

## CHAPTER HISTORIES

The source of all basic personnel records are the chapters. Unfortunately, the records of many of our chapters have not been accurately maintained, despite Greaves-Walker's admonition and pleadings. In the chapter histories which follow the most obvious record keeping problem appears in the many blanks shown in the list of chapter officers.

Regardless, the fourteen chapter histories included here are the result of outstanding efforts by hundreds of dedicated active members and faculty advisors during the period 1975-1978. These individual histories represent the building blocks of this publication.

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## THE FLORIDA CHAPTER\*

### THE UNIVERSITY OF FLORIDA at Gainesville

#### THE UNIVERSITY

The University of Florida is a combined state university and land-grant college. The first unit, the College of Arts and Sciences, was chartered and opened at Ocala in 1853. Similarly to other land-grant institutions, the benefits of the Morrill Act of 1862, the Hatch Act (1887) and the Smith-Lever Act (1914) engendered the establishment of the Colleges of Agriculture and Engineering, the Agricultural Experiment Station and the Extension Service.

By 1905 Florida had six state supported institutions of higher learning. The Legislature reduced these to two, one of which was the University. In 1906 the University was moved to Gainesville. Originally a mens' college it was made coeducational in 1947. The State University System of Florida has grown to be seventh in size in the Nation with more than 80,000 enrolled.

#### CERAMIC ENGINEERING

**Early Ceramic Activities.** On retiring from North State College in 1946, Dr. Arthur F. Greaves-Walker<sup>o</sup> joined the staff of the Engineering and Industrial Experimental Station (EIES) associated with the Chemical Engineering Department. His immediate objective was to establish a ceramics laboratory in the EIES to be used in evaluation of the mineral resources of Florida. More specifically, in October, 1946 he wrote "Practically no ceramic industries except a cement plant and my job is to develop them. I have already found clay deposits that should make brick and other structural products, glass and other industries will come later." Dr. Greaves-Walker continued his efforts with moderate success until 1953 when he again retired. He was succeeded by Dr. William C. Hackler<sup>o</sup> as Head of the Ceramic Section, EIES. Dr. Hackler resigned in 1956 to return to North Carolina State University. The ceramic activity continued for some time; however, Dr. Larry L. Hench<sup>o</sup> recently wrote that "Nothing of (Greaves-Walker's) program remained or of any successors, when I arrived in 1964 except a rusty jaw crusher, hammer mill and mix-muller."

**The Department of Materials Science and Engineering.** In 1959 Dr. Frederick N. Rhines came to the University to develop a metallurgical research laboratory in cooperation with the Department of Mechanical Engineering. Dr. Rhines' activities formed the basis in 1961 for a new Department of Metallurgical and Materials Engineering with Dr. Rhines as chairman. In 1972, it became the Department of Materials Science and Engineering. Dr. E. D. Vernick, Jr. became chairman in 1973. The Depart-

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\* Adapted from the History of the Keramos Chapter at Florida prepared by the Florida Chapter (1977).

ment presently has two divisions, Ceramic Engineering and Metallurgical Engineering.

**The Ceramic Engineering Division.** The present ceramic engineering program began with the appointment in 1964 of Dr. Larry L. Hench as Assistant Professor of Ceramic Engineering. When the Department was reorganized in 1972 he was appointed Professor and Head of the Ceramics Division. During this time the ceramic faculty has grown to five. Besides Dr. Hench there are Dr. George Y. Onoda, Jr., Dr. Ronald E. Loehman, Dr. D. B. Love and Dr. E. Dow Whitney. Current enrollment totals 30 graduate and undergraduate students.

Funding for a ceramics and solid mechanics laboratory building was obtained from the NDEA Title II Act of 1968. Construction was completed in 1969. The Ceramics Division occupies two floors.



Materials and Mechanics Laboratory Building. (Photo courtesy the University of Florida)

On September 21, 1971 the Division was granted a charter for the Student Branch of the American Ceramic Society. The presentation was made by Society President William J. Smothers<sup>o</sup>, a past president of Keramos. Also in 1971 full accreditation of the undergraduate program in ceramic engineering was granted by the Engineers' Council for Professional Development.

### KERAMOS

Under the leadership of Dr. Hench approval was obtained from the University authorities on June 10, 1975 for the establishment of a chapter of Keramos. A petition including bylaws for the proposed chapter was submitted to the Fraternity. Final approval was granted on May 6, 1976.

**Chapter Installation.** The installation ceremonies for the new chapter

were held in the University's Student Union Building on June 12, 1976. National President Merton L. Van Dreser<sup>o</sup> made the formal installation and presented the charter. A special team from the Georgia Chapter performed the initiation. The members of the team and the parts they took were Jacqueline LaBarre, president; James Britt, vice president; Lindsey Smith, secretary; Sam Fraser, treasurer; Wayne Ohlinger, herald, and, as the Georgia Chapter reported, "to add a little international flavor, the historian for the ceremony was Mr. Jean Gombert," a French graduate student and member of the Georgia Chapter. Faculty members accompanying the team were Dr. Joe K. Cochran, Chapter Advisor, and Dr. James. F. Benzel.

**Charter Members.** Those initiated at the time of the Chapter installation:

Paul J. Buscemi	Mark A. Janney
David E. Clark	Paul F. Johnson
Peter A. Curreri	Ronald E. Loehman
Morris F. Dilmore	George Y. Onoda, Jr.
Edwin C. Ethridge	Carlo G. Pantano, Jr.
David C. Greenspan	Lawrence J. Sykes
John M. Horn, Jr.	E. Dow Whitney

Other charter members with their respective previous chapter affiliation:

Larry L. Hench, Ohio Chapter  
 Gary L. Messing, New York Chapter  
 Rosalia Nastasi, New York Chapter  
 George C. Walther, Jr., Missouri Chapter

#### Chapter Officers:

	1976-77	1977-78
Pres.	Gary L. Messing	John M. Horn, Jr.
V. P.	Paul J. Buscemi	James H. Adair
Sec.	Larry J. Sykes	Anthony C. Azorin
Treas.	Peter A. Curreri	
Her.	John M. Horn, Jr.	Peter A. Curreri
Adv.	Larry L. Hench	Larry L. Hench

**Projects and Achievements.** Although in its infancy the Chapter has finished work on the Karl Schwartzwalder Reading Room in the Ceramics Building — a memorial to one of the pioneers of the ceramic industry. Among his many distinctions were his presidency of the American Ceramic Society and the National Institute of Ceramic Engineers. He was an alumni member of the Ohio Chapter of Keramos.

An ongoing project is the Annual Ceramic Glaze Design Competition which is open to all ceramic engineers and art students. The objective is to "integrate the artistic element and the technical aspects of the glaze from the two different disciplines into a high quality glaze."

**THE GEORGIA CHAPTER\***  
**GEORGIA INSTITUTE OF TECHNOLOGY**  
 at Atlanta

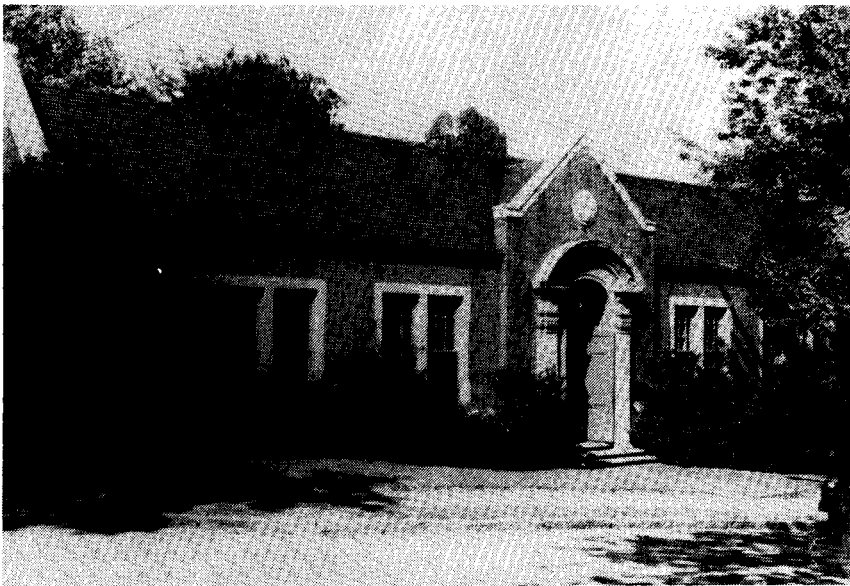
**THE INSTITUTE**

The Georgia Institute of Technology was chartered October 13, 1885 and opened in 1888 as the Georgia School of Technology. Effective July 1, 1948 the name was changed to that noted above. At the same time the departments were redesignated as schools. The institution is state supported, coeducational and a member school of the University of Georgia. Significant among its many fine facilities is the Rich Electronics Computer Center.

**CERAMIC ENGINEERING**

For years the Georgia ceramic manufacturers sought the establishment of a ceramic school within the State. Finally in 1923, largely through the efforts of Dr. Arthur V. Henry, the Georgia Legislature authorized and funded a Department of Ceramic Engineering. Major contributions of money and equipment were made by industry. Ground was broken on December 23, 1923. An attractive brick and terra cotta building of 5500 sq. ft. usable floor area was erected and equipped in time for the 1924 session.

Elaborate dedicatory services were held on November 15, 1924 with the principal address being made by Prof. Arthur S. Watts<sup>o</sup>, Chairman of the Ceramic Engineering Department of Ohio State University.



Old Ceramic Engineering Building, 1924-1965. (Photo courtesy Georgia Tech.)

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\* Based on the History of the Georgia Chapter prepared by the Chapter.

The ceramic engineering curriculum received its initial accreditation by the Engineers' Council for Professional Development in 1942.



Bunger-Henry Building. Ceramic Engineering home 1965-date. (Photo courtesy Georgia Tech.)

The Institute's expansion program of the 1950s and 1960s included the construction of the Bunger-Henry Building which houses the Schools of Chemical Engineering, Ceramic Engineering, Metallurgy and Geophysical Sciences. Completed in 1965 it was named in honor of Harold Allan Bunger and Arthur Van Henry, the first chairmen of the Chemical and Ceramic Engineering Departments, respectively. The move to these quarters enlarged greatly the available space and facilities.

**Ceramic Engineering Directorate.** The directors of ceramic engineering were:

- |   |           |
|---|-----------|
| Arthur V. Henry   | 1924-1934 |
| (CerE 1914, MS 1921, PhD 1925 Ohio St. U.; Hon. mbr. N.C. Chap. 1930)                     |           |
| W. Harry Vaughan  | 1934-1940 |
| (BSCerE 1923 Ga. Inst. Tech., MS 1925 Ohio St. U.; Hon. mbr. N.C. Chap. 1930)             |           |
| Lane Mitchell <sup>o</sup>  | 1940-1973 |
| (BSCerE 1929 Ga. Inst. Tech., MS 1931 U. of Ill., PhD 1941 Penn. St. U.; Mbr. Ill. Chap.) |           |
| Joseph L. Pentecost   | 1973-date |
| (BSCerE 1951 Ga. Inst. Tech., MS 1954, PhD 1956 Ohio St. U.; Chr. mbr. Ga. Chap. 1950)    |           |

## KERAMOS

**Preinstallation Activities.** Early in 1933 with Dr. Henry's consent a subchapter of Keramos was established. He was designated as the local representative of the Fraternity's Executive Council. There is no evidence that he ever used the mechanism of electing his outstanding students to nonresident active membership. Dr. Henry's successor, Dr. Mitchell, did thus, affording membership for eight of his students prior to the establishment of the Georgia Chapter. During this period the School had strong ties to Keramos through Dr. Mitchell's national offices, viz., Secretary (1940-43) when he resigned to accept a commission in the U.S. Navy, and Vice President (1948-50).

With the post-World War II increase in enrollment a chapter would have been viable; however no action was being taken. It has been reported by Dr. Joe K. Cochran, Jr. that "According to Dr. Mitchell, in (the fall of) 1949 the then National President of Keramos, Dr. A. I. Andrews,<sup>o</sup> visited the Georgia Tech campus believing that a Keramos Chapter existed at Georgia Tech. Upon Dr. Mitchell's learning of the impending visit a week ahead of time, Dr. Mitchell quickly organized a group of students and convinced Dr. Andrews that a strong effort was underway at Georgia Tech to form a chapter of Keramos."

Thus, the Georgia Tech Keramos Club was formed. Within a short time the principal administrative officers of the Institute granted approval of the Club. A petition for a charter was forwarded to the National Executive Committee. Approval of the chapter was completed in early spring of 1950.

**Chapter Installation.** A special team was formed to conduct the initiation ceremony which took place in the (Old) Ceramics Building on April 14, 1950. The team consisted of Grand (National) Vice President Lane Mitchell, Grand Herald A. F. Greaves-Walker, W. W. Krieger<sup>o</sup> and William C. Bell of N. C. State College and Charles F. Wysong, Georgia Tech faculty member. Dr. Mitchell made the formal installation and charter presentation.

**Charter Members.** Those charter members initiated at the installation ceremonies were:

James G. Breedlove	Manville J. Maysfield
William Brusse, Jr.	Kent B. Morris
Robert H. Dubler	Taylor E. Nance
Daniel W. Gates	Joseph L. Pentecost
Frank W. Green	James H. Riley
William C. Hansford	John O. Tinius
Cecil M. Jones II	Jesse D. Walton, Jr.
Donald M. Judd, Jr.	Leroy L. Williams, Jr.
Dale B. Lupton	David H. Young, Jr.

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\* It is highly probable that Dr. Andrews employed his visit as a ruse to activate Dr. Mitchell who had been procrastinating for about two years on taking action. It would have been in keeping with both of their respective personalities. W.W.K.

Georgia Tech graduates who had been elected previously as nonresident active members of the North Carolina Chapter were included in the list of charter members. They were:

Harry Gordon  
Paul B. Horton  
Allan B. Johnson  
Robert T. Lawrence  
Edwin T. Mitchell

Hayne Palmour III  
E. Eugene Scott  
Frederick L. Walker  
Charles F. Wysong

**Major Chapter Achievements.** The ebullient enthusiasm so characteristic of Georgia Tech students manifested itself early in the Chapter's history. A semiformal "big brother" relationship was established with the Ceramic Engineering Department of Clemson College. On April 12, 1952 the Georgia Chapter and the South Carolina Subchapter held a black-tie initiation and celebration at Tech. Six Georgia Chapter members initiated four Clemson (nonresident active) and four Tech (active) members.



Georgia-South Carolina Initiation of 1952. (Left to right) Top Row: Henry G. Lefort (Init. S.C.) Charles F. Wysong (Prof. Ga.), Kent B. Morris (Mbr. Ga.), Clifford McConnell (Init. Ga.), Paul R. Odom (Mbr. Ga.); Second Row: James H. Dukes (Init. Ga.), Clinton L. Blankenship (Mbr. Ga.), Karl Nelson (Init. S.C.), Frank W. McCallister (Mbr. Ga.), Ronald Barney (Init. Ga.), Philip J. Bebbington (Init. Ga.); Front Row: Roy E. Bickelhaupt (Mbr. Ill., Prof. Clemson), George J. Bishop (Init. S.C.), Richard G. Rion (Init. S.C.), Jerome J. Krochmal (Mbr. Ga.), Nick E. Poulos (Init. Ga.); John L. Ciprari (Mbr. Ga.), Lane Mitchell (Dir. CerE Ga. Tech.), Gilbert C. Robinson<sup>o</sup> (Mbr. N.C. Head CerE Clemson). (Photo courtesy of Georgia Tech.)

Again in 1956 the Chapter initiated eight Clemson students. Finally, on January 10, 1958 the Georgia Chapter under the guidance of Dr.

Mitchell, then Grand Herald, installed the South Carolina Chapter\* at Clemson University.

Interchapter relationships of this kind seemed to have become a Chapter tradition for on June 12, 1976 a special initiation team journeyed to the University of Florida at Gainesville and installed the Florida Chapter.\*\*

The chapter is proud to record here that it received the National Board of Director's Outstanding Chapter Award for the two fraternity years of 1974-75 and 1975-76.

**Honorary Members.** The following named distinguished leaders in the ceramic profession with the concurrence of the National Board of Directors were elected to honorary membership in the Chapter:

Robert K. Feeney, 1977  
 Thomas Mackrovitch, 1962  
 Leslie F. McConnell, 1953  
 Henry A. Oare, 1976  
 J. H. Varner, 1950

**Chapter Officers:**

	<i>Spr. 1950</i>	<i>1950-51</i>
Pres.	Leroy L. Williams	Paul C. Gaertner
V. P.		
Sec.	William Bruse, Jr.	
Treas.		
Her.		
Adv.	Lane Mitchell	Lane Mitchell

*No records available for the next six Fraternity years.*

	<i>1957-58</i>	<i>1958-59</i>
Pres.	Fred L. Carlsen, Jr.	
V. P.	William T. Teague	
Sec.	Thomas G. Kollie	
Treas.	James J. Hurst	
Her.	Leslie R. Hodges	
Adv.	Lane Mitchell	Lane Mitchell

	<i>1959-60</i>	<i>1960-61</i>
Pres.	Charles S. Giggins	Dorothy Vidosic
V. P.	Gary Hillman	In-Soo Chun
Sec.	Dorothy Vidosic	Charles S. Giggins
Treas.	James J. Hurst	James J. Hurst
Her.	Ray Venable	Clarence M. Head
Adv.	Lane Mitchell	Lane Mitchell

\* See the history of *The South Carolina Chapter* this volume.

\*\* See the history of *The Florida Chapter* this volume.

*1961-62*

Pres. Ricky Asamoto  
 V. P. Benjamin Fitts  
 Sec. James Powell  
 Treas. Charles S. Giggins  
 Her. In-Soo Chun  
 Adv. Charles J. Phillips

*1963-64*

Pres. Maximo Munoz  
 V. P. Frank Peacock  
 Sec. Tom Pecuil  
 Treas. Alan Koenig  
 Her. Richard Arnold  
 Adv. Lane Mitchell

*1965-66*

Pres. Joe K. Cochran, Jr.  
 V. P. Wilkens Smith  
 Sec. Vincent J. Margiotti  
 Treas. John Ceria  
 Her. Hadley Wellborn  
 Adv. Lane Mitchell

*1967-68*

Pres. Tony Garrett  
 V. P. Mike Watson  
 Sec. Glenn Weinkoop  
 Treas. John Corcia  
 Her. Bill Miller  
 Adv. Lane Mitchell

*1969-70*

Pres. Michael T. Johnson  
 V. P. Arthur Petty  
 Sec. Thomas A. Johnson  
 Treas. Glenn Weinkoop  
 Her. George K. Steinbach  
 Adv. Alan T. Chapman

*1971-72*

Pres. Bryant Bechtold  
 V. P. Jerry Graves  
 Sec. Andrew Lacher  
 Treas. Lawrence Jeffares  
 Her. James Stendera  
 Adv. Alan T. Chapman

*1962-63*

C. Joseph Mogab  
 William Matthes  
 D. Thomas Rankin  
 Ronald Staut  
 Howard Wichansky

*1964-65**1966-67*

Thomas H. B. Sanders  
 Lynwood B. Marling  
 Gary E. Beckstead  
 Vincent J. Margiotti  
 John Ceria  
 Lane Mitchell

*1968-69**1970-71*

Marshall Mayer  
 Jennifer Pepper  
 Gary Ricks  
 Jeffrey Graves  
 James Storey  
 Alan T. Chapman

*1972-73*

Richard Garrett  
 Andrew Lacher  
 Mark Janney  
 Robert Sanders  
 James Stendera  
 Joe K. Cochran, Jr.

*1973-74*

Pres. Barry Michael  
 V. P. David Durrell  
 Sec. Sam Fraser  
 Treas. James Bennett  
 Her. Robert Cord  
 Adv. Joe K. Cochran, Jr.

*1975-76*

Pres. Mike Watson  
 V. P. Vel Holaday  
 Sec. Jacqueline LaBarre  
 Treas. Barry Michael  
 Her. Wayne Ohlinger  
 Adv. Joe K. Cochran, Jr.

*1977-78*

Pres. Robert Kolarik  
 V. P. Orvil Ogden  
 Sec. Cynthia Neilson  
 Treas. Norman Hill  
 Her. Lindsay Smith  
 Adv. Joe K. Cochran, Jr.

*1974-75*

Joe K. Cochran, Jr.

*1976-77*

Jacqueline LaBarre  
 Robert Kolarik  
 Barry Michael  
 Norman Hill  
 Wayne Ohlinger  
 Joe K. Cochran, Jr.

## THE ILLINOIS CHAPTER\* THE UNIVERSITY OF ILLINOIS at Urbana

### THE UNIVERSITY

The Illinois Industrial University was chartered in 1867 and opened its doors on March 2, 1868. In 1885 the name was changed to the University of Illinois. The University is coeducational. It receives both state and federal support and is a land-grant institution. The University ranks tenth in enrollment of the nation's university systems. It also stands tenth among the world's libraries and houses over 5,000,000 volumes. The University pioneered vocational education.

The University of Illinois is located mainly at Urbana, Champaign and Chicago. The Chicago Circle unit was established in 1946. Rush Medical College, one of the nation's oldest and best known medical schools, was transferred to the University in 1941. Rush was chartered in 1837, and became affiliated with the University of Chicago in 1898 until the transfer in 1941.

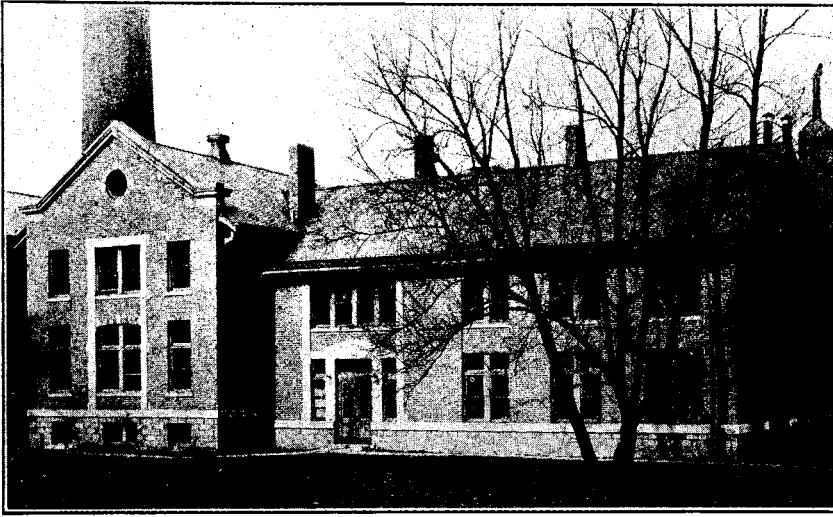
### CERAMIC ENGINEERING

The father of ceramic engineering education in Illinois was Charles W. Rolfe, Professor of Geology at the University. In the same year of 1894 that Edward Orton, Jr.<sup>o</sup> won the establishment of the Ceramic Engineering Department at Ohio State University, Rolfe "Conceived the idea of the establishment of a 'Laboratory of Economic Geology' at the University ...." He had specified in the draft of the proposed enabling act that this laboratory would sample, evaluate and demonstrate the usefulness of the nonmetallic minerals of the state. He was supported by the Illinois Clay Manufacturers' Association and others and gained the approval of the University President; however, the "time seemed inopportune." It was not until a new president of the University was installed that action was taken. Very strongly supported by the Association, the Legislature passed a bill in 1905 "which provided for a State Geological Survey and directed the University of Illinois to provide instruction in ceramic technology." Professor Rolfe was appointed director and Ross C. Purdy<sup>o</sup> was selected as the instructor.

The Department was housed initially in "two basement rooms" of the Natural History Building, a 20-foot square brick kiln house (known informally as Purdy Hall) and a two pole tent.

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\* Based on: History of Illinois Chapter of Keramos by W. E. Clemens, W. L. Streicher, M. A. Kelly and R. C. Buchanan (1976-77 Chapter Officers); History of Keramos (Alpha Chapter), unpublished typescript, 5 pp. 1977; G. K. Lowe (Chapter Herald 1932) History of Alpha of Keramos, unpublished typescript, 4 pp. 1932; C. W. Parmelee,<sup>o</sup> "History of Ceramic Education at the University of Illinois," J. Am. Ceram. Soc. 6 (1) 97-104 (1923).



Ceramics Building (old) - 1910 (Courtesy Am. Ceram. Soc.)

The Illinois Clay Manufacturers' Association issued a circular in 1909 stating that the department was obliged to use "a room or two in the basements of each of three buildings scattered over a distance equivalent to three city blocks." This situation was partially remedied in 1910 by the erection of a two story brick building located about one hundred feet from Purdy Hall. This was the building in which the meetings leading to the establishment of the "original" Keramos were held. A new kiln house was built and equipped in 1912. At the same time a project was initiated under the leadership of Ray T. Stull<sup>o</sup> to obtain a new ceramics building. This effort culminated in funds being granted by the Legislature for the erection (1915-16) of the present three story building located in front and adjacent to the 1912 kiln building.

Originally "Two courses of study were instituted, one contained a larger amount of cultural and pure science subjects, while the other had more engineering." In 1916 the Department was transferred from the College of Liberal Arts and Sciences to the Engineering College. This resulted in "the strengthening of the curriculum along engineering lines and the dropping of the more general course in Ceramics." In 1937 the program was one of the first six to be accredited by the Engineers' Council for Professional Development. The Department has continued to be a leader of professional education.

A two week "short course" was instituted in 1913 as a service to the personnel of the structural clay products industry. As the industry changed so did the services. As an example can be cited the very successful Shop Practices Forum of the Porcelain Enamel Institute begun in 1937 with A. I. Andrews<sup>o</sup> one of the founders. From the very beginning the depart-



Ceramics Building (Built 1915-16) and Kiln in Rear (Built 1912). (Courtesy Am. Ceram. Soc.)

ment leaders have demonstrated their belief in a program of service. Also, they have followed the spirit of Rolfe's original concept of pursuing a research-oriented program. Both have added greatly to the Department's prestige.

**Department Heads:**

Charles W. Rolfe, 1905-1910  
 Albert V. Bleininger, 1910-1912  
 Ray T. Stull, 1912-1915  
 Edward W. Washburn, 1916-1922  
 Cullen W. Parmelee, 1922-1942  
 Andrew I. Andrews, 1942-1963  
 Arthur L. Friedburg°, 1963-date\*

**Distinguished Faculty.** Throughout the years the Department leaders have successfully obtained the services of numerous outstanding scientists and engineers. They have given dedicated and often inspired service to the students, the professional, the state and the nation. Those that come quickly to mind: Alfred W. Allen, Robert J. Beals°, Dwight G. Bennett°, Ralph L. Cook, Ralph R. Danielson°, Ralph K. Hursh°, Thomas N. McVay, James A. Nelson°, Ross C. Purdy, George R. Shelton, Fay V. Tooley and Arthur E. Williams°. Effective augmentation has been achieved by the liberal use of short-term visiting professorships.

**Student Branch.** In passing it should be mentioned that the Ceramics Club was formed in 1907 and became the Student Branch of the American Ceramic Society in 1916. An amicable and supportive relationship has been maintained with Keramos since its formation in 1914-15.

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\* Appointed Executive Director, The American Ceramic Society effective January 1, 1979.

## KERAMOS

The Chapter's history from the founding in 1914-15 to the Merger in 1932 has received detailed treatment in the section, *Early History*.

**Projects.** In the course of the Chapter's long, more than 60-year history the members have carried through to satisfactory and satisfying conclusion numerous service projects. These have included such diversified activities as awards for scholarship, preparation and manning displays and exhibits, refurbishing the departmental library, promoting interest in ceramics and its study, and academic coaching.

**Honorary Members.** Honorary members, by definition, are distinguished leaders in the ceramics field. Those elected by this chapter are listed below. Prior to the 1932 merger with Beta Pi Kappa the election to honorary membership was the sole concern of the chapter. With the adoption of the 1932 constitution and bylaws the chapter elects but must obtain the concurrence of the majority of the national officers. Further, it appears that several of the earlier honorary members of the old "Alpha Chapter" have been lost from the Fraternity's consolidated tabulation of honorary members. Hopefully, this listing corrects earlier errors. Thus, the division into two parts, pre- and post-merger.

### *1915-1932*

Andrew I. Andrews, 1928  
 Arthur V. Bleininger, 1916  
 Enouch G. Bourne, 1925  
 George H. Brown, 1928  
 Paul E. Cox, 1931  
 George H. Duncombe, 1930  
 Emanuel A. Hertzell, 1930  
 Ralph K. Hursh, 1915  
 Thomas N. McVay, 1926  
 Cullen W. Parmelee, 1916  
 Ross C. Purdy, 1930  
 Ray T. Stull, 1915  
 Edward W. Washburn, 1916  
 Albert E. R. Westman, 1928

### *1932-date*

Arthur J. Blum, 1969  
 Frank W. Butterworth, 1941  
 George L. Clark, 1950  
 Wayne X. Fay, 1958  
 Hugo Filippi, 1958  
 Walter H. H. Granicher, 1961  
 Ralph E. Grim, 1948  
 Joseph H. Handwerk, 1964  
 James A. Nelson, 1949  
 Albert R. Lesear, 1959  
 James W. Newsome, 1963  
 Erwin F. Plumb, 1945  
 Hayden M. Setchel, 1962  
 Frank C. Steimke, 1960  
 B. T. Sweely, 1937  
 Charles R. Tootle, 1965  
 William E. S. Turner, 1947  
 Howard F. West, 1956

## Chapter Officers.

### *1914-15*

#### *1st Semester*

Pres.  
 V. P.  
 Sc.-Tr.  
 Sgt. Arm.

#### *2nd. Semester*

Idris A. Nelson°  
 Chester C. Treischel°  
 Fremont J. Hoehn  
 Lister A. Deaver

## 1915-16

Pres. John B. Lyon  
 V. P. Walter C. Millsom  
 Sc.-Tr. Fremont J. Hoehn  
 Sgt. Arm. Lister A. Deaver

Chester C. Treischel  
 Frank S. Hunt  
 Thomas S. Browning  
 Charles E. Bates

## 1916-17

Pres. Joseph W. Wright  
 V. P. James L. Crawford  
 Sc.-Tr. Charles E. Bates  
 Sgt. Arm.

George E. Sladek  
 Harold H. Sortwell  
 Gordon Klein  
 Andrew H. Charles, Jr.

## 1917-18

Pres. Gordon Klein  
 V. P. Ralph W. Hummeland  
 Sc.-Tr. Harry A. Huisken  
 Sgt. Arm. Benjamin F. Carter

Benjamin F. Carter  
 James W. Moncrieff  
 Arthur E. Polk

*1918-19 chapter inactive because of World War I.*

## 1919-20

Pres Inactive.  
 V. P. Reorganized  
 Sc.-Tr. Mar. 10, 1920.  
 Sgt. Arm.

Gordon Klein  
 Harry A. Huisken  
 Earl B. Baker  
 Andrew H. Charles, Jr.

## 1920-21

Pres. Albra H. Fessler<sup>o</sup>  
 V. P. Virgil K. Haldeman  
 Sc.-Tr. Howard C. Arnold  
 Sgt. Arm. John R. Green

## 1921-22

Virgil K. Haldeman  
 Harold G. Wolfram<sup>o</sup>  
 Russell E. Arnold  
 John R. Green

## 1922-23

Pres. Harold G. Wolfram  
 V. P. Samuel O. Neiswanger  
 Sc.-Tr. Paul F. Larson  
 Sgt. Arm.

## 1923-24

Fred S. Markert<sup>o</sup>  
 Sherman Q. Lee  
 Gray B. Tuthill  
 Glenn S. Smallwood

## 1924-25

Pres. Cullen E. Parmelee<sup>o</sup>  
 V. P. David H. Innes  
 Sc.-Tr. William P. Whitney  
 Sgt. Arm. Francis G. McNair

## 1925-26

Luther D. Fetterolf  
 Raymond W. Morgan  
 Richard G. Mills

## 1926-27

Pres. N. O. Alex Kleerup  
 V. P. William N. Noble  
 Sc.-Tr. Christian W. Planje  
 Sgt. Arm.

## 1927-28

Earl F. McDonald (elected  
 V. P. elevated to Pres.)  
 Rolland R. Roup

1928-29		1929-30	
Pres.	Dwight G. Bennett		Robert M. Hainsfurther
V. P.	(F) Eugene C. Clemens		August G. Lindberg, Jr.
V. P.	(S) August G. Lindberg, Jr.		Carl H. Rapp
Sc.-Tr.	Carl H. Zwermann, Jr.		Charles C. Westall
Gen Sec.			Horace W. Alexander
1930-31		1931-32	
Pres.	Kenneth C. Lyon		Robert W. Slaughter
V. P.	Raymond C. Conover		William Horak
Sc.-Tr.	William J. Plankenhorn		Gene L. Burton*
Sec.	Gene L. Bruton		
Treas.			Howard B. Burton**
Her.			George K. Lowe**
Adv.	Ralph K. Hursh		Andrew I. Andrews**
Official delegates to the merger convocation:			Prof. Cullen W. Parmelee
			Richard G. Mills
1932-33		1933-34	
Pres.	Robert J. Whitesell		William P. Ward
V. P.	Ralph E. Bevis		Jack C. Bell
Sec.	Robert G. Russell		Wendell P. Keith
Treas.	Frederick R. Matson, Jr.		Joseph A. Pask
Her.	William B. Silverman		Robert P. Stevens
Adv.	Ralph K. Hursh		Ralph K. Hursh
1934-35		1935-36	
Pres.	(F) R. Russell Sherrill		Jack C. Bell
Pres.	(S) R. Russell Sherrill		William C. Pittman
V. P.	(F) Jack C. Bell		William C. Pittman
V. P.	(S) Jack C. Bell		Lowell A. Spires
Sc.-Tr.	William W. Coffeen		Norman Schoeppel
Her.			Charles B. Clark
Adv.	Ralph K. Hursh		Ralph K. Hursh
1936-37		1937-38	
Pres.	Norman Schoeppel		John G. Moore
V. P.	Walter M. Turner		John E. Friess
Sc.-Tr.	LaVerne G. Ekholm		Charles E. Wright
Her.	Portus M. Wheeler, Jr.		John K. Hester
1938-39			
1st Semester		2nd Semester	
Pres.	Paul M. Corbett		Paul M. Corbett
V. P.	G. J. Cahoon		G. J. Cahoon
Sc.-Tr.	Morris P. Hall		George B. Eyerly
Her.	Howard R. Swift		Howard R. Swift

\* Before the merger with B II K

\*\* After the merger

## 1939-40

*1st Semester*  
 Pres. Howard R. Swift  
 V. P. George B. Eyerly  
 Sc.-Tr. Donald O. McCreight  
 Her. John J. Webber

*2nd Semester*  
 Axel C. Ottman  
 Justin R. Boeker  
 Frank S. Klane  
 Lawrence E. Putney

## 1940-41

*1st Semester*  
 Pres. Robert R. Rough  
 V. P. Raymond C. Bertram  
 Sc.-Tr. Edward R. Buchholtz  
 Her. Terry F. Newkirk

*2nd Semester*  
 Robert F. Kimpel  
 William D. Fitzpatrick  
 Raymond A. Devorkin  
 William Zschoche

## 1941-42

*1st Semester*  
 Pres. Raymond A. Devorkin  
 V. P. Bert P. Buehler  
 Sc.-Tr. Richard S. Rowe  
 Her. Mitchell M. Miller

*2nd Semester*  
 Richard S. Rowe  
 Mitchell M. Miller  
 Earl R. Smith  
 Vaughn F. Seitzinger

## 1942-43

Pres. Earl R. Smith  
 V. P. Vaughn F. Seitzinger  
 Sc.-Tr. Charles L. Turner  
 Her. Francis M. Wright  
 Class Sec.

*1943-44*  
 William J. Prentice, Jr.  
 Morris Klimboff  
 Haraldur Asgeirsson  
 Edward Murphy  
 Francis P. Shonkwiler

## 1944-45

*1st Semester*  
 Pres. Haraldur Asgeirsson  
 V. P. Charles D. Bachman  
 Sc.-Tr. James H. Healy  
 Her. Donald W. Hamer

*2nd Semester*  
 Haraldur Asgeirsson  
 Gordon H. Johnson  
 R. L. Collins  
 Donald W. Hamer

## 1945-46

Pres. William A. Graff  
 V. P. James D. Griffith  
 Sc.-Tr. (F) Joseph C. Kyonka  
 Sc.-Tr. (S) Jack D. Peterson  
 Her. Donald C. Shell

*1946-47*  
 James F. Lockridge  
 James F. Essenpries  
 Eugene F. Peterson  
 Eugene F. Peterson  
 Edward A. Miller

## 1947-48

Pres. James F. Essenpries  
 V. P. Harold G. Sowman  
 Sec. James E. Young  
 Treas. C. Rogers Westlake  
 Her. Roger L. Fellows, III  
 Adv.

*1948-49*  
 Roger L. Fellows, III  
 Richard N. Ames  
 Donald D. Rassner  
 Ralph G. Kraft  
 Chun Lee  
 Ralph K. Hursh

*1949-50*

Pres. (F) Howard C. Rapp  
 Pres. (S) Dudley B. Johnson  
 V. P. Clifton G. Bergeron  
 Sec. Robert H. Herron  
 Treas. Donald P. Crosby  
 Her. James T. Shapland  
 Adv. Ralph K. Hursh

*1951-52*

*1st Semester*

Pres. Donald B. Tolly  
 V. P. Basil Ohnysty  
 Sec. Morris L. Woodridge  
 Treas. William R. Soderstrum  
 Her. Louis H. Fadanelli  
 Adv. Ralph K. Hursh

*1952-53*

Pres. Robert C. Mertens  
 V. P. Richard Anderson  
 Sec. Peter Shalek  
 Treas. Victor Tennery  
 Her.  
 Adv. Ralph K. Hursh

*1954-55*

Pres. James Glasford  
 V. P. Harry Carpenter  
 Sec. J. Jesse Rostenthal  
 Treas. J. Jesse Rostenthal  
 Adv. James A. Nelson

*1956-57*

Pres. Donald J. Romine  
 V. P. Raymond R. Redchetz  
 Sec. D. R. Beebe  
 Treas. David J. Kessel  
 Her. Ernest E. Karner  
 Adv. James A. Nelson

*1958-59*

Pres. Charles A. Hall  
 V. P. David Wirth  
 Sec. Lawrence L. Fehrenbacher  
 Treas. John F. Krumwied  
 Her. Robert J. Baker,  
 Adv. James A. Nelson

*1950-51*

Edwin W. Schvetze  
 Edwin W. Schvetze  
 George E. Brinkerhoff  
 Donald E. Kraft  
 Robert H. Rosendale  
 Basil Ohnysty  
 Ralph K. Hursh

*2nd Semester*

Donald B. Tolly  
 Donald E. Kraft  
 John Schultz  
 William R. Soderstrum  
 John D. Sitzler  
 Ralph K. Hursh

*1953-54*

Robert Cowan  
 Peter Shalek  
 Victor Tennery  
 Victor Tennery

Ralph K. Hursh

*1955-56*

John M. Kerr  
 Gordon E. Fales  
 Keith K. Kappmeyer  
 David J. Kessel  
 James A. Nelson

*1957-58*

D. R. Baker  
 Raymond G. Capek  
 Charles A. Hall  
 R. Dean Sanner  
 G. A. Bowman  
 James A. Nelson

*1959-60*

David W. Carter  
 James C. Blome  
 Leone P. Murphy  
 James A. Laird  
 Jr. Howard W. Hill  
 James A. Nelson

*1960-61*

Pres. Lawrence L. Fehrenbacher  
 V. P. William G. Long  
 Sec. Howard W. Hill  
 Treas. William J. Muhlstadt  
 Her. George A. Pecoraro  
 Adv. James A. Nelson

*1962-63*

Pres. Clifford G. Ruderer  
 V. P. William H. Payne  
 Sec. Robert A. Verneti  
 Treas. Ralph E. Rose  
 Her. James L. Moore  
 Adv. James A. Nelson

*1964-65*

Pres. Thomas L. Francis  
 V. P. Raymond W. Gibbs  
 Sec. John P. D. DeLuca  
 Treas. Philip E. Bohaboy  
 Her. Charles Dickinson  
 Adv. James A. Nelson

*1966-67*

Pres. Dennis L. Mool  
 V. P. Leonard B. Sis  
 Sec. Gayle Snively  
 Treas. Robert G. Block  
 Her. Thomas G. Carlson  
 Adv. James A. Nelson

*1968-69*

Pres. Dennis A. Rott  
 V. P. James R. Stevenson  
 Sec. James L. Drummond  
 Treas. Donald S. Walters  
 Her. Robert A. Rita  
 Adv. James A. Nelson

*1970-71*

Pres. Carl L. Eggerding  
 V. P. Reginald L. Tygret  
 Sec. Jerry W. Brockmeyer  
 Treas. Bruce C. Chrisman  
 Her. Robert M. Jecmen  
 Adv. James A. Nelson

*1961-62*

William J. Muhlstadt  
 George A. Pecotaro  
 Clifford G. Ruderer  
 Jerry A. Mosbarger  
 Dariush Shadman  
 James A. Nelson

*1963-64*

James A. Sowman  
 Douglas Laber  
 George E. Krimmel  
 Robert G. Palm  
 Richard J. Barry  
 James A. Nelson

*1965-66*

Richard E. Novak  
 Chester T. Henson  
 Kenneth A. Anderson  
 Dennis L. Mool  
 Philip E. Bohaboy  
 James A. Nelson

*1967-68*

Jerome J. Nalywajko  
 James T. Frakes  
 James R. Stevenson  
 Jeffery W. Meacham  
 Dennis A. Rott  
 James A. Nelson

*1969-70*

James R. Stevenson  
 Richard L. Wessel  
 John F. Conour  
 Donald S. Walters  
 Carl L. Eggerding  
 James A. Nelson

*1971-72*

Gene A. Perschnick  
 Kevin D. Schaal  
 James L. Hood  
 Mark A. Schnake  
 Paul A. Kerstein  
 James A. Nelson

## 1972-73

Pres. Frank D. Gac  
 V. P. Paul A. Kerstein  
 Sec. Brian T. Miller  
 Treas. Harold H. Motensen  
 Her. Carolyn M. Kinney  
 Adv. James A. Nelson

## 1974-75

Pres. Jeffrey M. Shock  
 V. P. Lindell L. Wenthe  
 Sec. Steven R. Schenck  
 Treas. Gregory P. Sullivan  
 Her. Sue J. Mitchell  
 Adv. Relva C. Buchanan

## 1976-77

Pres. Williams E. Clemens  
 V. P. Karl A. Kotecki  
 Sec. Dee A. Lester  
 Treas. William L. Streicher  
 Her. Mark A. Kelly  
 Adv. Relva C. Buchanan

## 1973-74

Michael J. Tehan  
 Larry E. Taylor  
 Fred J. Lebensorger  
 Jeffrey L. Smith  
 Donald C. Schell  
 James A. Nelson

## 1975-76

Eugene H. Niemerg  
 George E. Graddy, Jr.  
 Deborah J. Mondy  
 Cynthia C. Francis  
 Larry E. Schulz  
 Relva C. Buchanan

## 1977-78

Ellen Pabst Pfafflin  
 Robert S. Boerckel  
 Reid Lowell  
 Steven Cherry  
 Randall Niemerg  
 Relva C. Buchanan

**THE IOWA CHAPTER\***  
**IOWA STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY**  
 at Ames

**THE UNIVERSITY**

Iowa Agricultural College was established by the act of the Seventh General Assembly of the Iowa Legislature on March 22, 1858. It was approved by President Abraham Lincoln on July 2, 1862 as part of the Morrill Land-Grant College Act. Subsequently the College became a continuing beneficiary of the Hatch Act (1887) and the Smith-Lever Act (1914).

The first building was erected in 1860 and the College officially opened October, 1868 with an enrollment of sixty-seven. In 1896 the institution was given the name, Iowa State College of Agriculture and Mechanic Arts. Since 1959 the name has been the Iowa State University of Science and Technology.

The University is one of the nation's larger dynamic agricultural and engineering institutions. The faculty and staff engage in extensive research in the life and physical sciences as well as application to current problems. The main campus and recreational areas occupy 845 acres with an additional 3,000 acres of farms. Of general interest is the 110-foot campanile which houses the Stanton Memorial Carillon of 50 bells.

**CERAMIC ENGINEERING**

**Establishment.** Professor Paul E. Cox reported in a 1923 article that ceramic engineering instruction was listed for the first time in the college's 1899-1900 catalog. It is probable that this listing was in response to an 1899 resolution of the Iowa Brick and Tile Association requesting the establishment of ceramic training. The instruction was to have been given by Samuel W. Beyer and Ira A. Williams, both of the mining engineering group of the geology department. Apparently no students enrolled in the proposed two year course. Possibly the reason for no enrollment was explained by a 1904 statement by Professor Edward Orton, Jr. to the effect that a fire seriously crippled the institution's resources and nothing came of this first offering.

In each of the succeeding years the Brick and Tile Association renewed its request. In 1906 the Iowa Cement Users' Association joined the effort resulting in a mandatory act by the 1907 Iowa Legislature. The act provided for the establishment of ceramic instruction and mandated the pursuit of research of value to the ceramic industries, the latter within the Engineering Experiment Station. Before and during those years leading to the act, Beyer, Williams and others had been carrying on a ceramic minerals development program.

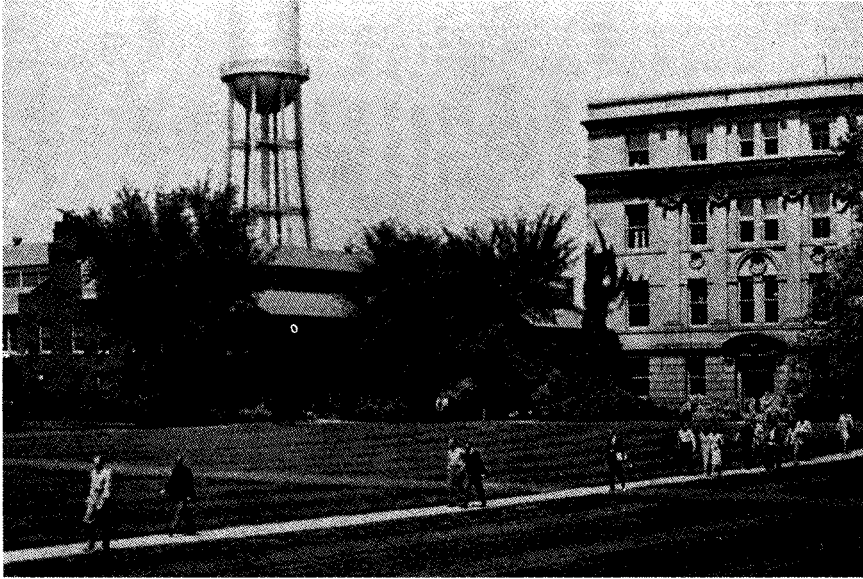
**Development.** Initially the instructional program consisted of a two-year and a four-year course within the Mining Engineering Depart-

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\* Based on *The History of Keramos, Iowa Chapter prepared by the Iowa Chapter (1977).*

ment. The four-year curriculum was intended to lead to a Bachelor of Mining Engineering in Ceramics degree. The program was placed under the direct operation of Beyer and Williams. The instruction they offered was patterned after Professor Orton's short course at Ohio State University.

It has been reported that laboratory exercises were sketchy. The first building made available in 1908 was "an old pump house about 20 ft. sq...." "Early classes spent most of their time trying to make a laboratory out of that building." In 1910-1911 the ceramics building, a part of the Engineering Annex Building, was erected.



Engineering Annex Building (1910-11) on left. (Courtesy the Iowa Chapter)

The ceramic activity became a separate department in 1913 and in 1918 the name was changed to the Ceramic Engineering Department. The advent of World War I had a devastating effect on the small department. Not only were there very few students but more important was the rapid turnover of the staff. It was at the end of this period that Paul E. Cox brought stability to the program.

It should be noted that the small faculty had always had more members educated as geologists than as engineers. Beginning in 1915, work in modeled pottery had been given to the home economics students. Though a special arts instructor taught this subject, the number of these students far overshadowed the engineering majors. For example, Cox reported in 1923 that "there have been from 10 to 14 students entered for the four-year course the past three years, and there have been as many as 60 students per quarter from other departments for work in modeled pottery. There has never been fewer than 20 enrolled for this popular course." It would seem that under these circumstances, coupled with the

propensity of administrators to justify administrative decisions on the basis of enrollments, there would be a gradual shift of program emphasis away from engineering. This seems to have been the case.

On the resignation of Dr. Cox, Professor Charles M. Dodd°, with a very strong professional engineering orientation, became department head in 1939. Surprisingly, the program was accredited by the Engineers' Council for Professional Development the following year. It has been maintained without a break.

The Departments of Ceramic Engineering and Metallurgy were merged in 1975 to form the Department of Materials Science and Engineering. Dr. David R. Wilder, Head of the Ceramic Engineering Department (1961-75), continued on as head of the new department.

#### **Department Heads.**

Samuel W. Beyer, 1914-1919

Homer F. Staley, 1919-1922

Paul E. Cox, 1922-1939

Charles M. Dodd, 1939-1961

David R. Wilder, 1961-date

**Distinguished Faculty.** There have been many well known ceramic personalities who have served on the faculty, past and present. A partial list would include;

Maynard P. Baueleke

Harry J. Beckemeyer°

Milton F. Beecher

Willard E. Hauth

Orville Hunter, Jr.

Andrew L. Johnson

David M. Martin

Thomas D. McGee°

Donald A. Moulton

Amos E. Potts

O. J. Whittemore, Sr.

### **KERAMOS**

**Beta Pi Kappa Negotiations.\*** The newly established Chapter of Beta Pi Kappa at North Carolina State College in November, 1925 extended an invitation to the ceramic engineering students of Iowa State College to join in forming a national fraternity. Some months later a response was received requesting information about B Π K and how to proceed. Two weeks later a request was received to install a chapter at Iowa State. (The N. C. Chapter had advised the Iowa group to select five members to be initiated by proxy.) It was learned in January (1927) that the Iowa State group was not "organized" but had made "application to the Deans' Council for a Charter to organize" and action by the Council "was all that was holding up the final initiation...." Nothing further was heard from Iowa.

After the nationalization of B Π K in February, 1928 installation of further chapters would have been a function of the national officers. Unfortunately in the very few surviving records of that short-lived or-

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\* Based on the North Carolina Chapter of B Π K minutes.

ganization nothing on the subject was found.

**Subchapter of Keramos.** The Executive Council established a subchapter in 1933 with Professor Cox as Council representative. When in 1939 Professor Dodd became department head he accepted this assignment. (Dodd was in the middle of his third term as Grand Secretary of the Fraternity.)

**Petition for a Chapter of Keramos.** Professor Dodd and Lloyd Wells, President of the Student Branch of the American Ceramic Society, invited certain ceramic engineering upper-classmen, selected on the basis of scholarship and character, to attend a meeting on October 16, 1940. The purpose of the meeting was to discuss the formation of an organization to recognize the attainment of meritorious scholarship, high character, leadership and service in students of ceramic engineering. At the meeting it was decided to form a local professional ceramic engineering society to be known as the Iowa State Professional Ceramic Engineering Society with the ultimate objective of petitioning Keramos for a charter. The petition was filed on February 25, 1941.

**Chapter Installation.** The Iowa Chapter of Keramos was installed on November 15, 1941 at the Memorial Union on the Iowa State campus. The installing officers were:

Robert F. Sherwood,<sup>o</sup> Grand President

Lane Mitchell, Grand Secretary

A. F. Greaves-Walker, Past Grand President

Charles M. Dodd, Past Grand Secretary

Paul G. Herold,<sup>o</sup> Head Dept. Ceramic Engr., Missouri School of Mines.

Following the installation, a gala banquet was held in the New Dining Room, Memorial Union.

**Charter Members.** Charter members consisted of two groups, those who were the original petitioners:

Martin Baker

Wayne F. Calderwood

Russell L. Mathern

Edgar G. Nodurft

Murner E. Thor

Lawrence H. Van Vlack

Lloyd L. Wells, Jr.

Carl J. West, Jr.

and those voted into the Society before the installation:

Harry J. Beckemeyer

A. Richard Boerner

William A. Faust.

**Activities.** Each year the students in Keramos prepare a display for Veishea, the student-run open house at Iowa State. Also each year the Keramos pledges cast and fire Keramos plaques glazed in cobalt blue and gold. The Chapter has twice won the outstanding Chapter Award in 1970-71 and 1973-74.

**National Officers.** Though a small chapter, it has been in the forefront of service to the Fraternity particularly in contributing national officers. A review of past national presidents shows no less than four; viz. Charles

M. Dodd (1942-48), Harry J. Beckemeyer (1954-56), Thomas D. McGee (1974) and Merton L. Van Dreser (1976-78). Three may be seen in the photograph below.



Iowa Chapter Members, Spring 1950. (Left to right) Front row: John A. Leland, Robert E. VanderHarr, Charles M. Dodd, George A. Martin, Roger E. Stoen. Second row: Paul E. Turbett, David R. Wilder, John P. Finley, George V. Glowacki. Third row: Donald J. Biegler, Merton L. Van Dreser, G. Sherwood Smith, Wilsie U. Webb, Laverne F. McCallister. Fourth row: Harry J. Beckemeyer, Norman D. Reed, Louis A. VanHouten, James L. Dolph, Clifton E. Wood, Willard E. Hauth, Jr. (Courtesy Am. Ceram. Soc.)

**Honorary Members.** The following named distinguished members of the ceramic profession have been named as honorary members of the chapter:

Wayne E. Barrett, 1972  
Milton F. Beecher, 1943  
Robert C. Boyd, 1948  
Richard J. Galvin, 1975  
Murray C. Gautsch, 1970

L. C. Hewitt, 1942  
Heinrich Ries, 1947  
George R. Towne, 1971  
O. J. Whittemore (Sr.), 1950

#### Chapter Officers.

1941-42

Pres. Lawrence H. Van Vlack  
V. P. Russell L. Mathern  
Sec. F. Wayne Calderwood  
Treas. A. Richard Boerner  
Her. William A. Faust  
Adv. Charles M. Dodd

1942-46

During this period the Chapter was dormant due to World War II. Partially reactivated Spring, 1946.

*1946-47*

Pres.  
V. P.  
Sec. LeRoy Gobis  
Her.  
Adv. Charles M. Dodd

*1948-49*

Pres. Wilford M. Somers  
V. P. Irvin K. Holdener  
Sec. Carol L. Seversike  
Treas. Lucas E. Pfeiffenburger  
Her. Harvey W. Wright  
Adv. Charles M. Dodd

*1950-51*

Pres. Robert E. VanderHarr  
V. P.  
Sec. Merton L. Van Dreser  
Treas.  
Her.  
Adv. Charles M. Dodd

*1952-53*

Pres. Michael S. Crowley  
V. P. Harry M. King  
Sec. John E. Fenstermacher  
Treas. Monte W. Bannister  
Her. Wayne G. Basler  
Adv. A. Philip Welch

*1954-55*

Pres. Thomas L. Larson  
V. P. Albert L. Gugeler  
Sec. Morris E. Van Vooren  
Treas. Donald G. Stroh  
Her. Gerald N. Rieper  
Adv. A. Philip Welch

*1956-57*

Pres. Keith N. Johnson  
V. P. C. Denton Wirkus  
Sec. Ronald H. Moore  
Treas. James F. Watson  
Her. John Doornwaard  
Adv. David R. Wilder

*1947-48*

Charles V. McClune  
LeRoy Gobis  
Clifford Paltzer  
Lee Kleeman  
Charles M. Dodd

*1949-50*

George A. Martin  
Robert E. VanderHarr  
Roger C. Stoen  
John A. Leland  
John P. Finley  
Charles M. Dodd

*1951-52*

(F) Robert E. VanderHarr  
(S) Thomas L. Freund  
Richard F. Sperring

Charles M. Dodd

*1953-54*

Jerry Carroll  
Irvin G. Goodman

Thomas L. Larson

A. Philip Welch

*1955-56*

Gerald N. Rieper  
Morris E. Van Vooren  
Donald G. Stroh  
Harry Oakley  
John Doornwaard  
A. Philip Welch

*1957-58*

Ronald H. Moore  
Gordon Mork  
Sara Jane Boles  
Cecil Jacobs  
Keith N. Johnson  
David R. Wilder

*1958-59*

Pres. James Thompson  
 V. P. Theodore Vojnovich  
 Sec. Gerald A. Fehr  
 Treas. Michael F. Berard  
 Her. Gean Clapper  
 Adv. David R. Wilder

*1960-61*

Pres. Stanley Long  
 V. P. Mickey O. Marlowe  
 Sec. Robert Heddons  
 Treas. Peter C. Held  
 Her. Kenneth Sump  
 Adv. David R. Wilder

*1962-63*

Pres. Donald Rowenhorst  
 V. P. John Archer  
 Sec. Laurence W. Smiser  
 Treas. J. Keith Johnstone  
 Her. Mickey O. Marlowe  
 Adv. Thomas D. McGee

*1964-65*

Pres. William E. Martinsen  
 V. P. Danzil W. Stacey  
 Sec. Jon D. Schieltz  
 Treas. James N. Lingscheit  
 Her. Gary Ramsey  
 Adv. Thomas D. McGee

*1966-67*

Pres. Thomas M. Branscomb  
 V. P. Stephen L. Bauer  
 Sec. William E. Martinsen  
 Treas. Danzil W. Stacey  
 Her. J. Keith Johnstone  
 Adv. Thomas D. McGee

*1968-69*

Pres. James N. Lingscheit  
 V. P. John A. Greedy  
 Sec. David E. Rasmussen  
 Treas. Halsey B. Stevenson III  
 Her. William E. Martinsen  
 Adv. Thomas D. McGee

*1959-60*

Gerald A. Ross  
 Peter C. Held  
 Michael F. Berard  
 W. Raymond McMahon  
 Stanley Long  
 David R. Wilder

*1961-62*

Mickey O. Marlowe  
 Jerrold P. Thompson  
 Michael A. Carrell  
 Peter C. Held  
 Donald Rowenhorst  
 Thomas D. McGee

*1963-64*

Gerald A. Fehr  
 J. Keith Johnstone  
 Laurence W. Smiser  
 William E. Martinsen  
 Vernon L. Jensen  
 Thomas D. McGee

*1965-66*

Jon D. Schieltz  
 Stephen C. Dorr  
 Danzil W. Stacey  
 William E. Martinsen  
 Norman E. Brinker  
 Thomas D. McGee

*1967-68*

Robert Heithoff  
 James N. Lingscheit  
 Charles Fay, III  
 Richard Wagner  
 William E. Martinsen  
 Thomas D. McGee

*1969-70*

David E. Rasmussen  
 Thomas Harvester  
 David M. Riser  
 Wendell Brown  
 Nicholas Cassens, Jr.  
 Thomas D. McGee

*1970-71*

Pres. Ralph W. Scheidecker  
 V. P. Steve Masters  
 Sec. Thomas W. Greedy  
 Treas. Eldon Rohlena  
 Her. Allan R. Holtz  
 Adv. Thomas D. McGee

*1972-73*

Pres. Gene R. Saienga  
 V. P. William Rauschert  
 Sec. Gail W. Jordan  
 Treas. Denny Aeschliman  
 Her. Mark W. Pollock  
 Adv. Thomas D. McGee

*1974-75*

Pres. William E. Wolf  
 V. P. Harold D. Schlesselman  
 Sec. Lyle D. Gibson  
 Treas. Zeke C. Seedorf  
 Her. Steven Jansen  
 Adv. David M. Martin

*1976-77*

Pres. Glenn W. Ledder  
 V. P. Joel M. Moe  
 Sec. Timothy Hackett  
 Treas. Carole J. Wooge  
 Her. Douglas J. McDowell  
 Adv. David M. Martin

*1971-72*

Thomas L. Tompkins  
 Allan R. Holtz  
 Thomas W. Greedy  
 Gene R. Salenga  
 Ralph W. Scheidecker  
 Thomas D. McGee

*1973-74*

William Rauschert  
 Harold D. Schlesselman  
 Denny Aeschliman  
 Robert G. Visser  
 William E. Wolf  
 David M. Martin

*1975-76*

Jay D. Johnson  
 Carole J. Wooge  
 Glenn W. Ledder  
 David L. Johnson  
 Lyle D. Gibson  
 David M. Martin

*1977-78*

Donald J. Bray  
 James A. Weirick  
 David Voss  
 Joel A. Stein  
 John Nish  
 David M. Martin

**MISSOURI CHAPTER\***  
**UNIVERSITY OF MISSOURI - ROLLA**  
 at Rolla

**THE UNIVERSITY OF MISSOURI**

The University of Missouri - Rolla, formerly the Missouri Schools of Mines, is a part of the (greater) University of Missouri. The latter's main campus is located in Columbia. Other subsidiary units besides that at Rolla are located in Kansas City and St. Louis.

The University is a land-grant and state supported, coeducational institution. It was chartered in 1839, opened in 1841. It is the oldest state university west of the Mississippi River. Its journalism school was the first in the world (1908). The library ranks 30th in size of the nation's university libraries and contains nearly two million volumes.

**The University of Missouri - Rolla.** Under its original name, the Missouri School of Mines was chartered in 1870 and formally opened on November 23, 1871. In 1964 the name was changed to the University of Missouri - Rolla. It consists of the School of Engineering, the School of Mines and Metallurgy and the College of Arts and Sciences.

**CERAMIC ENGINEERING**

**Establishment.** Representatives of the Missouri Refractories Association and the Missouri Clay Association met in Rolla on December 1, 1925 for the purpose of requesting the School of Mines and Metallurgy to establish a chair of ceramic engineering. It was pointed out that Missouri ranked high among the states in ceramic products. Unfortunately the industry was having to go outside of the state for trained engineers and more unfortunately Missouri young men desiring to study ceramic engineering were having to go to other states. Also, research problems relating to Missouri clays were being neglected. By year's end, the authorities announced that a ceramic "school" would open in the fall of 1926. Dr. Major E. Holmes<sup>o</sup> was selected to head the new Department of Ceramic Engineering. During the summer of 1927, Charles M. Dodd was added to the faculty resulting in a staff of two full time and one half time instructors. The enrollment for this second year was 28.

The Missouri Clay Testing and Research Laboratory, the research arm of the ceramic activity, began operation during the fall of 1927. This unit was also under the direction of Dr. Holmes and three staff members, a chemist, a petrographer and a ceramic engineer. The ceramic engineer was Austin J. Paul (BSCerE University of Illinois) a member of the Illinois Chapter of Keramos.

Over the years the department has grown in keeping with and to fulfill the technological and economic needs of the area and the nation. It has assumed an international flavor more than many of the ceramic engineering departments of the country. This has come about through

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\* Based on the History of the Missouri Chapter of Keramos prepared by the Missouri Chapter, 1977

faculty and postdoctoral appointments.

**Department Heads:**

Major E. Holmes, 1926-1931

Charles M. Dodd, 1931-1939

Paul G. Herold, 1939-1955

Theodore J. Planje°, 1955-1963

Robert E. Moore°, 1963-date

**Faculty.** Mention should be made of some other noteworthy faculty members, past and present:

Harlan U. Anderson

P. Darrell Ownby

Delbert E. Day°

Charles A. Sorrell

William J. Knapp

Norbert J. Kreidl

Gordon Lewis

George E. Lorey

Thomas S. Montgomery

## KERAMOS

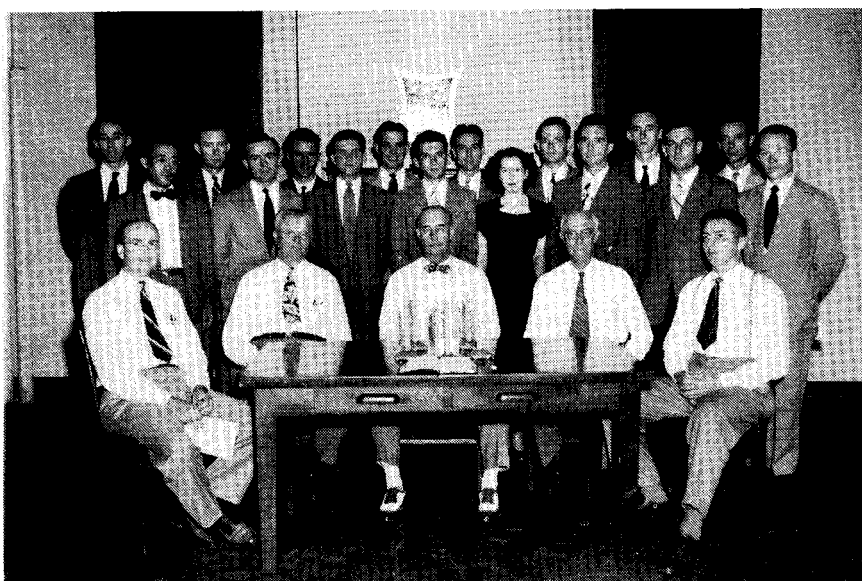
**Subchapter.** A subchapter of Keramos was established in 1933. Professor Dodd accepted the appointment of representative to the Fraternity's Executive Council. Under this arrangement two Missouri School of Mines ceramic engineering students were elected to nonresident active membership through the Illinois Chapter. They were Robert L. Stone, initiated in 1934 and William J. Smothers° initiated in 1940.

**Establishment of the Chapter.** The 17 members of the newly formed Missouri School of Mines Honorary Ceramic Club on April 17, 1947 signed a petitioning letter addressed to the Executive Council of Keramos. In part it stated "Feeling the need for (a chapter of Keramos) at the Missouri School of Mines and Metallurgy, we have formed a local club whose chief object is to secure for this School an active Chapter of Keramos. Two of the petitioners were faculty members. Of the 15 student members 14 were men and one was a woman. Of the 14 males four were graduate students and all 14 were World War II veterans and had seen overseas service. Six of the 14 had been commissioned officers, typical of the student body of the time.

**Installation.** The installation was held July 26, 1947 in the Ceramic Engineering building. On July 26, 1947, a hot and humid Saturday, a special installation team met in the Ceramics Building to install the new chapter. The team consisted of the Grand (national) officers: President C. M. Dodd, Vice President A. I. Andrews, Secretary P. G. Herold, Treasurer S. R. Scholes° and H. J. Beckemeyer substituting for Herald A. F. Greaves-Walker, absent because of illness. Four of the original petitioners, John F. Burst, Mathew J. Kerper, Edward W. Laird and Ralph C. Padfield, were unable to attend. Three new members of the Club, Alden P. Annis, Paul E. Hoey and Charles P. McKinnis who had subsequently

joined the Club, were included. Thus, the list of charter members was:

Alden P. Annis	Tad Kawaguchi
J. Earl Brady	Mathew J. Kerper
Henry C. Brassfield	Edward W. Laird
John F. Burst	Charles P. McKinnis
Bernard Cohen	Bob L. Mornin
James A. Crookston	Edward E. Mueller
Stephen Hasko	James I. Mueller
Paul E. Hoey	Ralph C. Padfield
Edmond P. Hyatt	Theodore J. Planje
	Marjorie P. Spurrier



Installation of the Missouri Chapter. Seated: P. G. Herold, A. I. Andrews, C. M. Dodd, S. R. Scholes and H. J. Beckemeyer. Standing, first row: T. Kawaguchi, P. E. Hoey, E. E. Mueller, S. Hasko, M. P. Spurrier, J. A. Crookston, B. Cohen and C. P. McKinnis. Back row: W. J. Knapp (Advisor), H. C. Brassfield, J. E. Brady, B. L. Mornin, T. J. Planje, E. P. Hyatt, A. P. Annis and J. I. Mueller. (Courtesy Missouri Chapter)

**Activities.** The Chapter's History of the Missouri Chapter of Keramos lists without comment ten "Repeated or Long-Term Projects." That was hardly adequate for an organization that has displayed such vitality, ingenuity and irreverence for the prosaic. For 20 years it has been a bouncy group. That term characterized the original petitions and seems to have continued to be the prime characteristic. Some of the ten projects are quite pedestrian but others such as the Mud Slinger, the sweatshirts, the "H. A." Award — although not always in the best of taste — are different; they are exuberant. Some of the more staid and truly service oriented projects have been providing identifying ribbons for Keramos members at conventions, prizes at the Science Fair, organizing displays for the ceramics

museum and the outstanding ceramic teacher award. One not mentioned but of great service to all ceramic groups was the cataloging and publishing titles of technical movies. The Chapter has twice won the Outstanding Chapter Award—for 1971-72 and 1976-77.

**Honorary Members.** The following named leaders of the ceramic profession have been elected, with the concurrence of the national officers, to honorary membership in the Fraternity:

LeRoy D. Hart, 1975	Frederich H. Norton, 1948
John C. Hostetter, 1947	Charles A. Smith, 1953
William J. James, 1961	Harlan D. Smith, 1971
Hector O. McDonald, 1973	A. Paul Thompson, 1950

**Chapter Officers:**

<i>1947-48</i>		<i>1948-49</i>	
Pres.	James I. Mueller		Henry C. Brassfield
V. P.	Bernard Cohen		Edmond P. Hyatt
Sec.	J. Earl Brady		Robert H. Breitwieser
Treas.	Stephen Hasko		Bettie Lu Shroyer
Her.	Henry C. Brassfield		Roger F. Grotefendt
Adv.	William J. Knapp		William J. Knapp
<i>1949-50</i>		<i>1950-51</i>	
Pres.	Donald L. Heath		Ross V. Ott
V. P.	William C. Rous		Stanley W. Niemczura
Sec.	John C. Williams		Edwin J. Soxman
Treas.	Bernard J. Eck		John R. Neely
Her.	Sterling D. Shoher		Charles T. Foster
Adv.	Paul G. Herold		Paul G. Herold
<i>1951-52</i>		<i>1952-53</i>	
Pres.	John M. Robertson		Jerry D. Plunkett
V. P.	George MacZura		Roy D. Kinert
Sec.	Peter Kurtz		Wallace T. Harper
Treas.	Emil C. Hrbacek		(F) John H. Bender
Treas.			(S) Wing-Cheuk Lo
Her.	Jerry D. Plunkett		John R. Ford
Adv.	Paul G. Herold		Paul G. Herold
<i>1953-54</i>		<i>1954-55</i>	
Pres.	James R. Wilkes		Wendell L. Haubein
V. P.	Gene Haertling		
Sec.	(F) Wing-Cheuk Lo		
Sec.	(S) Elbert A. Willis		
Treas.	David O. Anderson		
Her.	Ellis J. Smith		
Adv.	Theodore J. Planje		Theodore J. Planje

## 1955-56

*Fall*

Pres. Wendell L. Haubein  
 V. P. Gilbert F. Metz, Jr.  
 Sec. R. Thomas Smith  
 Treas. Robert E. Moore  
 Her. R. Thomas Smith  
 Adv. Theodore J. Planje

## 1956-57

Pres. Edward C. Duderstadt  
 V. P. Delbert E. Day  
 Sec. R. Thomas Smith  
 Treas. Gilbert F. Metz, Jr.  
 Her. Kermit R. Kreder  
 Adv. Theodore J. Planje

## 1958-59

Pres. Eugene L. Rusert  
 V. P. John F. Mitchell  
 Sec. Clarence J. Phillips  
 Her. Orville Hunter, Jr.  
 Adv. George E. Lorey

## 1960-61

Pres. Ira R. Phillips  
 V. P. James R. Hague  
 Sec. Gerald E. Cooper  
 Treas. Jerome D. Patterson  
 Her. Norman S. Berkowitz  
 Adv. George E. Lorey

## 1962-63

Pres. William H. Parker  
 V. P. Ottis Warner  
 Sec. Ottis Warner  
 Treas. Michael F. Modde  
 Her.  
 Adv. George E. Lorey

## 1964-65

Pres. James C. Pool  
 V. P. James E. Shelby, Jr.  
 Sec. Z. Clark Marks  
 Treas. Macy W. Vance  
 Her. Robert W. Hackbarth  
 Adv. George E. Lorey

*Spring*

Edward C. Duderstadt  
 Gilbert F. Metz, Jr.  
 R. Thomas Smith  
 Delbert E. Day  
 R. Thomas Smith  
 Theodore J. Planje

## 1957-58

James O. Williams  
 Gerald W. Allmon  
 Edward C. Duderstadt  
 Edward K. MarFarlane  
 Eugene L. Rusert  
 Theodore J. Planje

## 1959-60

Robert A. Elrod  
 George E. Lorey

## 1961-62

Albert N. Copp  
 Roy T. Coyle  
 John J. Schwaller  
 David W. Lum  
 Norman S. Berkowitz  
 George E. Lorey

## 1963-64

George H. Taylor  
 William E. Steinkamp  
 James L. Hill  
 Maurice E. Green  
 James E. Shelby, Jr.  
 George E. Lorey

## 1965-66

Robert W. Hackbarth  
 Edward A. Ballman, Jr.  
 (F) John R. Ubaudi  
 (S) Lawrence T. Ferretti  
 Joseph E. Starling  
 Gary N. Wolz  
 Delbert E. Day

1966-67

Pres. Glenn W. Hollenberg

V. P. Robert J. McNamara

Sec. Leslie G. Harmon

Treas. Jeffrey D. Keck

Her. Robert J. McNamara

Adv. Delbert E. Day

1968-69

Pres. William P. Wood

V. P. Norman F. Renaud

Sec. Isreal Denlow

Treas. Ernest R. Verebelyi

Her. George C. Walthers

Adv. Delbert E. Day

1970-71

Pres. Glenn J. Conger

V. P. Harris J. Korklan

Sec. Lenn Scheibal

Treas. Lindell Rutherford

Her. Russell Smith

Adv. Delbert E. Day

1972-73

Pres. Dennis Schubert

V. P. Frank Krainess

Sec. John W. Halloran

Treas. Charles Armstrong

Her. Jack Young

Adv. Charles A. Sorrell

1974-75

Pres. (F) William D. Scott

Pres. (S) Michael L. Lampe

V. P. (F) Michael L. Lampe

Sec. David J. Suiter

Treas. Gary E. Chapman

Her. Royce L. Vessell

Adv. Charles A. Sorrell

1976-77

Pres. Jeffry W. Stevenson

V. P. James Highfill

Sec. Paul A. Baker

Treas. Kurt D. Humphrey

Her. Lana J. Bray

Adv. Charles A. Sorrell

1967-68

(F) Henry E. Anthonis

(S) Jeffery D. Keck

(F) Jeffery D. Keck

(S) William P. Wood

(F) William J. Trejbal

(S) George C. Walther, Jr.

Richard Drumwright

Delbert E. Day

1969-70

Stephen J. Schwedt

Niel S. Portnoff

Vincent Logan

William Schaffer

Glenn J. Conger

Delbert E. Day

1971-72

Russell Smith

Dennis Schubert

Richard Brockmier

Harris J. Korklan

Glenn J. Conger

Charles A. Sorrell

1973-74

1975-76

David J. Suiter

David J. Suiter

Brian Flandermeyer

Royce L. Vessell

Kurt D. Humphrey

Lana J. Bray

Charles A. Sorrell

1977-78

Charles C. Sorrell

Kurt D. Humphrey

Kathryn L. Atteberry

David C. Hitchcock

Paul P. Russell

Charles A. Sorrell

**NEW JERSEY CHAPTER\***  
**RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY**  
 at New Brunswick

**THE UNIVERSITY**

Rutgers, The State University of New Jersey enjoys a long history from its conception as Queens College in 1766 to its present role as a major state university in the nation. Founded November 10, 1766 on petition of the Dutch Reformed Church with a charter from King George III, Queens College, the eighth colonial college, opened in 1771. The college was dedicated to educate youths in language, liberal arts and sciences. In 1825 it was renamed after Colonel Henry Rutgers, a benefactor.

The Rutgers Scientific School in 1864 was redesignated as a state college and became the New Jersey land-grant college. It introduced education in agriculture and engineering. A later reorganization, 1914, led to separate units: the College of Arts and Sciences, the College of Engineering and the College of Agriculture. In 1924 with the addition of Douglass College for Women, Rutgers became a University. In 1945 the Legislature made the institute the state university and in 1956 the present name was adopted. Today, Rutgers is a diverse institution. Its main campuses in New Brunswick included Rutgers College, Douglass College, Cook College, the College of Pharmacy and the College of Engineering. Other campuses are located in Newark and Camden.

The University has one of the major university libraries of the nation. Also it operates a large agricultural experiment station and research institutes which include engineering, ceramics, economics, biological sciences and labor relations.

**CERAMIC ENGINEERING**

**Early History.** The ceramic industry of New Jersey goes back to the colonial era and grew in keeping with the industrialization of the region. Quantity and quality of the products improved rapidly. By the 1880s eggshell porcelain was being made.

The beginning of professional ceramic education has been attributed to the early work on clays by Dr. George H. Cook, State Geologist and Vice President of Rutgers College, assisted by Dr. J. C. Smock also of Rutgers. This work was published in 1878.

It is noteworthy that in 1898 Charles F. Binns<sup>o</sup> was given charge of a newly established ceramic technical and art school in Trenton, N.J. where he remained until 1900 when he left to be the Director of the new New York State School of Clayworking and Ceramics.

**The School of Ceramics.** An effort was made in 1901 to have established a state school of ceramics but failed. In March 1902 the New Jersey

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\* Adapted from New Jersey Chapter of Keramos: History prepared by the New Jersey Chapter, 1977.

Legislature authorized its establishment in the State Agricultural School under the direction of Dr. W. S. Meyer then head of the Chemistry Department. Dr. Cullen W. Parmelee, an instructor of chemistry took over the ceramic operation in 1903.



The first Ceramics Building at Rutgers, 1902. (Photo courtesy Am. Ceram. Soc.)

The school of ceramics was created to fulfill the needs of a flourishing industry and the desires of various public spirited individuals. The bill called for ". . . the establishment of a course in Practical and Scientific Instruction in the Art of Clay Working and Ceramics in the State Agriculture College." Again in 1920 the state legislature passed an act to define the responsibilities of the school. Along with overseeing a ceramic research station it was to (1) offer technical training, (2) conduct research on the raw materials and their processing and (3) perform extension activities, including publications.

It was not until 1945 that the School of Ceramics became a unit of the College of Engineering. At that time a curriculum in ceramic engineering was introduced which paralleled the existing curriculum in ceramic science and technology.

The scattered buildings of the College of Engineering became inadequate for the modern needs of the College. An entirely new complex, the Engineering Center, was built at the University Heights campus. The Ceramics Department moved into its area in 1963.

#### **Department Heads.**

W. S. Meyer, 1902-1903

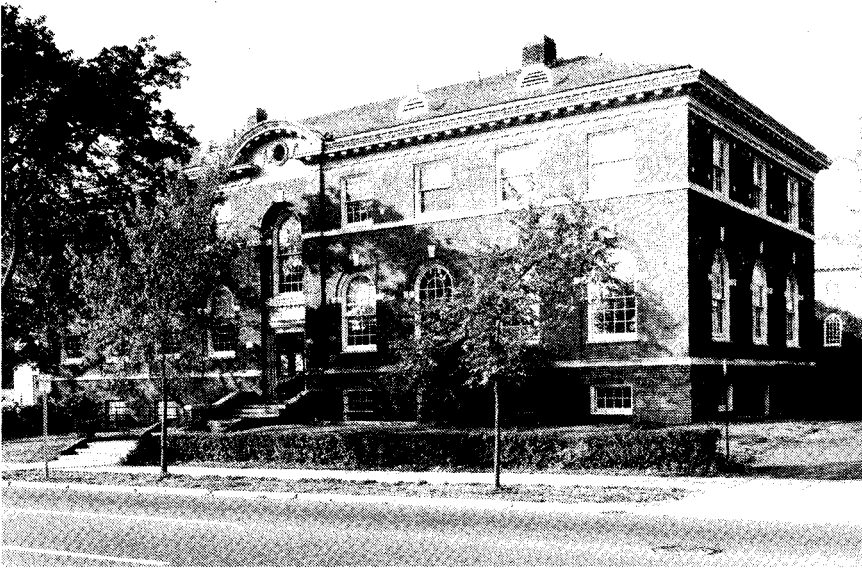
John H. Koenig, 1945-1969

Cullen W. Parmelee, 1903-1916

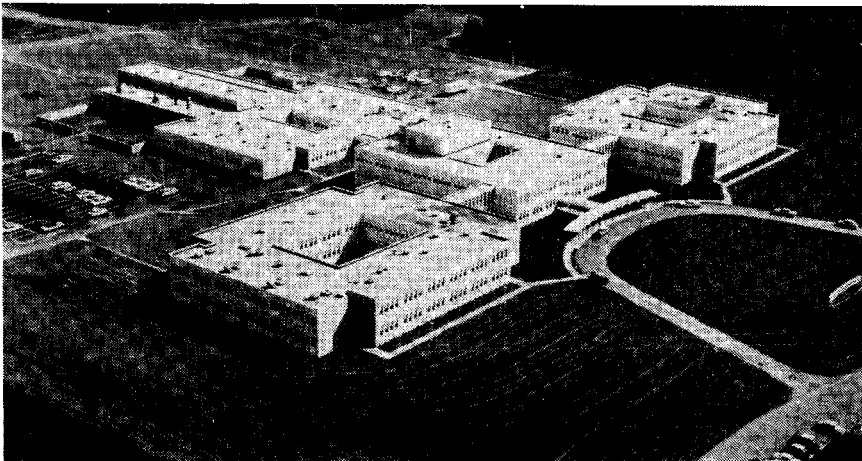
Malcolm G. McLaren, 1969-date

George H. Brown, 1916-1943

Edward P. McNamara, 1943-1945, (Acting)



The "new" Ceramics Building. Built in 1921-22 and "home of ceramics" 1922-1963. (Photo courtesy Rutgers News Service)



Aerial view of the Engineering Center. Ceramic Engineering occupies the foremost wing. (Photo courtesy Rutgers News Service.)

**Distinguished Faculty.** In addition to the department heads there have been many well known faculty members. A few, past and present, who come to mind are:

William H. Bauer  
William C. Bells

Edward C. Henry  
Ernest L. Kastenbein

Ronald A. McCauley  
 Edward McNamara  
 W. Richard Ott  
 Charles J. Phillips  
 Alexis G. Pincus

James W. Rue  
 Harold T. Smyth  
 Edward J. Smoke  
 Robert B. Sosman

## KERAMOS

**Early Negotiations.** During the late 1920s both the Illinois Chapter of Keramos and the North Carolina Chapter of Beta Pi Kappa were attempting to interest the members of the ceramics school in organizing a chapter of their respective fraternities. It appeared that the Illinois group had the inside track when they initiated Dr. Brown into Keramos as an honorary member. However, nothing came of these efforts.

During the late 1930s, after the merger of the two fraternities, further overtures were made by the national officers but to no avail. It appears that Dr. Brown was avoiding a possible transfer of the school to the College of Engineering. Keramos was also to be avoided because its membership was essentially all engineers. However, in December 1942 the senior ceramic students requested information about procedures of establishing a chapter. It was probable that they were taking advantage of Dr. Brown's absence (due to illness) and anticipating a more sympathetic hearing from Professor E. P. McNamara, acting head of the school and a member of the New York Chapter of Keramos. Also, they wanted to establish a chapter before graduation and personal involvement with the uncertainties of a world at war. McNamara was sympathetic but felt that the future was too uncertain. By spring it was clear that all ceramic departments soon would cease their normal educational functions and would continue or take on such activities as were directly related to the war effort. Thus, no new chapter was formed.

With the ceramic school transferred to the College of Engineering, a curriculum in ceramic engineering added, and Dr. Koenig, an engineer and member of Keramos, the climate had become favorable for a chapter.

**Rutgers Ceramic Honorary Fraternity.** During the fall of 1946 a local fraternity was formed for the expressed purpose of becoming a chapter of Keramos. The membership consisted of eight undergraduates and five "alumni" members. The latter were all alumni or honorary members of Keramos. A formal petition was submitted to the Keramos national officers in December 1946.

**Chapter Installation.** The Rutgers Ceramic Fraternity was installed as the New Jersey Chapter of Keramos at the Morton Hotel, Atlantic City, N. J. April 23, 1947. The installation was made by the national officers, President C. M. Dodd, Vice President A. I. Andrews, Secretary P. G. Herold, Treasurer S. R. Scholes and Herald A. F. Greaves-Walker. The eight petitioning undergraduates became the charter members of the new chapter. They were:

Zale Dillon  
Allan S. Halpern  
Herbert A. Omley  
Roger Snellman

Donald J. Stefl  
Kenneth E. Taaffe  
Richard J. Vandermade  
Henry C. Willenbrock.

The petitioning alumni members, all of the faculty, reverted to their prior status in Keramos. Their names and original chapter affiliations were:

William C. Bell, (N.C.)  
John H. Koenig, (Ohio)

Richard P. McCabe, (N.C.)  
William A. Scholes (N.C.)  
Robert H. Thomas, (Ohio).



New Jersey Chapter Members, Dec. 11, 1948. (Left to right) First row: D. B. Wingerter, I. Gordon, D. J. Stefl, Z. Dillon, R. J. Vandermade, S. J. Ortepiop; 2nd row: M. E. Newark, W. P. Hahn, J. E. Neal, M. R. Waters, H. T. Van Horn, H. F. G. Ueltz, F. K. Davey; 3rd row: R. P. McCabe, A. S. Halpern, J. W. Mulder, K. F. Auer, L. R. Blair, W. H. Bauer; 4th row: R. H. Thomas, J. H. Koenig, C. A. Lambelet. (Photo courtesy Amer. Ceram. Soc.)

**Honorary Members.** The chapter has honored an illustrious group of the ceramic profession. Their names and years of election were:

George J. Bair, 1967  
Fred Bentley, 1957  
George C. Betz, 1949  
Leslie Brown, 1947  
Joseph E. Burke, 1974  
Dodd S. Carr, 1976  
Paul V. Johnson, 1964  
John H. Junker, 1959  
N. Johnson Kent, 1952

Henry F. Kleinfeldt, 1950  
Daniel O.Koch, 1957  
Thomas H. McKeown, 1956  
George T. Morese, 1951  
Hayden H. Murray, 1976  
James S. Owens, 1968  
August K. Staudt, 1947  
Hereld D. Thropp, 1955  
John A. Williams, 1953

**Chapter Officers.***Spring 1947*

Pres. Roger Snellman  
 V.P. Kenneth E. Taaffe  
 Sec. Tr. Zale Dillon  
 Her. Richard J. Vandermade  
 Adv. John H. Koenig

*1948-49*

Pres. William P. Hahn  
 V.P. James E. Neal  
 Sec. Martin E. Newark  
 Treas. Howard E. Konrad  
 Her. Edwin Ruh  
 Adv. John H. Koenig

*1950-51*

Pres. James R. Bachman  
 V.P. Richard C. Phoenix  
 Sec. Malcom R. Harris  
 Treas. Richard G. Mills  
 Her. Bernard D. Roesch  
 Adv. Edward E. Mueller

*1952-53*

Pres. Benjamin P. Colosky  
 V.P. Robert V. LaMaire  
 Sec. Ernest L. Kastenbein  
 Treas. Arthur I. Stoller  
 Her. Norman M. Tallan  
 Adv. Edward E. Mueller

*1954-55*

Pres.  
 V.P.  
 Sec. Robert H. Arlett  
 Treas.  
 Her.  
 Adv. John H. Koenig

*1956-57*

Pres. Joseph M. Kacicz  
 V.P. William V. Baer, Jr.  
 Sec. Jack Hanoka  
 Treas. Lawrence R. Johnson  
 Her. Francis E. Pirigy  
 Adv. John H. Koenig

*1947-48*

Zale Dillon  
 Irwin Gordon  
 Donald J. Stefl

*1949-50*

Frederick R. Huettig  
 William B. Harsell  
 George S. Huber  
 Stephen L. Albertalli  
 William J. Kelly  
 John H. Koenig

*1951-52*

David W. Stahl

Edward E. Mueller

*1953-54*

Paul D. Baba  
 Martin H. Leipold  
 Michael R. Kowalczyk

Norman M. Tallan  
 John H. Koenig

*1955-56*

Robert H. Arlett  
 Donald Kohnken  
 Alexander A. Liten  
 Harry A. Lawler  
 Ellis Levenson  
 John H. Koenig

*1957-58*

Robert Rothstein  
 Paul M. Bridenbaugh  
 Francis E. Pirigy  
 David R. Reid  
 Evelyn S. Lukas  
 John H. Koenig

## 1958-59

Pres. Donald R. Ulrich  
 V.P. Donald S. Pasternak  
 Sec. Robert Rothstein  
 Treas. Masahiro Iwata  
 Her. David R. Reid  
 Adv. John H. Koenig

## 1960-61

Pres. Robert A. Gdula  
 V.P. Raymond O. Goetz  
 Sec. Tr. Charles R. Greenberg  
 Her.  
 Adv. Charles J. Phillips

## 1962-63

Pres. Cyril J. Mogab  
 V.P. William Matthes  
 Sec. D. Thomas Rankin  
 Treas. Ronald Staut  
 Her. Howard Wichansky  
 Adv. Charles J. Phillips

## 1964-65

Pres. Richard G. LaBar  
 V.P. Andre P. Galliath  
 Sec. (F) Peter J. Vergano  
 Sec. (S) Jeffrey H. Belding  
 Treas. Peter J. Vergano  
 Her.  
 Adv. Ernest L. Kastenbein

## 1966-67

Pres. Edward R. Babluski  
 V.P. James D. Dunnagan  
 Sec. Tr. John W. Chattaway  
 Her. James D. Dunnagan  
 Adv. Ernest L. Kastenbein

## 1968-69

Pres. John L. Deines  
 V.P. Harry H. Russell III  
 Sec. Alan T. Sukovich  
 Treas. Peter P. Bihuniak  
 Her. Simon M. Borkowski  
 Adv. Ernest L. Kastenbein

## 1959-60

Masahiro Iwata  
  
 John F. Mooney, Jr.  
 Richard H. Kleiner

John H. Koenig

## 1961-62

Douglas M. Mattox  
 Dennis J. Viechnicki  
 Cyril J. Mogab  
 Richard Palicka  
 Charles J. Phillips

## 1963-64

William A. Vitriol  
 James D'Antonio  
 Richard J. Wasowski

James D'Antonio  
 Charles J. Phillips

## 1965-66

Jeffrey H. Belding  
 Allan D. Lemberger  
 Joseph R. Latove  
 Joseph R. Latove  
 William A. Belding  
 James D. Dunnagan  
 Ernest L. Kastenbein

## 1967-68

Suzanne R. Nagel  
 John R. Koenig  
 Harry W. Russell III  
 Carlino Panzera  
 Ernest L. Kastenbein

## 1969-70

Peter P. Bihuniak  
 Greg A. Ricciardi  
 Bruce S. Dunn  
 J. Lawrence Troutman  
 Herold H. Horowitz  
 Ernest L. Kastenbein

*1970-71*

Pres. Charles Rush  
 V.P. David Avigdor  
 Sec. Arthur Spooner  
 Treas. Richard C. Marlor  
 Her. Richard L. Lehman, Jr.  
 Adv. Ernest L. Kastenbein

*1972-73*

Pres. Neil M. Schattin  
 V.P. Jaroslaw Kynik  
 Sec.  
 Treas.  
 Her.  
 Adv. James W. Rue

*1974-75*

Pres. Larry J. Shelestak  
 V.P. Charles F. Sikorski  
 Sec.  
 Treas.  
 Her.  
 Adv. James W. Rue

*1976-77*

Pres. Robert Cohen  
 V.P. William Russell  
 Sec. William Russell  
 Treas. Emilio Giraldez  
 Her. Jay Vickery  
 Adv. Ernest L. Kastenbein

*1971-72*

Barry K. Speronello  
 Steven W. Seufert  
 David Avigdor  
 Roy Solondz  
 Robert H. Licht  
 Ernest L. Kastenbein

*1973-74*

David B. Cerutti  
 Allen Carroll  
 David Kimble  
 Liu Vie Wei  
 Daniel P. Kramer  
 James W. Rue

*1975-76*

Eliot S. Lassow  
 Alfred M. Gaibrois  
 Earl F. Borchelt  
 Jimmy Huff  
 James Moadel  
 James W. Rue

*1977-78*

Robert Dolphin  
 David Smoke  
 Paul D. Gray  
 Gary Garvey  
 Jay Vickery  
 Ernest L. Kastenbein

**NEW YORK CHAPTER\***  
**ALFRED UNIVERSITY**  
 Alfred, N.Y.

**THE UNIVERSITY**

On the banks of the Kanakadea Creek in 1836, the pioneers of Alfred established the Alfred Select School whose first teacher was Mr. Bethual Church. A few years later, January 31, 1843, the New York State Regents granted a charter changing it to the Alfred Academy. Finally, on March 28, 1957, Governor John A. King signed a bill creating Alfred University. W. C. Kenyon was then designated as the university's first president.

By the late 1890s the university's enrollment and fortunes were at their lowest ebb since its establishment. At this time the aristocratic young president, Boothe Colwell Davis came into office. He decided that immediate action must be initiated to save the institution. His plan was to expand the program beyond that of liberal arts in order to develop a wider clientele for students, funds and friends. By 1899, with the construction of the Hall of Physics, a greater emphasis was placed on science and technology.

**NEW YORK STATE COLLEGE OF CERAMICS**

**New York State School of Clayworking and Ceramics.** The earliest recorded public suggestion for a ceramic school at Alfred came from Charles T. Harris, lessee of the local Celadon Terra Cotta Co. plant in Alfred. In 1897 the Hon. John J. Merrill expressed a similar idea and also suggested the possibility of state support for such a school. After much lobbying and correspondence with the assembly and senate, Governor Theodore Roosevelt signed a bill on April 12, 1900 creating "the New York State School of Clay-Working and Ceramics at Alfred University." It provided \$15,000 for building and equipment and \$5,000 for the first year's maintenance and operation. Charles Fergus Binns was appointed director and organizer. The Ceramics building was completed in 1902. A picture is shown in the Section, *Early History*.

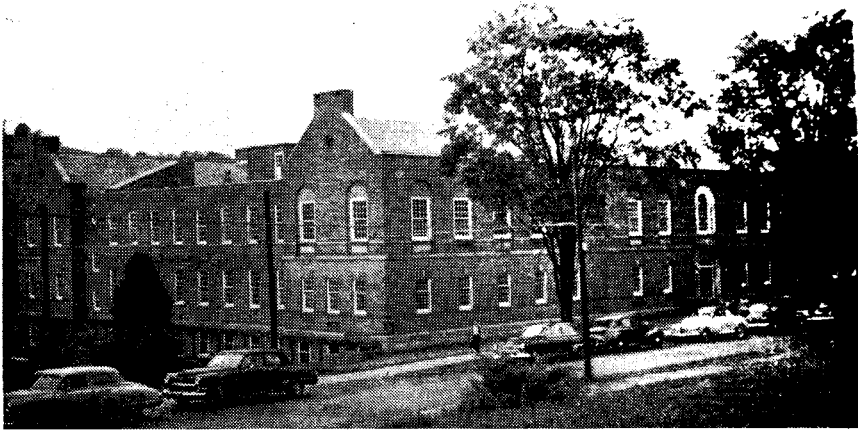
**The State University of New York.** In 1948 the New York State legislature created the State University of New York (not to be confused with the University of the State of New York) by the amalgamation of 29 state supported institutions and placed them under one board of trustees. The ceramics school was one of the 29. The number of institutions has since increased to some 50 units embracing a wide variety of activities and professions.

**School of Ceramics Reorganizations.** Although some form of departmental organization always existed in the college, it obtained a more

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\* Adapted from History of New York Chapter of Keramos, prepared by the New York Chapter, 1977.

definite structure in the early 1930s. The legislature of 1932 approved the budget submitted by the trustees of Alfred University which included the provision for the establishment of a department of glass technology. That marked the first organization for formal education and research in glass technology in America. In the same bill the name of the ceramic school was changed to "The New York State College of Ceramics at Alfred University." Dr. Samuel R. Scholes was appointed as first chairman of the new department.



Binns-Merrill Hall. Original portion completed 1935, addition 1953. (Courtesy Am. Ceram. Soc.)

Further structuring of the college took place in 1944 and was more or less perfected to its present form in 1947. Modifications were announced in 1964 and later. The tenure of Director Binns and his successors were:

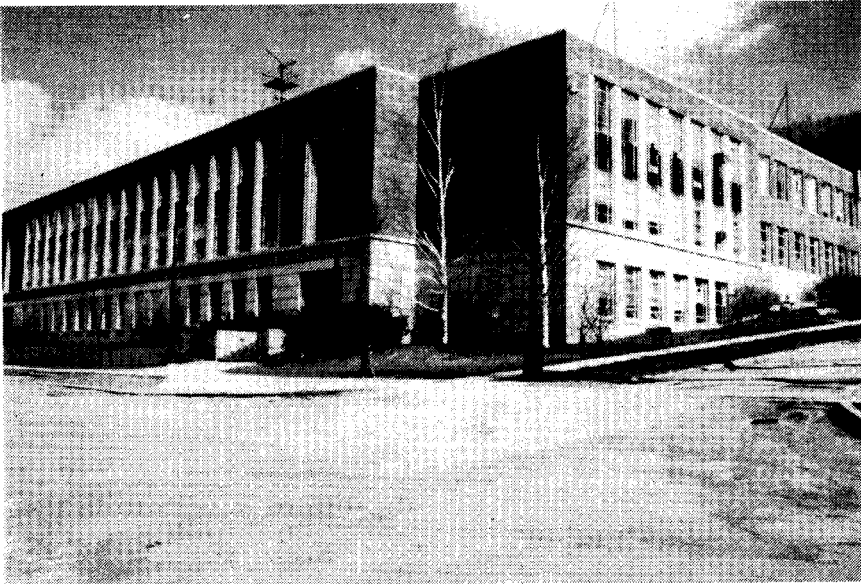
Charles F. Binns, 1900-1931	John F. McMahon, 1948-1965
Major E. Holmes, 1932-1946	Edward E. Mueller(B), 1965-1973
Samuel R. Scholes, 1946-1948	Willis G. Lawrence, 1973-date.

### CERAMIC ENGINEERING

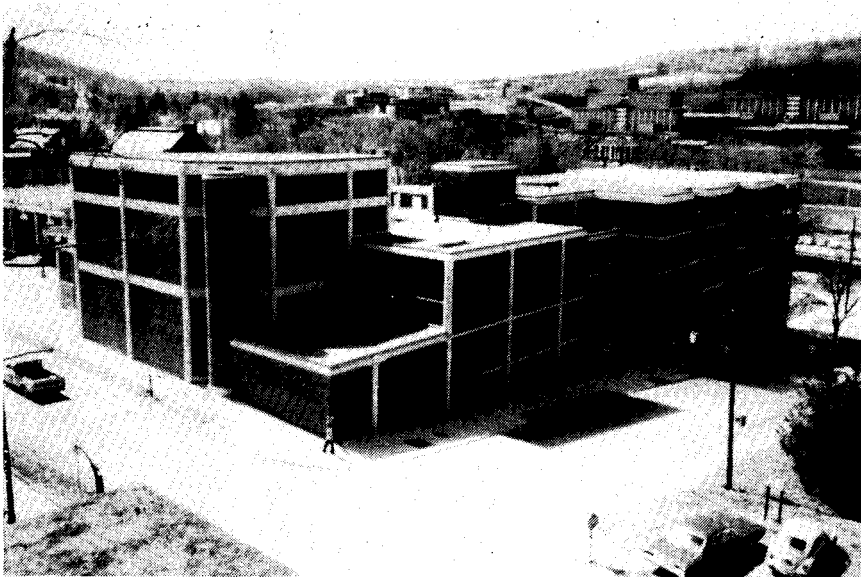
From the beginning of the School of Ceramics the instruction was roughly divided into ceramic art and ceramic engineering. Appropriate degrees were conferred. It was not until the reorganization of 1944 that the Department of Ceramic Engineering and Technology was established with Professor Robert M. Campbell as head.

The department heads and their respective periods of tenure in that position were:

Robert M. Campbell, 1944-1965	Milton A. Tuttle, 1970-1973
Willis G. Lawrence, 1965-1967	Philip H. Crayton, 1973-1976
John E. Young, 1967-1970	David R. Rossington, 1976-date



McMahon Building. Completed in 1958. (Courtesy Alfred University.)



Charles Harden Hall. Completed 1970. (Courtesy Alfred University)

It should be pointed out that all of these administrators, especially the department heads, were teachers. In addition, a few past and present faculty members should be mentioned.

Charles B. Amberg  
Andrew I. Andrews  
Wayne E. Brownell  
Vernon L. Burdick

Van Derck Frechette  
Thomas J. Gray  
Charles H. Greene  
George A. Kirkendale

William C. LaCourse  
 Donald W. McArdle  
 John W. McBurney  
 Charles W. Merritt  
 E. T. Montgomery  
 Edward E. Mueller

Lenwood D. Pye  
 Arthur H. Radash  
 Daniel E. Rase  
 Harold E. Simpson  
 William R. Tinklepaugh  
 Marion J. Voss  
 Frank C. Westendick

### KERAMOS

The history of the establishment of the New York Chapter has been presented fully in the section, *Early History*. Let it suffice to state briefly that the North Carolina Chapter of Beta Pi Kappa made overtures by correspondence and by a personal visit of Donald B. Hall<sup>o</sup>, a native of Hornell, N. Y. and a member of that chapter. On his representation seven senior engineering students formed a local fraternity, Delta Pi Alpha on December 8, 1927. Professor Binns was an honorary member. By prearrangement delegates of the two fraternities met in Atlantic City, N.J. on February 7, 1928. They agreed to hold a convocation on the following day. As a result B Π K became a national professional ceramic engineering fraternity of two chapters.

The charter members of the New York Chapter, B Π K were:

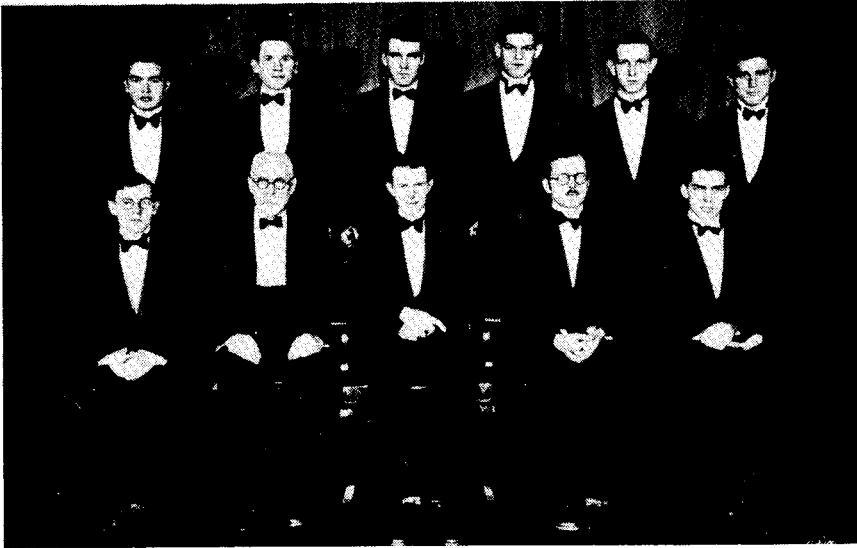
William G. Collins	Revere H. Saunders
Desmond E. Dewitt	Norman H. Stolte
Eugene W. Fulmer	Francis J. Williams
Daniel W. Luks	Charles F. Binns (honorary)

The merger of B Π K and Keramos is documented in the *Early History* and will not be repeated here.

**Major Projects.** Because of uniquely favorable conditions for departmental growth, astute administrative officers and with equally astute chapter officers and advisors, the chapter is by far the largest and wealthiest of the Fraternity. With this combination of personnel and financial reserves, the chapter projects are indeed impressive. A partial list includes

1. plant trips for underclassmen to acquaint them with the ceramic industry; i.e., in 1962 to the Carborundum Co. in Niagara Falls, in 1964 to the Hanley Co. brick plant in Lewis Run, Pa. and the Buffalo-Allegany China dinnerware plant in Claredon, Pa.;
2. an annual banquet for induction of an honorary member and/or newly elected officers;
3. a Keramos scholarship fund;
4. in cooperation with the admissions office to conduct tours of the college for prospective students;
5. tutoring sessions in chemistry, mathematics, physics and ceramics;
6. in cooperation with the Alfred Historical Society in the renovation and restoration of the Celadon Terra Cotta Co. building.

The Chapter received the Outstanding Chapter Award for the years 1961-62 (the first time made) and 1968-69.



New York Chapter of B I T K 1929-30. Front row: John L. Gallup, Prof. Charles F. Binns, Robert B. Bassett, Prof. Charles B. Amberg, Milton D. Burdick. Back row: Jack E. McGraw, Kenneth E. Smith, William L. Fabianic, Albert S. Brown, Harold E. Karthauser, Leland Armstrong. (Courtesy William L. Fabianic)

**Honorary Members.** The chapter has recognized the following outstanding members of the ceramic profession by election to honorary membership:

Roy S. Arrandale, 1969	Robert Hawkins, 1965
Henry D. Bixby, 1968	Charles Jacobs, 1975
Marvin G. Britton, 1961	Wingate A. Lambertson, 1962
Sanford S. Cole, 1948	Howard R. Lillie 1958
Guy R. Cowan, 1936	J. T. Littleton, 1947
James W. Craig, 1959	John W. McBurney, 1957
George Crawford, 1938	Herbert J. Mossien, 1966
B. F. Dewey, 1964	Walter W. Oakley, 1956
Grant S. Diamond, 1940-1951	Karl H. Sandmeyer, 1974
George J. Easter, 1976	K. E., Stettinius 1955
James E. Funk, 1971	Stephen M. Swain, 1952
R. F. Geller, 1954	C. Forrest Tefft, 1935
Henry E. Hagy, 1972	Emily Van Schoick, 1949
	Samuel F. Walton, 1943

**Chapter Officers.***Delta Pi Alpha and Beta Pi Kappa*

1927-28

Pres. Francis J. Williams  
 V. P. Desmond E. DeVitt  
 Sec. Eugene W. Fulmer

*Beta Pi Kappa*

1928-29

Pres. Dean H. Fredericks  
 V.P. Kenneth E. Smith  
 Sec. Walter T. Hulse  
 Treas. Jack E. McGraw  
 Sgt. Ernest H. Spencer

1929-30

Robert B. Bassett  
 Don C. Lynn  
 William L. Fabianic  
 John L. Gallup

1930-31

Pres. John L. Gallup  
 V.P. Harry N. Sackett  
 Sec. Earl E. Beeton  
 Treas. Eugene E. Bryant  
 Sgt. John Hillmiller

1931-32

Meredith Barton  
 William Fuller  
 John Hillmiller  
 Michael F. Blawat

*Keramos*

1932-33

Pres. Donald R. Goetchius  
 V.P. Walter Merck  
 Sec. J. Benjamin Towner  
 Treas. Donald Dickens  
 Her. Frederick Muller

Feb. 8-10 1932

At a joint convocation of  
 B Π K and Keramos the two  
 merged. The N.Y. delegates  
 were Meredith Barton and  
 M. Dale Lockwood.

1933-34

Pres. L. Donald Morris  
 V.P. Adolph G. Reitz  
 Sec. Vincent E. Wessels  
 Treas. Theodore R. Ten Broek  
 Her. Walter J. Tolbert  
 Adv. Samuel R. Scholes

1934-35

Andrew J. Fedor  
 Leslie W. Townsend  
 Edward F. Perkins  
 Edward P. McNamara  
 Leslie F. Pither  
 Samuel R. Scholes

1935-36

Pres. Stuart Schatz  
 V.P. John C. Nevius  
 Sec. A. Curtis Jackson  
 Treas. Edwin L. Phillips  
 Her. Harold D. Prior  
 Adv. Samuel R. Scholes

1936-37

Daniel W. Kocher  
 Edward E. Kunzman  
 Raymond A. Pape  
 John Barvian  
 William O. Young  
 Samuel R. Scholes

## 1937-38

Pres. Rodney A. Jones  
 V.P. Jud A. Gustin  
 Sec. Harvey Conner  
 Treas. Desmond F. Teague  
 Her. Walter G. Scott  
 Adv. Samuel R. Scholes

## 1939-40

Pres. Norman Kendall  
 V.P. Frank C. Arrance  
 Sec. V. Edwin Wessels  
 Treas. William C. Drohan  
 Her. Stanley T. Stanislaw  
 Adv. Samuel R. Scholes

## 1941-42

Pres. David Armant  
 V.P. Robert H. Dows  
 Sec. Elton S. Gamble  
 Treas. Burton E. Baker  
 Her. M. Douglas Beals  
 Adv. Samuel R. Scholes

## 1943-44

Pres. Elmer S. Fitzsimmons  
 V.P. John A. Powell  
 Sec. Maurice Wilson  
 Treas. George L. Cornwell  
 Adv. Samuel R. Scholes

## 1938-39

William J. Knapp  
 Willis G. Lawrence  
 Donald J. Tucker  
 V. Wesley Weidman  
 Addison B. Scholes  
 Samuel R. Scholes

## 1940-41

Arthur J. Haecker, Jr.  
 Robert A. Whitwood  
 Frank P. Maxwell  
 Lewis Kluth  
 James F. Wygant  
 Samuel R. Scholes

## 1942-43

Lawrence R. Bickford, Jr.  
 Roman R. Iles  
 Walter H. East  
 Edward L. Mooney  
 George A. Jones  
 Samuel R. Scholes

## 1944-45

Abbot Pozesfsky  
 Robert Collin  
 Ernest H. Faust  
 Ernest H. Faust  
 Samuel R. Scholes

*1944-45 and 1945-46 chapter inactive because of World War II.*

## 1946-47

Pres. John Boros  
 V.P. Augustus J. Hathaway  
 Sec. Marion R. Nadler  
 Treas. Harry Parker  
 Her. Claude A. Lindquist  
 Adv. Samuel R. Scholes

## 1948-49

Pres. L. James Snow  
 V.P. Edward F. Dick  
 Sec. Jesse B. Shapiro  
 Treas. Eugene W. Holeman  
 Her. Robert T. Whitford  
 Adv. Samuel R. Scholes

## 1947-48

Marion R. Nadler  
 G. Edwin Lorey  
 W. Clayton Ormsby  
 Harry Parker  
 Donald H. Dreyer  
 Samuel R. Scholes

## 1949-50

Robert K. Longfritz  
 Bernard J. Trompeter  
 George E. Eiwen  
 Lee J. Winship  
 George M. Harris  
 Samuel R. Scholes

	<i>1950-51</i>		<i>1951-52</i>
Pres.	George E. Crouchley, Jr.		Willard H. Sutton
V.P.	Robert Kassel		David M. Pixley
Sec.	Ferdinand A. Schaa, Jr.		Louis Rosen
Treas.	John Carl		Carlton Small
Her.	Richard A. Alliegro		
Adv.	Samuel R. Scholes		Samuel R. Scholes
	<i>1952-53</i>		<i>1953-54</i>
Pres.	David Joseph		Albert Paladino
V.P.	Stanley Waugh		
Sec.	Yoshio Ichikawa		Robert T. Lewis
Treas.	James Pappas		
Her.	Frederick Olympia		
	<i>1954-55</i>		<i>1955-56</i>
Pres.	Ronald K. Francis		Paul Goodridge
V.P.	Richard O. Helliesen		Earl Whitney
Sec.	John F. Grant		Henry C. Graham
Treas.	Louis E. Roberts		Gordon Lewis
Her.			Philip Hedges
Adv.			
	<i>1956-57</i>		<i>1957-58</i>
Pres.	Joseph Muccigrosso		R. Francis Tatnall
V.P.	William Rhodes		John L. LeBlanc
Sec.	David C. Hill		Daniel K. Green
Treas.	J. David Wolcott		Samuel F. Hulbert
Her.	Grant Farrington		Sydney L. Smith
Adv.			Van Derck Frechette
	<i>1958-59</i>		<i>1959-60</i>
Pres.	Joseph H. Conner		Theodore B. Covert
V.P.	John D. Fredericks		Richard W. Petticrew
Sec.	Alan S. Gurnsey		Margaret F. Griffen
Treas.	Donald R. Messier		James J. Tuzzeo
Her.	George T. Lewis		George H. Daggett, Jr.
Adv.	Van Derck Frechette		Charles H. Greene
	<i>1960-61</i>		<i>1961-62</i>
Pres.	Norman W. Severin		Thomas Sturiale
V.P.	George C. Phillips, Jr.		Michael A. Kanter
Sec.	Bette Blank		Shirley Weiss
Treas.	Wilson D. Perry		John Reents
Her.	Robert G. Hays		Edmond Kotary
Adv.	John F. McMahon		John F. McMahon

## 1962-63

Pres. John Pulver  
 V.P. Justin B. Schulman  
 Sec. Richard H. Edwards  
 Treas. John Nunes  
 Her. Robert Miller  
 Adv. Daniel E. Rase

## 1964-65

Pres. Harry B. Skinner  
 V.P. Bernard F. Bentley  
 Sec. Janet E. Burlingame  
 Treas. Norman A. Heiman  
 Her. Kent L. Collins  
 Adv. Daniel E. Rase

## 1966-67

Pres. James R. McGaughey  
 V.P. Arvid E. Pasto  
 Sec. Sally A. Cragg  
 Treas. Nicholas Winters  
 Her. Gordon A. Kemp  
 Adv. Daniel E. Rase

## 1968-69

Pres. Richard Casciano  
 V.P. Steven Armbrister  
 Sec. David Hill  
 Treas. John Mangels  
 Her. Charles Goodwin  
 Adv. Daniel E. Rase

## 1970-71

Pres. William Schiavi  
 V.P. Paul Reith  
 Sec. Richard Laubenstein  
 Treas. Philip Flaitz  
 Her. Alan Kiehle  
 Adv. Daniel E. Rase

## 1972-73

Pres. Mark G. Schwabel  
 V.P. Kenneth E. Martin  
 Sec. Johnathan R. Bolton  
 Treas. James Congdon  
 Her. David R. Miller  
 Adv. Daniel E. Rase

## 1963-64

Richard H. Edwards  
 Paul D. Shull  
 Alton M. Lacy  
 Mark A. Stett  
 Terry W. Wilkenson  
 Daniel E. Rase

## 1965-66

Curtis E. Zimmer  
 James W. McBeth  
 Charles W. Cameron, Jr.  
 Robert J. Eagan  
 Gordon L. Bjorck  
 Daniel E. Rase

## 1967-68

David Feather  
 Douglas Lee  
 Ann J. Schaberl  
 Sally A. Cragg  
 David Metzler  
 Daniel E. Rase

## 1969-70

Michael Haselkorn  
 Mark H. Mitchell  
 Rosalia Nastasi  
 Bob Powell, Jr.  
 Gary C. Binkley  
 Daniel E. Rase

## 1971-72

David Sheldon  
 Abdul Hemani  
 Richard Horsey  
 Gary Morrow  
 Curtis Scott  
 Daniel E. Rase

## 1973-74

Michael S. Arnold  
 Christopher H. Welker  
 John R. Baer  
 Thomas M. Pollak  
 Bruce M. Coons  
 Daniel E. Rase

*1974-75*

Pres. Margery J. Wirtner  
 V.P. Lon J. Lovinger  
 Sec. Katherine T. Faber  
 Treas. Robert J. Paisley  
 Her. Robert J. McCombs  
 Adv. Daniel E. Rase

*1976-77*

Pres. Carol Vaughan  
 V.P. John Costello  
 Sec. Timothy Easler  
 Treas. Roger Moore  
 Her. Brian Osgood  
 Adv. Daniel E. Rase

*1975-76*

Joseph W. Hill  
 David P. Reed  
 John D. TenEyck  
 Brian C. Osgood  
 Helen J. Hergenroder  
 Daniel E. Rase

*1977-78*

Paul S. Dehoff  
 Gerald Stranford  
 John Allard  
 H. Craig Hamling  
 Suzi Lester  
 Daniel E. Rase

**NORTH CAROLINA CHAPTER  
NORTH CAROLINA STATE UNIVERSITY  
at Raleigh**

**THE UNIVERSITY**

The history of North Carolina State University is inextricably intertwined with that of the University of North Carolina. The main campuses of the two are less than 30 miles apart. They are poles apart with respect to attitudes, missions and projects yet they operate in close harmony in many programs.

**The University of North Carolina (UNC).** UNC is a proud, venerable institution with a long and distinguished history in education. It was chartered in 1789 and opened in 1795 as the nation's first state university.

At the close of the civil war, North Carolina in common with the other southern states was virtually destitute. The university was deeply in debt and had almost no students. Being hard pressed the General Assembly in 1868 assigned to the university the funds generated from the sale of public lands authorized by the Federal Morrill Act of 1862. The legal justification for this allocation was that the university had given a few courses in theoretical agriculture. Despite this help the university was forced to close, remaining closed until 1875.

**North Carolina State University.** Agitation for a separate agricultural and industrial institute began in the early 1870s. The pressure was intensified by a group of 24 remarkably able young men\* who joined together in 1884 to form the Watauga Club. "Imbued with the spirit of the Watauga pioneers of the Revolutionary Era" they had for their purposes "to encourage free discussion and to promote the educational, agricultural, and industrial interests of the State." As a result of these and related activities, the legislature authorized in 1887 the establishment of the North Carolina College of Agriculture and Mechanic Arts as a land-grant college. On October 3, 1889, its doors were opened.

From 1908 to 1916 Wallace C. Riddick, an engineer, served as Vice President and in 1916 became its fifth president. Under his leadership this was changed (1917) by the substitution of Engineering for Mechanic Arts which was in keeping with broadening the college's scope from practical to technical and professional education. At Riddick's instigation an independent study by the U.S. Bureau of Education was made resulting in recommendations for reorganizing the college into four main divisions: agriculture, general sciences, and social sciences and business administration. Of importance to the history of Keramos, President Riddick requested that he be released from his presidency to become dean of engineering. His "step down" took place early in 1923.

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\* One of these was Walter Hines Page, publisher and U.S. Ambassador to Great Britain (1913-18) for whom Page Hall was named.

**Consolidation.** The economic and social stresses created by the "great depression" caused a move to consolidate the State's three major institutions of higher education, viz., the University at Chapel Hill, State College which had been established because UNC had failed to meet the demands for practical education, and the Womans' College because of the failure of UNC to open its doors on a basis of equality of women and men. Memories were long, loyalties strong and feeling intense. However, Governor O. Max Gardner, an alumnus of both State and UNC, was able to effect passage of an act of consolidation (1931). It was an economy measure. It reduced overhead, largely eliminated duplication of programs and reduced costs. As a result, State lost its sovereignty and gained a meaningful phrase to its "official" name becoming the North Carolina State College of Agriculture and Engineering of the University of North Carolina. Of the many changes the most important was the concentration of all engineering at State. In essence State became the technological branch of the university.

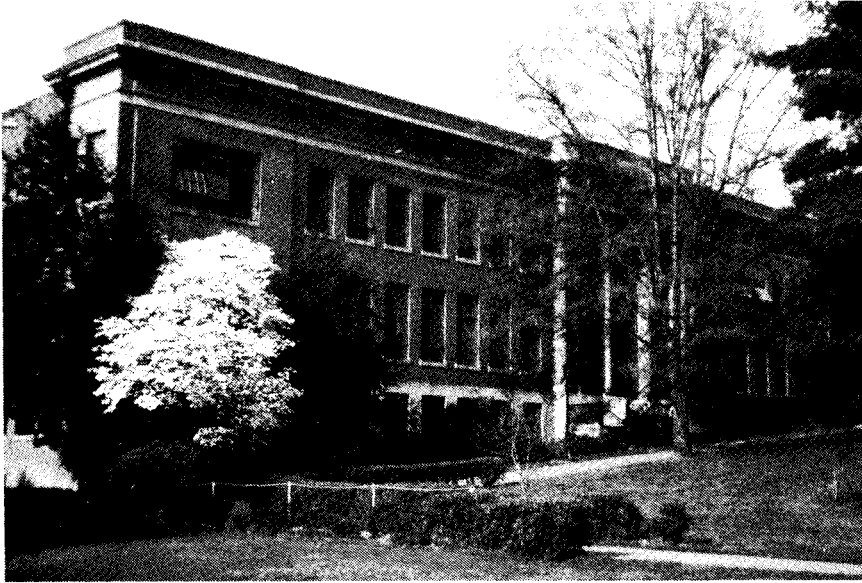
Following World War II enrollments increased sharply. For engineering it crested about 1951. During this period graduate enrollments and research activities prospered. As activities expanded during the next few years colleges started to become universities, many justified, and so it was with State. As might be expected in North Carolina, politics entered and compromises were many. State's name became as a 1963 compromise, North Carolina State of the University of North Carolina. This name lasted only two years giving way to the more logical North Carolina State University at Raleigh. It remained a constituent unit of the "Consolidated University."

In 1971 yet another reorganization of state-supported institutions of higher education placed all 16 under a Board of Governors with each having its own Board of Trustees and greatly increased autonomy.

## CERAMIC ENGINEERING

**Establishment.** It is not known why Dean Riddick became interested in ceramic engineering; however, it is known that when he first became Dean of Engineering he obtained authorization and funds from the legislature (Jan., 1923) to establish a ceramics department. Immediately an exhaustive study was begun to learn the needs of the State and industry. It was decided that department should (1) give assistance to the clayworkers, (2) conduct research to develop the raw materials of the state, and (3) train ceramic engineers. After this a search would be made for a department head. In this connection during the fall of 1923 Fred Steinhoff<sup>®</sup>, later to become Grand President of Keramos, called on Riddick "to fill him in on some information about the (ceramic) industry and about Greaves-Walker." Fred went on to say, "I feel like sort of godfather to the ceramics department...." Greaves-Walker joined the faculty in September, 1924 and proceeded with the organization of the department.

Students were accepted during the first year of operation. Almost immediately, field investigations of the shales of the state were begun (none were being used). Also, Greaves-Walker began writing correspondence courses in ceramics, the first in the nation. A program of annual short courses was inaugurated during the first summer. Thus, the three-fold assignment was well underway—during the first year!



Page Hall. Temporary home of ceramic engineering (1924-26). Returned in 1954.

By 1926 the renovation of the old power house had been completed and the department moved. It provided very well for the time and what was more, they were not sharing space.

**Accreditation.** The ceramic engineering program was fully accredited during the Engineers' Council of Professional Development's initial program of inspection of 1935-36. Full accreditation was maintained during the entire life of the ceramic degree program. The last BSCerE degree was conferred in 1972.

**Program Expansion.** By 1929 the Ceramic Engineering Department had stabilized. The following quarter century (1929-1954) saw the department fortunes in tune with the national ups and downs of the majority of departments. Following the post World War II enrollment expansion and contraction, the two small departments of ceramic and geological engineering together with the metallurgy section of the Mechanical Engineering Department were combined in 1954 to form a new Department of Mineral Industries. Degree programs remained more or less intact.

During this time the graduate program in ceramic engineering had expanded. The master of science degree was authorized with the establishment. However, under "consolidation" authorization for the PhD degree was granted by the "Consolidated University." Ceramics in com-

pany with chemical and electrical were the first of the engineering departments to be authorized the PhD. (1952).

**Ceramic Engineering Department Heads.**

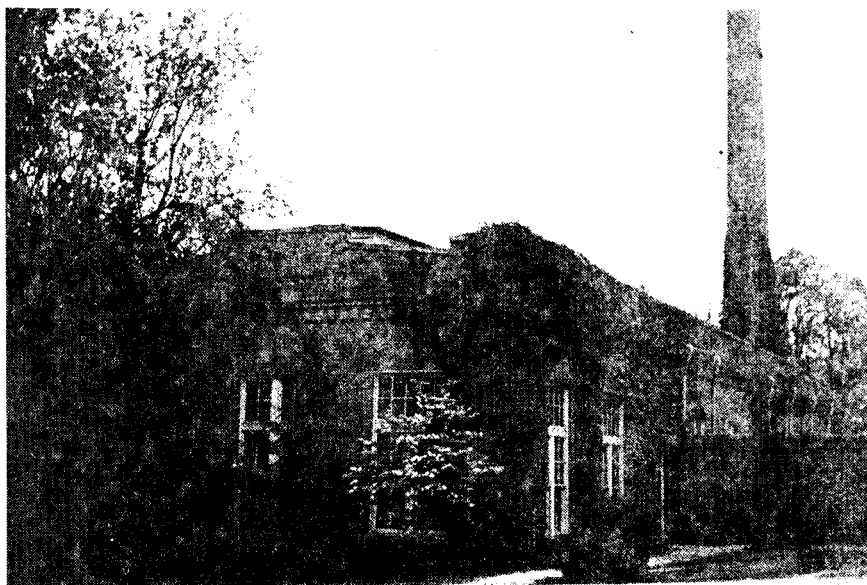
Arthur Frederick Greaves-Walker, 1924-1946

Robert Legrand Stone (Acting), 1942-1945

William Wurth Kriegel, 1946-1954.

Greaves-Walker was on leave 1942-1945 serving as Chief, Non-Metals Section, War Production Board, Washington, D.C.

This and the following section have been written in some detail to serve as "case history" to the section *Growth and Decline*.



Old Ceramics Building, next door to Page Hall.

**Mineral Industries.** Under this arrangement the senior faculty member of the former departments assumed the title, Professor-in-Charge of their respective program. Kriegel continued on in this capacity for ceramics (1954-71). Except for a few course consolidations and a very restricted budget (no added funds were forthcoming) things went along much as before.

The ceramic program expanded during this period (1954-71) principally at the graduate level. It also gained an excellent reputation for advanced research. It organized and conducted several international research conferences. The first of these (1960) gave the impetus to the one of 1964 which inaugurated the continuing series, University Conferences on Ceramic Science.

Outwardly the ceramic program appeared to be one of excellence, but it was hollow—understaffed, underequipped and underfunded. Despite repeated warnings from the ceramic staff and two outside consultants, the administration, for whatever the reasons, took no remedial action. About

this time, geology was transferred to the School of Physical and Mathematical Science.

A further reorganization took place in 1971 resulting in the Department of Materials Engineering and with only one degree offered, Materials Engineering. Accreditation in the other two disciplines was allowed to lapse.

**Faculty Members.** In addition to the three department heads, several well-known ceramic engineers have served on the teaching staff.

William C. Bell	Hayne Palmour III
Robert F. Davis	Martin W. Parcel
A. McKinley Greaves-Walker <sup>o</sup>	Charles V. Rue
William C. Hackler	Everett H. Shands
John V. Hamme	George R. Shelton
George O. Harrell	Robert F. Stoops
John C. Hurt	Esther M. Tuttle
Charles R. Manning	Milton A. Tuttle <sup>o</sup>
Willis E. Moody <sup>o</sup>	C. Rogers Westlake

### KERAMOS

The North Carolina Chapter's history from its founding and reactivation of Beta Pi Kappa in 1925 until the merger with Keramos in 1932 are related in detail in the section *Early History*.

**Projects.** During the 46 years of the chapter's active life the successful projects have been many and varied. All have sought to be of service generally to persons or groups outside of the chapter membership. Illustrative of these activities were:

1. Preparation and mailing of a booklet on careers in ceramic engineering to high schools around the state.
2. Similarly, the collection, packaging and mailing of promotional literature on ceramics to high schools.
3. "Big brother" association, especially tutoring of freshmen and sophomores.
4. Participation in the annual Engineers Open House and, for several years, in the parades (see picture).
5. Establishment, organization and care of the Greaves-Walker Memorial Student Reading Room.
6. Sponsored and directed a Boy Scout Explorer's Post in which they assembled and learned to program and use a Heath Kit computer.
7. Developed a portrait gallery of chapter's honorary members.
8. Initiated the Virginia Chapter at its installation.
9. Assisted Dr. Greaves-Walker in the compilation and distribution of Keramos' first membership directory, 1935, and
10. By far the largest and most time consuming project was the carrying out of the editorial work in preparation of the 1953 Roster of Keramos. This turned out to be a 5-12 by 8 inch booklet of 66 pages. It

contained approximately 1600 members' names with their degree(s) and institution(s), year of initiation and current address. The single-line, double-column index took 10 pages. It was published by Industrial Publications, Inc. as a public service gesture by Industrial Publications, Inc. for which grateful acknowledgement was made and is reaffirmed here.

The Chapter received the Outstanding Chapter Award for the year 1963-1964.

**Honorary Members.** The Chapter, ever on the alert for individuals who had rendered meritorious services to the profession, elected each, with the approval of the Executive Council, to honorary membership. Those so honored were:

Charles B. Alcock, 1965	Ray W. Pafford, 1953
Cecil E. Bales, 1939	Charles S. Pearce, 1946
McDonald C. Booze, 1928	Harry C. Plummer, 1948
Blandford C. Burgess, 1941	Emerson P. Poste, 1932
Stephen C. Carniglia, 1966	Everett H. Shands, 1929
Scroop W. Enloe, Jr., 1951	Robert B. Sosman, 1938
Francis C. Flint, 1937	Jasper L. Stuckey, 1948
Arthur V. Henry, 1930	W. Harry W. Vaughan, 1930
Lewis D. Isenhour, 1955	John B. Wachtman, Jr., 1962
Theron Klinefelter, 1939	John M. Warde 1954
Robert D. Landrum, 1934	John W. Whittemore, 1935
John M. McKinley, 1940	O. J. Whittemore, Jr., 1957
Donald A. Moulton, 1932	Hewitt Wilson, 1936
Edward Orton, Jr., 1927	Charles F. Wysong 1942

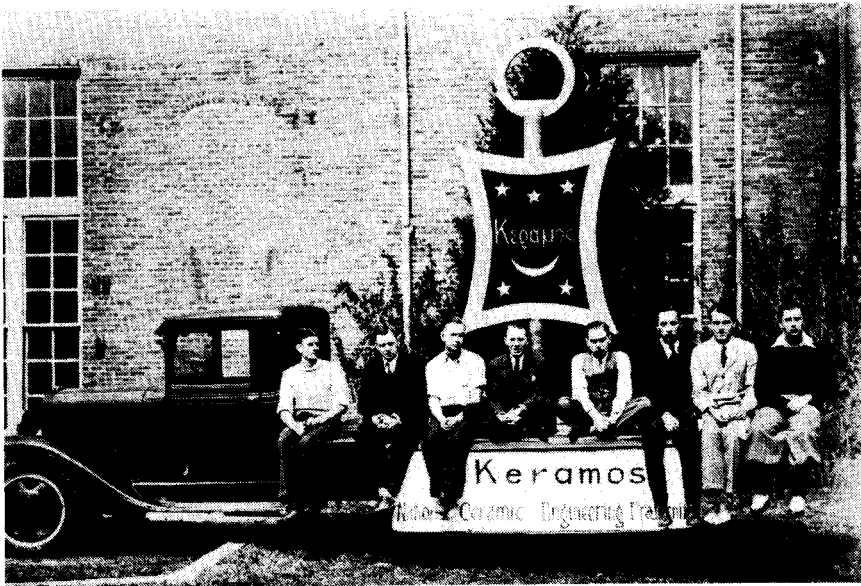
General Orton was given the only honorary membership in B Π K at Ohio State University (1904). The N.C. Chapter of B Π K reaffirmed this action and presented him with a "shingle" and jewelled pin.

#### **Chapter Officers.**

##### *Beta Pi Kappa*

Titles were Master Potter and 1st, 2nd, 3rd and 4th Assistant Master Potter. The conventional terms are used.

	<i>Spring &amp; Fall 1925</i>	<i>Winter &amp; Spring 1926</i>
Pres.	John A. Boren	Robert A. Stamey
V.P.	Robert B. Stamey	Joseph S. Frink
Sec.	Lewis L. Chesson	F. Stanton Hardee
Treas.	Joseph H. Frink	Donald B. Hall <sup>o</sup>
Her.	F. Stanton Hardee	
Adv.	A. F. Greaves-Walker	A. F. Greaves-Walker
	<i>1926-27</i>	<i>1927-28</i>
Pres.	F. Stanton	Hardee Donald B. Hall
V.P.	A. McK. Greaves-Walker	P. Edward Trevathan
Sec.	P. Edward Trevathan	A. McK. Greaves-Walker
Treas.	A. F. Greaves-Walker	James T. Dick, Jr.
Her.	Donald B. Hall	F. Stanton Hardee
Adv.	A. F. Greaves-Walker	A. F. Greaves-Walker



The Big Key. Float for the Engineers' Day parade, spring 1932. The key contained lights for night display. The builders (left to right) J. Edgar Rankin, H. L. Longenecker, John F. Parnell, Prof. A. F. Greaves-Walker (Adv. and Gr. Pres.), Norman H. Stolte (N.Y. Chapt.), Edward C. Davidson (Pres.), William L. Fabianic (N.Y. Chapt.) and William C. Bangs (Pres.) (Courtesy W. L. Fabianic).

	1928-29
Pres.	Robert B. Stamey
V.P.	A. McK. Greaves-Walker
Sec.	Henry H. Hutchinson
Treas.	Peter C. Colletta
Her.	Donald B. Hall
Adv.	A. F. Greaves-Walker

*Keramos*

	1931-32
Pres.	Edward C. Davidson
V.P.	Williams C. Bangs
Sec.	Elwin H. Atwood
Treas.	Charles C. Morrison
Her.	Henry E. Craven, Jr.
Adv.	A. F. Greaves-Walker

	1933-34
Pres.	Walter B. Boyd
V.P.	R. Barnes Worth
Sec.	W. Rex McLain
Treas.	George A. Wills
Her.	James S. Crawford
Adv.	A. F. Greaves-Walker

	1929-30
	Records lost

	1932-33
	John H. Isenhour
	George J. Grimes
	Albert H. Couch
	David L. Bohannon
	A. F. Greaves-Walker

	1934-35
	R. Barnes Worth
	James S. Crawford
	Edwin B. Smith
	W. Rex McLain
	Thomas L. Hurst
	A. F. Greaves-Walker

## 1935-36

Pres. Thomas L. Hurst  
 V.P. Edwin B. Smith  
 Sec. Andrew R. Blackburn  
 Treas. William C. Bell  
 Her. W. Rex McLain  
 Adv. A. F. Greaves-Walker

## 1937-38

Pres. Charles D. King  
 V.P. Arthur Damman  
 Sec. John J. Amero  
 Treas. Addison Maupin  
 Her. Warden W. Gaskins  
 Adv. A. F. Greaves-Walker

## 1939-40

Pres. Frank P. Sabol  
 V.P. James N. Smith, Jr.  
 Sec. Gilbert C. Robinson  
 Treas. Charles M. Gattis, Jr.  
 Her. Stephen W. Derbyshire  
 Adv. A. F. Greaves-Walker

## 1941-42

Pres. Howard L. Miller  
 V.P. P. Pickett Turner, Jr.  
 Sec. James E. Shoffner  
 Treas. Addison Hawley  
 Her. George D. Martin  
 Adv. A. F. Greaves-Walker

1943-46 *chapter inactive because of World War II. Reactivated Fall 1946.*

## 1946-47

Pres. J. Graves Vann, Jr.  
 V.P. Richard W. Dammann  
 Sec. Willard B. Midgette  
 Treas. Hugh H. Wilson, Jr.  
 Her. Robert E. Brickhouse  
 Adv. W. Wurth Kriegel

## 1948-49

Pres. George A. Knight, Jr.  
 V.P. Arthur E. Lucier  
 Sec. Richard D. Dillender, Jr.  
 Treas. Harold Potchar  
 Her. Richard D. Lawrence  
 Adv. W. Wurth Kriegel

## 1936-37

William C. Bell  
 Andrew R. Blackburn  
 Warden W. Gaskins  
 Addison Maupin  
 Solomon G. Riggs, Jr.  
 A. F. Greaves-Walker

## 1938-39

William A. Scholes  
 Wilson H. Ellis  
 Bradford S. Tucker  
 C. Milton Lambe, Jr.  
 William C. Cress  
 A. F. Greaves-Walker

## 1940-41

Henry H. Thomas  
 John W. Nelley  
 Edwin R. Todd  
 S. LeRoy Thomas, Jr.  
 Howard L. Miller  
 A. F. Greaves-Walker

## 1942-43

R. Jack Smith, Jr.  
 James E. Partlow  
 James E. Shoffner  
 Charles V. Rue  
 George D. Martin  
 Robert L. Stone

## 1947-48

Willard B. Midgette  
 Edward E. Saleeby  
 George A. Knight, Jr.  
 Arnold E. Rowe  
 Alfred G. Eubanks  
 W. Wurth Kriegel

## 1949-50

Gordon B. Howell  
 Richard D. Dillender, Jr.  
 Robert E. Boyce  
 Richard D. Lawrence  
 Bobby L. Joyner  
 W. Wurth Kriegel

*1950-51*

Pres. Robert E. Boyce  
 V.P. Carl T. Durham, Jr.  
 Sec. Kenneth W. Hansen  
 Treas. Frank T. Hutchins  
 Her. Edward J. Dzura  
 Adv. W. Wurth Kriegel

*1952-53*

Pres. James T. Tanner  
 V.P. J. Vernon Isenhour  
 Sec. Robert W. Kendrick  
 Treas. Albert J. Dornseif  
 Her. Graden J. Russell  
 Adv. Willis E. Moody

*1954-55*

Pres. Henry C. Croom  
 V.P. Floyd R. Bennett  
 Sec. Ransom S. Harris, Jr.  
 Treas. James E. Thorne  
 Her. David E. Nixon  
 Adv. Willis E. Moody

*1956-57*

Pres. Jack S. Liske  
 V.P. You Song Kim  
 Sec. M. Paul Davis  
 Treas. James T. Tanner  
 Her. Edward W. Friddle  
 Adv. William C. Hackler

*1958-59*

Pres. Richard H. Redwine  
 V.P. James L. Huntley  
 Sec. R. Douglas McBrayer  
 Treas. Rueben B. Arthur, Jr.  
 Her. Thomas W. Krimminger  
 Adv. W. Wurth Kriegel

*1960-61*

Pres. W. Jackson Lackey, Jr.  
 V.P. Lawrence D. Barnes  
 Sec. John W.P. Smithwick, II  
 Treas. W. Harry Mason, Jr.  
 Her. Dong M. Choi (Chay)  
 Adv. W. Wurth Kriegel

*1951-52*

Willis E. Hawkins, Jr.  
 Bobby L. Joyner  
 Albert J. Dornseif  
 Kenneth W. Hansen  
 Albert D. Indyk  
 W. Wurth Kriegel

*1953-54*

Robert W. Kendrick  
 John R. Hart  
 David E. Nixon  
 David W. Kane  
 Floyd R. Bennett  
 Willis E. Moody

*1955-56*

Jack S. Liske  
 Ransom S. Harris, Jr.  
 John L. Freeman  
 C. Franklin Elliott  
 C. Franklin Elliott  
 Willis E. Moody

*1957-58*

M. Paul Davis, Jr.  
 James T. Tanner  
 Edward W. Friddle  
 You Song Kim  
 Wilfred M. Kenan  
 William C. Hackler

*1959-60*

R. Douglas McBrayer  
 Thomas W. Krimminger  
 W. Jackson Lackey, Jr.  
 Lawrence D. Barnes  
 William K. Culbreth  
 W. Wurth Kriegel

*1961-62*

George C. Mitchell  
 James N. Hill  
 Garland E. Scott, Jr.  
 Ernest W. Hughes  
 R. Maurice Benbow  
 W. Wurth Kriegel

*1962-63*

Pres. Dong M. Choi (Chay)  
 V.P. Garland E. Scott, Jr.  
 Sec. John W.P. Smithwick, II  
 Treas. Billy M. Gay  
 Her. Lawrence D. Barnes  
 Adv. W. Wurth Kriegel

*1964-65*

Pres. George L. Morelock, Jr.  
 V.P. Douglas L. Fowler  
 Sec. Philip O. Ransome  
 Treas. D. Ray Johnson  
 Her. Joseph L. Stone  
 Adv. William C. Hackler

*1966-67*

Pres. Robert A. Lawhon  
 V.P. James L. Harrison  
 Sec. James D. Vickrey  
 Treas. Richard L. Mathis  
 Her. Joseph L. Stone  
 Adv. William C. Hackler

*1968-69*

Pres. Harold D. Caldwell  
 V.P. William T. Kiger  
 Sec. W. Sydney Huntley  
 Treas. W. Sydney Huntley  
 Her. James D. Vickrey  
 Adv. W. Wurth Kriegel

*1970-71*

Pres. Ernest Curley  
 V.P. Charles Foster  
 Sec. Leslie Spain  
 Treas. Martin Price  
 Her. Richard Avery  
 Adv. (F) W. Wurth Kriegel  
 Adv. (S) George O. Harrell

*1963-64*

Robert F. Davis  
 Billy M. Gay  
 George L. Morelock, Jr.  
 Marvin L. Huckabee  
 Gerald T. Lester, Jr.  
 William C. Hackler

*1965-66*

David E. Witter  
 Richard L. Mathis  
 Douglas L. Fowler  
 Robert A. Lawhon  
 Joseph L. Stone  
 William C. Hackler

*1967-68*

Howard B. Chambers, Jr.  
 James F. Holtzgraph  
 James D. Vickrey  
 William R. Swiss, Jr.  
 Harold D. Caldwell  
 George O. Harrell

*1969-70*

William E. Cook  
 Ernest Curley  
 Martin Price  
 Martin Price

W. Wurth Kriegel

*1971-72*

Chapter became dormant.

**OHIO CHAPTER\***  
**OHIO STATE UNIVERSITY**  
 at Columbus

**THE UNIVERSITY**

Ohio State University was chartered in 1870 and opened in 1873 as the Ohio Agricultural and Mechanical College. Five years later the name was changed to the Ohio State University. It is a coeducational, land-grant, state supported institution. It maintains extensive scientific programs and facilities.

The university operates from five campuses. The main campus is in Columbus. The others are in Lima, Mansfield, Marion and Newark. In 1977 the university ranked twelfth in size of nation's universities with an enrollment in excess of 47,000. Also, the library ranked twelfth with more than three million volumes.

**CERAMIC ENGINEERING**

The university's first president and noted economic geologist, Edward Orton, Sr., is noteworthy to Keramos. Though the son, Edward Orton, Jr., was the founder of ceramic engineering education, the father's influence and the family's university environment must have been of considerable influence.

Edward Orton, Jr. was responsible for the introduction of a bill in the State Legislature on February 22, 1894, to create a school for ceramic technology. On April 22 it became law, requiring the Board of Trustees of The Ohio State University to establish a Department of Ceramics. The principal proponents were Orton, the Ohio Brick and Drain Tile Association and the National Brick Manufacturers' Association.



Watts Hall, completed 1954, current home of the Ceramic Engineering Department. (Courtesy Ohio State University)

\* Based on the History of the Ohio State Chapter of Keramos prepared by the Ohio Chapter, 1977.

The Department of Ceramic Engineering was headquartered in three different locations, Orton Hall (named for Edward Orton, Sr. and the building in which Beta Pi Kappa was organized), Lord Hall and Watts Hall. Photographs of the first two are shown in the section, *Early History*.

#### **Department Heads.**

Edward Orton, Jr., 1894-1915

Arthur S. Watts, 1915-1946

John L. Carruthers, 1946-1958

J. Ottis Everhart, 1958-1971

William B. Shook, 1971-date

**Distinguished Facility Members.** Over the years many distinguished ceramists have served on the faculty. A few that come to mind, a most incomplete list, were:

Henry H. Blau

Albert V. Bleininger

George A. Bole°

R. Maynard King°

Forrest K. Pence

Ross C. Purdy

Ralston Russell, Jr.°

Samuel R. Scholes

Thomas S. Shevlin°

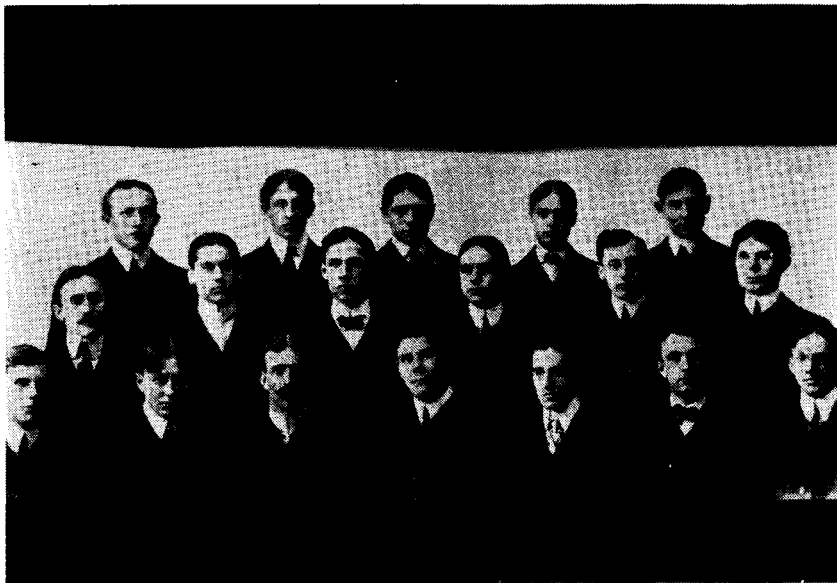
Harold E. Simpson

Frank C. Westendick

Hewitt Wilson

### **KERAMOS**

**Early History.** The founding of the original Beta Pi Kappa, the establishment of the "Beta" Chapter of Keramos and the events leading to the merger of the two fraternities are covered in some detail in the section, *Early History*.



Ohio State Ceramic Students, 1901-1902. Front row: C. VanLuven, T. B. Wildermuth, R. T. Stull, George Simcoe, J. M. Sandison, W. W. Case, W. M. Kennedy. Second row: A. S. Watts, L. Turncull, W. A. Hull, L. E. Barringer, A. V. Bleininger, E. P. Ogden. Back Row: J. A. Garretson, (unknown), G. M. Krick, F. E. Layman, L. P. Singer. Stull at Illinois and Watts at Ohio were to play significant roles in Keramos. (Courtesy Am. Ceram. Soc.)

**Chapter Projects, Activities and Accomplishments.** 1938 - C. J. and J. H. Koenig<sup>o</sup>, with the Ohio Chapter compiled abstracts from volumes 1-19 of the Am. Ceram. Soc. *Transactions*. These were titled *Whiteware Abstracts* and *Abstracts of Glazes and Color*.

1940 — Compiled the *Keramos Topics for Enamellers*.

1941 — A tunnel kiln survey was made "to obtain data on tunnel kilns which will lead to the optimum operating conditions."

1959 — An annual Student Speaking Contest was initiated jointly with the Student Branch of the A.C.S.

1959-1961 — The Chapter undertook the production of Keramos plaques for the national organization.

1960 (approx.) — Annual award to the "Outstanding Ohio State Ceramic Engineer" was initiated.

1964-1965 — A bulletin was prepared on the combined B.S. and M.S. program in ceramic engineering at Ohio State.

1964-1968 — Ceramic exhibits and crystal structure models were produced as classroom aids for the department.

1965-1973 — The Chapter abstracted *The Official Journal* (British Patents) for the *Ceramic Abstracts* of the A.C.S.

1965-1972 — The Chapter gave tours of the Ceramic Engineering Department and manned displays at the Invitational Conference for Engineers Day Program.

1967-1974 — The Chapter guided tours of the department, demonstrated equipment and produced plaques for the Annual Conference for Engineers.

1967-1968 — The Chapter participated in the high school speaking program promoting ceramic engineering as a career.

1970-1971 — The Chapter made movies about ceramic engineering and the department at Ohio State.

The Chapter received the Outstanding Chapter Award for three consecutive years, 1964-65, 1965-66 and 1966-67.

**Honorary Members.** In the course of the years the Chapter has recognized many of the nation's leading ceramic engineers. They are:

Lawrence E. Barringer, 1940	James W. Hepplewhite, 1952
George D. Brush, 1964	John F. G. Hicks, 1967
Harry D. Callahan, 1954	Robert Maynard King, 1933
John L. Carruthers, 1925	W. David Kingery, 1961
John D. Clark, 1957	Robert W. Knauff, 1966
John B. Conrad, 1965	John H. Koenig, 1939
W. Edward Cramer, 1947	Hobart M. Kraner, 1942
Harry E. Davis, 1956	Richard O. Lane, 1960
Winston H. Duckworth, 1962	Edgar Littlefield, 1955
Wilfred R. Foster, 1958	Glenn H. McIntyre, Sr., 1953
Dale A. Fronk, 1972	Robert B. Oberst, 1974
A. Josephine Gitter, 1973	William R. Prindle, 1968

Frank H. Riddle, 1941  
 James T. Robson, 1959  
 Edwin M. Rupp, 1952  
 Samuel Rusoff, 1963  
 Joseph H. Saling, 1977

# **Chapter Officers.**

*Spring 1925*

Pres. John A. Austin

V.P.

Sec. Tr Drury D. Turner

*1926-27*

Pres. William M. Taylor

V.P.

Sec. Tr

*1928-29*

Pres. Walter C. Rueckel

V.P.

Sec. Tr

*1930-31*

Pres. Milton H. Waldschmidt

V.P. Robert D. Evans

Sec. Tr Jack E. Trees

Her. Ralston Russell, Jr.

*1932-33*

Pres. Eldon G. Constance

V.P. Paul E. Gerdes

Sec. Russell K. Johnston

Treas. William F. Yeagley

Her. Fredrick O. Barber

*1934-35*

Pres. Everett C. Hite

V.P. Warren A. Zimmer

Sec. John A. Slyh

Treas. Robert W. Limes

Her. Phillip H. Lieder

Adv. R. Maynard King

*1936-37*

Pres. Sydney A. Moses

V.P. William O. Fahrenbruch

Sec. Albert O. Kneck

Treas. Albert O. Kneck

Her. Sydney J. Brooks

Adv. R. Maynard King

George H. Spencer-Strong, 1950

John D. Sullivan, 1948

Louis J. Trostel, 1949

James S. Welch, 1969

*1925-26*

*1927-28*

*1929-30*

Karl Schwartzwalder

Gilbert Soler

*1931-32*

Ralph R. Rhodes

Roger McNichols

*1933-34*

Carl D. Croskey

James M. Cayford

Harold N. Read

Stanford E. Thal

F. Herbert Frey

*1935-36*

Lewis A. Bretz

Collin Hyde

Phillip H. Lieder

John F. Quirk

Sydney A. Moses

R. Maynard King

*1937-38*

William O. Fahrenbruch

Arthur W. Jackson

Charles B. Tauber

Samuel Daugherty

Ernest B. Snyder

R. Maynard King

*1938-39*

Pres. Henry A. Gornall  
 V.P. William D. Spore  
 Sec. John P. Schloffman  
 Treas. Robert L. Newton  
 Her. Paul J. Yavorsky  
 Adv. Arthur S. Watts

*1940-41*

Pres. Joseph T. McQuaide  
 V.P. J. Allen Pierce  
 Sec. Robert S. Hower  
 Treas. James J. Jacobi  
 Her. Ralph Rose  
 Adv. R. Maynard King

*1942-43*

Pres. Robert H. Thomas  
 V.P. Richard B. Fuller  
 Sec. James R. Johnson  
 Treas. Neil N. Ault  
 Her. Kenneth A. Baab  
 Adv. R. Maynard King

*1946-47*

Pres.  
 V.P.  
 Sec. Barton S. Holl  
 Treas.  
 Her.  
 Adv. R. Maynard King

*1948-49*

Pres. Norman H. Stradley  
 V.P. Tom Norman  
 Sec. (Mrs.) Betty T. Owen  
 Treas. William Stearns  
 Her. Robert R. Rowlands  
 Adv. R. Maynard King

*1950-51*

Pres. Louis J. Trostel, Jr.  
 V.P. Keith R. Clark  
 Sec. Thomas J. Hartford  
 Treas. Robert F. Unum  
 Her. James Ternent  
 Adv. R. Maynard King

*1939-40*

Robert L. Newton  
 Howard E. Petty  
 Alfred W. Robinson  
 Harry Papier  
 John W. Lennon  
 Arthur S. Watts

*1941-42*

William R. Patton  
 Ralph Rose  
 James H. Rickey, Jr.  
 Thomas S. Shevlin<sup>o</sup>  
 Paul S. King  
 R. Maynard King

*1943-46*

Chapter inactive because  
 of World War II

*1947-48*

David G. Brant  
 Frederick E. Heischman  
 Earl W. Franklin  
 Barton S. Holl  
 Norman H. Stradley  
 R. Maynard King

*1949-50*

Clarence Shaw  
 Francis J. Shonebarger  
 John Kaiser  
 Hugh C. Marshall  
 Robert Scott  
 R. Maynard King

*1951-52*

Robert J. Brinkman  
 Thomas M. Giles  
 Milan Vukovich, Jr.  
  
 Frank R. Kalman  
 R. Maynard King

	<i>1952-53</i>
Pres.	Milton E. Poland
V.P.	James E. Johnson
Sec.	John H. Milliken
Treas.	John H. Milliken
Her.	Paul E. Rempes
Adv.	R. Maynard King
	<i>1954-55</i>
Pres.	Lawrence J. Dolan
V.P.	Robert V. Watkins
Sec.	Ralph W. DeVille
Treas.	James F. Devlin
Her.	Barry R. Emrich
Adv.	Ralston Russell, Jr.
	<i>1956-57</i>
Pres.	William A. Miller
V.P.	John M. Shepard
Sec.	Thomas M. Davis
Treas.	Russell B. Bennett
Her.	Burton D. Brubaker
Adv.	Ralston Russell, Jr.
	<i>1958-59</i>
Pres.	Paul R. Gage
V.P.	Earl D. Dietz
Sec.	Phillip N. Bolinger
Treas.	Maurice J. Garey
Her.	Stephen K. Bennett
Adv.	Ralston Russell, Jr.
	<i>1960-61</i>
Pres.	Maurice J. Garey
V.P.	Dale E. Niesz
Sec.	Dwight S. Whittemore
Treas.	Thomas R. Wright
Her.	David M. Miller
Adv.	Ralston Russell, Jr.
	<i>1962-63</i>
Pres.	William H. Daniels
V.P.	David F. Thompson
Sec.	Robert W. Sparks
Treas.	Robert V. Chang
Her.	Michael U. Goodyear
Adv.	Ralston Russell, Jr.

	<i>1953-54</i>
	John H. Milliken
	Virgil E. Bradford
	James E. Johnson
	Ralph W. DeVille
	Thomas L. Stalter
	R. Maynard King
	<i>1955-56</i>
	Ralph W. DeVille
	<i>1957-58</i>
	Russell B. Bennett
	Burton D. Brubaker
	William E. Kaiser
	Earl D. Dietz
	William A. Miller
	Ralston Russell, Jr.
	<i>1959-60</i>
	Phillip N. Bolinger
	Glenn L. Wilson
	Thomas N. Short
	Charles E. Schott
	Maurice J. Garey
	Ralston Russell, Jr.
	<i>1961-62</i>
	David M. Miller
	Dale E. Niesz
	B. Brent Augenstein
	Thomas R. Wright
	(F) John A. Edwards
	(S) D. S. Whittemore
	Ralston Russell, Jr.
	<i>1963-64</i>
	John K. Goodyear
	Frederick R. Glander
	James A. Shell
	Frederick W. Doss
	Charles W. Kistler
	Ralston Russell, Jr.

## 1964-65

Pres. Martin J. O'Hara  
 V.P. Charles W. Kistler  
 Sec. Larry G. McCoy  
 Treas. William H. Kieltmeyer  
 Her. Arthur G. Como  
 Adv. Ralston Russell, Jr.

## 1966-67

Pres. Robert J. Miller  
 V.P. Gregg F. Melde  
 Sec. Charles E. Chaille  
 Treas. Jonathan W. Hinton  
 Her. Robert G. Smith  
 Adv. William B. Shook

## 1968-69

Pres. John L. Martin  
 V.P. Michael E. McConnel  
 Sec. James W. Randall  
 Her. John W. Wingert  
 Adv. William B. Shook

## 1970-71

Pres. John T. Randall  
 V.P. William L. Breuing  
 Sec. William A. Pooles  
 Treas. Randy O. Knapp  
 Her. H. David Prior  
 Adv. William B. Shook

## 1972-73

Pres. Robert L. Antram  
 V.P. Richard E. Fouts  
 Sec. Sharon Spencer  
 Treas. Thomas H. Booth  
 Her. Scott C. Hay  
 Adv. Ralston Russell, Jr.

## 1974-75

Pres. Richard M. Baginski  
 V.P. Colleen A. Donohue  
 Sec. Jay D. Ewing  
 Treas. David E. Brooks  
 Her. Gary F. Knutsen  
 Adv. Ralston Russell, Jr.

## 1965-66

James A. Wooley  
 Charles H. Drummond III  
 James E. Saltzman  
 J. Michael Best  
 Charles E. Chaille  
 William B. Shook

## 1967-68

Rodney B. Clark  
 Robert A. Perkins  
 Norman D. Belcher  
 Galen D. Powers  
 Robert W. Matz  
 William B. Shook

## 1969-70

John W. Wingert  
 Daniel J. Menegay  
 Garrett L. Scott  
 William L. Baumbarger  
 William B. Shook

## 1971-72

Rodney Ward  
 Jan Koczera  
 Daniel Belton  
 Elizabeth Welter  
 Randy O. Knapp  
 William B. Shook

## 1973-74

Guy D. Ensinger  
 Richard M. Baginski  
 Joan Grill  
 Robert R. Blakely, Jr.  
 George J. Ulrich  
 Ralston Russell, Jr.

## 1975-76

Jay D. Ewing  
 Richard F. Beckmeyer  
 James A. Miller  
 Jeffrey L. Baston  
 Jeffrey L. Baston  
 Ralston Russell, Jr.

*1976-77*

Pres.	Martin L. Hoss
V.P.	Michael G. Montgomery
Sec.	Carole J. Markoff
Treas.	Robert J. Leddy, Jr.
Her.	Liselotte Schioler
Adv.	Ralston Russell, Jr.

*1977-78*

Donald P. Slutz
Candace L. Endter
Susan L. Mancey
Brian J. Zelinski
Scott A. Stanley
Ralston Russell, Jr.

**PENNSYLVANIA CHAPTER\***  
**PENNSYLVANIA STATE UNIVERSITY**  
at University Park

**THE UNIVERSITY**

The Pennsylvania State University was chartered and opened in 1855 as the Farmers' High School. Renamed the Agricultural College of Pennsylvania in 1862, it became a land-grant college in 1863. The curricula were expanded and in 1874 the name was changed to the Pennsylvania State College. A graduate school was added in 1922. By the 1940s there were over 50 undergraduate curricula and the College had expanded to four Commonwealth campuses. In 1953 the name was changed to the Pennsylvania State University.

The main campus at University Park is located in the Nittany Valley, the geographic center of the state. The campus is a 5,000 acre tract of which 540 acres constitute the central campus. In addition to the University Park campus, there are 18 Commonwealth campuses and the Medical Center. In 1977 the University was reported as the nation's eleventh largest university with an enrollment of more than 48,000 full-time students. The University has 10 undergraduate colleges, the College of Medicine and the Graduate School.

The University is actively engaged in research programs which include major projects in all Colleges and in the 16 intercollegiate research institutes, centers and laboratories.

The Pennsylvania State University is a coeducational, land-grant, state supported institution. Its prime purpose is to serve the people and the interests of the Commonwealth and the nation.

**HISTORY OF CERAMIC SCIENCE AND ENGINEERING**

The first interest in ceramics at the College was in 1900 when a paper on clays and the clay industry of Pennsylvania was written by an economics professor. Formal and informal lectures on clays and refractories were presented by the Geological and Metallurgical Departments during the period of 1911-1923. By this time there were widespread ceramic interests in Pennsylvania resulting in the establishment of a curriculum in ceramic engineering in the School of Mineral Industries. It was largely "cookbook" ceramics.

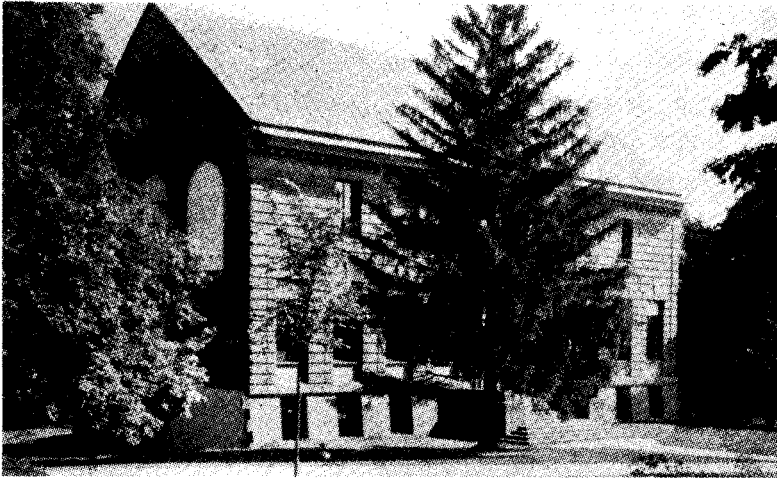
In 1933 Dr. Nelson W. Taylor was appointed head of the Department of Ceramics. He changed the "cookbook" program to "igneous physical chemistry" ceramics. Appropriate equipment was procured and a graduate program was developed. The degree was renamed Ceramic Technology. Financial help was obtained from industry. Dr. Taylor brought Edward C. Henry and Dr. W. A. Weyl to the department, two

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\* Adapted from History of Keramos, Pennsylvania Chapter by David C. Cranmer, President and Bernard J. Busovne, Jr., Herald, 1976.

men who formed the backbone of the department for 20 years.

During the 1960s the department was renamed the Ceramic Science Section of the Materials Science Department. Recently Engineering has been added to both names, thus, it is now the Ceramic Science and Engineering Section.



First "home" of Ceramics at Penn State.

The current section head is Dr. Guy E. Rindone,<sup>o</sup> a past national President of Keramos.

**Department Heads.**

Joseph B. Shaw, 1923-1932  
 George J. Bair, (Acting), 1932-1933  
 Nelson W. Taylor, 1933-1943  
 Edward C. Henry, 1943-1955  
 George W. Brindley, 1955-1963  
 Floyd A. Hummel, 1963-1969  
 Guy E. Rindone, 1969-date

**Contributing Faculty.** Attention should be focused on other members of the faculty that have served over the years. The following list is very incomplete but are those that come to the writer's recollection.

W. R. Beussem	Edward P. McNamara
Richard C. Brandt	Robert E. Newnham
William H. Earhart	Carlo G. Paulano
Roy E. Ehman	Karl E. Spear
John H. Halloran	Vladimir S. Stubican
Daniel W. Kocher	Norman R. Thielke
Frederick R. Matson	Richard E. Tressler
Herbert A. McKinstry	Woldemar A. Weyl
	William O. Williamson

## KERAMOS

**Events Leading to Charter.** The Penn State Student Branch of the American Ceramic Society was organized in 1934. The students then became interested in Keramos. However, the records indicate that Dr. Taylor was not interested or misinterpreted the overtures for the establishment of a chapter.

In 1946 at the annual meeting of the American Ceramic Society, Dr. Henry was approached by several members of Keramos and encouraged to organize a chapter at Penn State. Undergraduates and graduate students favored organizing. On the advice of Dr. Mitchell, former Grand Secretary, the students drafted a petition on March 22, 1948 and submitted it to the Student Welfare Committee for permission to organize a new society to be known as The Pennsylvania State College Ceramic Fraternity. Dr. Edward Steidle, Dean of the School of Mineral Industries, approved the idea and encouraged petitioning Keramos. A petition was sent to Keramos on April 7, 1948 and approval was completed on April 27, 1948.

**Chapter Installation.** The installation took place in the Mineral Industries Art Gallery on December 3, 1948. The installing officers were Grand President Andrew I. Andrews, Grand Vice President Lane Mitchell, Grand Secretary Harry W. Thiemecke°, Grand Treasurer Samuel R. Scholes and Roy G. Ehman acting for the Grand Herald.



Chapter Installation. Initiation team: (beginning sixth from right, front row) Andrews, Scholes, Mitchell, Thiemecke, and Ehman. (Courtesy Am. Ceram. Soc.)

### Charter Members.

#### Students:

Lester D. Alspach  
Charles E. Brackbill  
Webster Capps  
William E. Counts  
Dorothy P. Enright  
Robert M. Gruver  
J. Raymond Hensler  
Clifford F. Hocker  
Harold W. Reid

Guy E. Rindone  
Harold E. Sadwick  
David C. Skelly  
Richard M. Smith  
Lawrence R. Sonders  
Donald F. Stock  
Richard F. Urban  
Clarence M. Whitlow, Jr.  
George R. Wisser

#### Faculty:

William H. Earhart

Edward C. Henry  
Edward Steidle

### **Major Projects, Activities and Accomplishments.**

1. The Chapter maintains the Keramos-Frazier Library, named for J. Earl Frazier<sup>o</sup>, honorary member. The library contains approximately 500 volumes, mostly ceramic-oriented.

2. Each fall chapter members organize a tutoring program in mathematics, chemistry and physics. Response to the program has been fair.

3. The Chapter sponsors several lectures each year featuring faculty members and outside guests.

4. Ceramic course evaluations are distributed and collected for the faculty.

5. Keramos has participated in the Earth and Mineral Sciences Exposition (EMEX). The purpose of EMEX is to inform the public about careers and developments in the Earth and Mineral Sciences.

6. The Chapter has worked for worthy and charitable organizations such as the American Cancer Society and Heart Fund drives. It has sponsored various intramural teams.

The Chapter was the recipient of the Outstanding Chapter Award for the year 1972-1973.

### **Honorary Members.**

William S. Bates, 1973	Frank Jansma, 1966
Howard P. Bonebrake, 1963	William L. Kenagy, 1951
S. Frank Cox, 1957	J. Spotts McDowell, 1952
Robert C. Enoch, 1977	John S. Nordyke, 1964
J. Earl Frazier, 1953	James P. Poole, 1970
Earl A. Garber, 1959	Paul H. Reed, 1974
Harold A. Heiligman, 1961	Roger W. Rowland, 1948
Ernest M. Hommel, 1958	Elbert A. Sanford, 1960
Richard O. Hommel, 1976	Franklin M. Townsend, 1975
Felix S. Huot, 1967	Woldemar A. Weyl, 1972
Herbert Insley, 1950	Clyde M. Whittaker, 1956

### **Chapter Officers.**

<i>1948-49</i>		<i>1949-50</i>	
Pres.	Richard M. Smith	David C. Skelly	
V.P.	Richard F. Urban	Clarence W. Whitlow	
Sec.	Donald F. Stock	Stewart A. Claypoole	
Treas.	Charles E. Brackbill	William S. Franklin	
Her.	David C. Skelly	Stephen Slosarik	
Adv.	Frederick R. Matson	Frederick R. Matson	
<i>1950-51</i>		<i>1951-52</i>	
Pres.	Stephen Slosarik	John B. Whitney	
V.P.	W. H. Rice	Edward M. Ricci	
Sec.	Robert Turrissini	Walter A. Boyce	
Treas.	Carl R. Hoffman	Edward A. Bush	
Her.	G. D. Kelly	Donald E. Harrison	
Adv.	Frederick R. Matson	Frederick R. Matson	

	1952-53		1953-54
Pres.	John R. Wilson		Thomas I. Prokopowicz
V.P.	Donald E. Harrison		
Sec.	Thomas I. Prokopowicz		Richard Vidanoff
Treas.	Edward A. Bush		Edward C. Henry
Her.	William J. Englert		William J. Englert
Adv.	Frederick R. Matson		Edward C. Henry
	1954-55		1955-56
	<i>1954-55 and 1955-56 chapter inactive due to low enrollment.</i>		
	1956-57		1957-58
Pres.	Edward A. Bush		Edward A. Bush
V.P.	Robert J. Ryder		Robert J. Ryder
Sec.	G. Sherwood Smith		Richard P. Davis
Treas.	G. Sherwood Smith		G. Sherwood Smith
Her.	Arthur L. Dorf		Lawrence J. Cisek
Adv.	Roy G. Ehman		Roy G. Ehman
	1958-59		1969-60
Pres.			Charles L. Booth
V.P.	(Inactive)		Daniel R. Stewart
Sec.			Werner F. Bush
Treas.			Raymond K. Reeder, Jr.
Her.			
Adv.	Roy G. Ehman		Roy G. Ehman
	1960-61		1961-62
Pres.	Eric R. Kreidler		Charles E Houck
V.P.	Gary K. Bergholtz		Sari Kurtosy
Sec.	Jesse J. Brown, Jr.		Richard E. Tressler
Treas.	Ronald L. Beatty		Richard Krouse
Her.			John Fox
Adv.	Guy E. Rindone		Guy E. Rindone
	1962-63		1963-64
Pres.	Richard E. Tressler		George M. Ballog
V.P.	Donald A. Kenagy		James F. Sproull
Sec.	Paul J. Savolskis		Charles D. Greskovich
Treas.	George M. Bollog		Joseph D. Barricella
Her.	Gerald Q. Weaver		John J. Miller, Jr.
Adv.	Guy E. Rindone		Guy E. Rindone
	1964-65		1965-66
Pres.	Gary W. Weber		Richard Schweinberg
V.P.	Mathew P. Kristoff		Robert W. Wolfe
Sec.	Robert W. Wolfe		James Dudash
Treas.	John J. Miller, Jr.		Edward W. Tokarsky
Her.	Richard Schweinberg		Robert W. Blackham
Adv.	Guy E. Rindone		Guy E. Rindone

*1966-67*

Pres. Edward W. Tokarsky  
 V.P. Gerald L. Hixson  
 Sec. Dennis S. Postupack  
 Treas. Nick P. Palmisiano  
 Her. Albert L. Treusch  
 Adv. Guy E. Rindone

*1968-69*

Pres. John A. Kaniuk  
 V.P. Richard E. Wright  
 Sec. Kenneth B. Tanner, Jr.  
 Treas. John A. Parrish  
 Her. Milivoj K. Brun  
 Adv. Guy E. Rindone

*1970-71*

Pres. Paul F. Robertson  
 V.P. Stephen C. Hartline  
 Sec. William J. Minford  
 Treas. Lee E. Trimble  
 Her. James M. Lukacs  
 Her.  
 Adv. Guy E. Rindone

*1972-73*

Pres. Larry Beyer  
 V.P. George J. Garopée  
 Sec. Jo Ann Spiers  
 Treas. Ralph A. Langensiepen  
 Her. (F) David M. Kotchick  
 Her. (S) Bruce E. Bertsch  
 Adv. Guy E. Rindone

*1974-75*

Pres. Isabel Knowlton  
 V.P. David C. Cranmer  
 Sec. Jere Fiyalko  
 Treas. Diane Krasinski  
 Her. Paul J. Musiol  
 Adv. Richard E. Tressler

*1976-77*

Pres. John R. Hellmann, Jr.  
 V.P. John Bowen  
 Sec. Joann S. Waldman  
 Treas. Paul H. Conley  
 Her. David R. Monahan  
 Adv. Richard E. Tressler

*1967-68*

Dennis S. Postupack  
 Edward L. McKinley  
 Nick P. Palmisiano  
 Richard E. Wright  
 Robert L. Ure  
 Guy E. Rindone

*1969-70*

John A. Parrish  
 D. David Blistan  
 Allen D. Davis, Jr.  
 Paul F. Robertson  
 Milivoj K. Brun  
 Guy E. Rindone

*1971-72*

Lee E. Trimble  
 James M. Lukacs  
 William Tasker  
 Thomas Hollenbeck  
 (F) George J. Gardopée  
 (S) David Michaels  
 Guy E. Rindone

*1973-74*

Jerry Osele  
 Thomas M. Yonushonis  
 Francis Merti  
 Isabel Knowlton  
 David Metz  
 David Metz  
 Richard E. Tressler

*1975-76*

David C. Cranmer  
 John R. Hellmann, Jr.  
 Joann S. Waldman  
 Russell Yeckley  
 Bernard J. Busovne  
 Richard E. Tressler

*1977-78*

David R. Monahan  
 Greg Corman  
 Bredan M. Burns  
 Joseph L. McKee  
 Steven M. Weiser  
 Richard E. Tressler

## SOUTH CAROLINA CHAPTER\*

### CLEMSON UNIVERSITY

#### at Clemson

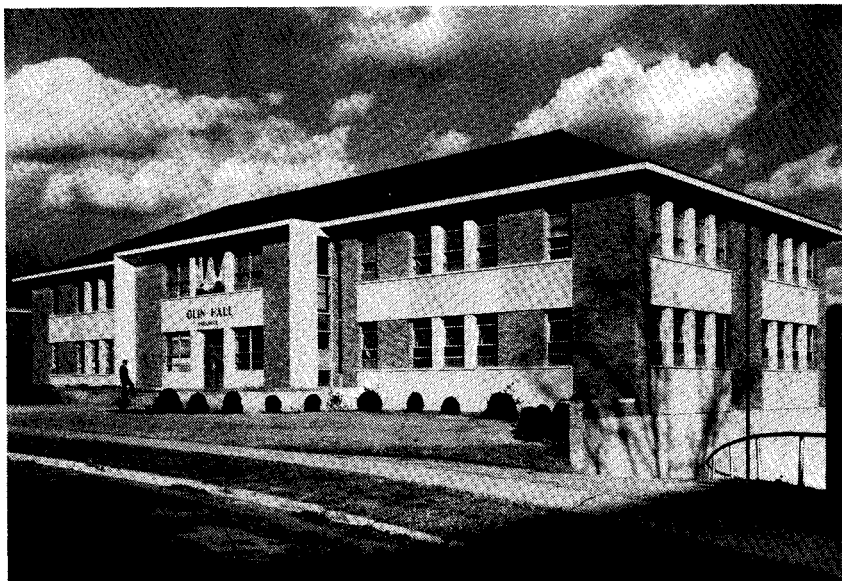
### THE UNIVERSITY

In the foothills of the Blue Ridge Mountains is located the town and university of Clemson. They are named for Thomas Green Clemson, son-in-law of South Carolina's distinguished statesman, John C. Calhoun. Most of Calhoun's estate was bequeathed to the school. Included was "Fort Hill," Calhoun's home. It contains much of the original furnishings, many of historical interest. It is open to the public.

Clemson Agricultural College was founded in 1889 by its namesake but did not formally open until 1893. Surprisingly, it was reported that the initial enrollment was 446 students. Later the name was shortened to Clemson College. By the 1960s the college had outgrown its name and was designated Clemson University. It has become a many faceted institution with strong emphasis on the sciences and their applications. It is coeducational, land-grant and state supported. The enrollment approximates 10,000 students.

### CERAMIC ENGINEERING

Ceramic raw materials abound in South Carolina. These coupled with



Olin Hall, the Ceramic Engineering Building, 1953. A gift from the Olin Foundation. (Courtesy Clemson University)

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\* *Developed from the History of South Carolina Chapter of Keramos prepared by the South Carolina Chapter, 1977.*

the post World War II industrial expansion of the South prompted the interest of Dr. R. F. Poole, President, R. M. Cooper, Chairman of the Board of Trustees, and S. B. Earele, Dean of Engineering, Clemson College, in a ceramic program. Acting on the recommendation of A. F. Greaves-Walker of North Carolina State College, Gilbert C. Robinson, one of his graduates, was selected (fall, 1946) to organize a department of ceramic engineering. The first two years were devoted largely to procurement of facilities and developmental studies. Some instruction was given in 1947; however, the degree program was not offered until January 1949. The first graduate was Harold E. Bishop, June 1951.

The department's growth was quite phenomenal, particularly when compared with the painfully slow growth of other departments around the country. Staff has grown and the scope of activities has broadened. The curriculum is fully accredited.

**Faculty.** There has been but one department head, Gilbert C. Robinson, the founder. A partial list of present and past faculty members would include

Roy E. Bickelhaupt	Samuel F. Hulbert
William B. Campbell	Henry G. Lefort
William W. Coffeen	Theodore D. Taylor
Charles C. Fain	Hugh H. Wilson, Jr.

## KERAMOS

**South Carolina Subchapter.** Not long after the chartering of the Georgia Chapter (April 1950) an informal subchapter arrangement for Clemson students was made with the Georgia Chapter. As a first, a joint black-tie initiation was held on the Georgia Tech campus, April 12, 1952. The Clemson initiates were:

George J. Bishop III	Karl Nelson
Henry G. Lefort	Richard G. Rion

The Clemson faculty members present were Roy E. Bickelhaupt (Ill.) and Gilbert C. Robinson (N.C.). (For photograph see Georgia Chapter section, this volume.)

A second initiation was held by the Georgia Chapter for the Subchapter on May 23, 1956. The Clemson initiates were:

James E. Barton	T. Gordon Godfrey, Jr.
Joseph F. Edwards	Norris A. Hooten
Wilbur K. Enos, Jr.	James F. Thomason
Charles C. Fain	Bonum S. Wilson

**Clemson Ceramic Club.** In the fall of 1956 the Clemson Ceramic Club was organized. Its constitution and bylaws, patterned after those of Keramos were unanimously approved at a meeting of eligible persons on November 13, 1956. Under date of January 16, 1957, the Office of Student Affairs of Clemson College certified the Club as a registered student club. These and other documents were assembled and used as the basis for a

formal petition for a charter from Keramos. By April, 1957 copies had reached the national officers and received quick approval. Unfortunately copies to several of the chapters were lost in the mail. Summer vacations interfered so it was fall before all was in order.

**Installation.** A Georgia Chapter initiation team under the direction of Dr. Lane Mitchell, Grand Herald, performed the installation on January 10, 1958. The installation and presentation of the charter took place on the Clemson campus. The banquet was held in Anderson, S. C.

**Charter Members.** The chapter petitioners and charter members of the South Carolina Chapter were:

James E. Barton	T. Gordon Godfrey, Jr.
Joseph F. Edwards	Norris A. Hooten
Wilbur K. Enos, Jr.	Bonum S. Wilson

All were nonresident active members of the Georgia Chapter and of the South Carolina Subchapter. Faculty members present with their respective chapter affiliations were:

Charles C. Fain (Ga.)  
 Gibert C. Robinson (N.C.)  
 Hugh H. Wilson, Jr. (N.C.)

Members of the Clemson Ceramic Club who joined between the petitioning and installation dates were:

Hugh P. Harbin  
 Frank M. Moore  
 Thomas Murray

**Activities and Projects.** The chapter members have initiated and carried out many projects. Among them the following warrant recording.

1. Sponsorship, in cooperation with the Student Branch of the A.C.S., social functions such as the departmental picnics.
2. An annual Keramos Merit Award to each of the outstanding rising junior and senior in ceramic engineering.
3. Organize and conduct tours of Olin Hall for the benefit of visitors.
4. Procure and present books of merit to the Ceramic Library and general maintenance of the library.
5. Accumulate and have bound periodicals of lasting interest in ceramics for the library.
6. Assemble material of interest to seniors in connection with job interviews.

7. Maintenance of a file on the ceramic industries of the Southeast.

**Honorary Members.** In respect to the election of outstanding contributors to the ceramic engineering profession and/or the ceramic industries, the Chapter has not followed the maxim of A. F. Greaves-Walker. Only two have been elected:

E. Avery Williams, Jr. 1966  
 Loran S. O'Bannon 1969.

**Chapter Officers.***Spring 1958*

Pres. T. Gordon Godfrey  
 V. P. Thomas Murray  
 Sec. Hugh H. Harbin  
 Treas. (F) James E. Barton  
 Treas. (S) Joseph T. Bailey  
 Her. Frank Moore  
 Adv. Gilbert C. Robinson

*1959-60*

Pres. Allen P. Sloan, Jr.  
 V.P. James Floyd  
 Sec. Alexander Corpening  
 Treas. Donald Salley  
 Her. Travis Sanders  
 Adv. Gilbert C. Robinson

*1961-62*

Pres. Jimmy C. Brownlee  
 V.P. Bob Griffith Coleman  
 Sec. Timothy A. Clancy  
 Treas. Charles L. Jones  
 Her. James L. Welborn  
 Adv. Gilbert C. Robinson

*1963-64*

Pres. David W. Moorhead  
 V.P. William M. Caswell  
 Sec. Virgil Irick, Jr.  
 Treas. Richard A. Pregnall  
 Her. William F. Miley, Jr.  
 Adv. Gilbert C. Robinson

*1965-66*

Pres. Allen M. Hobbs  
 V.P. James C. Frederic, Jr.  
 Sec. James E. Williamson, Jr.  
 Treas. John F. Duncan  
 Her. Denis A. Brosnan  
 Adv. Gilvert C. Robinson

*1967-68*

Pres. Richard R. Reese  
 V.P. David T. Ballenger  
 Sec. William D. Faust  
 Treas. Leonard A. Senerote  
 Her. Charles N. Wilson  
 Adv. Gilbert C. Robinson

*1958-59*

Hal N. Craig  
 R. Bruce McLees  
 Donald J. Cassidy  
 Joseph T. Bailey  
 Joseph T. Bailey  
 John D. Sease  
 Gilbert C. Robinson

*1960-61*

Jerry Shore  
 Robert Reese  
 Robert Polk  
 James Marvin  
 Harvey Newton  
 Gilbert C. Robinson

*1962-63*

Kennerly S. Thornburg  
 Charles H. Coggin, Jr.  
 David W. Moorhead  
 Maxwell K. Spear, Jr.  
 Benjamin P. Reese  
 Gilbert C. Robinson

*1964-65*

William F. Miley, Jr.  
 Virgil Irick, Jr.  
 John P. Harmon  
 Allen M. Hobbs  
 Richard A. Pregnall  
 Gilbert C. Robinson

*1966-67*

Donald L. Hindman  
 Denis A. Brosnan  
 John F. Duncan  
 Allen M. Hobbs  
 James C. Frederic, Jr.  
 Gilbert C. Robinson

*1968-69*

Harry P. Adams  
 Charles N. Wilson  
 John M. Burns  
 J. Allen Carroll  
 Charles R. Reese  
 Gilbert C. Robinson

*1969-70*

Pres. John H. Johnson  
 V.P. A. Lamar Campbell, Jr.  
 Sec. Davis C. Walker  
 Treas. Charles N. Wilson  
 Her. William F. Brandt  
 Adv. Gilbert C. Robinson

*1971-72*

Pres.  
 V.P.  
 Sec.  
 Treas.  
 Her.  
 Adv.

*1973-74*

Pres. Dave Causey  
 V.P. Scott Frame  
 Sec. Rick Moore  
 Treas. Allan C. Ferguson  
 Her. Rick Moore  
 Adv. Gilbert C. Robinson

*1975-76*

Pres. William C. Moore, Jr.  
 V.P. John C. Wells  
 Sec. Anthony G. Mollica, Jr.  
 Treas. Andrew J. Falatok  
 Her. Michael F. Grether  
 Adv. Gilbert C. Robinson

*1977-78*

Pres. Douglas R. Hippler  
 V.P. Robert C. Akin  
 Sec. William Grabb  
 Treas. Henry N. Calhoun  
 Her. Timothy M. Robinson  
 Adv. Gilbert C. Robinson

*1970-71*

Lynn B. Starling  
 A. Lamar Campbell, Jr.  
 Walter P. Belouin  
 Vernon W. Moore, Jr.  
 John W. Johnson  
 Gilbert C. Robinson

*1972-73*

James P. Bennett  
 Rick Myers  
 Tom Landon  
 R. Wayne Green  
 Terryl Peace  
 Gilbert C. Robinson

*1974-75*

Peter Stevens

Gilbert C. Robertson

*1976-77*

Michael F. Grether  
 Donald B. Atwell  
 Temple O.J. Ananaba  
 Douglas R. Hippler  
 Prince B. Eleazer, III  
 Gilbert C. Robinson

## THE TEXAS CHAPTER THE UNIVERSITY OF TEXAS at Austin

### THE UNIVERSITY

The University of Texas has its main campus in Austin and branches in four other cities. A publicly supported institution, it was chartered in 1881 and opened in 1883. It is one of the largest and more important educational centers of the South. The Austin campus alone has an enrollment of more than 40,000. Its library ranks tenth in size of the nation's university libraries and houses in excess of 3,300,000 volumes.

### CERAMIC ENGINEERING

**Early Activities.** Sometime before 1931 technical ceramic studies were undertaken for in that year it was reported in the February American Ceramic Bulletin that the University's Bureau of Industrial Chemistry had a laboratory for treating clays. Also, earlier work soon to be published contained statistics on the Texas ceramic industries, discussions of "properties and methods of working clays" and a complete report of clay tests made in the laboratory including their significance.

In 1940 the Bureau established the Division of Ceramics. Forrest K. Pence (BS Ohio Northern Univ. 1903; BA 1907 and BCer 1909 Ohio State Univ.), past President (1921-22) American Ceramic Society and charter member of the National Institute of Ceramic Engineers was selected as director. In November, 1942, three years before authorization of the Ceramic Engineering Department, a Student Branch of the American Ceramic Society was chartered.

**The Department.** By 1945 the ceramic program had grown to the level that Pence recommended the establishment of an instructional program closely allied to the research and development activity. The Texas Clay Products Manufacturers appeared before the Board of Regents gaining that body's endorsement which resulted in the establishment of the Department of Ceramic Engineering. As previously noted, the Student Branch of the American Ceramic Society had been formed three years earlier. The first degrees were awarded in 1948 to Stanley F. Cooper, Lewis W. Mims and Rodney A. Roques, the latter becoming one of the charter members of the Keramos Chapter. Shortly thereafter the curriculum was accredited by the Engineers' Council for Professional Development.

**Distinguished Faculty.** Besides the remarkable F. K. Pence later appointments included William H. Earhart (BChE 1937, MSCerE 1936 and PhD 1939 Ohio State Univ.), Melvin A. Nobles (BA Abilene Christian Col. 1938, BSChE Texas Tech. Col. 1940 and PhD Univ. of Texas 1945), E. Joseph Weiss (BCerE 1944, MS 1945 and PhD 1949 Ohio State Univ.) and Robert L. Stone (BSCerE 1939 Univ. of Missouri-Rolla 1934, MSCerE N. C. State Univ. 1936 and PhD Ohio State Univ. 1951).

**Department Chairmen:**

Forrest K. Pence, founder, 1945-51

Robert L. Stone, 1951-59

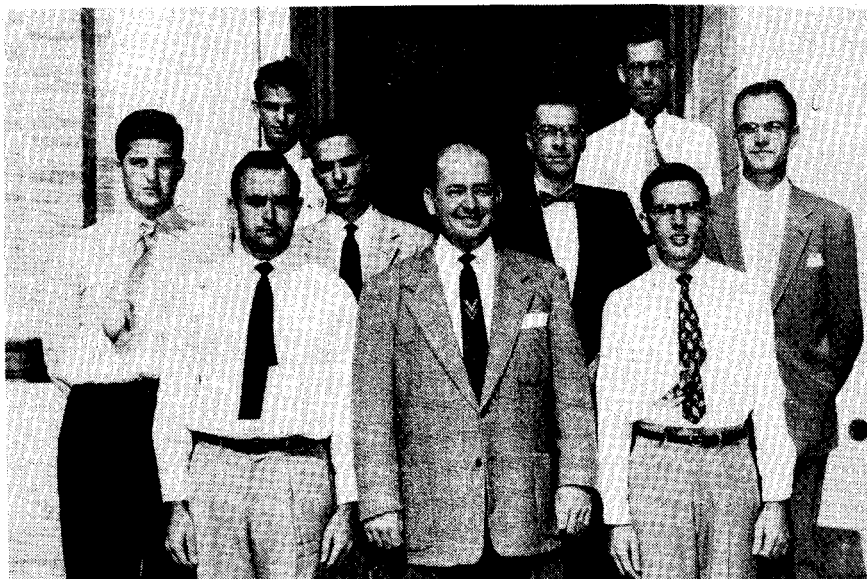
E. Joseph Weiss, 1959-60

**KERAMOS**

**Events Prior to Chartering.** Just prior to the chartering of the Student Branch of the American Ceramic Society, 1942, Professor Pence wrote for and received information concerning the establishment of a chapter of Keramos. Inasmuch as a ceramic engineering degree program had not been established formation of a chapter was not possible under Keramos' constitution. At the Fraternity's 1952 Convocation, Grand President Mitchell noted the possibility of a chapter being established at Texas.

In the fall of 1954 The Arcilla Society was organized by students of ceramic engineering. Its constitution and bylaws were patterned closely on those of Keramos. On October 4, The Arcilla Society was formally recognized as a student organization by the University. Ten days later a petition for a chapter of Keramos was submitted. By December the Executive Council of Keramos had approved the petition and forwarded it to the chapters. Final approval was given in early spring.

**Chapter Installation.** On April 25, 1955, at the Netherland-Plaza Hotel, Cincinnati, Ohio, The Arcilla Society became the Texas Chapter of Keramos. The installation ceremony was conducted by the national officers, viz. Pres. H. J. Beckemeyer, Vice Pres. J. H. Koenig, Sec. J. I. Mueller°, Treas. S. R. Scholes and Herald W. W. Kriegel.



Charter Members (l.-r.): R. Shield, T. H. Ramsey, R. E. Williams, R. A. Roques, J. C. Donley, E. J. Weiss, J. O. Whitley, J. D. Croslin and R. L. Stone. (Courtesy Texas Chapter)

**Charter Members.** The petitioners became the charter members of the Texas Chapter. They were

John D. Croslin	Jack O. Whitley
John C. Donley	Robert E. Williams
Thomas H. Ramsey	Robert L. Stone (Faculty, Ill.'34)
Rodney A. Roques	E. Joseph Weiss (Faculty, Ill.'44)
Richard Shield	

**Chapter Officers.**

	1954-55	1955-56
Pres.	John C. Donley	John D. Croslin
V.P.	Thomas H. Ramsey	Robert E. Williams
Sec.	Richard Shield	Madison W. Reed, Jr.
Treas.	Jack O. Whitley	Rodney A. Roques
Her.	Robert E. Williams	Robert L. Stone
Adv.	Robert L. Stone	Robert L. Stone
	1956-57	1957-58
Pres.	John N. Dexter	Kenneth L. Schlaudt
V.P.	John D. Croslin	
Sec.	Kenneth L. Schlaudt	James L. McAlpin
Treas.	Robert E. Williams	
Her.	Roland H. Adams	
Adv.	Robert L. Stone	Robert L. Stone
	1958-59	1959-60
Pres.	Lang Martin, Jr.	
V.P.		
Sec.		
Treas.		
Her.		
Adv.	Robert L. Stone	E. Joseph Weiss

**Chapter Deactivation.** During the spring of 1960 the administration of the University discontinued the ceramic engineering degree program incorporating the courses into an engineering science program as part of the Chemical Engineering Department. On learning of this decision the Keramos Executive Council felt impelled to take action. This was done with great reluctance. The Council's minutes of April 23, 1960, show in part "because the degree in ceramic engineering will no longer be offered at the University of Texas, and because of inactivity of the Texas Chapter, the charter will be withdrawn and the Chapter declared inactive (Article 3, Section 1 of the bylaws)."

## THE VIRGINIA CHAPTER\*

### VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY at Blacksburg

#### THE UNIVERSITY

The story of the Virginia Polytechnic Institute and State University really began in 1862 when President Abraham Lincoln signed the Morrill Land Grant Act into law.

Dr. Harvey Black and the Rev. Peter Whisner were trustees of a small and failing Methodist school, the Preston and Olin Institute, located in Blacksburg. They decided to convince the Virginia legislature, then hopelessly deadlocked over the disposition of the land-grant money, to locate the proposed new college in Blacksburg. After discussions with State Senator John E. Penn and Delegate Gabriel C. Wharton, it was decided to offer to the state the Preston and Olin Institute property and a \$20,000 donation from Montgomery County. In March 1872 the offer was accepted and Governor Gilbert C. Walker signed the bill chartering the Virginia Agricultural and Mechanical College at Blacksburg.

The first 20 years of the new college were filled with difficulties, confusion and political interference. In 1896 the words "Polytechnic Institute" were added to the name. The college became popularly known as "Virginia Tech." "Agricultural and Mechanical College" was dropped in 1944 and the legal name became Virginia Polytechnic Institute. The 1970 legislature again changed the name this time to Virginia Polytechnic Institute and State University, more accurately reflecting the institution's scope. Instruction is offered in seven academic colleges and more than 50 departments. It is coeducational, land-grant and state supported and has strong research and extension divisions.

#### CERAMIC ENGINEERING

**The Department.** John W. Whittemore<sup>o</sup> came to Virginia Tech from Louisiana State University in November 1928 to establish a ceramic engineering department. In 1952 when Dr. Whittemore became Dean of Engineering, direction of the department was taken over by Professor Paul S. Dear. Because of small enrollment the identity of the department was lost in 1966 when it was blended with metallurgy to form the present Materials Engineering Department. Dr. William C. Hackler returned to his alma mater in 1967 to head the Ceramic Division. After his untimely death in 1975, direction of the Division was absorbed by the department head, Dr. Chester W. Spencer.

Other faculty members, past and present, that should be noted were:

Godfrey M. Boyd

D.P.H. Hasselman

Jesse J. Brown, Jr.

William H. McKenny

Henry R. Forkner

Lyle H. Slack

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\* Based on information prepared by Professor Henry R. Forkner, 1977.

## KERAMOS

**Virginia Subchapter.** The Executive Council of Keramos authorized the Virginia Subchapter in 1938. Professor Whittemore was designated as the Council's representative. Though no members were taken into the Fraternity through this channel, it was the impetus for the formation of the local Virginia Ceramic Fraternity.

In January the members of the Virginia local petitioned the Keramos Executive Council for a charter. Approval by the Council and the active chapters was granted without delay.

**Installation.** The total active and faculty membership of the North Carolina Chapter journeyed to Blacksburg for the occasion. The initiation ceremonies were performed by the N. C. Chapter officers who were:

Frank P. Sabol, President  
James N. Smith, Jr., Vice President  
Gilbert C. Robinson, Secretary  
Charles M. Gattis, Jr., Treasurer  
Stephen W. Derbyshire, Herald

Grand Herald A.F. Greaves-Walker read the proclamation and Grand Vice-Pres. Robert F. Sherwood presented the charter. Following a meeting of the new Virginia Chapter all were entertained to a banquet at the Faculty Club. The North Carolina group returned to Raleigh. That was a long March 2, 1940.

### **Charter Members.**

John A. Bailey, Jr.	Wade H. Hitt
Paul S. Dear	Oscar J. Parker
John E. Funnell	Lee A. Rhodes
Keith S. Haff	

### **Honorary Members.**

Carroll B. Kay 1973  
Victor V. Kelsey 1953  
Thomas C. Vaughan 1948

### **Chapter Officers.**

	<i>Spring 1940</i>	<i>1940-41</i>
Pres.	Oscar J. Parker	Keith S. Haff
V.P.	Lee A. Rhoades	John E. Funnell
Sec.	Keith S. Haff	Heywood J. Knighton
Treas.	John E. Funnell	Raymond C. Womeldorph
Her.	John A. Bailey, Jr.	Robert M. Taylor, Jr.
Adv.	John W. Whittemore	John W. Whittemore

	1941-42	1942-43
Pres.	Heywood J. Knighton	
V.P.	Raymond C. Womeldorph	
Sec.	Godfrey M. Boyd	William H. McKenny
Treas.	William C. Hackler	
Her.	Alfred W. Allen	
Adv.	John W. Whittemore	John W. Whittemore
	<i>1943-46 chapter inactive because of World War II.</i>	
	1946-47	1947-48
Pres.	William C. Hackler	Henry R. Forkner
V.P.	Beverly L. Givens	
Sec.	William H. McKenney	John H. Kroehling
Treas.	Godfrey M. Boyd	
Her.	(F) Benson Zweig	
Her.	(S) Henry R. Forkner	
Adv.	John W. Whittemore	John W. Whittemore
	1948-49	1949-50
Pres.	Edward J. Meredith	Sylvester A. Vitolo
V.P.	William H. Wheeler	Hugh C. Young
Sec.	George W. Gray	Robert S. Thompson
Treas.	George W. Gray	Hamilton O. Meriwether
Her.	Robert M. Pinkham	
Adv.	Henry R. Forkner	Henry R. Forkner
	1950-51	1951-57
Pres.	Frank H. Boone	Chapter Inactive.
V.P.		Reactivated Spring, 1958.
Sec.	Ernest R. Glabau	
Treas.		
Her.		
Adv.	Henry R. Forkner	
	Spring 1958	1958-59
Pres.	John W. Neidhardt, Jr.	John W. Neidhardt, Jr.
V.P.	Ronald A. Russell, Jr.	Ronald A. Russell, Jr.
Sc-Tr.	Sandra H. Warren	Sandra H. Warren
Adv.	Henry R. Forkner	Henry R. Forkner
	1959-61	
	Chapter Inactive.	
	1961-62	1962-63
Pres.	Chapter was active.	Emile L. Reed III
V.P.	(Names not reported)	Thomas G. Stroyan
Sec.		Vernon C. Gross, Jr.
Treas.		Henry R. Forkner
Her.		W. B. Gibbs, III
Adv.		Henry R. Forkner

*1963-64*

Pres. Herbert K. Gilliam  
 V.P. Danny R. Mills  
 Sec. Robert F. Hogsett  
 Treas. Henry R. Forkner  
 Her. Donald L. Preas  
 Adv. Henry R. Forkner

*1965-66*

Pres. Wayland L. Moore  
 V.P. Christian D. Talbot  
 Sec. Julio C. Ohep  
 Treas. Henry R. Forkner  
 Her. George H. Williams  
 Adv. Henry R. Forkner

*1967-68*

Chapter was active.  
 (Report lost)

*1969-70*

Pres. James M. Fields, Jr.  
 V.P. Paul R. Eusner  
 Sec. Cullen L. Hackler  
 Treas. Thomas E. Clatfelter  
 Her. Edward W. Rilee, Jr.  
 Adv. Henry R. Forkner

*1971-72*

Pres. Cullen L. Hackler  
 V.P. Timothy L. Reed  
 Sec. David A. Moxon  
 Treas. Thomas E. Clatfelter  
 Her. Edward W. Rilee, Jr.  
 Adv. Henry R. Forkner

*1973-date*

Chapter inactive.

*1964-65*

H. W. Whately  
 John W. Neidhardt, Jr.  
 W. Richard Ott<sup>o</sup>  
 Henry R. Forkner  
 Fred C. Miller  
 Henry R. Forkner

*1966-67*

Melvin G. West  
 Wayland L. Moore  
 Christian D. Talbert  
 Henry R. Forkner  
 Julio C. Ohep  
 Henry R. Forkner

*1968-69*

Chapter was active.  
 (Names not reported.)

*1970-71*

Chapter was active.  
 (Names not reported.)

*1972-73*

Richard Baylor, Jr.  
 David P. Stinton  
 Carl S. Edwards  
 Henry R. Forkner  
 David A. Moxon  
 Henry R. Forkner

## WASHINGTON CHAPTER\*

### UNIVERSITY OF WASHINGTON

#### at Seattle

#### THE UNIVERSITY

Washington Territory was established by an act of the Congress and signed into law by President Millard Fillmore on March 2, 1853. At that time there were only two permanent settlements in the Puget Sound region. The younger of the two was named Seattle after Chief Sealth. Seattle was settled in the winter of 1851-52, platted in 1853 and had its one Indian war in 1856.

After some political skirmishing the legislature on January 11, 1861, selected Seattle for the location of the Territorial University of Washington. Seattle's population had reached 125.

The site of the first campus, a 12-acre, timbered knoll behind the village, was donated by three community leaders. Work started at once. The school opened on November 4, 1861, to 30 students. The following summer Asa Mercer, president, faculty and janitor, traveled by Indian canoe to the towns and logging camps on Puget Sound seeking students. He doubled the enrollment for the next year. During the 1860s and 70s the school was forced to close several times for lack of appropriations.

Washington became the 42nd State in 1889. The university was re-named accordingly. By then it was becoming crowded and the land valuable. A move to a larger and more remote site seemed advisable. A 600-acre tract some four miles distant was secured. The cornerstone of the first building was laid in 1894. By 1905 the university had three permanent buildings hidden in a wilderness. More were needed.

At about this time the audacious citizens of Seattle proceeded to organize a world's fair, the Alaska-Yukon-Pacific Exposition. The legislature approved the request to hold the exposition on the campus and appropriated funds for four permanent buildings. The exposition was a great success. When over the university had acquired 20 buildings and a beautifully landscaped campus.

Today the university's enrollment approximates 37,000. Its library ranks 19th in the nation's university libraries and houses more than two million volumes. It has developed notable schools of medicine and engineering and has gained prominence in many areas of research.

The university still owns the original campus site, now the center of the metropolis. Ownership has proven to be a lucrative source of funds.

#### CERAMIC ENGINEERING

The large variety of clays found in the Northwest made possible the early establishment of a clayworking industry. Building products were

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\* *Adapted from 25 Years of Keramos at the University of Washington, prepared by Paul Hanks, Chapter Herald, 1977.*

produced widely even in this timber country. The industry had a substantial growth during the first two decades of the 20th century.

The first ceramic course was offered by the university in 1909. It carried a metallurgy number but was titled "Clay Testing" later changed to "Refractories".

**Establishment of the Department.** During this period industry began to agitate for technical assistance by the university. In response Dr. L. A. Lyon of the Northwest Experiment Station of the U. S. Bureau of Mines and Dean Milnor Roberts of the College of Mines became the active promoters of a department of ceramic engineering. In 1918 the department was created within the College of Mines under a cooperative agreement between the Bureau and the university. The director of the ceramic work was to be given academic rank and was to act as consulting ceramist for the Bureau. Supporting personnel and facilities were included in the agreement.

Ira A. Williams who had had experience in these matters at Iowa State College and Oregon State College, was engaged from the Oregon State Bureau of Mines. He began the organization of facilities and published a curriculum in the 1918-19 catalog. At the end of the year he returned to his Oregon position and Hewitt Wilson became his successor.

During the next 20 years the department remained very small. Extensive investigations of the ceramic resources were carried on. For several years the Washington State Geological Survey became a third partner, performing much of the field work.

**Accreditation.** The department's curriculum and undergraduate program was one of the first six to gain accreditation by the Engineers' Council for Professional Development in 1937. Accreditation has been maintained continuously.

**Administrative Changes.** When Dean Roberts retired in 1947 the College of Mines was renamed the School of Mineral Engineering and absorbed by the College of Engineering. The three former departments of Mining, Metallurgical and Ceramic Engineering lost much of their autonomy. In 1950 each of the three disciplines were designated as divisions. As the result of another reorganization in 1968 the School was renamed the Department of Mining, Metallurgical and Ceramic Engineering. The division designations were retained and further autonomy regained. There have been no changes in degree names.

**Ceramic Division Growth.** The growth pattern since World War II has been quite different from those of other institutions. Undergraduate enrollment increased only slightly immediately following the war. Correspondingly there was little shrinkage during the early 1950s. In 1954 the Division mounted an intensive campaign for new students. A very substantial gain was achieved in undergraduate enrollment.

The 1960s was a period of large expansion in the graduate program developed mainly through sponsored research. This activity has continued to grow.



Roberts Hall, the Home of the Ceramic Engineering Division. (Courtesy University of Washington)

#### **Department or Division Heads.**

Ira A. Williams, 1918-1919

Hewitt Wilson, 1919-1939

Carl H. Zwermann, 1939-41 and 1946-48

Joseph A. Pask, 1941-43

Peter D. Johnson, 1948-1951

James I. Mueller, 1951-date

**Other Faculty.** A list of supporting faculty, past and present, would include the following:

Robert J. Campbell, Jr.

David B. Fishbach

J. R. Gedvetz

Alvin E. Gorum

George Irely

Clyde McNeilly

Allan D. Miller

Edward E. Mueller

William D. Scott

Thomas S. Shevlin

Jerry E. Turnbaugh

Osgood J. Whittemore, Jr.

### **KERAMOS**

**Early Subchapter.** The Washington Subchapter was among the first to be established. In 1933 Hewitt Wilson accepted the appointment as representative of the Executive Council. Gordon Adderson and George J. Middleton were elected to membership through this procedure.

**Charter Petition.** If a chapter can have a father then that appellation belongs to James I. Mueller. He was a principal organizer, charter member and first president (1947-48) of the Missouri Chapter. On completion of his doctoral work at Rolla he joined the faculty of the University of

Washington in 1949. It is hardly a coincidence that the Professional Ceramists Club was organized during his first winter in Seattle and a petition for a Keramos charter was submitted in March of 1950. However, it was coincidental with the U.S. Department of Education's incorrect announcement of an impending large surplus of engineers. The latter caused a hesitation on the part of Keramos' Executive Council, the members not realizing that the ceramic enrollment at Washington was increasing not decreasing. The end result was a year's delay in granting the charter.

**Subchapter of the Missouri Chapter.** The Professional Ceramists Club became a subchapter of the Missouri Chapter. Seven members of the Club were initiated into Keramos by the chapter May 23, 1951. The initiates were:

Fennimore N. Bradley	Frank C. Erzen
Harold P. Cahoon	Howard A. McDonald
William R. Carroll	Roger R. Riley
	Utterakara Varavarn

**Chapter Installation.** Early in 1952 the Washington Chapter was authorized. Formal installation took place at the William Penn Hotel in Pittsburgh, PA on April 30, 1952. The installation was performed by the Grand Officers: President Lane Mitchell, Vice President Harry W. Thiemecke, Secretary Harry J. Beckemeyer and Treasurer Samuel R. Scholes. Grand Herald Greaves-Walker was absent because of illness. The recipients of the charter were R. J. Campbell, Jr., J. R. Dore, H. A. McDonald, J. I. Mueller and H. E. Shapiro. It was directed that the original petitioners and those who were elected before the charter granting were deemed to be charter members.

#### **Charter Members.**

Students:

Fennimore N. Bradley	Jack D. Pittman
Harold P. Cahoon	Roger R. Riley
William R. Carroll	Harold E. Shapiro
James E. Dore	Donald R. Stenquist
Frank C. Erzen	W. Michael Sterry
John C. Horsfall	E. C. Stubba Rao
George M. Kepka	Bhayabhai H. Valia
Allan J. Kinder	Robert W. Van Fossen
Michael Kochanek	Utterakara Varavarn
	Charles Watt

Faculty:

Robert J. Campbell, Jr.	Howard A. McDonald
Peter D. Johnson	James I. Mueller



Charter Members of Washington Chapter. Front row: Watt, Dore, Riley, Horsfall; 2nd row: Kochanek, McDonald, Mueller, Carroll, Sterry, Erzen; 3rd row: Campbell, Pittman, Valia, Shapiro, Kinder, Kepka; Back row: Varavarn, Bradley, Stenquist, Cahoon, Stubba Rao. (Courtesy the Washington Chapter of Keramos).

**Major Projects and Activities.** Scattered through the Chapter's 25-year history have been a number of significant projects which the members feel illuminate the potentials inherent in Keramos. To illustrate the point the following were submitted:

Sponsorship of the annual Junior-Senior Banquet honoring graduating seniors.

The Outstanding Senior Award, a memorial to Richard Norris, an exceptionally well liked student who died before earning his degree. Established in 1957.

Establishment of a computer program for filing and sorting information on ceramic industries. Begun in 1975.

Instrumental in the computerization of the national membership lists of Keramos, 1967-69.

The Chapter has provided the initiative and/or the manpower which has kept the Division among the top of the organizations in the Engineering Open House. The Division has received top honors for the last three years.

An ongoing out-reach program to local high schools and two-year colleges continues to be productive.

The Chapter received the Keramos Board of Directors' Outstanding Chapter Award for the years 1967-68 and 1969-70.

**Honorary Members.**

Wolf Bauer, 1970	James J. Gangler, 1975
William O. Brandt, 1969	Clifford Houlahan, 1953
Edward S. Campbell, 1954	Fred B. Ortman, 1955
Ivan B. Cutler, 1961	Larry Penberthy, 1959
Probert W. Dager, 1958	Frank P. Reid, 1964
Laurence E. Ferreira, 1966	Milnor Roberts, 1957
John D. Fredricks, 1956	Daniel D. Wheeler, 1967

**Chapter Officers.***1952-53*

<i>Fall</i>		<i>Winter &amp; Spring</i>	
Pres.	W. Michael Sterry		Jack D. Pittman
V.P.	Bhayabhai H. Valia		Bhayabhai H. Valia
Sec.	Jack D. Pittman		Fennimore N. Bradley
Treas.	Howard E. Shapiro		E. C. Stubba Rao
Her.	Fennimore N. Bradley		Donald R. Stendquist
Adv.	James I. Mueller		James I. Mueller

*1953-54*

<i>Fall</i>		<i>Winter &amp; Spring</i>	
Pres.	W. Michael Sterry		James E. Shoffner
V.P.	Frederick H. Simpson		Jack D. Pittman
Sec.	Donald L. Layton		Jean E. Hodson
Treas.	E. C. Stubba Rao		Frederick H. Simpson
Her.	James V. Vogan		B.S.R. Sastry
Adv.	Edward E. Mueller		Edward E. Mueller

*1954-55*

Pres.	Frederick H. Simpson
V.P.	Robert R. Anderson
Sec.	Jean E. Hodson
Treas.	William P. Meuli
Her.	Robert F. Fornia
Adv.	Edward E. Mueller

*1955-56*

Robert R. Anderson
Carl G. Young
Carl G. Young
Richard V. Feaster
David F. Latta
Chan-huan Wang
Edward E. Mueller

*1956-57*

Pres.	Warren K. Stratten
V.P.	John F. DiLazzaro
Sec.	Robert J. Gandy, Jr.
Treas.	Clarence E. Nordquist
Her.	Jerry E. Turnbaugh
Adv.	Edward E. Mueller

*1957-58*

Allan D. Miller
Jack J. Avril
Lawrence D. Johnson
Frank E. Wagstall
Michael W. Matson
Edward E. Mueller

## 1958-59

Pres. Alan V. King  
 V.P. Frank E. Wagstaff  
  
 Sec. David J. Larin  
 Treas. Paul P. Kavadas  
 Her. Lawrence D. Johnson  
 Adv. Edward E. Mueller

## 1960-61

Pres. Martin B. Hanson  
 V.P. Edward Randklev  
 Sec. Katherine M. Olson  
 Treas. (F) Cameron Craig  
 (S) John F. Trauth  
 Her. Wayne Homestead  
 Adv. James I. Mueller

## 1962-63

Pres. Peter Beaupain  
 V.P. Robert D. Thorson  
 Sec. Benjamin T. Fellows  
 Treas. John Sipe  
 Her. John Nagrych  
 Adv. James I. Mueller

## 1964-65

Pres. Thomas Delimetros  
 V.P. John A. Merrow  
 Sec. J. Marc Bahl  
 Treas. Juris Verzemnieks  
 Her. Norman C. Anderson  
 Adv. James I. Mueller

## 1966-67

Pres. Donald C. Wadekamper  
 V.P. John Rusin  
 Sec. Allan H. Krabill  
 Treas. Dennis A. Stranik  
 Her. Ihan Aksay  
 Adv. Jerry E. Turnbaugh

## 1968-69

Pres. Allan T. Dull  
 V.P. Roy Okada  
 Sec. Derrille K. Thayer  
 Treas. Gordon A. Zeugner  
 Her. Douglas J. Calkins  
 Adv. Alan D. Miller

## 1959-60

Terry D. Gulden  
 (F) Irwin E. Reep  
 (S) John C. McGlenn  
 Mary E. Gulden (Breden)  
 Vere S. Thompson  
 Richard E. Lyon  
 James I. Mueller

## 1961-62

Patrick E. Hart  
 John F. Trauth  
 Michael J. Kuronen  
 Edward H. Randklev

Robert D. Thorson  
 James I. Mueller

## 1963-64

Mark W. Benecke  
 John J. Brennan  
 Richard L. Frederickson  
 Ricky R. Asamoto  
 Robert E. Schultz  
 James I. Mueller

## 1965-66

Dale Gerring  
 Donald C. Wadekamper  
 Thomas Ormiston  
 John Rusin  
 Daniel Leiser  
 Jerry E. Turnbaugh

## 1967-68

Curtiss C. Wright  
 C. Peter Becker  
 John Merrow  
 Roy Okada  
 James Sammis  
 Alan D. Miller

## 1969-70

David Humphries  
 Ronald Triff  
 Anita Fagan  
 Dale W. Hjort  
 Derrille K. Thayer  
 Alan D. Miller

*1970-71*

Pres. Ed Wilmot  
 V.P. Robert L. Strom  
 Sec. Bruce Hutchinson  
 Treas. Kenneth J. Rone, Jr.  
 Her. Robert W. Burns  
 Adv. Alan D. Miller

*1972-73*

Pres. Steven A. Andrews  
 V.P. Gordon R. Miller  
 Sec. Sue Hartman (Carr)  
 Treas. Karen Breed (Casella)  
 Her. George Mellinger  
 Adv. Alan D. Miller

*1974-75*

Pres. Kenneth G. McGillivray  
 V.P. Frank Serifini  
 Sec. Michael E. Rorabaugh  
 Treas. Douglas Powell  
 Her. Kunio Aihara  
 Adv. Alan D. Miller

*1976-77*

Pres. Bonnie J. Dunbar  
 V.P. Douglas Gilbert  
 Sec. Steven Hugh  
 Treas. Timothy Bordell  
 Her. Paul Hanks  
 Adv. Alan D. Miller

*1971-72*

Robert A. Howe  
 Karen Breen (Casella)  
 George Mellinger  
 Scott Hutchinson  
 Ed Wilmot  
 Alan D. Miller

*1973-74*

David R. Griffith  
 Sue Hartman (Carr)  
 Bonnie J. Dunbar (McCloskey)  
 Michael White  
 Douglas Powell  
 Alan D. Miller

*1975-76*

Jay McCarthy  
 Carl E. Swenson  
 Paul Hanks  
 Donald R. Strohm  
 Kenneth G. McGillivray  
 Alan D. Miller

*1977-78*

John J. Goss (McCloskey)  
 Audrey Pang  
 Grant Zenker  
 Leslie Troyer  
 Kenneth W. Davido  
 Alan D. Miller