

"Navigating the Falls . . . What Value the Reflection, Resilience, and Reinvention in Graduate Education? Clemson University - an Example.

2024 marks the 100th year of awarding graduate degrees at Clemson University, and three years short, technically, of 100 years of CSGS' focus on graduate education. This centennial milestone for Clemson, and South Carolina's hosting of the CSGS conference in Greenville, affords an appropriate opportunity for reflection on progress, problems, solutions, predictions, hopes and desires -- not just at Clemson, but in the southern region. This session will use Clemson University as an example of the value embodied in the Conference theme, and will demonstrate the invaluable contributions of the Conference of Southern Graduate Schools to the growth of graduate education and research in the South.



“NAVIGATING THE FALLS”

What Value __ the Reflection,
Resilience, and Reinvention in
Graduate Education?

Clemson University – An Example

Frankie O. Felder, Ed.D.

Senior Associate Dean of the
Graduate School, Emeritus,
Clemson University

Conference of Southern Graduate Schools, March 14, 2024

What value the
REFLECTION?







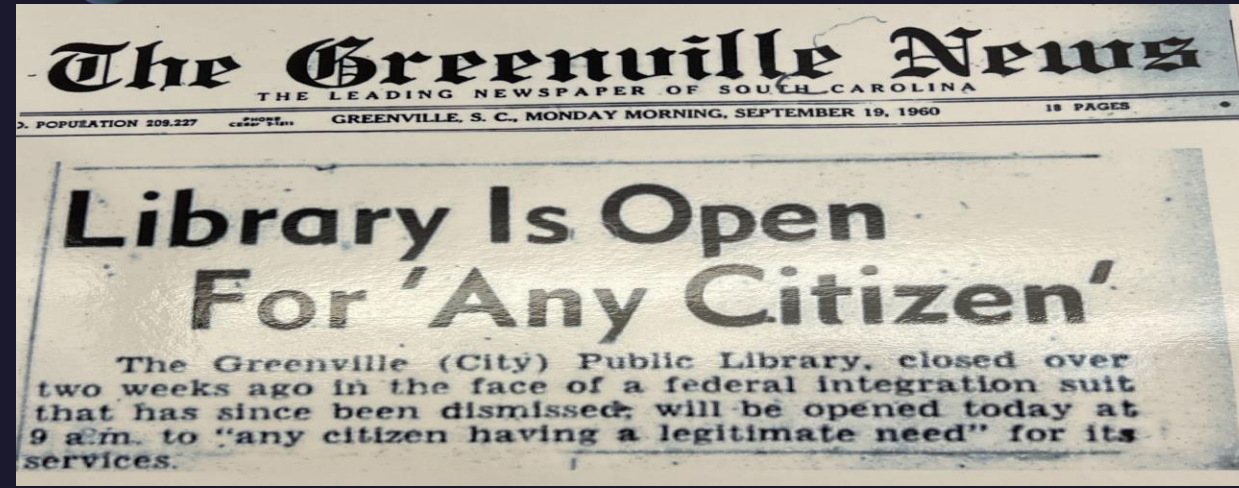
Sterling High School 1896 – 1970



1941 Sterling High School class photo, Ruth Ann Butler, Greenville Cultural Exchange Center

1941 Sterling High School Mid-term Graduation Class

Arrested for reading



SELECTED SITES

Editor's Note: Map not to scale; locations are approximate

Liberty Theatre

14 Spring St.

- Opened in 1919 with a capacity of 800.
- Served as a vaudeville and movie house for Black audiences.
- Beloved Greenville entertainer Clayton "Peg Leg" Bates discovered there. Ethel Waters performed there in 1922.

Working Benevolent Temple and Professional Building

Broad and Falls St.

- The center for Greenville's civil rights activities during the 1960s
- Placed on the National Register of Historic Places in 1982

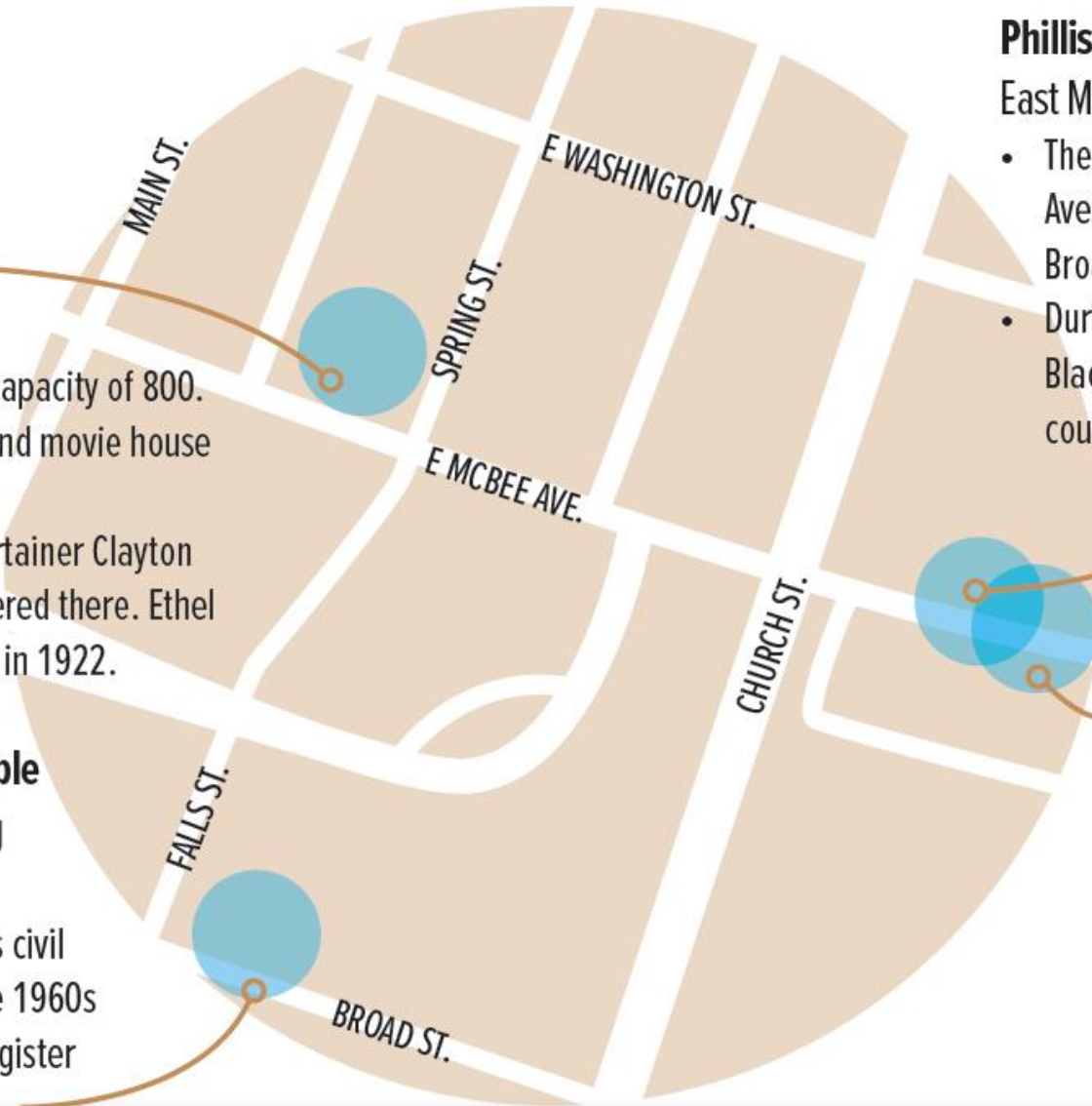
Phillis Wheatley Center

East McBee Avenue

- The center's first location was on East McBee Avenue until a new site was built at 121 E. Broad St. 1924.
- During the 1930s, the center was known as the Black YWCA and included playgrounds, tennis courts and fencing.

East McBee Avenue Greenville Public Library for Blacks

- Replaced the single room in the Phillis Wheatley Center, where Thomas Parker established the first library for African Americans in South Carolina in 1923.
- A sit-in staged at the public library on North Main in March 1960 marked the first local challenge to segregated facilities in Greenville.





Reflections About Graduate Education

“The graduate school more than any other division of a university makes an institution worthy of that name.”

John Calvin Metcalf, Dean of the Graduate School,
University of Virginia, 1923-1938

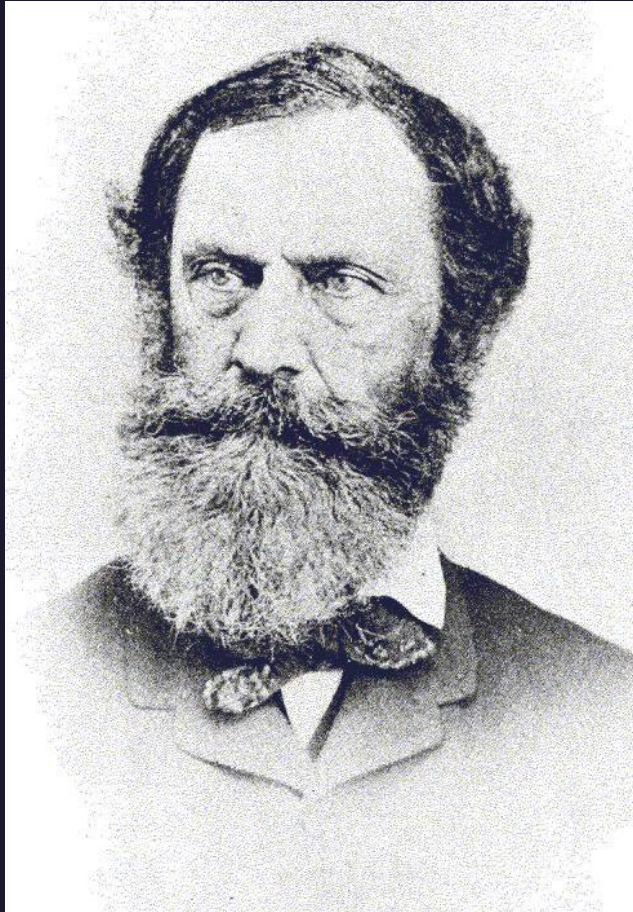
Reflecting on the Past Contemplating the Future

T. G. CLEMSON ON HIS FRONT PORCH, FORT HILL



CLEMSON READING AT FORT HILL





THOMAS GREEN CLEMSON

“I have long been of the opinion that the time would surely come, when in this country, more than in any other, the demand for scientific instruction, and that in its highest grade, would be imperative. . . . Each in its own State would form a center, around which other institutions would come into activity. Preparatory schools of various kinds and usefulness, would spring up, and their benign influence would extend and be felt to every part of the earth where a printed sheet would circulate.”

Thomas Green Clemson



“Learned Faculty”



- “Learned faculty would engage in original and important research, by which knowledge would be increased ...”

T. G. Clemson

Quality of Faculty – first sign of trouble

“Some of those [faculty] we have lost were good riddances [sic]. Some and four new-comers we would not want to tie up with permanently; yet among them there are some excellent men whom we shall certainly want to hold.” (In President’s Report to the Board of Trustees, 1920-12).



The earliest, best photo of the faculty of Clemson College, ca. 1894. These men make up the backbone of the fledgling college's faculty discussed in this chapter. *First row, left to right:* Furman, Hardin, Pres. Craighead, Strode, Morrison, Welch. *Second row, left to right:* Harrison, Hook, McGee, Sims, Secretary/Treasurer P.H.E. Sloan, Smith, Clinkscales, Bowman, Welch. *Third row, left to right:* Hart, Shanklin, Shiver, Clinton, Lytton, Blythe, Wright. *Clemson University Photographs, CUL.SC.*

“Learned Faculty”



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T. G. Clemson

The Students

- 444 students enrolled at Clemson Agricultural and Mechanical College in 1893
- The original class of 1893 graduated in 1896



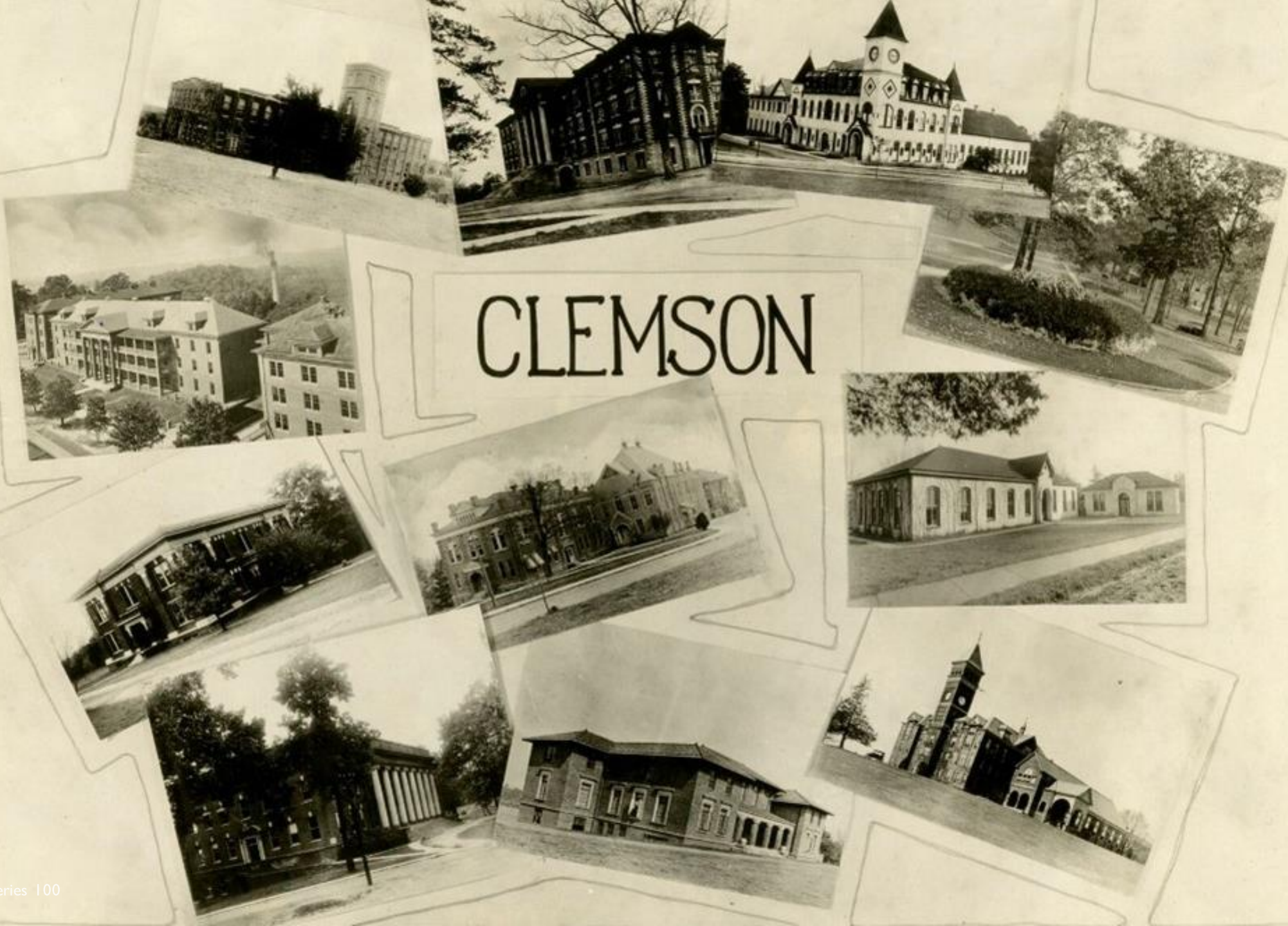


Source: *Taps*, 1903



John Heisman
Tiger's coach
1900-1903

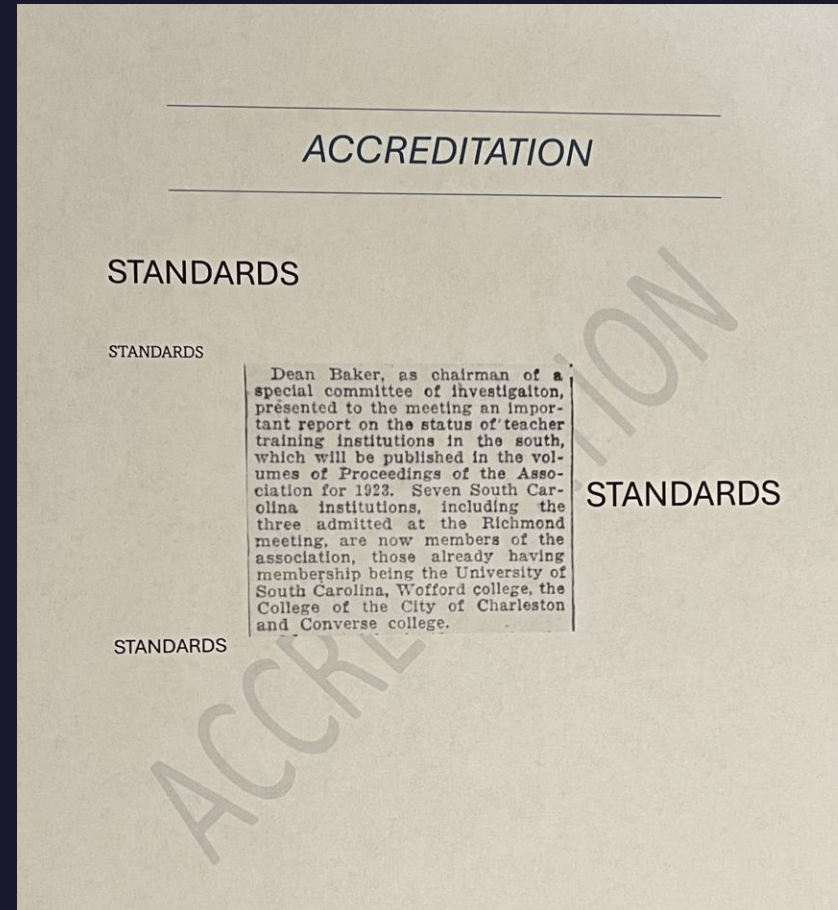
CLEMSON



Accreditation

WILLIAM DICKSON BARNETT

- B. S., textiles, 1910
- LLB, USC, 1913
- State legislator, 1920-24
- Trustee, 1920-1940
- Prepared application for accreditation
- Submitted December 1923



Necessity of Graduate Education

“Only a comparatively small percentage of your full professors hold graduate degrees as measured by the Association’s standards.”

Association of Colleges and Schools of the Southern States, 1923

Acting President Earle



NAVIGATING THE FALLS

- Clemson faculty enrolled in universities across the nation to earn graduate degrees.
- Top universities of choice included Cornell; the University of Wisconsin – Madison; Texas A & M; Alabama Polytechnic Institute (Auburn).



Average Faculty Pay in Southern Institutions

	DEANS/DIRECTORS	PROFESSOR	ASSOCIATE	ASSISTANT	INSTRUCTOR
Average	\$4,250	\$3,392	\$2,800	\$2,300	\$1,800
Clemson	\$3,650	\$2,808	\$2,288	\$2,035	\$1,625

Resilience requires the ability to bounce back from setbacks.

Reinvention requires revising perceptions and processes.

Clemson Admitted As Member Of South's Accredited Group

State College Gets Membership In Southern Association At Recent Meet

CLEMSON COLLEGE, Dec. 9.—(Special)—Clemson college is now a member of the Association of Secondary Schools and Colleges of the Southern States. Announcement of Clemson's membership to the association was made last week when Dr. Sikes, Dr. Daniel, and Prof. Washington appeared before a special committee of the association in session at Jacksonville, Florida, and presented to this committee ample proof that Clemson deserves a place among the accredited colleges of the Southland.

Almost a year ago, Clemson executives realized the advantages of membership in the association, and at that time began actual preparation to gain admittance. Before an institution is admitted into the association, a thorough investigation is made and reported to the officials for consideration. This investigation covers all phases of college activities; faculty members and training; entrance requirements; number of departments; number of degrees offered; class room work; library and laboratory facilities; athletics; clubs; organizations, etc.

Clemson seems to have stood the investigation with credits to spare, since she received membership to the

100 Men Gather For Textile Club Meet

With approximately 100 members in attendance, the regular meeting of the Greenville Textile club was held last night at Parker High school. A Christmas program with a visit from Santa Claus who distributed appropriate gifts to each member, featured the meeting. Miss Ellen Whitmire and Miss Louisa Greet gave readings.

Southern Association almost immediately upon application. Clemson is the tenth institution of South Carolina to be admitted to the membership of the association.

This is a decided forward step for Clemson, as it will mean a great deal to her graduates, and all others connected with the college. Men are accepted for graduate work in higher colleges according to the accredited rating of the school from which they have graduated. Clemson's membership in the Association of Southern Colleges will be a great aid to those who graduate and go to higher colleges for advanced study, or to those who apply for teacher's certificates in other states.

Every Clemson graduate will be directly benefitted by the association, as its activities and publications are directed to the assistance of the graduates of the accredited schools and colleges which constitute this membership.

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The Master's Degree: A Huge Matter of Concern

- **Types of master's degrees**

MA; MS; MSc; MRes; MbyRes; MPhil; MSt;
MBA; MPA; MLS; MLIS; MSLS; MSW; MPH;
MM/MMus; MFA; MALS; MLA/ALM; MLS;
LLM; Meng; Med; AEd; MIT; MAEd; MAT;
M.Arch; EdM; MHRD; MAGED; MENGGR;
MPH; MAL; MARCH; MCRP; MCSM;
MRED; MRUD; MLA; MORE ...

- **Teacher education**



TEACHER EDUCATION



“STAMPEDE”

Patrick Hobson

- Superintendent of York County Schools
- Superintendent of schools, Clover and McCormick
- Principal, Harris High School, Spruce Pines, North Carolina, 1948-1951



The Issue of Standards

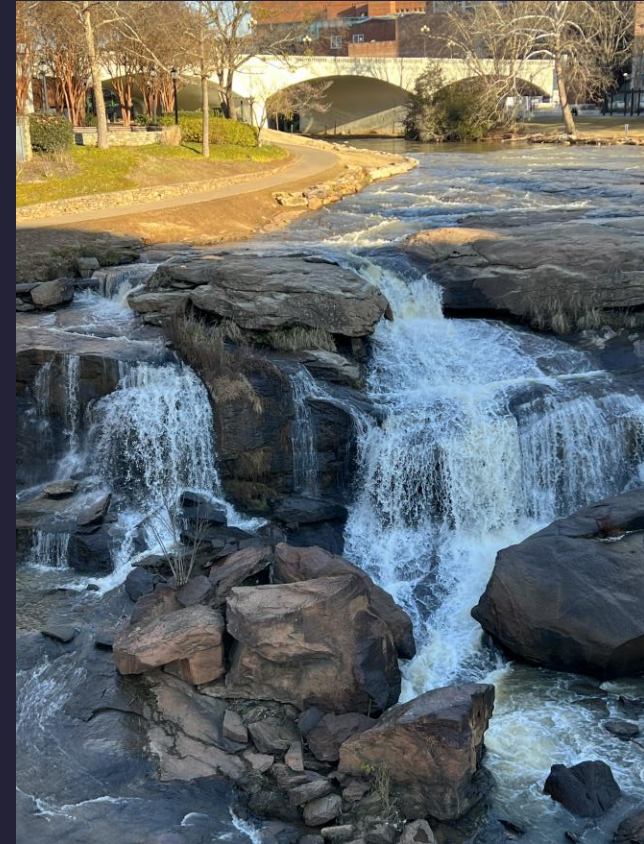
“I believe that we can at Clemson provide more appropriate training of these men ...”

W. H. Washington, Dean of Summer School



NAVIGATING THE FALLS

- Committee on Standards and Requirements of the Master's Degree
- Committee on Minimum Standards of the PhD Degree
- Committee on Teacher Education and Certification



THE GRADUATE
1950's-1980's

THE GRADUATE COMMITTEE

- ~10 person committee



Dr. Robert Franklin Poole
President, Clemson A & M College
1940-1958

- Shepherded graduate education from formative stage to its formal acceptance and establishment of the Graduate School
- The best \$10 the College spent on graduate education



Consultants Can Make You Change Your Mind!

The role of the trustees is unspecific

Span of supervision of the president is excessive (16 direct unit reports, including the 6 schools, the graduate school and library)

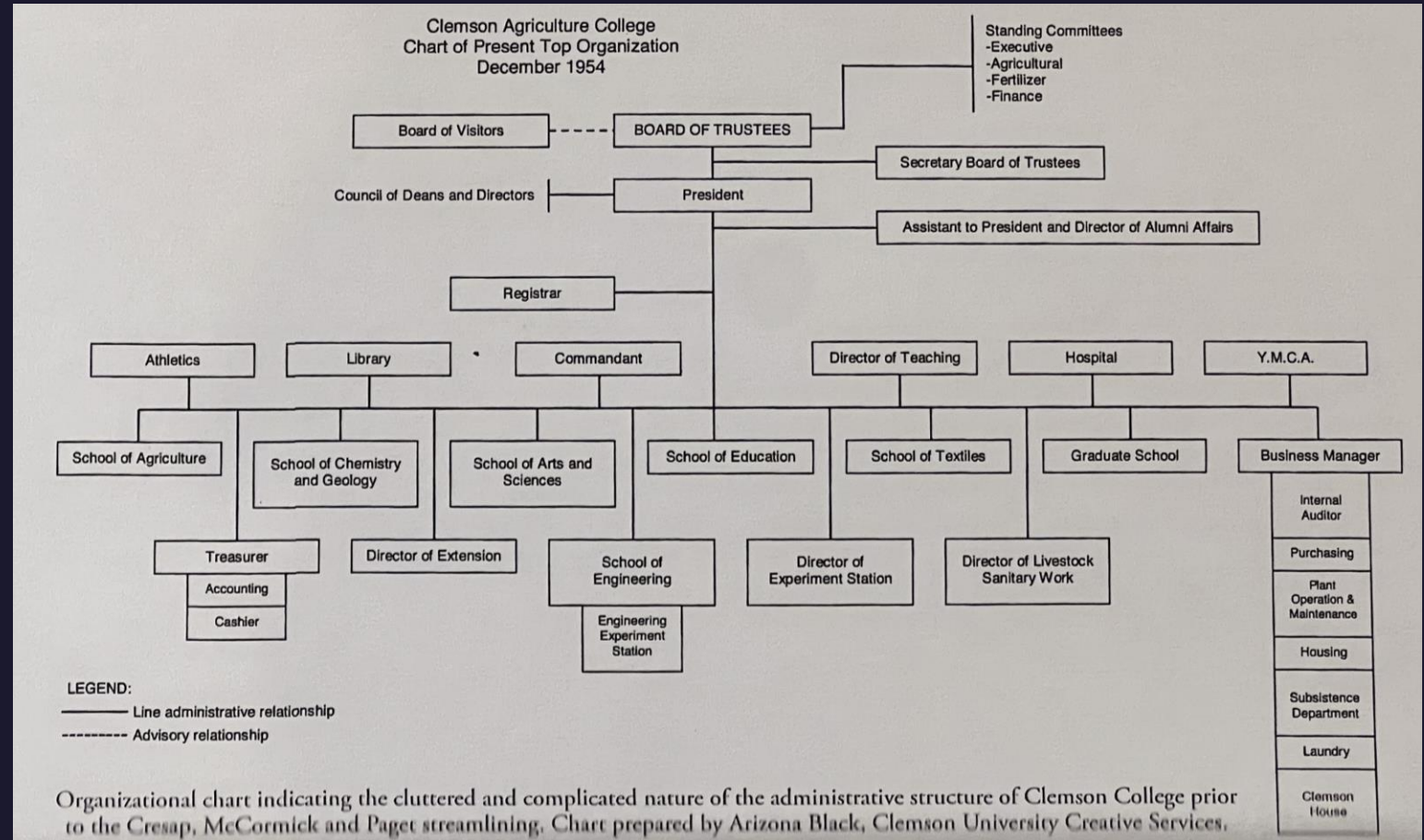
Lines of authority not clear

Number of committees is excessive

Faculty organization not effective

Board of Visitors not functioning as intended

Crucial central services not in place



FORCED TO CHANGE OR CHOICE TO CHANGE?

“Clemson has not kept pace, however, with the other land-grant colleges and universities in the training of graduate students, or even with the other colleges of the South. No other major white school of the land-grant family has so small a graduate program. In fact, very few of the colleges in the South, land-grant or not, private or public, have so small a program.” — Lloyd Capin (former Dean of Faculties at Georgia Institute of Technology and Special Consultant of the Southern Regional Education Board), 1957

Table II.--ENROLLMENT OF GRADUATE STUDENTS IN LAND-GRANT COLLEGES AND UNIVERSITIES DURING THE FALL OF 1953 COMPARED WITH FALL OF 1952

Institution	Enrollment		Fall 1953/ Fall 1952 Total Per Cent
	Fall 1952	Fall 1953	
1. Alabama	386	377	97.66
2. Alaska	12	11	91.66
3. Arizona	305	339	111.14
4. Arkansas	334	376	112.57
5. California, (Berkeley)	4399	4164	94.66
6. California, (U.C.L.A.)	3246	3457	106.49
7. Colorado	158	163	103.32
8. Connecticut	642	533	83.02
9. Delaware	685	919	134.16
10. Florida	1126	1158	102.84
11. Georgia	311	338	108.68
12. Georgia (I.T.)	239	277	115.89
13. Hawaii	505	658	130.29
14. Idaho	127	216 ^a	170.08
15. Illinois	3012	2761	91.66
16. Purdue, (Ind.)	1438	1496	104.03
17. Iowa	900	884	98.22
18. Kansas	332	373	112.34
19. Kentucky	582	732	125.77
20. Louisiana	874	959	109.72
21. Maine	65	76	116.92
22. Maryland	2102	2050	97.52
23. Massachusetts (I.T.)	1879	1640 ^b	87.27
24. Massachusetts	265	291	109.81
25. Michigan	1450	1453	100.20
26. Minnesota	2869	2911	102.51
27. Mississippi	168	200	119.04
28. Missouri	778	711	91.38
29. Montana	71	88	123.94
30. Nebraska	647	554 ^c	85.62
31. Nevada	26	18	69.23
32. New Hampshire	141	152	107.80
33. Rutgers, (N.J.)	468	743 ^d	158.76
34. New Mexico	210	189	90.00
35. Cornell, (N.Y.)	1275	1365	107.05
36. North Carolina	345	297	85.08
37. North Dakota	70	72	102.85
38. Ohio	2975	2812	94.52
39. Oklahoma	666	708	106.30
40. Oregon	421	427	101.42
41. Pennsylvania	1377	1335	96.94
42. Puerto Rico	410	560	136.59
43. Rhode Island	111	107	96.39
44. Clemson, (S.C.)	58	51	87.93

Graduate Degrees Summary, 1951-53

CONFERENCE OF DEANS OF SOUTHERN GRADUATE SCHOOLS
Annual Statistical Report
Nov. 1953

	On-Campus Students (Fall Only) Totals			Summer School Totals		Off-Campus Totals		Degrees Awarded			
	1951	1952	1953	1952	1953	1952	1953	Masters		Doctors	
								9/1/51	9/1/52	9/1/51	9/1/52
Alabama Poly. Inst.	361	394	377	474	525	17	2	197	211	0	0
Atlanta Univ.	384	586	445	1650	1388	0	360	156	116	0	0
Eaylor University	450	474	422	602	429	13	0	224	213	0	0
Cath. Univ. of Amer.	973	973	987	1305	1218	--	--	353	296	66	40
Clemson College	59	57	51	7	80	0	0	14	24	0	0
College of Wm. & Mary	29	39	(?)	159	(?)	--	--	16	(?)	--	(?)
Duke University	379	382	415	191	234	--	--	71	84	55	66
Emory University	264	218	230	368	338	365	482	132	123	4	6
Fisk University	71	68	50	140	120	0	0	23	30	0	0
Florida St. Univ.	777	874	817	1095	1129	--	--	209	238	5-	15
George Peabody Univ.	890	654	683	3003	2643	--	--	1044	864	33	27
Georgetown Univ.	687	691	619	230	238	--	--	57	48	30	41
Ga. Inst. of Tech.	208	239	277	128	128	0	0	74	73	5	13
Howard Univ.	289	208	207	35	80	--	--	43	68	--	--
Inst. of Tex. Tech.	11	20	18	0	0	0	0	0	8	0	0
La. State Univ.	635	574	966	1299	1284	4	4	367	380	29	46
Mercer Univ.	26	11	42	245	203	0	0	50	62	0	0
Miss. Southern Col.	252	254	258	683	629	21	20	152	176	0	0
Miss. St. Col.	277	224	204	501	530	86	29	145	143	0	2
N. C. Col. at Durham	119	80	119	970	1015	68	43	51	59	0	0
N. C. State Col.	346	345	297	230	262	--	--	111	120	11	17
Oak Ridge Inst.	--	--	--	--	--	--	--	2**	2**	8**	4**
Okla. A. & M.	730	666	708	1424	1457	841	810	371	466	22	23
Prairie View A & M	43	48	34	1285	1217	502	(?)	204	201	--	--
Rice Inst.	210	194	132	0	0	0	0	33	28	10	13
So. Meth. Univ.	601	484	385	628	311	357	440	193	202	0	0
Texas A & M	446	432	433	620*	590*	--	--	183	127	16	19
Tex. Christian Univ.	346	310	246	380	297	28	21	190	104	0	0
Tex. Southern Univ.	315	331	404	1719	1852	252	(?)	189	269	0	0
Tex. St. Col. for Women	46	94	128	360	497	6	0	59	76	0	3

	On-Campus Students (Fall Only) Totals			Summer School Totals		Off-Campus Totals		Degrees Awarded			
	1951	1952	1953	1952	1953	1952	1953	Masters		Doctors	
								9/1/51	9/1/52	9/1/51	9/1/52
Tex. Tech Col	556	639	579	876	832	150	100(?)	193	188	1	6
Tulane Univ.	340	288	313	157	152	--	--	53	52	22	26
Tuskegee Inst.	129	129	116	518	701	25	0	70	99	0	0
Univ. of Alabama	476	417	400	924	864	162	(?)	287	278	2	8
Univ. of Arkansas	375	334	376	1334	1273	540	438	414	432	0	8
Univ. of Florida	1153	1126	1166	1327	1261	670	(?)	446	367	38	60
Univ. of Georgia	332	311	338	879*	866*	782	(?)	209	211	6	2
Univ. of Kentucky	703	596	580	1219	1199	202	179	296	279	31	23
Univ. of Louisville	367	409	364	316	292	--	--	83	93	0	1
Univ. of Maryland	1378	1368	1493	1086	1074	733	857	340	295	67	63
Univ. of Miami	496	547	469	390*	409*	8	11	110	133	0	0
Univ. of Mississippi	210	249	214	448	488	39	41	139	130	0	2
Univ. of N. Carolina	1054	846	896	1180	1368*	65	70(?)	377	293	70	98
Univ. of Oklahoma	929	918	923	1591	1670	626	162	569	573	22	43
Univ. of S. Carolina	436	391	401	460	366	460	400(?)	138	137	1	1
Univ. of Tennessee	956	1089	1052	1261	1137	26	25(?)	302	274	18	44
Univ. of Texas	2413	2168	2094+	2832	2565	652	650(?)	566	513	132	142
Univ. of Tulsa	163	124	134	206	236	271	273	85	84	--	--
Univ. of Virginia	317	258	291	176	168	--	--	92	67	31	36
Vanderbilt Univ.	287	298	310	156	172	0	0	62	68	29	29
Virginia Poly. Inst.	179	199	180	178	205	0	11	98	120	5	7

* Cumulative for 2 terms.

Comparative Fall Enrollments Reported:

1940	--	9,705
1944	--	2,121
1946	--	9,949
1948	--	17,399
1950	--	24,281
1951	--	23,444
1952	--	22,629
1953	--	22,343

(Includes Atlanta, Fisk, Howard, N. C. at Durham, Prairie View, Tex. Southern and Tuskegee as new members.)
(Includes Georgetown and Miami as new members.)

(Slight upward adjustment expected.)

*Cumulative for 2 terms.
**Degrees granted by Universities: research only at Oak Ridge.



Dr. Hubert J. Webb

First Dean of the Graduate School, 1951-

“I would like to try the job ...”

“... [a] chief obstacle that the Graduate Committee has met in formulating standards, etc. has been the lack of experience of a graduate character on the part of its members ...”

“... If you will attend and participate in its meeting when possible ...”

The Real “First” Women Graduate



Lois Patrick receives her Master’s Degree diploma, 1950

LOIS VIRGINIA WATKINS PATRICK

LILLIAN CAROLINE PROBST

M.S., Education, June 4, 1950


~~~~~&~~~~~

ELISHA MONROE RAILINGS


M.S., Vocational Agricultural Education, August 12, 1950

# This was Clemson then . . .

## SCHOOL OF Vocational Education



View of new work bench in shop.



John and Paul - study of welding with the new tool.


- Vocational Agricultural Education
- Industrial Education
- Education

The School of Vocational Education, one of the leading schools at Clemson, provides, trains, and assists those who plan to follow a vocation. It is a varied course in which the curriculum of the school is the primary goal. The program is designed to give the student a broad base of knowledge in the vocational field. The program is designed to give the student a broad base of knowledge in the vocational field. The program is designed to give the student a broad base of knowledge in the vocational field.




## SCHOOL OF Agriculture

- Agriculture Economics
- Agricultural Engineering
- Agronomy
- Animal Husbandry
- Botany
- Dairy
- Entomology
- Horticulture
- Poultry
- Pre-Forestry



"Q" boys of the Ag House pose during their initiation.



Freshmen start at the bottom and work up in this Botany class.


The Clemson School of Agriculture has come a long way since it was first provided for in the will of Thomas G. Clemson. Some of the biggest men in the field have received their educations at Clemson. It is no wonder that we have had such outstanding success with men like Dean H. P. Cooper, Lord Collins, "Big Ben" Goodale, Doctor Aull, etc., at the controls in this vast program of education.

Influence of the Clemson School of Agriculture is greatly felt by the farmers and farm specialists throughout the State of South Carolina. Bulletins, pamphlets, and other sources of information, sent out from time to time, prove of invaluable service to the rural families of the state.




## SCHOOL OF Engineering

- Architecture
- Architectural Engineering
- Ceramic Engineering
- Chemical Engineering
- Civil Engineering
- Electrical Engineering
- Mechanical Engineering



View of new work bench in shop.



John and Paul - study of welding with the new tool.

The engineering school at Clemson is composed of the individual schools of civil, mechanical, and electrical engineering. All departments, as well as the school of architectural engineering, are housed in the new, modern building, the "College House," by the new entrance to the campus. The school is the only one in the state which synthesizes the work of this, one of the highest schools of study at Clemson.

Some of the men who have received their education at Clemson are: Dean H. P. Cooper, Lord Collins, "Big Ben" Goodale, Doctor Aull, etc., at the controls in this vast program of education.

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THIS IS CLEMSON  
NOW!

## CLEMSON GRADUATE PROGRAMS and CENTERS, SPRING 2024

| COLLEGES                                  | DOCTORATE   | MASTER'S    | SPECIALIST | CERTIFICATE | CENTERS | Non-DEGREE |
|-------------------------------------------|-------------|-------------|------------|-------------|---------|------------|
| Architecture, Arts & Construction         | 2           | 9           |            | 1           | 1; 1*   |            |
| Arts & Humanities                         | 2           | 3           |            |             |         |            |
| Agriculture, Forestry, & Life Sciences    | 6           | 9           |            |             |         | 1          |
| Business                                  | 3           | 8           |            |             | 1*      |            |
| Behavioral, Social & Health Sciences      | 8           | 9           |            | 5           |         |            |
| Engineering, Computing & Applied Sciences | 16          | 24          |            | 3           | 4       | 1          |
| Science                                   | 9           | 11          |            |             | 1       | 1          |
| Education                                 | 6           | 13          | 3          | 3           |         | 1          |
| Interdisciplinary                         |             | 2           |            | 1           |         |            |
| <b>Enrollment = 5,346</b>                 | <b>1886</b> | <b>3232</b> |            | <b>59</b>   |         | <b>169</b> |
| Programs by Degree                        | 52          | 88          | 3          | 12          | 7       | 4          |

The way it's supposed to be . . .

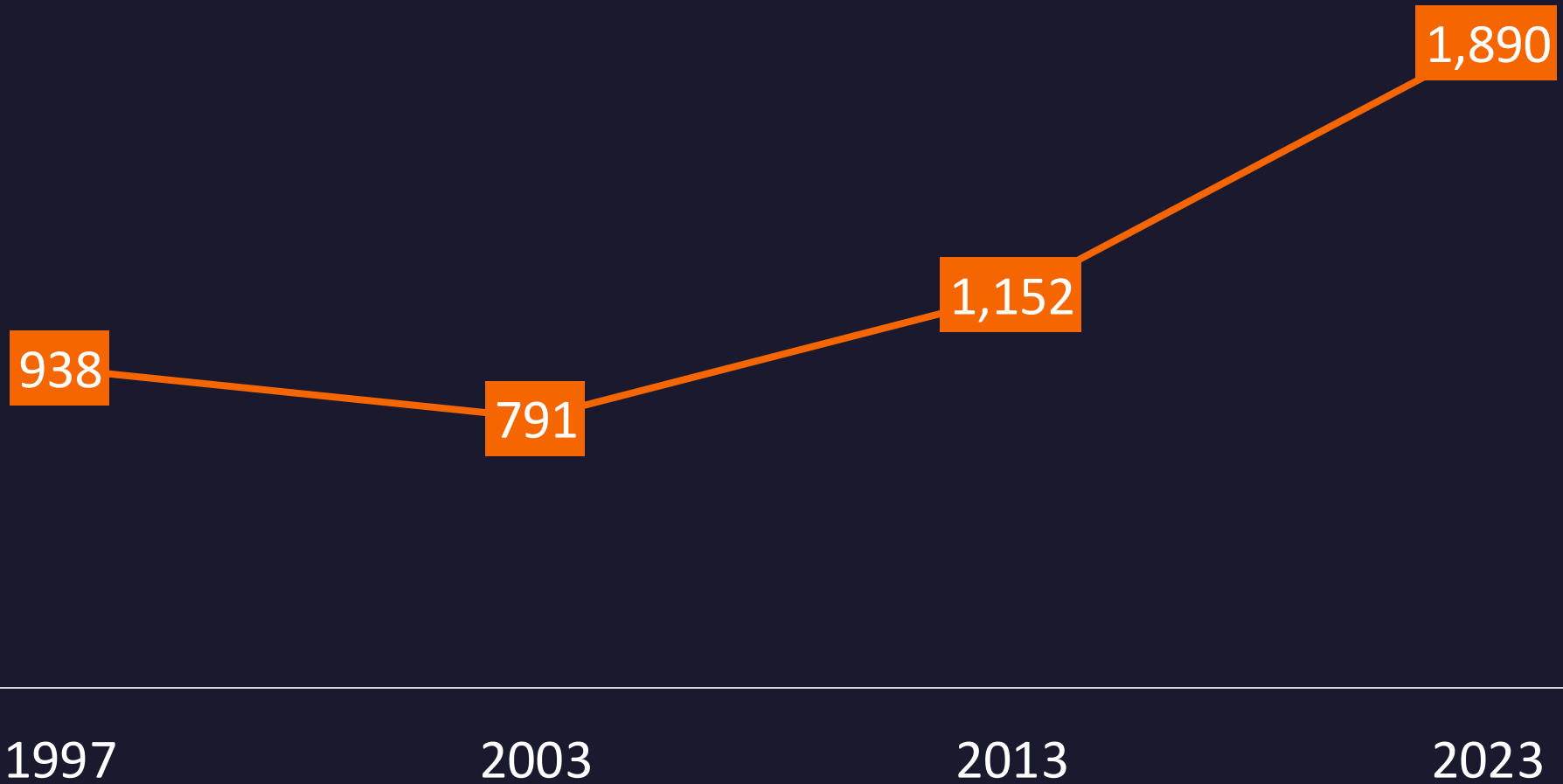
Clemson – SC State Partnership

“the two land-grant institutions of South Carolina”



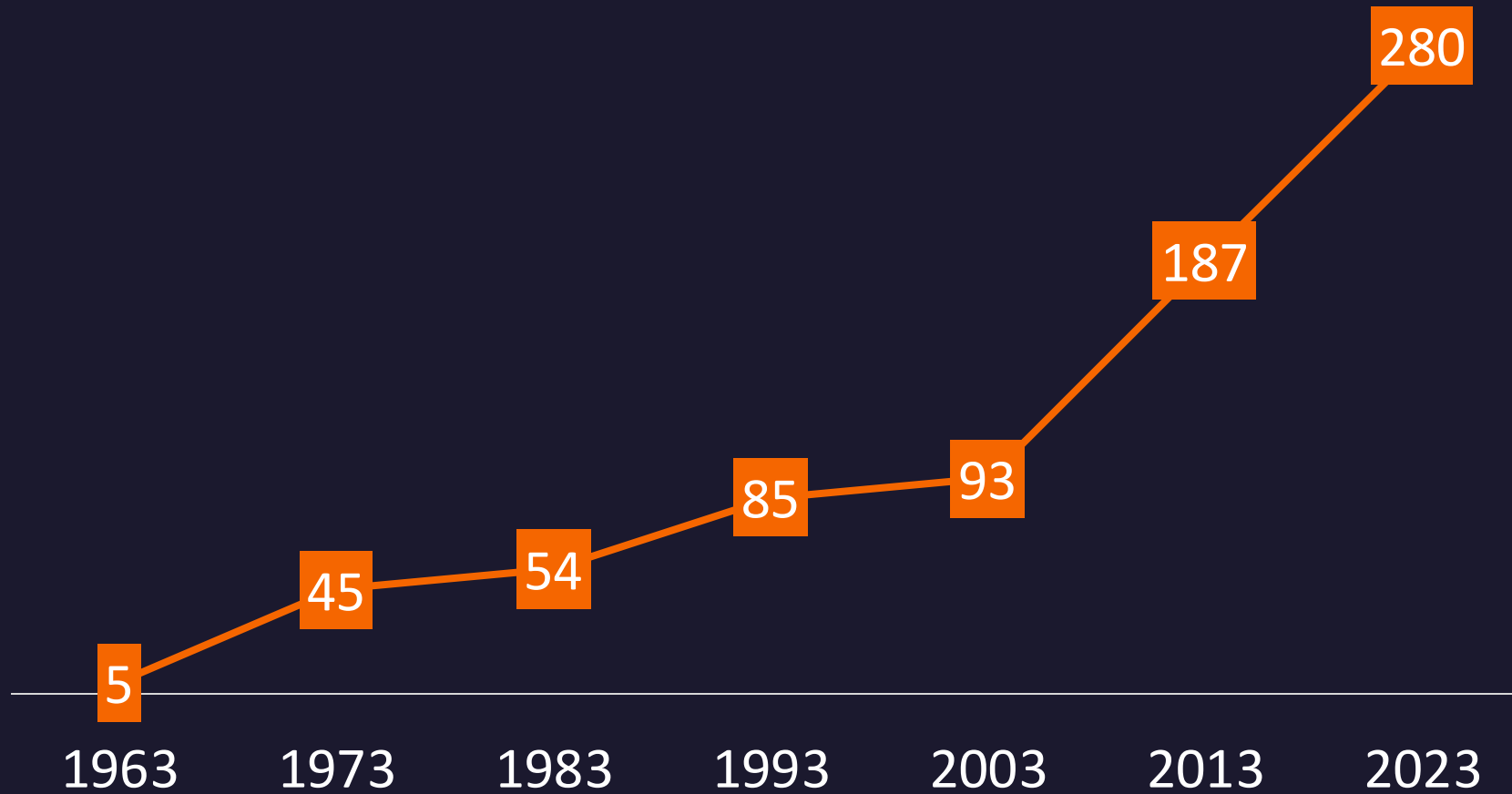


# Master's Degrees Awarded at Clemson/yr



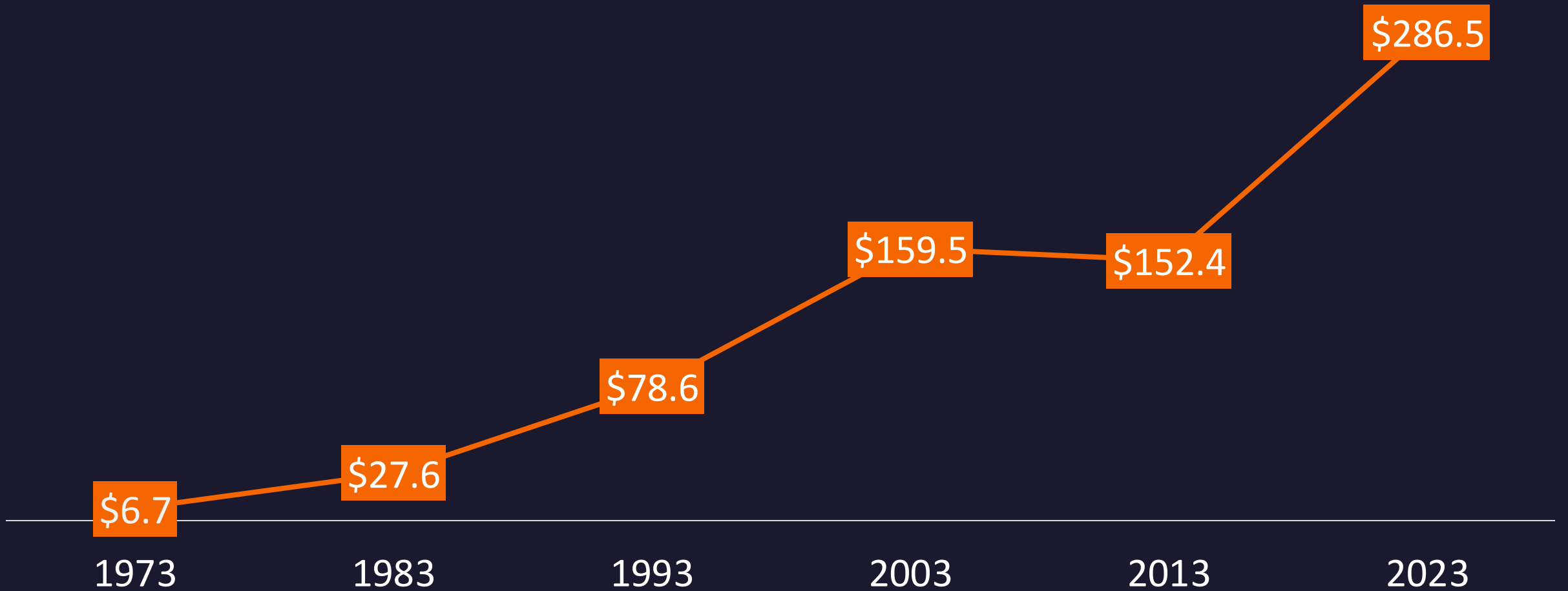
SOURCE: National Science Foundation Higher Education Research and Development Survey

## Ph.D.'s Degrees Awarded at Clemson/yr



SOURCE: National Science Foundation Higher Education Research and Development Survey

## Total R&D Expenditures at Clemson (in millions)

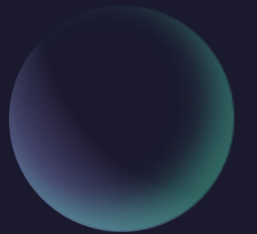


SOURCE: National Science Foundation Higher Education Research and Development Survey

# Reinvention in Graduate Education

All falls require resilience ...

The biggest falls require *re-invention* ...



# Without graduate education . . .



## **“NAVIGATING THE FALLS”**

What Value \_\_\_\_\_

\_\_\_\_\_ has been . . .

\_\_\_\_\_ could be . . .

\_\_\_\_\_ should be . . .

the Reflection, Resilience,  
and Reinvention in Graduate Education?



Coming soon . . .

*Tensions and Progress: Graduate Education  
and the Evolution to a University*

*by Frankie Felder, Senior Associate Dean of  
the Graduate School, Emeritus*

# Thank You!

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