus  1948
Armand M. McCollister  1924
Elmer L. Pendleton  1952
Norbert K. Schneider  1949
John P. Smoots  1914
Sylvester J. Weiskircher  1934
THE OHIO STATE UNIVERSITY
DEPARTMENT OF CHEMICAL ENGINEERING
1975-1976 List of Staff Members, Fellows, Scholars, Research Associates and Teaching Associates

Professors
Aldrich Syverson, Chairman
Robert S. Brodkey
Christie J. Geankoplis
Webster B. Kay (Emeritus)
Joseph H. Koffolt (Emeritus)
Waldron D. Sheets (Emeritus)
Edwin E. Smith
Thomas L. Sweeney

Alcoa Professorship
R. Emerson Lynn, Jr.

Associate Professors
Edwin R. Haering, Vice Chairman
Harry C. Hershey
H.C. Slider (Pet. Engr.)
Karlis Svanks

Teaching Associates
Leslie S. Fishler
William M. Fugel
Bahman Ghorashi
Thomas B. Hackett
Steven P. Lankton
Peter E. Steacy
Gary B. Tatterton

Secretaries
Betty Frazier
Susan Knopp

Typist
Loretta Woody

Specialist
Michael B. Kukla

Mechanic
Keldon H. Latham

Fellowships
National Science Foundation Fellow
Larry D. Zeagler

E.I. DuPont Company Fellow
Marie D. Daniel

Exxon Company Fellow
Steven L. Grant

Fellowships (cont.)
Arno C. Fieldner Fellows
John S. Evans
Gaynor L. Nash

B.F. Goodrich Fellow
William M. Fugel

Joseph H. Koffolt Fellows
Steve M. Benner
Johnny O. Wright

Procter and Gamble Fellow
Peter J. Karalis

Louis A. & Lucille Roberts Fellows
Raymond T. Collins
Jeffrey P. Hullinger
Patrick A. Reynard
Thomas E. Winkler

Rohm and Haas Fellow
Renate I. Mueller

Shell Companies Fellow
Frederick C. Knopf

Texaco Company Fellow
Donald W. Buchanan, Jr.

Union Carbide Company Fellow
David M. Muller

Scholarships
Ashland Chemical Company Foundation Scholars
Philip C. Hursh
Luanne J. Proctor

Diamond Shamrock Company Scholars
Debra K. Garber
Mary E. Lenz

Dow Chemical Scholars
David H. Wells, Jr.
Carol L. Payne

Dow Corning Scholar
Mary R. Vercellotti
Scholarships (cont.)

E.I. DuPont Company Scholars
  Douglas J. Hallenburg
  Michael A. Weber

Goodyear Tire & Rubber Co. Fdn. Scholar
  Stephen A. Repp

Gulf Oil Company Scholar
  Richard J. Torchia, Jr.

Hammond - PPG Scholars
  Keith E. Bowers
  Janet L. Thomas (1 qtr.)
  Barry J. Steinmetz

The Lubrizol Company Scholars
  Dale P. Arnold
  Richard A. Bouton

Monsanto Company Scholars
  Douglas T. Brown
  Dale C. Gyure
  Darlene J. Hinerman
  Beth A. Porczak
  David A. Semetko

Rohm & Haas Company Scholars
  Eugene E Imbrogno
  Richard D. Smith

Union Oil Co. of Calif. Scholar
  John R. Stout

Dr. J.R. Withrow Memorial Scholars
  Robert C. Armstrong
  David L. Thamen

Research Associates

  William R. Ramakka
  John L. Rhode
PLACEMENT OF CHEMICAL ENGINEERING GRADUATES
MARCH, 1975 - DECEMBER, 1975

BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING

March, 1975
Simoni Papadimitriou Standard Oil of Ohio, Cleveland, Ohio

June, 1975
Kolajo A. Afolabi Monsanto Company, St. Louis, Missouri
Paul G. Belcher CHEM Ecology Inc., Dallas, Texas
Charles T. Burwell Union Oil Co., of Calif., Los Angeles, CA
Jacob O. Dingillian Procter & Gamble Co., Cincinnati, Ohio
John T. Erikson Procter & Gamble Co., Cincinnati, Ohio
Richard D. Falter Brown & Williamson Tobacco, Louisville, KY
John R. Farison Union Oil Co. of Calif., Los Angeles, CA
Robert N. Flagella Union Carbide Corp., Buffalo, N.Y.
Stephen L. Grant Pursuing M.S. degree, Ohio State University
Valerie L. Hersherber Procter & Gamble Co., Cincinnati, Ohio
William C. Hu Atlantic Richfield Co., Chicago, Illinois
Thomas S. Johnson Union Carbide Corp., Victoria, Texas
James A. Kean Cities Service Oil Co., Tulsa, Oklahoma
Frederick C. Knopf Pursuing M.S. degree, Ohio State University
Steven P. Lankton Pursuing M.S. degree, Ohio State University
Dennis L. McGinn Amoco Research Center, Naperville, Illinois
William D. Peeples Diamond Shamrock Corp., Cleveland, Ohio
Robert B. Tait Standard Oil of Ohio, Cleveland, Ohio
James S. Watt Texaco, Inc., Dobbs, New Mexico

August, 1975
Gary L. Fadley Union Oil Co. of Calif., Los Angeles, CA
Wendell Mayo, Jr. Standard Oil Co. of Ohio, Toledo, Ohio
Dean H. Paulos B.F. Goodrich Company
Sami A. Shubaily Returned to home in Lebanon
James L. Walker Standard Oil Co. of Ohio, Cleveland, Ohio

November, 1975
No degrees granted

MASTER OF SCIENCE IN CHEMICAL ENGINEERING

March, 1975
William M. Fugel Pursuing Ph.D. degree, Ohio State University
Bahman Ghorashi Pursuing Ph.D. degree, Ohio State University

June, 1975
Ted W. Marker Amoco Research Center, Naperville, Illinois
MASTER OF SCIENCE IN CHEMICAL ENGINEERING (cont.)

August, 1975

Gary S. Cullen
Louis R. Dossie
John E. Myers
Michael A. Patterson
Samuel S. Tam

Amoco Research Center, Naperville, Illinois
Eastman Kodak, Rochester, New York
Amoco Research Center, Naperville, Illinois
Quaker Oats Co., Chicago, Illinois
Battelle Memorial Inst., Columbus, Ohio

November, 1975

Johnny O. Wright
Pursuing Ph.D. degree, Ohio State University

DOCTOR OF PHILOSOPHY DEGREE IN CHEMICAL ENGINEERING

March, 1975

No degrees granted

June, 1975

Paul C.M. Auh
Sun I. Chen
Wayne R. Fontaine
Eric A. Grulke
Yoon S. Song

Brookhaven Nat'l. Lab., Upton, L.I., N.Y.
Returned to home in Taiwan
E.I. DuPont Co., Wilmington, Delaware
B.F. Goodrich Research Center, Brecksville, O.
Amoco Research Center, Naperville, Illinois

August, 1975

Martin R. Okos
Purdue University, W. Lafayette, Indiana

November, 1975

H. Sam Cho
Krishnan R. Pandalai

No information available
Self employed
### Bachelor of Science Degree

<table>
<thead>
<tr>
<th>No.</th>
<th>Plant Trips</th>
<th>Salary Offers (underscore accepted salary)</th>
</tr>
</thead>
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<td>3</td>
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<td>5</td>
<td>1175, 1235, 1225, 1200, 1200</td>
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### Master of Science Degree

| 1   | 3           | 1333                                    |
| 2   | 6           | 1375, 1292, 1257                        |
| 3   | 5           | 1300, 1292, 1292                       |
| 4   | 11          | 1300, 1300, 1265, 1375                 |
| 5   | 8           | 1375, 1325, 1300, 1400, 1410, 1366, 1400 |
| 6   | 3           | 1325, 1290, 1310                       |
| 7   | 5           | 1275, 1225, 1225, 1250                |
| 8   | 6           | 1500 (industrial experience)           |
| 9   | 8           | 1350, 1341, 1350, 1458, 1375         |

### Doctor of Philosophy Degree

| 1   | 6           | 1600, 1400, 1575, 1625, self employed         |
| 2   | 4           | Returned to Korea                         |
| 3   |             | Foreign student returned to home          |
| 4   | 3           | 1700, 1700, 1700                         |
| 5   | 15          | 1670, 1635, 1635, 1500, 1710, 1500, 1666, 1666, 1775, 1600, 1750 |
COLLEGE OF ENGINEERING
MERITORIOUS SERVICE AWARD
May 9, 1975
HARRY B. WARNER

Harry B. Warner is the retired President of the B.F. Goodrich Company, Akron, Ohio. Still a consultant for the company he joined in 1939 and headed from 1967 till 1974, he is a Columbus native. Mr. Warner received the Bachelor of Science degree in Chemical Engineering from Ohio State University in 1938; the next year he received the Master of Science degree and, in 1947, from Ohio State, he was awarded the Professional degree Chemical Engineer. In 1942 Mr. Warner became the youngest plant manager in the history of the firm, and in two years tripled production at the Niagara Falls vinyl resin plant. In 1946 he supervised construction and early operation of a similar plant in England. By 1954 he was vice president for development, then marketing, and finally president of the B.F. Goodrich Chemical Company in 1960. Three years later he was promoted to vice president of the parent firm, B.F. Goodrich Company. He was named group vice president, then president in 1967. Mr. Warner has played key roles in making his company the leading producer of polyvinyl chloride resin and synthetic rubber, and he was instrumental in the initial development of synthetic rubber. He directed and managed the revolutionary oxyhydrochlorination process for manufacturing vinyl chloride monomers, which accounts for approximately half the world's production of this material, and he helped in a program to expand technology and marketing practices for 40 foreign firms in 100 countries. Throughout his career, Mr. Warner, who is the father of three children, has remained a staunch friend, ally, and supporter of the university, the College and his home department, chemical engineering. For example, he headed the industry and alumni group which succeeded in raising more than $100,000 for equipment in the department and chaired the industrial division of the Committee of 100 for Engineering. He served as director for the Ohio State University Research Foundation. Among his several honors, he was named Texnikol Outstanding Alumnus in 1957; chosen to receive the Lamme Medal in 1962, and selected as a winner of the 1970 Centennial Achievement Award of Ohio State. A director of the Manufacturing Chemists Association, he belongs to the Cleveland Engineering Society as well as the National Society of Professional Engineers. He has been national director, and Cleveland section head of the American Institute of Chemical Engineers.
COLLEGE OF ENGINEERING
DISTINGUISHED ALUMNUS AWARD
May 9, 1975

WILLIAM W. GRIMES

William W. Grimes is General Superintendent of Operations at the Marcus Hook Refinery of the Standard Oil Company of Ohio. Mr. Grimes, a native of Cleveland, received the Bachelor of Chemical Engineering degree in 1950 from The Ohio State University and did graduate work at Case Western Reserve University, Cleveland. After serving as an Army tank gunner, he joined Standard Oil as a junior engineer. In 1954 he was promoted to senior engineer, home office division, and in 1959 was named chief process engineer for the Lima, Ohio refinery. In 1965 he became senior technical specialist on catalytic reforming and was named project coordination manager for the home office refining in Cleveland in 1973. In late 1974 he was promoted to his present position as general superintendent of the Marcus Hook refinery of the company. He is known as a creative and practical engineer with well-developed management talents. He has, for the past three years, been responsible for the engineering design and project coordination for the $125 million modernization and expansion program for this 150,000 barrel-per-day refinery, including responsibilities for the organization, planning, training and start-up of this new facility. He has, in his 24-year career in oil refining, played a major role in the modernization of the three largest refineries in his company. He holds several patents on various aspects of technology associated with refining, and played a key engineering role in major units which, when installed, were the largest of their type in the world. Father of two children, Mr. Grimes is a member of the American Institute of Chemical Engineers and the National Refiners Association. He also is an active member of the Ohio State University Alumni Association. Patents held by Mr. Grimes deal with the oxidation of waste gases, an automatic liquid sampler, and a solvent extraction process for high octane gasoline. Other patents cover a method for catalyst sampling, a radial flow reactor, and a catalyst reformer gas handling system. Coincidentally, Mr. Grimes joined the company at the same age as had his father, 21 years before.
COLLEGE OF ENGINEERING
DISTINGUISHED ALUMNUS AWARD

May 9, 1976

RICHARD M. MORROW

Richard M. Morrow is the President of Amoco Chemicals Corporation, Chicago. A native of Wheeling, West Virginia, he graduated from high school in Columbus, attended Cleveland’s John Carroll University, and was graduated in 1948 from the Ohio State University with the Bachelor of Mining and Petroleum Engineering degree. After serving with the U.S. Navy, he joined Standard Oil Company of Indiana’s subsidiary firm, Amoco Production Company, in 1948 as a junior petroleum engineer for exploration and production. In 1952 he was named senior field engineer and stationed in Texas. In 1956 he was promoted to district engineer and served in Louisiana, and in 1958 became reservoir engineering supervisor and moved to Chicago general office. By 1962 Mr. Morrow was appointed chief engineer in Tulsa, and 1965 became vice president and division manager in Denver. The next year he was named executive vice president of Amoco International Corporation, a Standard subsidiary, and then executive vice president of Amoco Chemicals Corporation. Last year he was named president of this firm. Judged a dedicated operations man, he was the first production supervisor for Standard’s oil fields near Alaska’s Cook Inlet, and is credited with erecting drilling platforms under conditions more severe and hazardous than the industry has ever faced. He coordinated production efforts which have yielded some 56 million barrels of oil. He also played a key role in developing the company’s oil and gas fields in the North Sea, the Persian Gulf, and Egypt. Active in civic and community affairs, he is an experienced and effective fund-raiser for charities, was director of the board for the YMCA, and is active in church affairs. He belongs to the American Petroleum Institute, the Society of Petroleum Engineers, and Sigma Alpha Epsilon. He is an active member of the Ohio State Alumni Association, and past director of the Rocky Mountain Oil and Gas Association. He is a member of the Mid-Continent Oil and Gas Association, and is past president of the Chemical Industries Council midwest section.
ACE DAY 1975
COLLEGE OF ENGINEERING AWARDS

Harry B. Warner
Meritorious Service Award

Richard M. Morrow
Distinguished Alumnus Award

William W. Grimes
Distinguished Alumnus Award
1975
ACE DAY
OPEN HOUSE
CHEMICAL ENGINEERING
DEPARTMENT

THE GOLDEN ANNIVERSARY
CLASS OF 1925

"It Was This Way"

Faculty-Alumni Discussion
OPEN HOUSE '75
MORE INFORMAL CHATS

Could It Be About Computers?

A Serious (?) Discussion

More Alumni-Faculty Chats
A BRIEF HISTORY

Ohio State University was founded in 1870 as the Ohio Agricultural and Mechanical College under provisions of the Land-Grant Act signed by President Lincoln on July 2, 1862. The legislation gave public land to the states. From sale of the land, the states were to finance colleges whose "leading object" was to "promote the liberal and practical education of the industrial classes," primarily in the areas of agriculture and mechanics.

Classes began on September 17, 1873, with 24 students. Later, in 1876, the first class was graduated and the institution adopted a new name -- The Ohio State University.