Chemical Engineering

Twenty-sixth Annual Report to the Alumni

1974

THE OHIO STATE UNIVERSITY


Row 3 (Left to right) - Knowles, P.; Shumate, K.; Smith, E.E.; Kay, W.B.; Dargan, D.; Caravaglia, A.E.; Collett, T.; Fontaine, W.; Hofmann, C.;

Row 4 (Left to right) - Springer, P.W.; Lorentz, D.; Bolender, V.; Slider, H.C.; Waller, K.; Clark, B.; Linak, E.; Osterhage, J.;


Background (Left to right) - Thomas, T.; Sweeney, T.L.; Haering, E.R.;
Greetings from all of us in Chemical Engineering:

With this issue of the Annual Report the faculty joins me in offering our best wishes to all of you and especially to the Anniversary Classes of 1909, 1914, 1919, 1924, 1929, 1934, 1939, 1944, 1949, 1954, 1959, 1964, 1969. According to our records there are now 19 alumni in the 50th anniversary class and 99 in the 25th anniversary class.

The traditional engineering college ACE Day event will take on a new format this year as the 1974 Awards Conclave for Engineers and Architects. It will be held on Friday, May 10. Following a get-acquainted hour and reunion starting at 11:00 a.m. in the Ohio Union, faculty and visitors will join for luncheon at 12:00 in the west ballroom. Recognition will be given to Distinguished Alumni of the college, to honor students in this year's senior class, and to outstanding teachers selected by their students. While there will be no general program for the day, all alumni who can get back to the campus on May 10 are invited to attend the Awards Conclave. Cost of the luncheon will be $6.00 each. Reservations and checks may be sent directly to Associate Dean Marion Smith in the engineering college office. There will be an Open House in the Chemical Engineering Department on the afternoon of May 10 for those of you attending who want to visit with faculty, students, or friends. There will be no formal program in the Department.

I have had several inquiries from members of anniversary classes concerning class reunions during the Alumni Day week end. Our office will provide names and addresses of classmates and any other assistance we can for those who wish to organize a Chemical Engineering reunion. We have had some very interesting reunions in the past. The date for the alumni week end is May 17 and 18, 1974. Please let me know if I can help.

A short time ago enrollment in engineering dropped considerably; this year the trend seems to be reversed. With increasing demand for chemical engineers and considerable recruiting efforts by our College of Engineering and by our department, our undergraduate enrollment in the last three years has been nearly constant at a level about 60% higher than that during the 1960's. We are pleased to have seven women engineers in the sophomore class - and they are doing well.

The demand for chemical engineers seems to be increasing rapidly. Salaries have increased and the number of companies interviewing as well as the number of job offers are up considerably. A list of recent salary offers to all engineers prepared by Dick Frasher, Director of our Engineering College Placement Office as well as a summary of offers to our Chemical Engineers for last year are shown in this report. As has generally been the case, chemical engineers have been offered the highest salaries.

Our faculty continues to serve with dedication and enthusiasm. I would like to mention a few highlights of their activities during the past year. Bob Brodkey and John Heibel were engaged in research at the Max Planck Institut fur Stromungsforschung, Gottingen, West Germany, last summer. Ed Freeh and Emlyn Lynn continue their teaching and research in process dynamics and polymer engineering. Harry Hershey has taken over the thermodynamics courses and continues his research on drag reduction. Christie Geankoplis is establishing a bio-engineering option and is working closely with the Food Science and Nutrition Department as well as the Agricultural Engineering Department. Web Kay, now retired but very active, attended the van der Waals Centennial Conference on Statistical Mechanics.
in Amsterdam last August and presented a paper at the Third International Conference on Chemical Thermodynamics in Baden, Austria, last September. Ed Haering is in charge of the Unit Operations Laboratory and with the assistance of Bruce Martin (Adjunct Professor – Proctor and Gamble), has introduced the students to management principles with some practical experience in directing their groups assigned to laboratory projects. Karlis Svanks is deeply involved with a large program to study pollution levels in Lake Erie. Ed Smith is very active in Engineering Experiment Station research and has developed an instrument which is gaining wide acceptance for measuring the combustibility of materials. Slip Slider's work in reservoir engineering has become very timely and more important than ever. He has also been very helpful in carrying out our recruiting program. In addition to his teaching responsibilities in heat transfer and air pollution for chemical engineering, Tom Sweeney has played an important role in teaching environmental engineering jointly with several engineering departments as well as in a cooperative venture with the Department of Economics teaching technology and economics to non-engineers. My work in enzyme engineering has become most fascinating and I regret not having more time to devote to it.

Any alumni report from this department would be incomplete without greetings from and a progress report on Joe Koffolt. Dr. and Mrs. Koffolt moved to Connecticut last December to be near their son Tom. According to a recent report they are both doing fine. Joe needs considerable nursing care but is maintaining a "steady state." Should you want to send greetings, mail should be addressed in care of Tom at 23 Malvern Rd., Stamford, Conn. 06900.

On behalf of our faculty, I want to extend our thanks for your continued loyalty, interest and support of our efforts. Please stop in for a chat if you are in the Columbus area.

Best wishes.

Sincerely,

Aldrich Syverson
Chairman

bf
ANNIVERSARY CLASSES

1909
H.V. Main
W.B. Pritz

1914
C.D. McGurie
R.H. Cragg
C.R. DeLong
J.R. Lower
P.E. Sprague
J.P. Smoots

1919
W.M. Krieger
J.T. Robson
M.E. Schulz
C.N. Ward
C.M. Wolcott

1924
A.L. Andrews
C.C. Clark
H.C. Cupples
F.S. Drummond
J.E. Fargus
R.H. Ferguson
J.M. Flikkema
G.F. Friauf
C.T. Harmon
R.O. Holmstrom
G.R. Hull
W.S. Jones
J.H. Koffolt
C.F. Landin
T. Liu
D.M. Phillippi
A. Routa
J.R. Wall
W.H. Whirl

1929
M.L. Bucher
A.R. Chopin
M.M. Crawford
C.G. Duncombe
F.L. Durr
H.G. Greer
W.A. Hammond
L.K. Herndon
R.C. Kintner
J.H. Koffolt
E.B. Layfield
L.H. Mapel
R.C. Martin
H.L. Parker

1929 (cont)
B.S. Phillips
C.D. Roess
J.L. Walsmith
G. Zinzalian

1934
W.A. Barres
H.Y. Choa
C.W. Choi
E.J. Corell
C.R. Croft
R.H. Crossley
W.C. Croysdale
J.G. Damous
H.L. Fenburr
C.N. Fisher
L.L. Fortune
O.D. Graft
E.A. Harper
O.G. Howard
W.C. Hseih
H.D. Kaufman
H.C. Lancia
W.J. Lawless
C.T. Lewis
S.C. Lyon
T. Marks
W.D. Martin
W.A. Menges
L.H. Michael
H.L. Millson
A. Radviss
E.M. Schoenborn
E.E. Slowter
S.W. Snyder
W.F. Swink
R.H. Tseng
H.H. Weinberg
S.J. Weiskircher
R.H. Work
F. Yenkin

1939
R.J. Anderson
F.D. Beckel
R.S. Berg
N.L. Berzy
G.B. Brookover
J.E. Cheyne
H.C. Cheng
H.P. Connars
R.W. Conway
G.M. Corell

1939 (cont)
R.H. Dewart
A.R. Downing
F. Eastman
C.D. Fischer
R.R. Foltz
D.A. Francis
S. Friedman
J.D. George
G.W. Goldrick
A.I. Gordon
R.F. Hackenberg
J.K. Harvey
A.R. Hershberger
J.L. Holz
K.S. Hoover
J.A. Jacks, Jr.
W.E. Jackson
I.J. Kail (J.P. Johnson)
J.S. King
L.R. Kreig
R.G. Lilley
D.W. Kihlman
G.F. Lamers
J.E. Manner
R.F. McCormick
J.M. McEwen
R.P. Mitchell
R.E. Ogden
C.E. Pontius
K.E. Quigley
R.S. Radnow
M.L. Riehl
G.E. Roese
H.G. Rohrer
C.A. Rorman
L.F. Roy
B.R. Sarchet
R.E. Smith
J.S. Stahl
P.L. Suter
S. Teplitz
R.P. Theado
A. Thomas, Jr.
R.W. Thompson
G.S. Tobias
C.W. Voitt
H.B. Warner
C.W. Weber
W.C. White
B.M. Wolf
W.D. Woodford

1944
E.W. Bailey
S.M. Bixler
W.L. Bostwich
E.A. Broestl
M.L. Buike
D.N. Clark
J.Draghic
J.P. Geier
W.R. Harris
C.D. Haverly, Jr.
H.P. Kackenmester
T.E. Koprowski
M.C. Kidd
K.C. Lacy
M.J. Laituri
M.E. Miller
R.D. Mitchell
G.H. Montgomery
E.W. Powell
M. Schwartz
J.J. Sebenick
E.W. Smith
C.V. Strahl
G.C. Strickler, Jr.
T.H. Wilson
P.A. Yount

1949
D.S. Arnold
W.D. Arthur
P.E. Bates
C.W. Bemiss
H.C. Bijawat
G.F. Bockhorst
B.C. Booth
E.J. Bradbury
L.T. Bunn
J.A. Burgbacher
L.S. Canfield
C.W. Conklin
J.W. Connolly
M.J. Cramer
G.G. Cross
K.M. Dubowski
R.G. Dunn
G.W. Egger
J.E. Eglehoff
S.S. Fok
E.F. Fowler
P.A. Fritsche
E.E. Galloway, Jr.
R.W. Garris
ANNIVERSARY CLASSES

1949 (cont.)
R. D. Hammond
R. L. Harbour
T. A. Haverfield
A. C. Heidenreich
R. P. Heintz
M. R. Hetler
B. E. Hill
W. H. Hoge
W. C. Hoover
W. D. Hunter
H. W. Huang
J. F. Irwin
T. M. Jenney
R. A. Jones
M. Jones
W. G. Jurevic
J. H. Kerstetter, Jr.
W. K. Kinzer
W. G. Knapp
R. Kraus
R. J. Koenig
R. E. Kraus
W. M. Krieger
A. W. Krock
F. W. Kroetz
R. H. Lepley
G. R. Lewis
T. H. Ling
F. A. MacDougall
J. B. Martin
H. C. McKee
B. H. McMullen
A. L. Medin
J. R. Metcalf
C. G. Miller, Jr.
R. N. Miller
B. H. Minnich
R. I. Mitchell
J. D. Neuller
J. Newman
R. S. Olafson
C. T. Pan
D. B. Plotts
M. Pollack
E. C. Pontius
T. Rado
G. Rambosek
F. A. Retzke
S. A. Riccardi
D. R. Roberts
A. Rose
J. P. Ross

1949 (cont.)
G. D. Schaf
R. T. Scharenberg
N. K. Schneider
J. J. Sebenick
J. C. Shaw, II
E. A. Shawd
C. R. Shepherd
R. M. Shuster
E. E. Smith
R. I. Spencer
H. R. Steele
D. F. Stewart
R. F. Strigle, Jr.
A. J. Supowit
J. W. Thompson
A. R. VanKleeck
J. M. Wallin
F. A. Warren
G. H. Whipple
E. W. Wiederhold
T. H. Wilson
H. W. Wittmer, Jr.
C. E. Ziants

1954
A. J. Abdul-Rachman
S. Barron
R. L. Boggs
P. D. Davis
R. E. Dudley
P. M. Engle
D. Foley
D. G. Gartner
B. D. Giles
R. D. Harrington
R. E. Johnston
R. L. Justice
I. Kenis
W. J. Kozel
J. O. Lott
F. J. Maslyik
P. Minderman
L. G. Moody
R. H. Nimitz
G. Raines
J. W. Roberts
T. R. Smith
W. H. Sprout
C. Thacker
A. R. VanKleeck
F. A. Veley
D. Weir
R. B. Weiser
J. Yerina

1959
L. W. Addie
J. O. Albrey
T. M. Bates
C. B. Bautista
S. G. Bloom
E. M. Bond
C. H. Brown
S. W. Chun
R. E. Davis
T. O. Dobbins
C. E. Drum
D. W. Fisher
J. Foris
W. O. Glomb
R. L. Halsey
R. L. Hempl
M. E. Hoover
L. G. Jones
L. W. Jordan
D. S. Kim
R. M. Kovach
J. P. Kuhn
J. W. Lacksonen
J. H. Laughlin
G. F. Leverett
A. W. Liles
R. G. Lindsey
J. E. Long
D. P. Macarrius
B. L. Nyquist
C. Okagawa
W. S. Palmer
E. R. Purves
O. L. Reedy
P. K. Sanghani
F. E. Smith
S. K. Sonowala
L. T. Thompson
F. H. Tse
W. R. Van Sise
D. J. von Lehmde
J. H. Weinberg
G. A. Wilcox

1964
A. R. Axline
J. R. Barber
G. L. Beeler
R. Betschel
W. O. Betz
S. G. Bloom
J. H. suddenmyer
S. W. Chun
W. C. Corder

1964 (cont.)
A. Constantinides
G. L. Croskey
R. S. Cunningham
M. B. Cutlip
M. F. Dague
R. Domonsch-Hederra
R. G. Dunn
W. R. Ferris
L. E. Gates
W. R. Hayhow
D. E. Hazlebeck
R. J. Feaston
A. E. Jones
D. W. Kirsch
A. K. Kocksiek
J. W. Lacksonen
J. C. Leslie
D. C. McAdams
J. W. Mills
J. A. Moomaw
D. L. Pachko
G. D. Parikh
J. B. Sapp
T. H. Scattoloni
D. E. Skillcorn
G. A. Tamayo
E. A. Vajnar
W. V. Whitmer
D. J. Wilhelm
W. H. Wilson
B. C. Yao

1969
T. J. Ahn
M. Y. Anastas
S. M. Barrick
W. E. Ballantyne
P. N. Bartram
R. A. Baxter
J. H. Becher
J. J. Curran
J. F. Dietz
T. W. Doub
T. T. Duvall
R. J. Emmert
L. W. Feller
W. E. Ferguson
M. J. Gorman
J. A. Guzman
L. G. Hilton
S. E. Howland
P. D. Jachimiak
R. Khera
J. F. Kuon
1969 (cont)
K.H. Lee
R.D. Litt
S.E. Matthews
R.W. McCrackin
E. Mogollon-Fernandez
D.L. Mundhenk
G.A. Prentice
M.A. Rao
S.E. Russell
J.L. Shailer
K. Scheller
D.E. Smith
R.N. Thomas
J.W. Toussant
R.R. Welsh
C.G. Wysocki
THE OHIO STATE UNIVERSITY
DEPARTMENT OF CHEMICAL ENGINEERING
1973-1974 List of Staff Members, Fellows, Scholars
Research Associates and Teaching Associates

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

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

Alcoa Professorship
R. Emerson Lynn, Jr.

Adjunct Associate Professors
Robert L. Bates
James S. Eckert
Alexis W. Lemmon
John B. Martin

Assistant Professors
John T. Heibel

Teaching Associates
Michael J. Clark
Michael A. Curran
William M. Fugel (University College)
John C. Reindl
Yoon S. Song
Joseph L. Taraba

Administrative Assistant
Philip J. Lombardi

Secretary
Betty M. Frazier

Stenographers
Deborah L. Fair
Jane E. Sullivan

Specialist
Michael B. Ku kla

Mechanic
Keldon H. Latham

Fellowships
Atmospheric Science Fellow
Thomas B. Hackett
DuPont Company Fellow
William R. Ramakka
Eastman Kodak Company Fellow
Danley B. Wolfe
Arno C. Fieldner Fellow
Sam H. Cho
B.F. Goodrich Company Fellow
Paul W. Springer
Hammond-PPG Fellow
Peter N. Bartram
Hercules Fellow
Linda M. Curran
Joseph H. Koffolt Fellow
Michal J. Pedersen
Monsanto Company Fellow
Kenneth L. Waller
Procter & Gamble Company Fellow
Ted W. Marker
Louis A. & Lucille Roberts Mem. Fell.
Chung M. Auh
Rohm & Haas Company Fellow
Donald W. Buchanan, Jr.
Shell Companies Foundation Fellow
Leslie S. Fishler
Texaco Company Fellow
Gary B. Tatterson
Union Carbide Company Fellow
Steve M. Benner

Scholarships
Dow Chemical Scholars
William M. Brandel
Gary S. Cullen
David L. Thaman
Goodyear Foundation, Inc. Scholar
Michael A. Patterson
Gulf Oil Corporation Scholar
Christopher D. Green

7
Scholarships (cont.)

Hammond - PPG
  John T. Erickson
  Jeffrey J. Thomas

Lubrizol Company Scholars
  Christopher R. Beharry
  Kenneth R. Cox

Monsanto Company Scholars
  Dale F. Arnold
  Steven P. Lankton
  Dennis L. McGinn
  William M. Pekman
  Richard J. Torchia, Jr.

Rohm & Haas Company Scholars
  Dan W. Hestor
  John R. Stout
  Philip A. Voelker

Union Camp Scholars
  George T. Ott
  Robert B. Tait

Union Oil Co. of Calif. Scholar
  Timothy L. Goslin

Dr. J.R. Withrow Memorial Scholar
  Carolyn L. Payne

Graduate Research Associates
  National Science Foundation
    Eric A. Gruke
    Martin R. Okos
    Ananda K. Praturi

Engineering Experiment Station
  Keon Y. Park
  Johnny O. Wright
GRANTS-IN-AID TO THE DEPARTMENT OF CHEMICAL ENGINEERING
FELLOWSHIPS, SCHOLARSHIPS AND UNRESTRICTED GRANTS

1. ALCOA
2. AMOCO Foundation, Incorporated
3. Atmospheric Science Program
4. Class of Champs Memorial
5. Diamond Shamrock
6. Dow Chemical Company
7. Dow Corning Corporation
9. Eastman Kodak Company
10. Esso Education Foundation
11. Arno C. Fieldner Memorial
12. B.F. Goodrich Company
13. Goodyear Foundation
14. Gulf Oil Corporation
15. Hercules Aid-to-Education Fund
16. Industrial Nucleonics
17. Kerr-McKee
18. Dr. Joseph H. Koffolt Fellowship Fund
19. Lubrizol Corporation
20. Monsanto Company
21. Owens Illinois
22. PPG Industries
23. Procter and Gamble Company
24. Louis A. & Lucille Roberts Memorial Fellowship
25. Rohm and Haas Company
26. Shell Companies Foundation
27. Texaco Incorporated
28. Union Oil Company of California
29. Dr. J. R. Withrow Memorial Fund
30. Department of Chemical Engineering Equipment Fund
31. Chemical Engineering Support Fund
### Bachelor of Science (4 years)

<table>
<thead>
<tr>
<th>Plant Trips</th>
<th>Salary Offers (underscore indicates acceptance)</th>
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<tbody>
<tr>
<td>5</td>
<td>950, 1000, 1017</td>
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<td>8</td>
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<tr>
<td>8</td>
<td>925, 940, 950, 950, 950, 950, 980</td>
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<tr>
<td>2</td>
<td>975</td>
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<tr>
<td>11</td>
<td>960, 975, 975, 980, 1015, 1025, 1033</td>
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<tr>
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<tr>
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<td>990, 1000</td>
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<td>1</td>
<td>890</td>
</tr>
<tr>
<td>3</td>
<td>950, 950, 1000</td>
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<tr>
<td>1</td>
<td>982</td>
</tr>
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<tr>
<td>7</td>
<td>945, 950, 960, 1043</td>
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<tr>
<td>4</td>
<td>920, 950</td>
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<tr>
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<td>2</td>
<td>975, 1000</td>
</tr>
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<td>4</td>
<td>960</td>
</tr>
<tr>
<td>3</td>
<td>935, 950, 975</td>
</tr>
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<td>8</td>
<td>950, 975, 983, 990</td>
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<td>950, 958, 975, 975, 1210</td>
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<td>9</td>
<td>960, 960, 975, 975, 975, 980, 990, 992, 1000</td>
</tr>
<tr>
<td>7</td>
<td>958, 980, 1000, 1000, 1000, 1025</td>
</tr>
<tr>
<td>1</td>
<td>950</td>
</tr>
</tbody>
</table>

### Bachelor in Chemical Engineering (5 years)

| 2 | 1025 |

### Master of Science

| 8 | 1050, 1075, 1080, 1090, 1100, 1115, 1120, 1130 |
| 3 | 1065, 1100                                    |
| 4 | 925, 1105, 1108, 1108                        |
| 2 | 1000, 1050                                    |
| 3 | 1000                                          |
| 3 | 1110                                          |
| 7 | 968, 1055, 1075, 1090, 1090                  |
| 2 | 1150                                          |

### Doctor of Philosophy

| 9 | 1375, 1450, 1475, 1500, 1500, 1500, 1500     |
| 1 | 1450                                          |
| 8 | 1400, 1420, 1450, 1475, 1475, 1500           |
| 5 | 1400, 1425                                    |
| 8 | 1375, 1475, 1475, 1475, 1550, 1520           |
| 4 | 1650                                          |
| 2 | Foreign student - accepted teaching position in his country |

10
ENGINEERING PLACEMENT
(Interim Report, March, '74)

I. INTERVIEWING/RECRUITING

<table>
<thead>
<tr>
<th>Employers Represented</th>
<th>AUTUMN '72-'73</th>
<th>WINTER '73-'74</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>108</td>
<td>160</td>
</tr>
<tr>
<td></td>
<td>128</td>
<td>193</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Interview Appointments available per registered graduates</th>
<th>'72-'73</th>
<th>'73-'74</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>12</td>
<td>15</td>
</tr>
</tbody>
</table>

II. SALARIES/OFFERS (BS) through March 1)

<table>
<thead>
<tr>
<th>Department</th>
<th>OSU '73 salaries</th>
<th>'74 offers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aeronautical</td>
<td>$ 921.</td>
<td>$ 980.</td>
</tr>
<tr>
<td>Chemical</td>
<td>992.</td>
<td>1,030.</td>
</tr>
<tr>
<td>Civil</td>
<td>884.</td>
<td>1,000.</td>
</tr>
<tr>
<td>Electrical</td>
<td>948.</td>
<td>990.</td>
</tr>
<tr>
<td>Industrial</td>
<td>916.</td>
<td>985.</td>
</tr>
<tr>
<td>Mechanical</td>
<td>929.</td>
<td>990.</td>
</tr>
<tr>
<td>Ceramic</td>
<td>894.</td>
<td>1,000.</td>
</tr>
<tr>
<td>Metallurgical</td>
<td>918.</td>
<td>987.</td>
</tr>
<tr>
<td>Welding</td>
<td>973.</td>
<td>998.</td>
</tr>
<tr>
<td>Agricultural</td>
<td>896.</td>
<td>945.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NATIONAL College Placement Offers '73</th>
<th>'74</th>
</tr>
</thead>
<tbody>
<tr>
<td>$920.</td>
<td>$956.</td>
</tr>
<tr>
<td>962.</td>
<td>1,021.</td>
</tr>
<tr>
<td>908.</td>
<td>945.</td>
</tr>
<tr>
<td>931.</td>
<td>967.</td>
</tr>
<tr>
<td>903.</td>
<td>959.</td>
</tr>
<tr>
<td>927.</td>
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(Materials) $994.
 placement of chemical engineering graduates
march, 1973 - december, 1973

bachelor of science in chemical engineering

march, 1973

john a. douglas
returned to home in georgetown, guyana, s.a.
alan p. lawrence
pursuing mba, ohio state university

june, 1973

steve m. benner
pursuing m.s. degree, ohio state university
john s. bierstecker
bemis paper co., minneapolis, minnesota
richard e. blake
goodyear atomic, piketon, ohio
vernon g. bolender, jr.
pursuing m.d. degree
john c. bost
dow chemical co., midland, michigan
sidney e. bowers
ashland oil, belpre, ohio
thomas e. claugus
rohm & haas, knoxville, tenn.
terry l. collett
union carbide (linde div.) tonawanda, n.y.
david a. dargan
b.f. goodrich chemical co., cleveland, ohio
william m. fugel
pursuing m.s. degree, ohio state university
arthur e. garavaglia
pursuing m.s. degree, purdue university
clyde r. garrett, jr.
dow chemical co., midland, michigan
john c. groves
e.i. dupont co., wilmington, del.
craig a. heselton
ashland oil co., columbus, ohio
william c. kraft
ashland chemical co., pensacola, florida
john p. kuch
ford motor co., dearborn, michigan
eric j. linak
ibm, lexington, kentucky
_donald g. lorentz
pursuing m.s. degree, ohio state university
_norman f. lucas, jr.
mckee engineering, cleveland, ohio
_bobby j. lumpkins
sohio, cleveland, ohio
_john a. osterhage
dupont, new johnsonville, tenn.
bruce a. scamoffa
monsanto, st. louis, missouri
dale g. serian
dupont, niagara falls, n.y.
thomas e. spring
union carbide corp., s. charleston, w.va.
gary r. strickler
dow chemical co., midland, michigan
samuel s. tma
pursuing m.s. degree, ohio state university
_larry d. tanner
eastman kodak, rochester, n.y.
_johnny o. wright
pursuing m.s. degree, ohio state university
_paul j. zereilla
diamond shamrock, cleveland, ohio

august, 1973

william b. clark
monsanto, st. louis, missouri
_timothy j. thomas
shell companies, new orleans, louisiana

december, 1973

patrick l. berry
u.s. army
john d. chmielewski
ashland chemical co., columbus, ohio
luther j. mills, ii
pursuing b.s. in electrical engineering ohio state univ.
richard t. schwarz
ppg industries, mt. vernon, ohio

bachelor of chemical engineering

paul b. mount, ii
union oil of Calif., los angeles, Calif.
MASTER OF SCIENCE

March, 1973
Dennis D. Terry
Procter & Gamble Co., Cincinnati, Ohio
June, 1973
John R. Cameron
DuPont Company, Cleveland, Ohio
Michael J. Katila
Pursuing Ph.D. degree, University of Cincinnati
Seong H. Rhee

August, 1973
Gary L. Hahn
Westreco, Marysville, Ohio
Edward K. King
Union Carbide, S. Charleston, W. Va.
Larry S. Moyer
Procter & Gamble Co., Cincinnati, Ohio
David M. Sliva
Allan W. Strong
Eastman Kodak, Rochester, N.Y.
S.B. Tirtawidjaja
Returned to home in Indonesia
Donald L. Weaver
DuPont Co., Wilmington, Delaware

December, 1973
Sun-I Chen
Pursuing Ph.D. degree at Ohio State University
Philip G. Knowles
U.S. Marines
Richard K. Law
Pursuing Ph.D. degree at M.I.T., Boston Mass.
Arthur N. Maupin
Returned to former employer
Mard D. Westbrook
Pursuing Ph.D. degree, Agriculture Engr., Ohio State

DOCTOR OF PHILOSOPHY

March, 1973
Mazen Y. Anastas
Battelle Memorial Institute
Jeffrey T. Kuo
Monsanto Company, Decatur, Alabama
Harvey S. Rosenberg
Battelle Memorial Institute

June, 1973
Jorge A. Guzman
University of Americas, Pueblo, Mexico

August, 1973
David P. Turtle
E.I. duPont, Wilmington, Delaware

December, 1973
Charles N. Carpenter
Monsanto, Decatur, Alabama
Raul E. Fajardo
Professor, Universidad Nacional de Ingenieria, Lima, Peru
Paul W. Springer
Diamond Shamrock, Cleveland, Ohio
## COLLEGE OF ENGINEERING ENROLLMENT
### AUTUMN QUARTER 1973
(Registrar's Data Columbus Campus)
14th Day

<table>
<thead>
<tr>
<th></th>
<th>UVC 100</th>
<th>UVC Other</th>
<th>1st YEAR</th>
<th>2nd YEAR</th>
<th>3rd YEAR</th>
<th>4th YEAR</th>
<th>5th YEAR</th>
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<td>5</td>
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<td>64</td>
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<td>Arch.</td>
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<td>GRAND TOTAL</td>
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<td>414</td>
<td>85</td>
<td>586</td>
<td>556</td>
<td>581</td>
<td>237</td>
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UVC-ENG Enrollment, Regional Campuses: 109 (does not include AHRR)
UVC-ENG Enrollment, Columbus, Rank 1: 680 (does not include AHRR)
* Includes 9 "Irreg" (students with college degrees)
* Includes 75 "PTEO" (less than seven credit hours)
College of Engineering
LAMME AWARD
May 11, 1973
L. KERMIT HERNDON

L. Kermit Herndon, former chairman, president and chief executive officer of the Weinman Pump Company, Columbus, guided that firm to a position of eminence as an independent pump manufacturer before he retired in 1971. Dr. Herndon attended West Virginia University and received the bachelor of chemical engineering degree from Ohio State University in 1929, followed by the master of science degree, from Ohio State in 1931. In 1934, from West Virginia University, he received the professional degree, Chemical Engineer, and in 1938 from Ohio State he received the doctorate degree in chemical engineering. For a time he worked for the State Water Commission of West Virginia and DuPont, joining the faculty of chemical engineering at Ohio State in 1936, where he supervised one of the largest industry-sponsored research projects ever administered through the Research Foundation. Dr. Herndon has had a long and productive career in engineering education, academic and industrial research and development, and industrial management. A major accomplishment by Dr. Herndon was his guidance as director of research, for Olin Mathieson Chemical Corporation, of that company's high energy fuels program, which culminated in the development of high energy boron compounds for use as aircraft and missile fuels. This effort led to pilot plant work, plant design, and construction and operation of three commercial ventures which cost more than $100 million. He has written some fifty technical papers and popular articles and has several patents to his credit. He has been on the advisory board for Niagara University and several other organizations and concerns. In civic activities Dr. Herndon is a past master of the Masonic Lodge, was a director of Junior Achievement, a member of both Players and Rotary Clubs. Listed in several publications, he is a member of the American Chemical Society and the American Institute of Chemical Engineers. He belongs also to the American Society for Engineering Education, the American Society for Testing and Materials and is a registered professional engineer in several states.
Robert L. Savage, former assistant to the president for planning, budgeting and information systems at Ohio University in Athens, Ohio, is now on leave serving as a consultant to Mara Institute of Technology in Malaysia. He received the bachelor of chemical engineering degree in 1938 from Ohio State University, a masters degree in 1942 from Case Institute of Technology in Cleveland and the doctorate degree in 1945, also from Case Institute of Technology. He has since been a research engineer and assistant supervisor in chemical engineering research at Battelle Memorial Institute in Columbus, a professor of chemical engineering at Case Institute of Technology and vice president for research for the North American Coal Corporation in Cleveland. He joined Ohio University as director of research for science and engineering in March, 1964, became dean of the College of Engineering and Technology in July, 1965, and was appointed vice president for research at Ohio University. A creative engineer, Dr. Savage's research in high pressure hydrogenation and polymerization, chlorination of hydrocarbons and extraction of aluminum sulfate and aluminum oxide from coal shale have resulted in a number of publications and patents. Active in civic and community affairs, Dr. Savage is a member of the board of directors for the Athens United Appeal. He is also a member of the Athens Rotary International and the Athens Chamber of Commerce. He was chairman of the American Chemical Society in 1954 and chaired the ninth National Chemical Exposition in Cleveland in 1956. He is a member of the American Institute of Chemical Engineers and a registered professional engineer in Ohio. Author of 15 publications, Dr. Savage holds three patents. His industrial management responsibility has included the direction of a sizeable chemical project from research through pilot plant and commercial operation. Dr. Savage has made important contributions to higher education which range from developing new graduate programs in engineering education and coordinating interdisciplinary research to the design of new planning, budgeting, information systems for the university. An inspiring teacher and an able administrator, Dr. Savage has made numerous significant contributions to industry and to higher education. He received the Cleveland Chemical Profession Certificate of Merit in March, 1957.
Aldrich Syverson, chairman of the Department of Chemical Engineering at Ohio State was selected as the Technical Man of the Year by the Columbus Technical Council (CTC). The award was presented at the CTC’s annual awards banquet at the Center of Science and Industry on February 19, 1974. CTC is an organization composed of 16 engineering and technical societies in and around Columbus with a membership of approximately 5000.

Dr. Syverson received his B.S. and Ph.D. degrees from the University of Minnesota in 1938 and 1942, respectively. From 1942 – 1944, he was a chemical engineer in the research division of the B.F. Goodrich Company. He then served as manager of Organic Chemicals Development and Plant Manager of the Avon Lake Experimental Station of B.F. Goodrich Chemical Company until 1948. From 1948 to 1950, Dr. Syverson served as an associate professor at Syracuse University.

Dr. Syverson, prominent for his university research in heterogeneous catalysis and chemical process design, came to the University as an associate professor in chemical engineering in 1950 and was promoted to a professorship in the department in 1954. He became Associate Chairman in 1967 and Chairman in 1958.
<table>
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<tr>
<th>Year</th>
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<td>1928</td>
<td>R.G. Goble</td>
<td>1952</td>
<td>Hamid Al-Ahad</td>
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<td>C.G. Wood</td>
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<td>Chieh Ma</td>
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<td>1912</td>
<td>W.N. Lorentz</td>
<td>1929</td>
<td>E.B. Layfield</td>
<td>1953</td>
<td>T.B. Williams</td>
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<td>1913</td>
<td>A.N. Erickson</td>
<td>1931</td>
<td>Mrs. H. Hsiang</td>
<td>1954</td>
<td>T.R. Smith</td>
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<td>F.C. Smith</td>
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<td>1914</td>
<td>W.J. King</td>
<td>1934</td>
<td>S.C. Lyon</td>
<td>1955</td>
<td>G.L. DePablo</td>
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<td>R.C. Fischer</td>
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<td>1917</td>
<td>En-Ton-Lee Toma</td>
<td>1937</td>
<td>A. Gordon</td>
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<td>1919</td>
<td>C.C. Keckler</td>
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<td>1958</td>
<td>N. Eliades (P.E.)</td>
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<td>M.R. Shaefer</td>
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<td>T.K. Wu</td>
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<td>1920</td>
<td>Yu Sen Tsen</td>
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<td>G.D. Kane</td>
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<td>R.D. Kumajon</td>
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<td>P.W. Brown</td>
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<td>M.C. Reed</td>
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<td>1922</td>
<td>V.R. Morris</td>
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<td>C.Y. Pany</td>
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<td>A.F. Acosta</td>
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<td>Anthony George</td>
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<td>G.M. Lehman</td>
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<td>1968</td>
<td>J.F. Dletz</td>
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<td>R.M. Archambeault (P.E.)</td>
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DECEASED CHEMICAL ENGINEERING ALUMNI
(Since last Alumni Report)

1911
Carl D. McGuire

1912
Harry W. Brinker
Hayes T. Darby

1913
Alfred W. Scheidt

1917
Edmond H. Deibel

1921
Norman J. Husman
Homer L. Cupples

1929
Ralph H. Wing

1931
Arthur R. Miller

1942
John C. Houston

1949
W.C. Miller

1950
James C. Hahn

1951
Robert Q. Wilson

1952
Ronald B. Steele
The photographs on the subsequent pages reflect some of ACE Day 1973 program activities such as honoring our alumni anniversary classes, awards, a special demonstration of computer-aided instruction, and just plain reminiscing and fun.
The day begins with the "sunny" portion of the staff.

Reminising and small talk.
ChE TECHNICAL SESSION

Minicomputer Panel - J.T. Heibel, M.P. Grant
W. Steward, C. Smith.

Miniviews of their attentive audience.
AWARDS

Sy introduces Bob Savage -
1973 Distinguished Alumnus

and presents outstanding Teaching
Associate awards to Charlie Carpenter

and Jorge Guzman.
1973 AIChE Student Contest Award being presented to Bill Fugel by Dwight Hershey.

Ken Cox receives the Student Chapter Scholarship Award.

Tom Spriggs being given the M.W. Kellogg Design Award by Ed Haering.


The "Kids" (1968) - J. Taraba, G.A. Lindsay, R.M. Kovach, J.W. Sebert.
Class of 1943 - C.F. Effler, W.S. Lodge, R.E. Albert.

D.C. Bowers representing the Class of 1953.

While some made merry others toiled -

Mike Kukla and Jane Sullivan checking the program

Kelly Latham with Karl Svanks and a hot project
Please let us know of any correction concerning your current records or address.