

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^o 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^o 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^o 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."

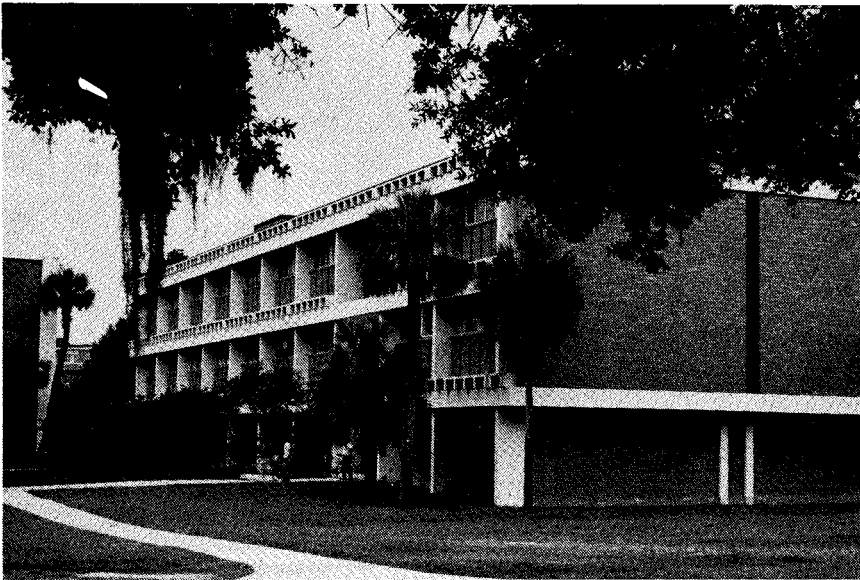
The Department of Materials Science and Engineering. In 1959 Dr. Frederick N. Rhines came to the University to develop a metallurgical research laboratory in cooperation with the Department of Mechanical Engineering. Dr. Rhines' activities formed the basis in 1961 for a new Department of Metallurgical 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-

* *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^o, 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^o 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

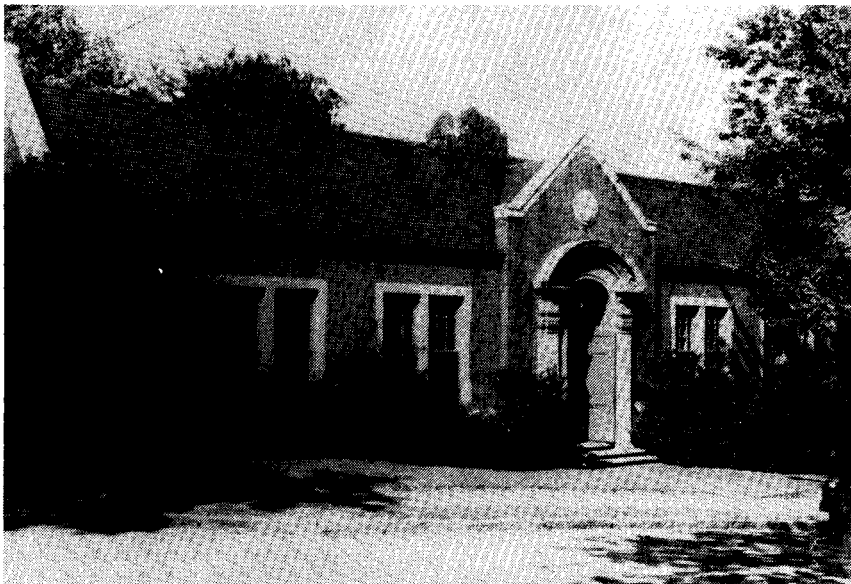
THE INSTITUTE

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^o, Chairman of the Ceramic Engineering Department of Ohio State University.



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

* 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 Bungler-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 Bungler 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 ^o	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,^o 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. Kriegel^o 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.

* 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^o (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
<i>No records available for the next six Fraternity years.</i>		
	<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.

	<i>1973-74</i>	<i>1974-75</i>
Pres.	Barry Michael	
V. P.	David Durrell	
Sec.	Sam Fraser	
Treas.	James Bennett	
Her.	Robert Cord	
Adv.	Joe K. Cochran, Jr.	Joe K. Cochran, Jr.
	<i>1975-76</i>	<i>1976-77</i>
Pres.	Mike Watson	Jacqueline LaBarre
V. P.	Vel Holaday	Robert Kolarik
Sec.	Jacqueline LaBarre	Barry Michael
Treas.	Barry Michael	Norman Hill
Her.	Wayne Ohlinger	Wayne Ohlinger
Adv.	Joe K. Cochran, Jr.	Joe K. Cochran, Jr.
	<i>1977-78</i>	
Pres.	Robert Kolarik	
V. P.	Orvil Ogden	
Sec.	Cynthia Neilson	
Treas.	Norman Hill	
Her.	Lindsay Smith	
Adv.	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.

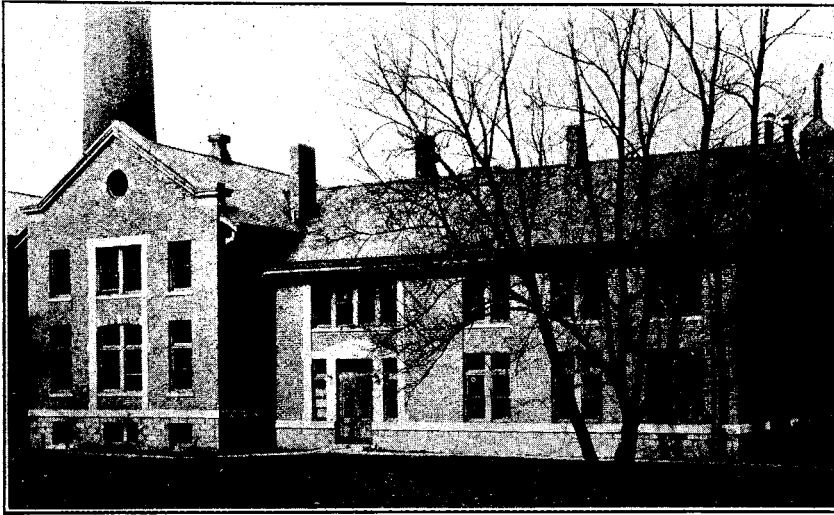
The University of Illinois is located mainly at Urbana, Champaign and Chicago. The Chicago Circle unit was established in 1946. Rush Medical College, one of the nation's oldest and best known medical schools, was transferred to the University in 1941. Rush was chartered in 1837, and became affiliated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

* 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,^o "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^o 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^o 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.

* *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^o
 Chester C. Treischel^o
 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^o
 V. P. Virgil K. Haldeman
 Sc.-Tr. Howard C. Arnold
 Sgt. Arm. John R. Green

1921-22
 Virgil K. Haldeman
 Harold G. Wolfram^o
 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^o
 Sherman Q. Lee
 Gray B. Tuthill
 Glenn S. Smallwood

1924-25

Pres. Cullen E. Parmelee^o
 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

	<i>1928-29</i>		<i>1929-30</i>
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
	<i>1930-31</i>		<i>1931-32</i>
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
	<i>1932-33</i>		<i>1933-34</i>
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
	<i>1934-35</i>		<i>1935-36</i>
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
	<i>1936-37</i>		<i>1937-38</i>
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
	<i>1938-39</i>		
	<i>1st Semester</i>		<i>2nd Semester</i>
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

	<i>1949-50</i>		<i>1950-51</i>
Pres.	(F) Howard C. Rapp		Edwin W. Schvetze
Pres.	(S) Dudley B. Johnson		Edwin W. Schvetze
V. P.	Clifton G. Bergeron		George E. Brinkerhoff
Sec.	Robert H. Herron		Donald E. Kraft
Treas.	Donald P. Crosby		Robert H. Rosendale
Her.	James T. Shapland		Basil Ohnysty
Adv.	Ralph K. Hursh		Ralph K. Hursh
	<i>1951-52</i>		
	<i>1st Semester</i>		<i>2nd Semester</i>
Pres.	Donald B. Tolly		Donald B. Tolly
V. P.	Basil Ohnysty		Donald E. Kraft
Sec.	Morris L. Woodridge		John Schultz
Treas.	William R. Soderstrum		William R. Soderstrum
Her.	Louis H. Fadanelli		John D. Sitzler
Adv.	Ralph K. Hursh		Ralph K. Hursh
	<i>1952-53</i>		<i>1953-54</i>
Pres.	Robert C. Mertens		Robert Cowan
V. P.	Richard Anderson		Peter Shalek
Sec.	Peter Shalek		Victor Tennery
Treas.	Victor Tennery		Victor Tennery
Her.			
Adv.	Ralph K. Hursh		Ralph K. Hursh
	<i>1954-55</i>		<i>1955-56</i>
Pres.	James Glasford		John M. Kerr
V. P.	Harry Carpenter		Gordon E. Fales
Sec.	J. Jesse Rostenthal		Keith K. Kappmeyer
Treas.	J. Jesse Rostenthal		David J. Kessel
Adv.	James A. Nelson		James A. Nelson
	<i>1956-57</i>		<i>1957-58</i>
Pres.	Donald J. Romine		D. R. Baker
V. P.	Raymond R. Redchetz		Raymond G. Capek
Sec.	D. R. Beebe		Charles A. Hall
Treas.	David J. Kessel		R. Dean Sanner
Her.	Ernest E. Karner		G. A. Bowman
Adv.	James A. Nelson		James A. Nelson
	<i>1958-59</i>		<i>1959-60</i>
Pres.	Charles A. Hall		David W. Carter
V. P.	David Wirth		James C. Blome
Sec.	Lawrence L. Fehrenbacher		Leone P. Murphy
Treas.	John F. Krumwied		James A. Laird
Her.	Robert J. Baker,		Jr. Howard W. Hill
Adv.	James A. Nelson		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.

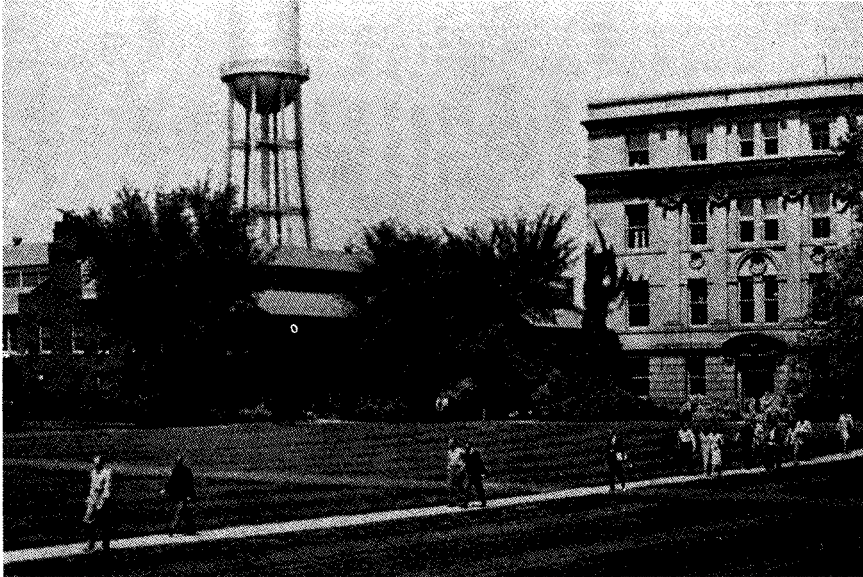
In each of the succeeding years the Brick and Tile Association renewed its request. In 1906 the Iowa Cement Users' Association joined the effort resulting in a mandatory act by the 1907 Iowa Legislature. The act provided for the establishment of ceramic instruction and mandated the pursuit of research 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-

* 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^o, 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^o

Milton F. Beecher

Willard E. Hauth

Orville Hunter, Jr.

Andrew L. Johnson

David M. Martin

Thomas D. McGee^o

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-

* 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,^o Grand President

Lane Mitchell, Grand Secretary

A. F. Greaves-Walker, Past Grand President

Charles M. Dodd, Past Grand Secretary

Paul G. Herold,^o 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.

	<i>1946-47</i>		<i>1947-48</i>
Pres.			Charles V. McClune
V. P.			LeRoy Gobis
Sec.	LeRoy Gobis		Clifford Paltzer
Her.			Lee Kleeman
Adv.	Charles M. Dodd		Charles M. Dodd
	<i>1948-49</i>		<i>1949-50</i>
Pres.	Wilford M. Somers		George A. Martin
V. P.	Irvin K. Holdener		Robert E. VanderHarr
Sec.	Carol L. Seversike		Roger C. Stoen
Treas.	Lucas E. Pfeiffenburger		John A. Leland
Her.	Harvey W. Wright		John P. Finley
Adv.	Charles M. Dodd		Charles M. Dodd
	<i>1950-51</i>		<i>1951-52</i>
Pres.	Robert E. VanderHarr		(F) Robert E. VanderHarr
V. P.			(S) Thomas L. Freund
Sec.	Merton L. Van Dreser		Richard F. Sperring
Treas.			
Her.			
Adv.	Charles M. Dodd		Charles M. Dodd
	<i>1952-53</i>		<i>1953-54</i>
Pres.	Michael S. Crowley		Jerry Carroll
V. P.	Harry M. King		Irvin G. Goodman
Sec.	John E. Fenstermacher		
Treas.	Monte W. Bannister		Thomas L. Larson
Her.	Wayne G. Basler		
Adv.	A. Philip Welch		A. Philip Welch
	<i>1954-55</i>		<i>1955-56</i>
Pres.	Thomas L. Larson		Gerald N. Rieper
V. P.	Albert L. Gugeler		Morris E. Van Vooren
Sec.	Morris E. Van Vooren		Donald G. Stroh
Treas.	Donald G. Stroh		Harry Oakley
Her.	Gerald N. Rieper		John Doornwaard
Adv.	A. Philip Welch		A. Philip Welch
	<i>1956-57</i>		<i>1957-58</i>
Pres.	Keith N. Johnson		Ronald H. Moore
V. P.	C. Denton Wirkus		Gordon Mork
Sec.	Ronald H. Moore		Sara Jane Boles
Treas.	James F. Watson		Cecil Jacobs
Her.	John Doornwaard		Keith N. Johnson
Adv.	David R. Wilder		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^o 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

* 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

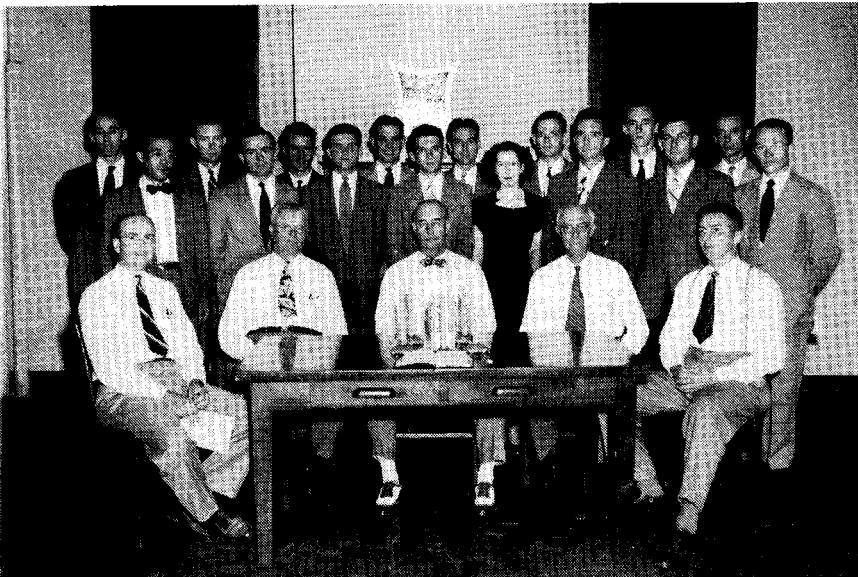
Subchapter. A subchapter of Keramos was established in 1933. Professor Dodd accepted the appointment of representative to the Fraternity's Executive Council. Under this arrangement two Missouri School of Mines ceramic engineering students were elected to nonresident active membership through the Illinois 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. Grotendorf
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

	<i>1966-67</i>		<i>1967-68</i>
Pres.	Glenn W. Hollenberg	(F) Henry E. Anthonis	
V. P.	Robert J. McNamara	(S) Jeffery D. Keck	
Sec.	Leslie G. Harmon	(F) Jeffery D. Keck	
Treas.	Jeffrey D. Keck	(S) William P. Wood	
Her.	Robert J. McNamara	(F) William J. Trejbal	
Adv.	Delbert E. Day	(S) George C. Walther, Jr.	
		Richard Drumwright	
	<i>1968-69</i>		<i>1969-70</i>
Pres.	William P. Wood	Stephen J. Schwedt	
V. P.	Norman F. Renaud	Niel S. Portnoff	
Sec.	Isreal Denlow	Vincent Logan	
Treas.	Ernest R. Verebelyi	William Schaffer	
Her.	George C. Walthers	Glenn J. Conger	
Adv.	Delbert E. Day	Delbert E. Day	
	<i>1970-71</i>		<i>1971-72</i>
Pres.	Glenn J. Conger	Russell Smith	
V. P.	Harris J. Korklan	Dennis Schubert	
Sec.	Lenn Scheibal	Richard Brockmier	
Treas.	Lindell Rutherford	Harris J. Korklan	
Her.	Russell Smith	Glenn J. Conger	
Adv.	Delbert E. Day	Charles A. Sorrell	
	<i>1972-73</i>		<i>1973-74</i>
Pres.	Dennis Schubert		
V. P.	Frank Krainess		
Sec.	John W. Halloran		
Treas.	Charles Armstrong		
Her.	Jack Young		
Adv.	Charles A. Sorrell		
	<i>1974-75</i>		<i>1975-76</i>
Pres.	(F) William D. Scott	David J. Suiter	
Pres.	(S) Michael L. Lampe	David J. Suiter	
V. P.	(F) Michael L. Lampe	Brian Flandermeyer	
Sec.	David J. Suiter	Royce L. Vessell	
Treas.	Gary E. Chapman	Kurt D. Humphrey	
Her.	Royce L. Vessell	Lana J. Bray	
Adv.	Charles A. Sorrell	Charles A. Sorrell	
	<i>1976-77</i>		<i>1977-78</i>
Pres.	Jeffrey W. Stevenson	Charles C. Sorrell	
V. P.	James Highfill	Kurt D. Humphrey	
Sec.	Paul A. Baker	Kathryn L. Atteberry	
Treas.	Kurt D. Humphrey	David C. Hitchcock	
Her.	Lana J. Bray	Paul P. Russell	
Adv.	Charles A. Sorrell	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.

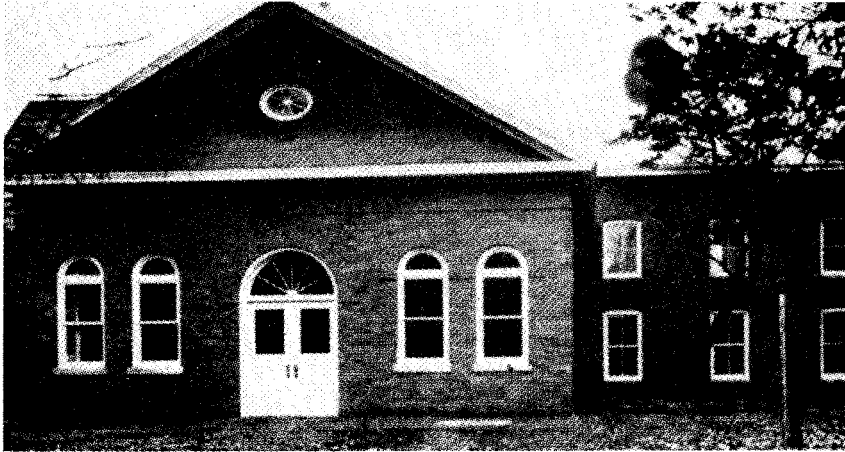
The beginning of professional ceramic education has been attributed to the early work on clays by Dr. George H. Cook, State Geologist and Vice President of Rutgers College, assisted by Dr. J. C. Smock also of Rutgers. This work was published in 1878.

It is noteworthy that in 1898 Charles F. Binns^o 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

* *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

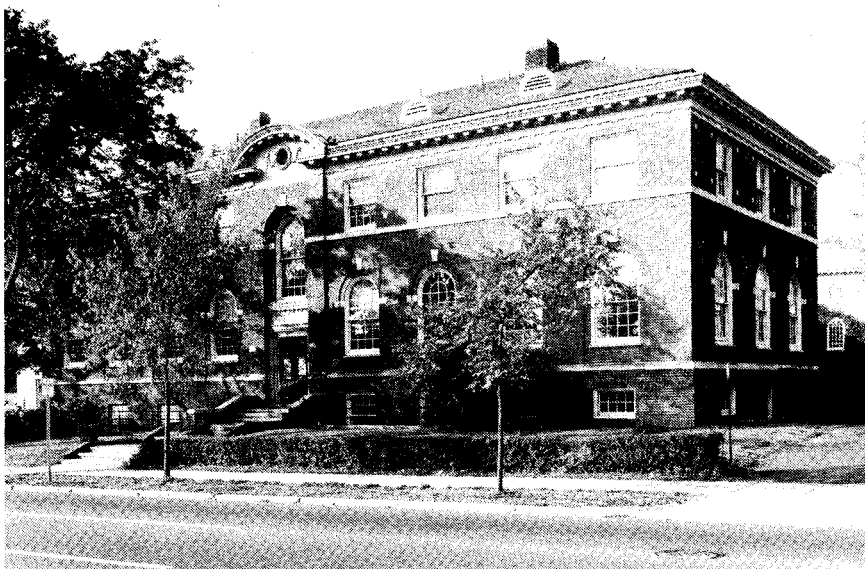
John H. Koenig, 1945-1969

Cullen W. Parmelee, 1903-1916

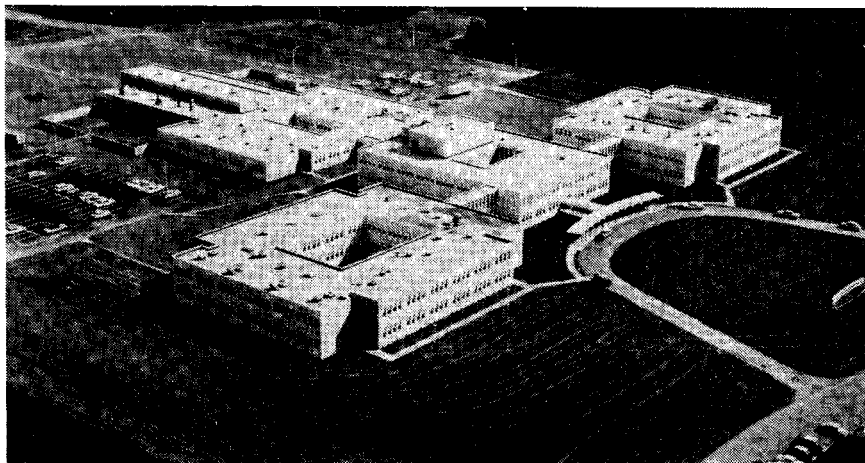
Malcolm G. McLaren, 1969-date

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. (Lef 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.

	<i>Spring 1947</i>	<i>1947-48</i>
Pres.	Roger Snellman	Zale Dillon
V.P.	Kenneth E. Taaffe	Irwin Gordon
Sec. Tr.	Zale Dillon	Donald J. Stefl
Her.	Richard J. Vandermade	
Adv.	John H. Koenig	
	<i>1948-49</i>	<i>1949-50</i>
Pres.	William P. Hahn	Frederick R. Huettig
V.P.	James E. Neal	William B. Harsell
Sec.	Martin E. Newark	George S. Huber
Treas.	Howard E. Konrad	Stephen L. Albertalli
Her.	Edwin Ruh	William J. Kelly
Adv.	John H. Koenig	John H. Koenig
	<i>1950-51</i>	<i>1951-52</i>
Pres.	James R. Bachman	David W. Stahl
V.P.	Richard C. Phoenix	
Sec.	Malcom R. Harris	
Treas.	Richard G. Mills	
Her.	Bernard D. Roesch	
Adv.	Edward E. Mueller	Edward E. Mueller
	<i>1952-53</i>	<i>1953-54</i>
Pres.	Benjamin P. Colosky	Paul D. Baba
V.P.	Robert V. LaMaire	Martin H. Leipold
Sec.	Ernest L. Kastenbein	Michael R. Kowalczyk
Treas.	Arthur I. Stoller	
Her.	Norman M. Tallan	Norman M. Tallan
Adv.	Edward E. Mueller	John H. Koenig
	<i>1954-55</i>	<i>1955-56</i>
Pres.		Robert H. Arlett
V.P.		Donald Kohnken
Sec.	Robert H. Arlett	Alexander A. Liten
Treas.		Harry A. Lawler
Her.		Ellis Levenson
Adv.	John H. Koenig	John H. Koenig
	<i>1956-57</i>	<i>1957-58</i>
Pres.	Joseph M. Kacicz	Robert Rothstein
V.P.	William V. Baer, Jr.	Paul M. Bridenbaugh
Sec.	Jack Hanoka	Francis E. Pirigyi
Treas.	Lawrence R. Johnson	David R. Reid
Her.	Francis E. Pirigyi	Evelyn S. Lukas
Adv.	John H. Koenig	John H. Koenig

	<i>1958-59</i>		<i>1959-60</i>
Pres.	Donald R. Ulrich		Masahiro Iwata
V.P.	Donald S. Pasternak		
Sec.	Robert Rothstein		John F. Mooney, Jr.
Treas.	Masahiro Iwata		Richard H. Kleiner
Her.	David R. Reid		
Adv.	John H. Koenig		John H. Koenig
	<i>1960-61</i>		<i>1961-62</i>
Pres.	Robert A. Gdula		Douglas M. Mattox
V.P.	Raymond O. Goetz		Dennis J. Viechnicki
Sec. Tr.	Charles R. Greenberg		Cyril J. Mogab
Her.			Richard Palicka
Adv.	Charles J. Phillips		Charles J. Phillips
	<i>1962-63</i>		<i>1963-64</i>
Pres.	Cyril J. Mogab		William A. Vitriol
V.P.	William Matthes		James D'Antonio
Sec.	D. Thomas Rankin		Richard J. Wasowski
Treas.	Ronald Staut		
Her.	Howard Wichansky		James D'Antonio
Adv.	Charles J. Phillips		Charles J. Phillips
	<i>1964-65</i>		<i>1965-66</i>
Pres.	Richard G. LaBar		Jeffrey H. Belding
V.P.	Andre P. Galliath		Allan D. Lemberger
Sec.	(F)Peter J. Vergano		Joseph R. Latove
Sec.	(S)Jeffrey H. Belding		Joseph R. Latove
Treas.	Peter J. Vergano		William A. Belding
Her.			James D. Dunnagan
Adv.	Ernest L. Kastenbein		Ernest L. Kastenbein
	<i>1966-67</i>		<i>1967-68</i>
Pres.	Edward R. Babluski		Suzanne R. Nagel
V.P.	James D. Dunnagan		John R. Koenig
Sec. Tr.	John W. Chattaway		Harry W. Russell III
Her.	James D. Dunnagan		Carlino Panzera
Adv.	Ernest L. Kastenbein		Ernest L. Kastenbein
	<i>1968-69</i>		<i>1969-70</i>
Pres.	John L. Deines		Peter P. Bihuniak
V.P.	Harry H. Russell III		Greg A. Ricciardi
Sec.	Alan T. Sukovich		Bruce S. Dunn
Treas.	Peter P. Bihuniak		J. Lawrence Troutman
Her.	Simon M. Borkowski		Herold H. Horowitz
Adv.	Ernest L. Kastenbein		Ernest L. Kastenbein

	<i>1970-71</i>		<i>1971-72</i>
Pres.	Charles Rush		Barry K. Speronello
V.P.	David Avigdor		Steven W. Seufert
Sec.	Arthur Spooner		David Avigdor
Treas.	Richard C. Marlor		Roy Solondz
Her.	Richard L. Lehman, Jr.		Robert H. Licht
Adv.	Ernest L. Kastenbein		Ernest L. Kastenbein
	<i>1972-73</i>		<i>1973-74</i>
Pres.	Neil M. Schattin		David B. Cerutti
V.P.	Jaroslav Kynik		Allen Carroll
Sec.			David Kimble
Treas.			Liu Vie Wei
Her.			Daniel P. Kramer
Adv.	James W. Rue		James W. Rue
	<i>1974-75</i>		<i>1975-76</i>
Pres.	Larry J. Shelestak		Eliot S. Lassow
V.P.	Charles F. Sikorski		Alfred M. Gaibrois
Sec.			Earl F. Borchelt
Treas.			Jimmy Huff
Her.			James Moadel
Adv.	James W. Rue		James W. Rue
	<i>1976-77</i>		<i>1977-78</i>
Pres.	Robert Cohen		Robert Dolphin
V.P.	William Russell		David Smoke
Sec.	William Russell		Paul D. Gray
Treas.	Emilio Giraldez		Gary Garvey
Her.	Jay Vickery		Jay Vickery
Adv.	Ernest L. Kastenbein		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

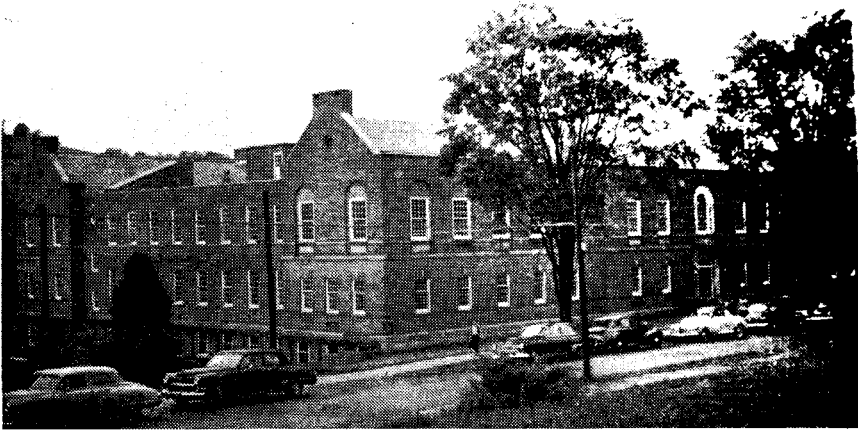
New York State School of Clayworking and Ceramics. The earliest recorded public suggestion for a ceramic school at Alfred came from Charles T. Harris, lessee of the local Celadon Terra Cotta Co. plant in Alfred. In 1897 the Hon. John J. Merrill expressed a similar idea and also suggested the possibility 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

* 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:

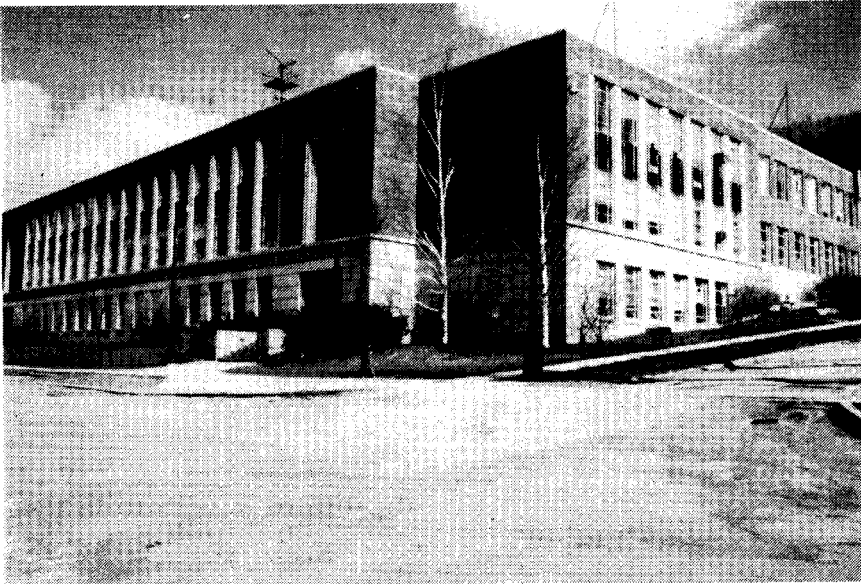
Charles F. Binns, 1900-1931	John F. McMahon, 1948-1965
Major E. Holmes, 1932-1946	Edward E. Mueller(B), 1965-1973
Samuel R. Scholes, 1946-1948	Willis G. Lawrence, 1973-date.

CERAMIC ENGINEERING

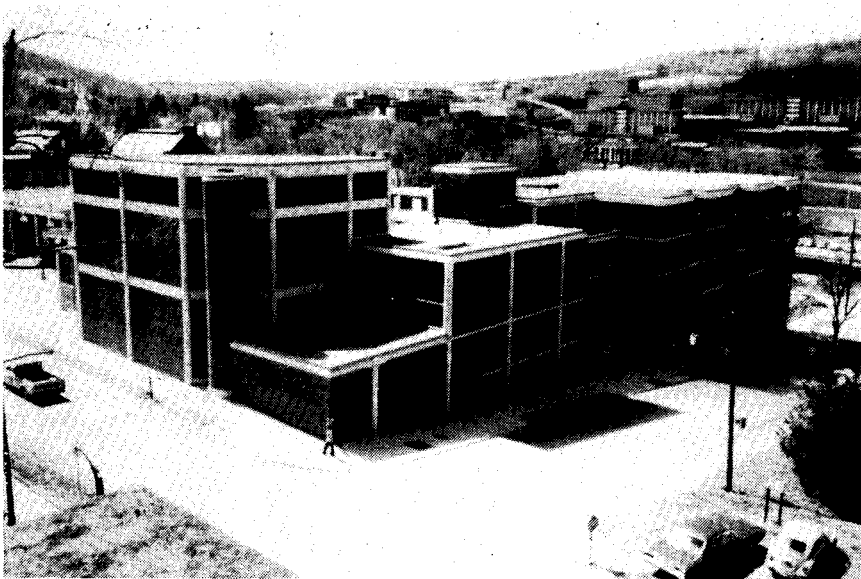
From the beginning of the School of Ceramics the instruction was roughly divided into ceramic art and ceramic engineering. Appropriate degrees were conferred. It was not until the reorganization of 1944 that the Department of Ceramic Engineering and Technology was established with Professor Robert M.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

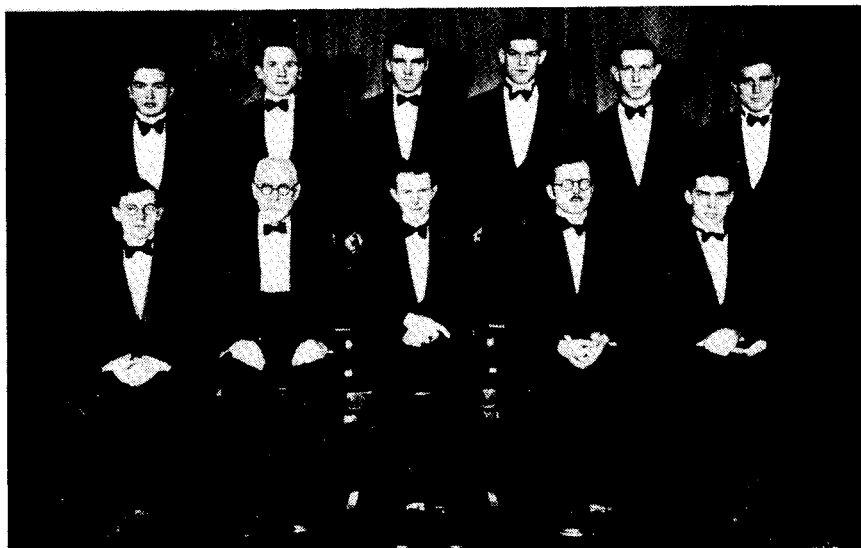
William G. Collins	Revere H. Saunders
Desmond E. Dewitt	Norman H. Stolte
Eugene W. Fulmer	Francis J. Williams
Daniel W. Luks	Charles F. Binns (honorary)

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. Karthausser, 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

	<i>1962-63</i>		<i>1963-64</i>
Pres.	John Pulver		Richard H. Edwards
V.P.	Justin B. Schulman		Paul D. Shull
Sec.	Richard H. Edwards		Alton M. Lacy
Treas.	John Nunes		Mark A. Stett
Her.	Robert Miller		Terry W. Wilkenson
Adv.	Daniel E. Rase		Daniel E. Rase
	<i>1964-65</i>		<i>1965-66</i>
Pres.	Harry B. Skinner		Curtis E. Zimmer
V.P.	Bernard F. Bentley		James W. McBeth
Sec.	Janet E. Burlingame		Charles W. Cameron, Jr.
Treas.	Norman A. Heiman		Robert J. Eagan
Her.	Kent L. Collins		Gordon L. Bjorck
Adv.	Daniel E. Rase		Daniel E. Rase
	<i>1966-67</i>		<i>1967-68</i>
Pres.	James R. McGaughey		David Feather
V.P.	Arvid E. Pasto		Douglas Lee
Sec.	Sally A. Cragg		Ann J. Schaberl
Treas.	Nicholas Winters		Sally A. Cragg
Her.	Gordon A. Kemp		David Metzler
Adv.	Daniel E. Rase		Daniel E. Rase
	<i>1968-69</i>		<i>1969-70</i>
Pres.	Richard Casciano		Michael Haselkorn
V.P.	Steven Armbrister		Mark H. Mitchell
Sec.	David Hill		Rosalia Nastasi
Treas.	John Mangels		Bob Powell, Jr.
Her.	Charles Goodwin		Gary C. Binkley
Adv.	Daniel E. Rase		Daniel E. Rase
	<i>1970-71</i>		<i>1971-72</i>
Pres.	William Schiavi		David Sheldon
V.P.	Paul Reith		Abdul Hemani
Sec.	Richard Laubenstein		Richard Horsey
Treas.	Philip Flaitz		Gary Morrow
Her.	Alan Kiehle		Curtis Scott
Adv.	Daniel E. Rase		Daniel E. Rase
	<i>1972-73</i>		<i>1973-74</i>
Pres.	Mark G. Schwabel		Michael S. Arnold
V.P.	Kenneth E. Martin		Christopher H. Welker
Sec.	Johnathan R. Bolton		John R. Baer
Treas.	James Congdon		Thomas M. Pollak
Her.	David R. Miller		Bruce M. Coons
Adv.	Daniel E. Rase		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.

* 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.

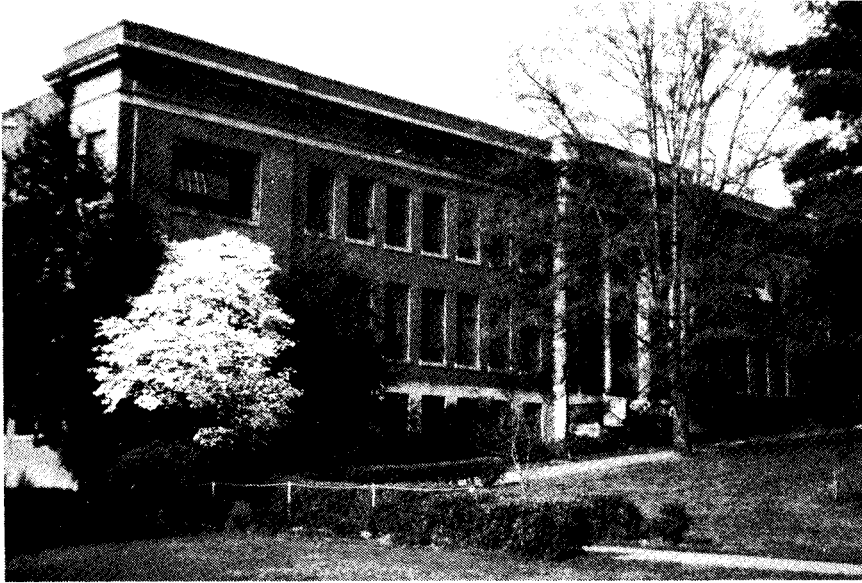
Following World War II enrollments increased sharply. For engineering it crested about 1951. During this period graduate enrollments and research activities prospered. As activities expanded during the next few years colleges started to become universities, many justified, and so it was with State. As 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^o, 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 ^o	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 ^o
Willis E. Moody ^o	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

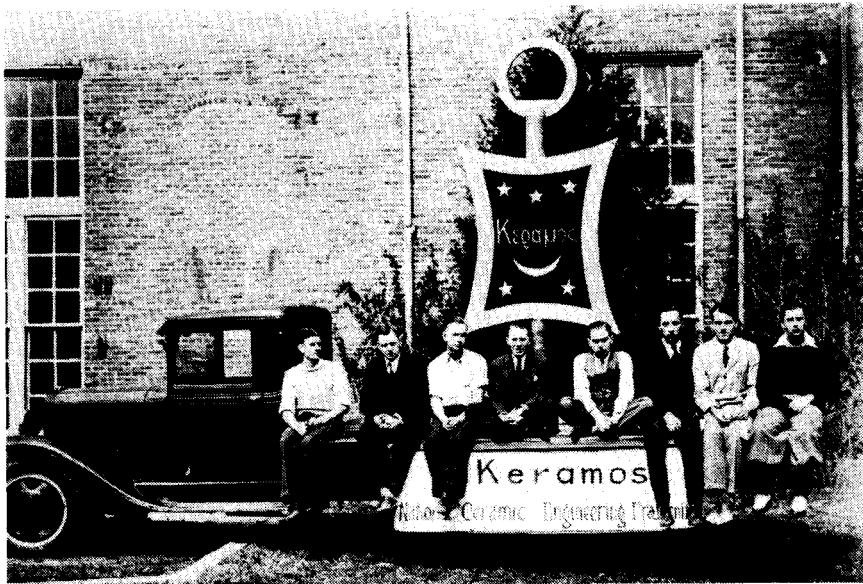
General Orton was given the only honorary membership in B Π K at Ohio State University (1904). The N.C. Chapter of B Π K reaffirmed this action and presented him with a "shingle" and jewelled pin.

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 & Fall 1925</i>	<i>Winter & 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 ^o
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).

	<i>1928-29</i>	
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	

1929-30
Records lost

Keramos

	<i>1931-32</i>	
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	

	<i>1932-33</i>
	John H. Isenhour
	George J. Grimes
	Albert H. Couch
	David L. Bohannon

	<i>1933-34</i>
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

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

	1935-36		1936-37
Pres.	Thomas L. Hurst		William C. Bell
V.P.	Edwin B. Smith		Andrew R. Blackburn
Sec.	Andrew R. Blackburn		Warden W. Gaskins
Treas.	William C. Bell		Addison Maupin
Her.	W. Rex McLain		Solomon G. Riggs, Jr.
Adv.	A. F. Greaves-Walker		A. F. Greaves-Walker
	1937-38		1938-39
Pres.	Charles D. King		William A. Scholes
V.P.	Arthur Damman		Wilson H. Ellis
Sec.	John J. Amero		Bradford S. Tucker
Treas.	Addison Maupin		C. Milton Lambe, Jr.
Her.	Warden W. Gaskins		William C. Cress
Adv.	A. F. Greaves-Walker		A. F. Greaves-Walker
	1939-40		1940-41
Pres.	Frank P. Sabol		Henry H. Thomas
V.P.	James N. Smith, Jr.		John W. Nelley
Sec.	Gilbert C. Robinson		Edwin R. Todd
Treas.	Charles M. Gattis, Jr.		S. LeRoy Thomas, Jr.
Her.	Stephen W. Derbyshire		Howard L. Miller
Adv.	A. F. Greaves-Walker		A. F. Greaves-Walker
	1941-42		1942-43
Pres.	Howard L. Miller		R. Jack Smith, Jr.
V.P.	P. Pickett Turner, Jr.		James E. Partlow
Sec.	James E. Shoffner		James E. Shoffner
Treas.	Addison Hawley		Charles V. Rue
Her.	George D. Martin		George D. Martin
Adv.	A. F. Greaves-Walker		Robert L. Stone
<i>1943-46 chapter inactive because of World War II. Reactivated Fall 1946.</i>			
	1946-47		1947-48
Pres.	J. Graves Vann, Jr.		Willard B. Midgette
V.P.	Richard W. Dammann		Edward E. Saleeby
Sec.	Willard B. Midgette		George A. Knight, Jr.
Treas.	Hugh H. Wilson, Jr.		Arnold E. Rowe
Her.	Robert E. Brickhouse		Alfred G. Eubanks
Adv.	W. Wurth Kriegel		W. Wurth Kriegel
	1948-49		1949-50
Pres.	George A. Knight, Jr.		Gordon B. Howell
V.P.	Arthur E. Lucier		Richard D. Dillender, Jr.
Sec.	Richard D. Dillender, Jr.		Robert E. Boyce
Treas.	Harold Potchar		Richard D. Lawrence
Her.	Richard D. Lawrence		Bobby L. Joyner
Adv.	W. Wurth Kriegel		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^o, 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. Knauft, 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^o
 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

1952-53

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

1954-55

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.

1956-57

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.

1958-59

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.

1960-61

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.

1962-63

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.

1953-54

John H. Milliken
 Virgil E. Bradford
 James E. Johnson
 Ralph W. DeVille
 Thomas L. Stalter
 R. Maynard King

1955-56

Ralph W. DeVille

1957-58

Russell B. Bennett
 Burton D. Brubaker
 William E. Kaiser
 Earl D. Dietz
 William A. Miller
 Ralston Russell, Jr.

1959-60

Phillip N. Bolinger
 Glenn L. Wilson
 Thomas N. Short
 Charles E. Schott
 Maurice J. Garey
 Ralston Russell, Jr.

1961-62

David M. Miller
 Dale E. Niesz
 B. Brent Augenstein
 Thomas R. Wright
 (F) John A. Edwards
 (S) D. S. Whittemore
 Ralston Russell, Jr.

1963-64

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. Kielmeyer
 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

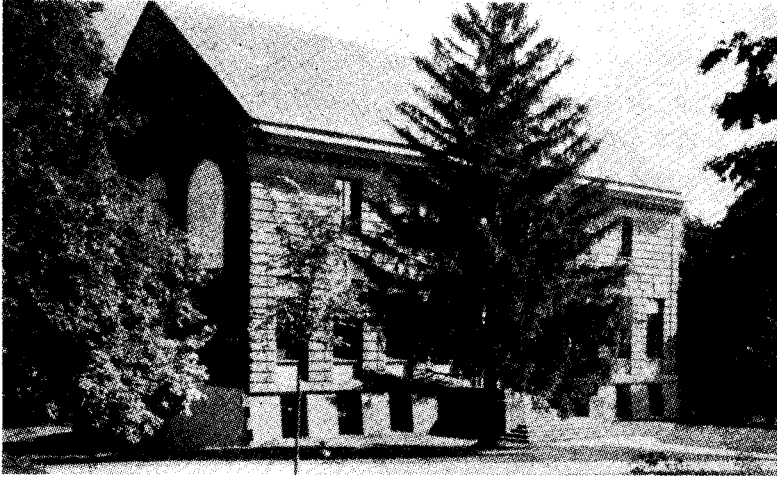
The first interest in ceramics at the College was in 1900 when a paper on clays and the clay industry of Pennsylvania was written by an economics professor. Formal and informal lectures on clays and refractories were presented by the Geological and Metallurgical Departments during the period of 1911-1923. 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

* *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,^o 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^o, 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

Howard P. Bonebrake, 1963

S. Frank Cox, 1957

Robert C. Enoch, 1977

J. Earl Frazier, 1953

Earl A. Garber, 1959

Harold A. Heiligman, 1961

Ernest M. Hommel, 1958

Richard O. Hommel, 1976

Felix S. Huot, 1967

Herbert Insley, 1950

Frank Jansma, 1966

William L. Kenagy, 1951

J. Spotts McDowell, 1952

John S. Nordyke, 1964

James P. Poole, 1970

Paul H. Reed, 1974

Roger W. Rowland, 1948

Elbert A. Sanford, 1960

Franklin M. Townsend, 1975

Woldemar A. Weyl, 1972

Clyde M. Whittaker, 1956

Chapter Officers.

1948-49

Pres. Richard M. Smith
V.P. Richard F. Urban
Sec. Donald F. Stock
Treas. Charles E. Brackbill
Her. David C. Skelly
Adv. Frederick R. Matson

1949-50

David C. Skelly
Clarence W. Whitlow
Stewart A. Claypoole
William S. Franklin
Stephen Slosarik
Frederick R. Matson

1950-51

Pres. Stephen Slosarik
V.P. W. H. Rice
Sec. Robert Turrissini
Treas. Carl R. Hoffman
Her. G. D. Kelly
Adv. Frederick R. Matson

1951-52

John B. Whitney
Edward M. Ricci
Walter A. Boyce
Edward A. Bush
Donald E. Harrison
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 Kurtossy
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

	<i>1966-67</i>		<i>1967-68</i>
Pres.	Edward W. Tokarsky		Dennis S. Postupack
V.P.	Gerald L. Hixson		Edward L. McKinley
Sec.	Dennis S. Postupack		Nick P. Palmisiano
Treas.	Nick P. Palmisiano		Richard E. Wright
Her.	Albert L. Treusch		Robert L. Ure
Adv.	Guy E. Rindone		Guy E. Rindone
	<i>1968-69</i>		<i>1969-70</i>
Pres.	John A. Kaniuk		John A. Parrish
V.P.	Richard E. Wright		D. David Blistan
Sec.	Kenneth B. Tanner, Jr.		Allen D. Davis, Jr.
Treas.	John A. Parrish		Paul F. Robertson
Her.	Milivoj K. Brun		Milivoj K. Brun
Adv.	Guy E. Rindone		Guy E. Rindone
	<i>1970-71</i>		<i>1971-72</i>
Pres.	Paul F. Robertson		Lee E. Trimble
V.P.	Stephen C. Hartline		James M. Lukacs
Sec.	William J. Minford		William Tasker
Treas.	Lee E. Trimble		Thomas Hollenbeck
Her.	James M. Lukacs		(F) George J. Gardopee
Her.			(S) David Michaels
Adv.	Guy E. Rindone		Guy E. Rindone
	<i>1972-73</i>		<i>1973-74</i>
Pres.	Larry Beyer		Jerry Osele
V.P.	George J. Garopee		Thomas M. Yonushonis
Sec.	Jo Ann Spiers		Francis Merti
Treas.	Ralph A. Langensiepen		Isabel Knowlton
Her.	(F) David M. Kotchick		David Metz
Her.	(S) Bruce E. Bertsch		David Metz
Adv.	Guy E. Rindone		Richard E. Tressler
	<i>1974-75</i>		<i>1975-76</i>
Pres.	Isabel Knowlton		David C. Cranmer
V.P.	David C. Cranmer		John R. Hellmann, Jr.
Sec.	Jere Fiyalko		Joann S. Waldman
Treas.	Diane Krasinski		Russell Yeckley
Her.	Paul J. Musiol		Bernard J. Busovne
Adv.	Richard E. Tressler		Richard E. Tressler
	<i>1976-77</i>		<i>1977-78</i>
Pres.	John R. Hellmann, Jr.		David R. Monahan
V.P.	John Bowen		Greg Corman
Sec.	Joann S. Waldman		Bredan M. Burns
Treas.	Paul H. Conley		Joseph L. McKee
Her.	David R. Monahan		Steven M. Weiser
Adv.	Richard E. Tressler		Richard E. Tressler

SOUTH CAROLINA CHAPTER*
CLEMSON UNIVERSITY
at Clemson

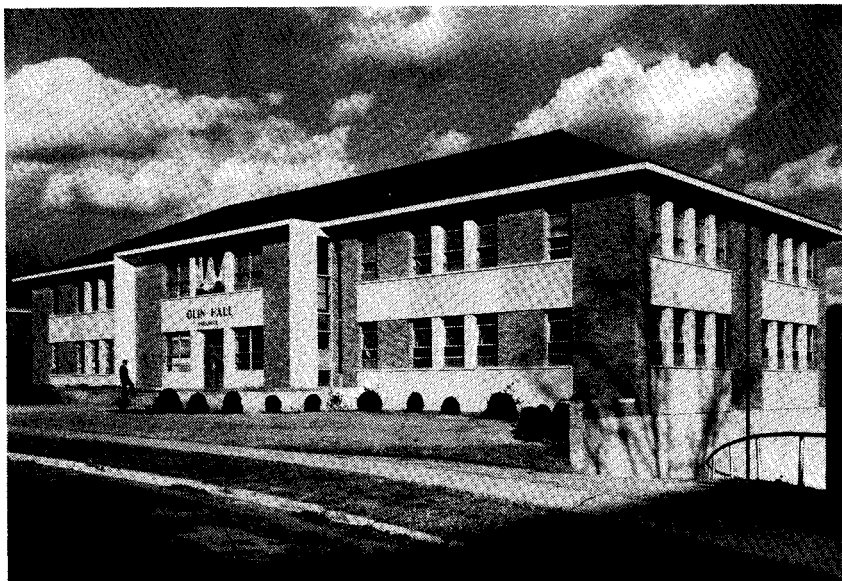
THE UNIVERSITY

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)

* *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. Gilbert 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:

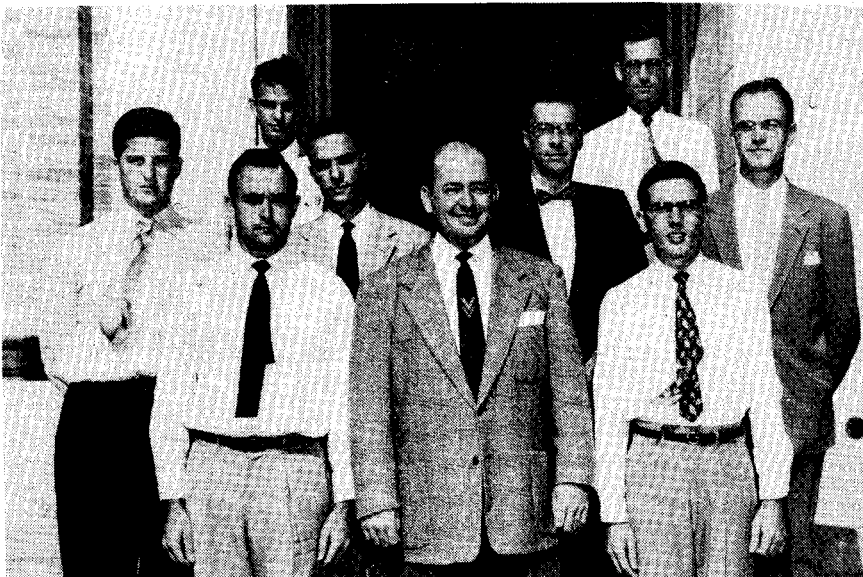
Forrest K. Pence, founder, 1945-51
 Robert L. Stone, 1951-59
 E. Joseph Weiss, 1959-60

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^o, 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.

	<i>1954-55</i>		<i>1955-56</i>
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
	<i>1956-57</i>		<i>1957-58</i>
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
	<i>1958-59</i>		<i>1959-60</i>
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^o 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

* 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

	<i>1941-42</i>	<i>1942-43</i>
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>	
	<i>1946-47</i>	<i>1947-48</i>
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
	<i>1948-49</i>	<i>1949-50</i>
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
	<i>1950-51</i>	<i>1951-57</i>
Pres.	Frank H. Boone	Chapter Inactive.
V.P.		Reactivated Spring, 1958.
Sec.	Ernest R. Glabau	
Treas.		
Her.		
Adv.	Henry R. Forkner	
	<i>Spring 1958</i>	<i>1958-59</i>
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
	<i>1959-61</i>	
	Chapter Inactive.	
	<i>1961-62</i>	<i>1962-63</i>
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

	<i>1963-64</i>		<i>1964-65</i>
Pres.	Herbert K. Gilliam		H. W. Whately
V.P.	Danny R. Mills		John W. Neidhardt, Jr.
Sec.	Robert F. Hogsett		W. Richard Ott ^o
Treas.	Henry R. Forkner		Henry R. Forkner
Her.	Donald L. Preas		Fred C. Miller
Adv.	Henry R. Forkner		Henry R. Forkner
	<i>1965-66</i>		<i>1966-67</i>
Pres.	Wayland L. Moore		Melvin G. West
V.P.	Christian D. Talbot		Wayland L. Moore
Sec.	Julio C. Ohep		Christian D. Talbert
Treas.	Henry R. Forkner		Henry R. Forkner
Her.	George H. Williams		Julio C. Ohep
Adv.	Henry R. Forkner		Henry R. Forkner
	<i>1967-68</i>		<i>1968-69</i>
	Chapter was active. (Report lost)		Chapter was active. (Names not reported.)
	<i>1969-70</i>		<i>1970-71</i>
Pres.	James M. Fields, Jr.		Chapter was active. (Names not reported.)
V.P.	Paul R. Eusner		
Sec.	Cullen L. Hackler		
Treas.	Thomas E. Clatfelter		
Her.	Edward W. Rilee, Jr.		
Adv.	Henry R. Forkner		
	<i>1971-72</i>		<i>1972-73</i>
Pres.	Cullen L. Hackler		Richard Baylor, Jr.
V.P.	Timothy L. Reed		David P. Stinton
Sec.	David A. Moxon		Carl S. Edwards
Treas.	Thomas E. Clatfelter		Henry R. Forkner
Her.	Edward W. Rilee, Jr.		David A. Moxon
Adv.	Henry R. Forkner		Henry R. Forkner
	<i>1973-date</i>		
	Chapter inactive.		

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

* *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 & 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 & 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

	<i>1958-59</i>		<i>1959-60</i>
Pres.	Alan V. King		Terry D. Gulden
V.P.	Frank E. Wagstaff		(F) Irwin E. Reep
			(S) John C. McGlenn
Sec.	David J. Larin		Mary E. Gulden (Breden)
Treas.	Paul P. Kavadas		Vere S. Thompson
Her.	Lawrence D. Johnson		Richard E. Lyon
Adv.	Edward E. Mueller		James I. Mueller
	<i>1960-61</i>		<i>1961-62</i>
Pres.	Martin B. Hanson		Patrick E. Hart
V.P.	Edward Randklev		John F. Trauth
Sec.	Katherine M. Olson		Michael J. Kuronen
Treas.	(F) Cameron Craig		Edward H. Randklev
	(S) John F. Trauth		
Her.	Wayne Homestead		Robert D. Thorson
Adv.	James I. Mueller		James I. Mueller
	<i>1962-63</i>		<i>1963-64</i>
Pres.	Peter Beaupain		Mark W. Benecke
V.P.	Robert D. Thorson		John J. Brennan
Sec.	Benjamin T. Fellows		Richard L. Frederickson
Treas.	John Sipe		Ricky R. Asamoto
Her.	John Nagrych		Robert E. Schultz
Adv.	James I. Mueller		James I. Mueller
	<i>1964-65</i>		<i>1965-66</i>
Pres.	Thomas Delimetros		Dale Gerring
V.P.	John A. Merrow		Donald C. Wadekamper
Sec.	J. Marc Bahl		Thomas Ormiston
Treas.	Juris Verzemnieks		John Rusin
Her.	Norman C. Anderson		Daniel Leiser
Adv.	James I. Mueller		Jerry E. Turnbaugh
	<i>1966-67</i>		<i>1967-68</i>
Pres.	Donald C. Wadekamper		Curtiss C. Wright
V.P.	John Rusin		C. Peter Becker
Sec.	Allan H. Krabill		John Merrow
Treas.	Dennis A. Stranik		Roy Okada
Her.	Ihan Aksay		James Sammis
Adv.	Jerry E. Turnbaugh		Alan D. Miller
	<i>1968-69</i>		<i>1969-70</i>
Pres.	Allan T. Dull		David Humphries
V.P.	Roy Okada		Ronald Triff
Sec.	Derrille K. Thayer		Anita Fagan
Treas.	Gordon A. Zeugner		Dale W. Hjort
Her.	Douglas J. Calkins		Derrille K. Thayer
Adv.	Alan D. Miller		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