Pictured on the opposite page are the staff and most of the members of the graduating class of 1969.

First Row (left to right)
Mundhenk, D.L.
McCrickin, R.W.
Sullivan, J.E. (Secy.)
Bole, N.L. (Secy.)
Koffolt, J.H. (Prof.)
Syverson, A. (Chairman)
Frazier, B.M. (Dept. Secy.)
Guzman, J.A.
Prentice, G.A.
Uy R.

Second Row (left to right)
Howland, S.E.
Geankoplis, C.J. (Prof.)
Matthews, S.E.
Litt, R.D.
Curran, J.J.
Becher, J.H.

Third Row (left to right)
Braun, J.L.
Slider, H.C. (Prof.)
Gorman, M.J.
Wysocki, C.G.
Ballantyne, W.E.
Ahn, Y.J.

Fourth Row (left to right)
Brodkey, R.S. (Prof.)
Svanks, K. (Prof.)
Toussant, J.W.
Tanner, J.B. (Admin. Asst.)
Kaplan, J.A.
Painter, D.R.
Hilton, L.G.
Pak, S.C.
Thomas, R.V.

Fifth Row (left to right)
Fajardo, R.E.
Guttmann, C.G.
Emmert, R.J.
McMillan, M.L.
Dietz, J.F.
Mehta, M.M.
Choy, E.M.

Sixth Row (left to right)
Freeh, E.J. (Prof.)
Smith, E.E. (Prof.)
Rominger, M.C.
Duvall, T.T.
Mogollon, E.F.
Hershey, H.C. (Prof.)
Hafeez, A.E.
Lynn, R.E. (Prof.)
Kreglewski, A. (Visiting Assoc. Prof.)
Kay, W.B. (Prof.)

Seventh Row (left to right)
Zakazycz, S.
Haering, E.R. (Prof.)
Welsh, R.R.
GREETINGS FROM ALL OF US ON THE STAFF:

This year marks the one-hundredth anniversary of The Ohio State University. The Centennial "Objectives" presented by Dr. Alfred B. Garrett, Centennial Committee Chairman, explain the important purposes of this year-long celebration.

(From The Ohio State Lantern, January 12, 1970)

We in chemical engineering are glad to be a part of this program and are looking forward to doing our part to "meet the challenges of this new century." Over the years, alumni have played a significant role in the development of the University and it is our hope that they will share in this centennial event. In this connection, I am pleased and proud to announce that a number of honors and awards will be bestowed upon Chemical Engineering alumni during the coming year.
During this centennial year we reflect upon the progress of the past century. To reduce our time scale by a factor of one hundred, I would like to review for you some of the highlights in Chemical Engineering of only one year - namely, the past year.

In connection with our Centennial Year, the University is compiling a history based, in part, upon the history of each department. For Chemical Engineering, there was no one more suited for this than Joe Koffolt. He has spent considerable time searching the University's archives, old files and obscure places and has accumulated some interesting information. Web Kay attended the "First International Conference on Calorimetry and Thermodynamics" in Warsaw, Poland, last summer. Christie Geankoplis continues teaching and research in mass transfer and spent the summer with the Chemical Division of General Mills in Minneapolis. Bob Brodky is active in rheology aspects of polymer engineering and is developing a program in biomedical engineering. (Based on his work on the statistical nature of turbulence, he is analyzing sound hoping to use this information to develop an ear substitute). Ed Smith, who now teaches our nuclear engineering courses, is directing research concerned with the formation and abatement of acid mine drainage. Ed Freeh is part of the group working to establish a facility for the conduct of research on plasticating extrusion process. He is concerned chiefly with the modeling and control aspects in which the new departmental PDP-15 computer facility will be employed. During the past year he has presented papers on process simulation and control in Colorado Springs, Duluth, Salt Lake City, and Tucson.

Tom Sweeney continues work in areas of air pollution and heat transfer and hopes to offer a short course in air pollution next summer. Slip Slider keeps our Petroleum Engineering Program rolling and is very active in teaching short courses at Ohio State University and in several petroleum companies in "fluid flow in petroleum reservoirs" and in "gas reservoir engineering." Emy Lynn has developed a sequence of courses in polymer engineering and now has several graduate students doing research in this field.

Ed Haering has done an excellent job in the Summer Operations Laboratory and spent this past autumn with Procter and Gamble at Cincinnati. Harry Hershey teaches experimental design and optimization, transport processes and chemical technology. His research deals with rheology, drag reduction, and mathematical modeling, including applications to the acid mine drainage project. Karl Svanks is concerned with research in water pollution by phosphates as well as The American Society for Testing Materials methods.
and Engineering Experiment Station research, Waldron Sheets continues his research program in conjunction with the Water Resources Center. He had a training program for personnel for water supply and water pollution control facilities which has involved 40 instructors and 700 students throughout the state of Ohio. Jim Tanner's capable assistance has been most helpful to make the work of our staff effective in this increasingly complex system. His help in preparing this report is greatly appreciated.

John T. Heibel joined the department last autumn as a Visiting Assistant Professor. John recently received a Ph. D. from the University of Arizona and is working with Dr. Freeh in the development of new computer facilities for the department. Dr. Heibel will be with us next year as an assistant professor and will be responsible for developing a research and teaching program in Environmental Dynamics.

The Polymer Engineering program has been developing very well. The interest and support we have been getting is most gratifying. Professors Lynn, Freeh, Brodkey, Heibel and Hershey have made excellent progress and we are pleased with the response we have received from industry. By spring or summer we should have the experimental plastic extrusion system in operation.

Dean H. A. Bolz and Dean R. S. Green have been very helpful in supporting a Computer-added-instruction program in the Department of Chemical Engineering. Funds from the University, College of Engineering, alumni, industry and government have made it possible for us to purchase and develop a unique computer system for our department. We expect to receive the first unit, a PDP-15 computer, in February and the remainder of the equipment by April. Drs. Freeh and Heibel along with Mike Kukla (our electronics expert) have been very busy designing and building the interface equipment. When complete, the system will provide new classroom and teaching aides and immensely improved capabilities for research in new as well as in existing areas. Acquisition and reduction of data and on-line mathematical modeling are examples. Teaching and research programs that will employ the computer immediately are: polymer engineering, mathematical modeling and simulation environmental dynamics, reaction kinetics, and process control. The computer system is designed to accommodate applications common to many chemical engineering problems and, to the best of our knowledge, is a unique system.

The 1970 Annual Conference for Engineers is scheduled for Friday, March 20, about two months earlier than last year to coincide with the Centennial program. We extend a cordial invitation to all of you and a special invitation to all the anniversary classes - 1910, 1915, 1920, 1925, 1930, 1935, 1940, 1945, 1950, 1955, 1960, 1965. We look forward to your being with us on this occasion.

This past year has been a most gratifying one for me. This has come about largely through the assistance from colleagues, students, university administration, alumni, and industry. May I express my personal thanks, as well as the appreciation of our staff and students, for your generous support.

Best wishes from all of us.

Sincerely,

Aldrich Syverson
Dear Jewels:

I am very happy that Sy is continuing the Annual Report to our alumni. It is good, too, on my part to be able to write to all of you again. I am sorry that I have been unable to send Christmas cards to all of you. It developed into a Heroulean job, and a physical impossibility (I am not getting much younger). I do hope that most of you will be back on ACE DAY, Friday, March 20, 1970.

HISTORY OF THE DEPARTMENT

I completed this last September, and we now have five bound copies of at least 500 pages. I am now preparing a more comprehensive one, which will include many photographs. However, we do not have a more comprehensive one classifying our alumni. I prepared one back in 1958 in which we listed all of our alumni, giving their titles and company affiliation. We would like to bring this up-to-date so we need your cooperation on this. Kindly FILL OUT THE ENCLOSED CARD giving the information requested. We will be happy to send you a copy after it is finished. It will take at least six months to compile these data.

The following is a summary of many of the items included in the history of the department.

The name of the degree for the curriculum in Chemical Engineering indicated changes. The records indicate that the first degree was given in 1909, B.S. in Chemistry from the Chemical Engineering Department. The 1901-1902 bulletin gives for the first time the following statement concerning what might be called Chemical Engineering "The course will include lectures on Industrial Chemistry as practicable with plant visits and lectures by specialists." 1903 bulletin gives for the first time the outline for the course in Chemical Engineering. The degree was still Bachelor of Chemistry in the College of Engineering. In 1904 the name of the degree was Bachelor of Science in Chemical Engineering. In 1906 the first two recipients of this degree were the late Arthur C. Fieldner and Lewis Benjamin Case. Dr. Fieldner endowed a fellowship in Chemical Engineering after his death. The name of the degree was changed in 1916 to Bachelor of Chemical Engineering. In 1946 the curriculum in Chemical Engineering was changed to five years but it was possible for the better student to obtain a Master of Science degree, provided that he had a 3.0 average after four years. In 1973 the degree will be changed to Bachelor of Science in Chemical Engineering. Effective June, 1969, the departments of the College of Engineering went on the four-year program.

DEPARTMENT OF CHEMICAL ENGINEERING

Chemical Engineering was a division of the Chemistry Department from 1902 to October 1924. This was true of most of the chemical engineering departments throughout the country. The beginning of chemical engineering is usually attributed to M.I.T. although some people claim the Polytechnical Institute had a course in chemical engineering in 1888. At the turn of the century there were chemical engineering curricula at the University of Wisconsin, the University of Michigan, Armour Institute of Technology (now known as Illinois Institute of Technology) and Columbia University.

On June 5, 1924, at a College of Engineering Faculty meeting, Professor Magruder (Mechanical Engineering), made a motion to establish a department of Chemical Engineering. This was approved by the College of Engineering and the Board of Trustees and Dr. Withrow was appointed chairman of the Department of
Chemical Engineering. Although from 1906 to 1924, he headed-up the division of chemical engineering in the chemistry department, he retired as chairman of the chemical engineering department in 1946. He was succeeded by Joseph H. Koffolt who was chairman until he retired from this position in 1968. Dr. Aldrich Syverson was appointed as the third chairman in 1968.

MINING AND PETROLEUM ENGINEERING

On May 7, 1877 an act was established for a school of Mines and Mining in the Ohio Agricultural and Mechanical College (now known as the Ohio State University). About 1925 the curriculum in Petroleum Engineering was established. It was headed up by the late Professor Edward V. O’Rourke, a graduate of Mining Engineering. In 1956 the work in petroleum engineering was transferred to the chemical engineering department. The enrollment in Petroleum Engineering was very low and the future did not seem bright. In January, 1960 the curriculum in petroleum engineering was changed to an option or a program in chemical engineering.

SALARY OFFERS

An accurate record of the beginning salaries was made. It is given in the following table:

<table>
<thead>
<tr>
<th>YEARS</th>
<th>B.Ch.E. High</th>
<th>B.Ch.E. Low</th>
<th>M.S. High</th>
<th>M.S. Low</th>
<th>Ph.D. High</th>
<th>Ph.D. Low</th>
</tr>
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<tbody>
<tr>
<td>1951-51</td>
<td>$450</td>
<td>$281</td>
<td>$525</td>
<td>$339</td>
<td>$560</td>
<td>$475</td>
</tr>
<tr>
<td>1968-69</td>
<td>$1000</td>
<td>$850</td>
<td>$1100</td>
<td>$900</td>
<td>$1355</td>
<td>$1104</td>
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TOTAL NUMBER OF DEGREES CONFERRED BY THE DEPARTMENT

<table>
<thead>
<tr>
<th>Year</th>
<th>B.Ch.E.</th>
<th>M.Sc.</th>
<th>Ch.E.</th>
<th>Ph.D.</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1969</td>
<td>1,694</td>
<td>769</td>
<td>29</td>
<td>245</td>
<td>2,737</td>
</tr>
</tbody>
</table>

BUDGET – CHEMICAL ENGINEERING

1925 - 1968
Salaries for instruction was $11,432.66 and $268,200.55 in 1968. Equipment value in 1925 was $1,956.74 and $788,275.69 in 1968.

The large increase in the equipment value is due to the generosity of the alumni who have contributed $300,000 for the department equipment, fellowships, printing, and traveling.

Complete details of money for equipment, printing, travel and other items are given in the history of the chemical engineering department.

With kindest regards to all of you and look forward to seeing you Friday, March 20.

Joseph H. Koffolt
ALUMNI CENTENNIAL WEEKEND PROGRAM

FRIDAY, MARCH 20
7:00 p.m. - Gala Centennial Ball, Columbus Sheraton (includes pre-dinner reception, dinner and dancing). ($17.50)

SATURDAY, MARCH 21
A special Centennial Reunion has been prepared for all returning alumni other than those in the classes of 1910, 1920, and 1945. This includes these morning and afternoon events:

9:30 a.m. - Registration Kaffee Klatsch, Bus Tours, Walking Tours, Special Exhibits and showings (Ohio Union). ($6.50)

12:00 noon - Centennial Reunion Luncheon (Ohio Union).

2:00 p.m. - "Time & Change..." (Mershon), An exciting multi-media program. Everyone invited, no charge.

5:00 p.m. - Late Afternoon "Open House" and Fashion Show (Ohio Union). Everyone invited, no charge.

6:30 p.m. - Centennial Sunset Supper (Ohio Union). Limited seating capacity. The Sunset Supper may be sold out. Provisions have been made for eating elsewhere in the Ohio Union, if you desire. ($6.00)

9:00 p.m. - Evening "Open House" (Ohio Union). Informal hospitality, entertainment - everyone invited, no charge. Closes at 1:00 a.m.

SUNDAY, MARCH 22
2:00 p.m. Charter Day Ceremony (Mershon). Our official and formal Centennial recognition; a key event for the entire observance year. Everyone invited, no charge.

8:00 p.m. Centennial Concert - Beethoven Ninth Symphony. (Mershon). $6, $5.50, $5, $4.50, $3.50, $2.50
FRIDAY, MARCH 20, 1970

THE SEVENTEENTH ANNUAL CONFERENCE FOR ENGINEERS

and

THE FORTY-FIRST ANNUAL HOMECOMING OF THE DEPARTMENT OF CHEMICAL ENGINEERING

MORNING SESSION

8:00 REGISTRATION - Hitchcock Hall
8:30 Technical Exhibits - Highlighting some important pioneering ventures in the College
10:00 MORNING PROGRAM
   Dr. Gordon B. Carson
   Dr. Paul Chenea, Vice President of Research, General Motors Corporation
11:45 ALUMNI REUNIONS

LUNCHEON SESSION

12:15 Luncheon Session, Ohio Union Ballroom, presiding, Marion L. Smith, Associate Dean, College of Engineering
   Recognition of "Engineering Honor Students"
   Presentation of Centennial Year "Distinguished Alumnus Awards"

DEPARTMENTAL SESSIONS

Department of Chemical Engineering, Chemical Engineering Building, Rm. 207

2:00 Welcome to Alumni and Guests - Aldrich Syverson
   Introduction of Anniversary Classes - Joseph H. Koffolt
   Introducing the Golden Anniversary Class of 1920

LIVING

Clifford Raymond Athy
Ralph Daniel Baker
Robert Anderson Fisher
Philip Mauro Foote
Albert Shirley Fultz
Paul DeWitt Gephart
Marion Wesley Fredrich Harmon
John Willard Horne
Gabriel Henry Katz
Stuart Anderson Koegle
Clare S. Martin
Lyle Jordan Michael
James McKee Montgomery
Robert Ernest Mueller
Angus Herman Orr
Gordon D. Patterson
James Thomas Robson
Cornelius John Ryan
Ronald Wade Thompson
Harold Van-Doren

DECEASED

Fredrich Vernon Doutt
Russell Floyd Hamilton
Haney Clay Howell
Richard Robert Kennedy
Louis John Mathias, Jr.
Roy Pastor
Ying Lam Pun
Victor Jerome Roehm
Harold Theodore Reiner-Ruff
Carroll L. Strait
Frank Carl Vilbrandt
Joseph Melville Volzer
2:45 Computers in Chemical Engineering Research - Process Control, Data Collection and Analysis - Dr. John T. Heibel

3:15 Informal Research Seminars

Transient Adsorption and Heterogeneous Catalysis - Dr. Aldrich Syverson
Critical Properties of Liquids - Dr. Webster B. Kay
Problems of Fluid Dynamics in Chemical Engineering, Mixing, Turbulence and Kinetics, Rheology, Two-Phase Flow, Biomedical Area, Archaeological detection - Dr. Robert S. Brodkey
Mathematical Modeling, Process Dynamics and Control - Dr. Edward J. Freeh
Mass Transport Phenomena of Liquids and Gases in Heterogeneous Media - Dr. Christie J. Geankoplis
Polymer Research and Instruction Program - Dr. R. Emerson Lynn
Water Research, Petroleum Refining Research, Reaction Mechanism Studies, Development of Analytical Methods and Nuclear Chemical Engineering - Dr. Edwin E. Smith and Dr. Karlis Svanks
Drag Reduction - Dr. Harry C. Hershey
Air Pollution, Heat Transfer - Dr. Thomas L. Sweeney
Water Supply and Water Pollution Control - Professor Waldron D. Sheets
Student Demonstrations of Petroleum Reservoir Core Analysis; Porosity, Permeability, Oil and Water Saturation and Capillary Pressure on Pore Size Distribution - Professor H. C. Slider
Kinetics, Catalysis and Adsorption - Dr. Edwin R. Hering

4:00 Social Hour - Unit Operations Lab, Room 117

6:00 Anniversary Class Reunions
THE OHIO STATE UNIVERSITY
Department of Chemical Engineering
1969-1970 List of Staff Members, Fellows, Scholars, Research Assistants and Associates

Professors
Aldrich Syverson, Chairman
Robert S. Brodkey
Edward J. Freeh
Christie J. Geankoplis
Webster B. Kay
Joseph H. Koffolt
Edwin E. Smith

Associate Professors
Waldron D. Sheets
H. C. Slider
(Petroleum Engineering)
Thomas L. Sweeney

Alcoa Professorship
Ralph E. Lynn, Jr.

Adjunct Associate Professors
Robert L. Bates
John S. Eckert
John B. Martin

Assistant Professors
Edwin R. Haering
Harry C. Hershey
Karlis Svanks

Visiting Assistant Professor
John T. Heibel

Teaching Associates
Charles N. Carpenter
Dean H. Reber

Mechanic
Keldon Latham

Fellowships
1. American Cyanamid Co. Fellow
   David P. Turtle
2. Diamond Alkali Fellow
   Dean H. Reber (Summer Qtr.)
3. Dow Chemical Co. Fellows
   Carl R. Lieberman
   John I. Schlaechter
4. Esso Research & Engineering Fellow
   Richard D. Stolk
5. Arno C. Fieldner Fellow
   Edward T. Whalen
6. Lubrizol Fellow
   Michael C. Rominger
7. National Science Fndtn. Fellows
   Bradford F. Dunn
   David R. Grove
   Donald C. Haberkost
   Michael S. Lerch
   James N. Stambolis
8. Procter & Gamble Fellow
   John C. Reindl
   Mazen Y. Anastas
   Stavros G. Nychas (Autumn Qtr.)
   Joseph L. Taraba (Win. & Spg. Qtr.)
10. Shell Companies Foundation Fellow
    David M. Koenig
11. Union Carbide Corp. Fellow
    Wayne R. Fontaine

Scholarships
1. Goodyear Foundation, Inc. Scholar
   David R. Miller
2. Marathon Oil Scholar
   Gary W. Good
3. Monsanto Company Scholar
   Michael W. Kosakowski
4. Rohm & Haas Co. Scholars
   Terry S. Groh
   Walter R. Nixon
5. Shell Oil Co. Scholar
   Charles S. Joublanc
6. Standard Oil of California Scholar
   Danley B. Wolfe
7. Union Camp Paper Scholar
   David C. Grulke
8. Union Carbide Corporation Scholar
   Ronald B. Ransom
9. Chemical Industry Council of Ohio Scholar
   Michael A. Curran
(Scholarships continued)

10. Union Oil Of California Scholar
   Terry S. Groh
11. Universal Oil Products Scholars
    David R. Boodey
    Charles S. Joublanc
    Phillip G. Knowles

Research Associates
Engineering Experiment Station
Paul L. Smith

Graduate Research Associate
Engineering Experiment Station
Jorge A. Guzman
Arthur H. Morth

Graduate Research Associate
Research Foundation
Raul E. Fajardo
Jeffrey T. Kuo
Sung Chun Pak
Ronald R. Remick
Kyral Wylie
Peh-Nein Yieh

A I D Fellow
C. G. Guttman
CONTRIBUTIONS TO THE DEPARTMENT OF
CHEMICAL ENGINEERING

We are grateful for the many generous contributions by alumni and industry to the Department. This assistance has provided the money for a vital part of our program. Scholarships and fellowships are essential if we are to assist our most worthy students and to compete for the most outstanding. Modern facilities for teaching and research have become increasingly important. Contributions by alumni and grants-in-aid, scholarships and fellowships support by industry are a significant factor in our program and we offer our heartfelt thanks for your concern and help.

FELLOWSHIPS
1. American Cyanamid Company
2. Dow Chemical Company
3. Diamond Shamrock Company
4. Esso Education Foundation
5. Arno C. Fieldner Research Fellowship in Chemical Engrg.
6. Lubrizol Corporation
7. Procter and Gamble Company
8. National Science Foundation
9. Louis A. and Lucile Roberts Memorial Fellowship
10. Shell Companies Foundation
11. Union Carbide Corporation
12. Federal Water Pollution Control Admin.

SCHOLARSHIPS
1. Chemical Industry Council of Ohio
2. Dow Chemical Company
3. Goodyear Foundation
4. Marathon Oil Company
5. Mobil Oil Corporation
6. Monsanto Company
7. Rohm and Haas
8. Standard Oil of California
9. Union Camp Corporation
10. Union Oil Company
11. Universal Oil Products Company
12. Dr. James R. Withrow Memorial Scholarship

GRANTS-IN-AID* AND OTHER CONTRIBUTIONS
1. ALCOA
2. Celanese Corporation
3. Digital Equipment Corporation
4. Dow Corning Corporation
5. E.I. duPont de Nemours & Company, Inc.
6. B.F. Goodrich Company
7. Hercules Company
8. Industrial Nucleonics
9. Koppers Company
10. Reliance Electric Company

* Many grants-in-aid are used for fellowships and scholarships

SPECIAL FUNDS

<table>
<thead>
<tr>
<th>Scholarship/Project</th>
<th>DEVELOPMENT FUND PROJECT NO.</th>
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<tr>
<td>Joseph H. Koffolt Undergraduate Scholarship Award in Chemical Engineering</td>
<td>2427</td>
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<td>Dr. James R. Withrow Memorial Scholarship</td>
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<tr>
<td>&quot;Class of Champions&quot; Chemical Engineering Memorial Fund</td>
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<td>Department of Chemical Engineering Equipment Fund</td>
<td>5659</td>
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BACHELOR OF CHEMICAL ENGINEERING

Yong J. Ahn
John J. Curran
Thomas T. Duvall
Leslie W. Feller
Luther G. Hilton
Seward E. Matthews
Robert W. McCrackin
John L. Shailer
Richard N. Thomas
John W. Toussant
Carl G. Wysocki

Ronald J. Emmert
David L. Mundhenk
Steven E. Russell

Michael J. Gorman
Rodney R. Welsh

MASTER OF SCIENCE

William E. Ferguson
Paul D. Jachimak
Douglas E. Smith

Scott M. Barrick
James L. Braun
Jorge A. Guzman

Mazen Y. Anastas
Wayne E. Ballantyne
John H. Becher
Smith E. Howland
Robert D. Litt
Edilberto Mogollon-Fernandez
Geoffrey A. Prentice

DOCTOR OF PHILOSOPHY

Thomas W. Doub
Kiu H. Lee
M. Anandha Rao
Karl Scheller

Saswinadi Sasmojo

JUNE, 1969

Parke-Davis Co., Holland, Michigan
Mobil Oil International - Lybia
PPG Industries, Natrona, Pa.
Goodyear Tire & Rubber Co., Akron, O.
B.F. Goodrich Company
Standard Oil Co. of Ohio, New London, O.
Mobil Oil International, Lybia
U.S. Navy Nuclear Pwr School, Mare Is. Calif.
Monsanto Co., Addyston, O.
Procter & Gamble Co., Cincinnati, O.
Standard Oil Co. of Ohio, Toledo, O.

AUGUST, 1969

Standard Oil Co. of Ohio
Shell Oil Company
Hercules, Inc. Wilmington, Del.

DECEMBER, 1969

U.S. Navy

JUNE, 1969

E.I. duPont de Nemours Co., La Porte, Tex.
Pursuing a Ph.D. degree
PPG Industries, Beaumont, Tex.

AUGUST, 1969

Babcock & Wilcox, Alliance, O.
Procter & Gamble Co., Cincinnati, O.
Pursuing a Ph.D. degree

DECEMBER, 1969

Pursuing a Ph.D. degree
Humble Oil Co., Kingsville, Tex.
Pursuing a Ph.D. degree
U.S. Steel Chemicals, Ironton, O.
Humble Oil Co., Baton Rouge, La.
Pursuing a Ph.D. degree
Goodyear International, Akron, O.

JUNE, 1969

Tennessee Eastman Co., Kingsport, Tenn.
Union Carbide Corp. S. Charleston, W.Va.
American Standard Co., New Brunswick, N.J.
Aerospace Res. Lab., WPAFB, Dayton, O.

AUGUST, 1969

No Graduates

DECEMBER, 1969

Institute of Technology, Bandung, Indonesia
The list of interviewing companies for (1969-70) school year is presented below:

1. Air Reduction Company
2. Allied Chemical
3. Aluminum Company of America
4. American Cyanamid Company
5. American Potash
6. Ashland Oil & Refining Company
7. Atlantic Richfield Company
9. Babcock & Wilcox
10. Borg-Warner Corporation
11. Celanese Corporation
12. Chicago Pump
13. Consolidate Papers
14. Continental Oil Company
15. Corning Glass Works
16. Diamond Shamrock Corp.
17. Dow Chemical Company
18. Dow Corning Corporation
19. E.I. duPont de Nemours & Company
20. Eastman Kodak Company
21. Eli Lilly & Company
22. Esso Research & Engineering
23. Ferro Chemical
24. Firestone Tire & Rubber
25. FMC - American Viscose
26. FMC Corp. - Chemical Group
27. FMC Corp. - Inorganic Chemicals Div.
28. Ford Motor Company
29. General Electric Company
30. General Foods Corporation
31. General Mills
32. General Motors
33. Glidden Durkee
34. B.F. Goodrich Company
35. Goodyear Tire & Rubber Company
36. Gulf Oil
37. Gulf Research & Development
38. Hercules, Inc.
40. M.W. Kellogg
41. Kimberly Clark Corporation
42. Lambda Corporation
43. Lubrizol Corporation
44. Marathon Oil Company
45. Arthur G. McKee
46. Mobil Research & Development
47. Monsanto Company
48. Morton Chemical Company
49. National Lead Company
50. National Starch & Chemical Corp.
51. Olin Mathieson Chemical Corp.
52. Owens-Corning Fiberglas
53. Owens-Illinois, Inc.
54. Pan American Petroleum Corp.
55. Parke-Davis & Company
56. Charles Pfizer & Company
57. PPG Industries
58. Procter & Gamble
59. Republic Steel Research Center
60. Rohm & Haas Company
61. Shell Companies
62. Sherwin-Williams Company
63. A.E. Staley Manufacturing Co.
64. Standard Oil of California
65. Standard Oil Company (Indiana)
66. Standard Oil Company (Ohio)
67. Stauffer Chemical
68. Sun Oil Company
69. Tennessee Eastman
70. Texaco, Inc.
71. 3-M Company
72. Union Camp Corp.
73. Union Carbide - Chemicals & Plastics
74. Union Carbide - Food Products
75. Union Carbide - Linde Division
76. Union Carbide - Liquid Carbonic
77. Union Carbide - Mining & Metals
78. Union Carbide - Nuclear Division
79. Union Oil of California
80. Uniroyal
81. Universal Oil Products
82. University of California - Los Alamos Lab.
83. Wallace & Tiernan
84. Westvaco
85. Youngstown Sheet & Tube
THE OHIO STATE UNIVERSITY
DEPARTMENT OF CHEMICAL ENGINEERING

SALARY OFFERS FOR 1969-1970

Underlined salary offer accepted.

BACHELOR OF CHEMICAL ENGINEERING (5 years)

<table>
<thead>
<tr>
<th>No.</th>
<th>Salary Offers</th>
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<tr>
<td>1.</td>
<td>945, 925</td>
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<tr>
<td>2.</td>
<td>960, 915</td>
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<td>890, 925, 936</td>
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<td>870, 931, 965</td>
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COMBINED BACHELOR OF CHEMICAL ENGINEERING AND MASTER OF SCIENCE

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MASTER OF SCIENCE

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DOCTOR OF PHILOSOPHY

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NOTE: This year's list is much shorter due to the early date of submission of this publication to the printers.
## College of Engineering Enrollment

### Autumn Quarter 1969

(Ranking identified with students' progress toward degree)

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<th>1st Year</th>
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**GRAND TOTAL**: 3545

Included in above totals:

Lima-1, Mansfield-1, Newark-1, WPAFB-40

15
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<td>E.W. Gorman</td>
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<td>Roy Choudhury</td>
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<td>C.G. Wood</td>
<td>E.C. Painter</td>
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<td>1912</td>
<td>W.N. Lorentz</td>
<td>R.V. Cobb</td>
<td>Al-Ahmad, Hamid</td>
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<td>A.N. Erickson</td>
<td>C.B. Cross</td>
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<td>F.C. Smith</td>
<td>T.K. Wu</td>
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<td>W.J. King</td>
<td>K. Hoover</td>
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<td>H. Mitzen</td>
<td>D.W. White</td>
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<td>1919</td>
<td>C.C. Keckler</td>
<td>R.H. Collins</td>
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<td>1920</td>
<td>Yu Seng Tsen</td>
<td>A.R. Vankleeck</td>
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<td>H.W. Hess</td>
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<td>M.C. Reed</td>
<td>L.E. Parker</td>
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<td>V.R. Morris</td>
<td>J.K. Petry</td>
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<td>J.E. Thompson</td>
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<td>A.P. Acosta</td>
<td>W.C. Blackwood</td>
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<td>H.M. Davles</td>
<td>En Tsch Ming</td>
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<td>W.H. Miller</td>
<td>Tan Chin Wang</td>
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<td>H.L. Moon</td>
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<td>Tien I. Chen.</td>
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<td>F.C. Davis</td>
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<td>Chieh Ma</td>
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DECEASED CHEMICAL ENGINEERING ALUMNI
(Number in Parenthesis Indicates Number of Graduates that Year)

1902
1. Harvey Keating

1904
1. John Hoffhine

1906 (3)
1. Thomas Beer
2. Arno C. Fieldner

1907 (6)
1. Harry R. Drackett
2. Harry E. Surface
3. Dana J. Demorest
4. A.H. Flower
5. Arthur C. Hothstone, Jr.
6. Harry M. Williams

1909 (6)
1. Erwin Sohn
2. O.R. Sweeney
3. Sydney H. Katz
4. H.H. Watt

1910 (7)
1. Ernest H. Grant
2. William D. Lareaux
3. W.A. Richey
4. Lear H. Van Buskirk
5. P.S. Beebe

1911 (11)
1. Harry V. Atkinson
2. Sumner B. Frank
3. Roscoe C. Jones
4. Clarence B. King
5. C.J. Burkley
6. Albert W. Aaison
7. Howard Dock
8. Ralph E. Hall

1912 (11)
1. P.M. Giesey
2. E.S. Boerstler
3. F.J. Montgomery
4. C.E. Veit
5. W.O. Augustine
6. W.A. Richey
7. B.S. Eberstler
8. T.G. Roderick
9. E.J. Nealon
10. C.H. Huffman

1913 (12)
1. Henry N. Case
2. C.R. Parkinson
3. Albert N. Erickson
4. Reuben L. Walter
5. Howard E. Fritz
6. A.C. Perrin
7. James Brown
8. W.M. Davis
9. C.O. Ewing, Sr.
10. Virgil A. Moore
11. Karl Dunkel

1914 (19)
1. Emil H Balz
2. W.T. Burgoon
3. Paul Cottringer
4. A.A. Chambers
5. Roy D. Fritz
6. R.A. Gregg
7. E.G. Hines
8. R.S. Hull
9. L.S. Jenkins
10. P.R. Morris
11. A.A. Kohn
12. R.W. Shafor
13. A.R. Willis
14. Claud R. McNeil

1915 (20)
1. C.R. Bennett
2. W.M. Berger
3. R.P. Heikes
4. H.L. Dick
5. C.W. Simpson
6. J.W. Melich
7. J.O. Lord
8. G.D. Evans
9. A.R. Willis
10. Melvin DeGroote
11. F.C. Dunn
12. Kenneth Kersey
13. C.E. Reiss
14. J.E. Caskey

1916 (21)
1. M.A. Muskopf
2. H.A. Thirey
3. K.W. Reed
4. F.C. Vilbrandt
5. W.F. Brown
6. L.E. Smith
7. J.W. Young
8. H.S. Coith
9. E.H. Loeb

1917 (20)
1. C.E. Aungst
2. W.L. Krueger
3. W.A. Wirth
4. D.P. Alexander
5. F.L. Sinks
6. H.H. Thompson
7. Fred N. Schaad
8. H.D. Holler (Ph.D.)
9. W.I. Burt
10. C.R. Bennett
11. E.J. Witzemann

1918 (19)
1. G.A. Burrell
2. A.E. Hess
3. G.H. Hufford
4. Edwin W. Mann
5. H.A. Michell
6. J.M. Ort
7. A.H. Vibration
8. A.E. Galloway
9. J.H. Young
10. P. Horton
11. F.T. Andrews
12. S.L. Shenefield

1919 (8)
1. H.P. Anders
2. J.G. Ralston
3. H.W. Seyler
4. E.V. O'Roarke (Pet. E.)
5. Harold R. Nicklaus

1920 (31)
1. H.C. Howell
2. L.J. Mathies, Jr.
3. Roy Paster
4. Victor J. Roehm
5. H.T. Reiner-Ruff
6. C.L. Strait
7. J.M. Volzer
8. R.F. Hamilton
9. R.R. Kennedy
10. F.V. Doutt
11. H.E. Russel (Arch. Chem.)

1921 (29)
1. W.F. Spear
2. W.K. Gilkev
3. William Green
4. C.M. Evans
5. J.E. Wiss
6. Donald Brooks
DECEASED (continued)

7. R.P. Hollenback
8. H.F. Palmer
9. Herman Bankston
10. D.I. Mayne
12. W.A. Lotze
13. V.C. Campbell

1922 (33)
1. P.R. Hines
2. W.L. Klaiber
3. R.M. Kohr
4. R.E. Wolfe
5. R.E. Whinery
6. Wallace Wing
7. Ben Blumenthal
8. C.J. Beckert
9. C.A. Ritchie
10. Andrew Karsten
11. Marion Reed
12. H.G. Carroll

1923 (60)
1. R.T. Donham
2. A.G. Corwin
3. J.T. Goff
4. W.J. Harrison
5. G.R. Lyon
6. J.L. Roberts
7. J.L. Ware
8. E.N. Prinz
9. Stanley Newbrander
10. C.R. Blanchard
11. Y.L. Fun
12. H.E. Fritz
13. F.W. Volk
14. A.J. Hamilton

1924 (28)
1. C.M. Allen
2. R.S. Carter
3. C. Weis
4. G.W. Ruhl
5. Virgil Hutton
6. H.T. Ruff (Ph.D.)
7. F.J. Koehne

1925 (35)
1. Curtis Balding
2. L.E. Lutz
3. F.H. MacLaren
4. Adolph Valley
5. John Bowers
6. Chennan Shen
7. H.F. Palmer
8. S.M. Sun
9. A.E. Juve
10. A.M. Eyerman
11. F.E. Prior
12. G.W. Ruhl
13. R.H. Bancroft

1926 (14)
1. J.G. Cullinan
2. J.L. Thoma
3. Mao Han Tuan

1927 (19)
1. C.W. Hammett
2. D.S. Masters
3. E.F. Nussdorfer
4. C.R. Owens
5. L.E. Mong
6. C.E. Fareuff
7. W.B. Mitchener

1928 (19)
1. T.C. Chadwick
2. E.E. Martin
3. W.F. Brown
4. E.B. Carr

1929 (24)
1. T.P. Alton
2. Ming Tan Hsieh
3. W.J. Michel
4. E.B. Carr

1930 (34)
1. G.B. Malvea
2. K.M. Sprinkel
3. J.L. Arns
4. J.J. Hazel
5. H.C. Cronenberger
6. H.C. Cooper

1931 (43)
1. T.W. Elslager
2. Adolph Wasserteuerer
3. C.J. Black
4. E.B. Carr
5. H.C. Cooper

1932 (40)
1. C.F. Daum
2. D.M. Goodfriend
3. A.E. Galloway
4. E.C. Plotter
5. W.M. Davis

1933 (42)
1. F.E. Pickering
2. C.H. Albrecht
3. H.L. Sittler
4. T.C. Chadwick (Ph.D.)
5. E.W. Mann
6. Charles Sudman
7. Paul Patton

1934 (39)
1. G.K. Dumbauld
2. Lawrence Stout

1935 (66)
1. H.C. Gillogly
2. William Swisher
3. Lee Kleinmaier
4. W.Y. Walton
5. J.F. Simpson
6. Harry Conaway
7. R.J. Emmons

1936 (42)
1. R.L. Scroggs

1937 (53)
1. R.M. Abbott
2. C.O. Ewing, Jr.
3. L.W. Omwake
4. W.C. Shank
5. E.H. Osborne
6. James Braden
7. J.P. Mitchelson
8. F.A. Vinci

1938 (71)
1. D.J. Gaston
2. H.J. Orloksi
3. Alexander Newhouse
4. H.F. Palmer
5. R.D. Schafer
6. A.L. Taylor

1939 (69)
1. R.E. Scheiber
2. R.E. Hall
3. E.E. Kimmel, Jr.
4. Jack Gerster

1940 (73)
1. Carmen Adovasio
2. F.W. Beall
3. J.R. Linn
4. Robert Mills

1941 (71)
1. J.W. Russell
2. W.H. Williams

1942 (67)
1. V.E. Kelly
2. J.A. Yocum

1943 (90)
1. M.F. Dick
2. W.T. Harberson

1944 (28)
1. K.E. Kress

1945 (14)
1. F.L. Allen
2. C.J. Speitz, Jr.
3. Howard Wilkinson
4. J.B. Mitchelson
5. E.E. Bonnett (Pet. E.)
DECEASED (continued)

1947 (103)
1. Sidney Miller
2. M.G. Dick

1948 (147)
1. H.C. Clafin
2. Donald Dewey
3. D.F. Pickard
4. D.L. Wiggins
5. R.J. Wygal

1949 (132)
1. T.O. Feasel
2. J.W. Shook, Jr.

1950 (87)
1. R.C. Johnston
2. David Pickard

1951 (103)
1. Turney Fergusston
2. J.R. Seferian
3. D.C. Dewey
4. Karl W. Mezgar
5. H.C. Clafin

1952 (61)
1. C. Schlea

1953 (44)
1. Al-Kazimi, Abd Ali M.

1955 (57)
1. F.C. Ohmeiss
2. C.S. Schlea
3. G.L. Moll
4. William Kaiser

1960 (56)
1. Rolando E. Oosser
R. K. Lawson (1941) of M. W. Kellogg Co., presenting the M. W. Kellogg Design Award to J. Toussant

1924: J. Koffolt, C. Harman, G. Hull

Dr. R. E. Lynn in deep conversation with W. Krieger

Dr. E. Haering presenting first place award to J. Toussant in the Student Contest Paper competition held by the North Central Region Student Chapter Conference of the AIChE
D. Edwards presenting the AICHE Annual Chapter Scholarship Award to M. Kosakowski

Dr. J. Heibel, Visiting Assistant Professor

1934: C. Fisher

1919: W. Krieger
1929: J. Koffolt, B. Phillips, G. Zinzalian, J. Hoelscher, H. Greer

Dr. A. Syverson welcoming alumni in Room 207

Dr. E. Freeh presenting brief remarks concerning the Process Control Program being developed in the Department