

1870-71

*Washington and Lee
University
Lexington, Va*

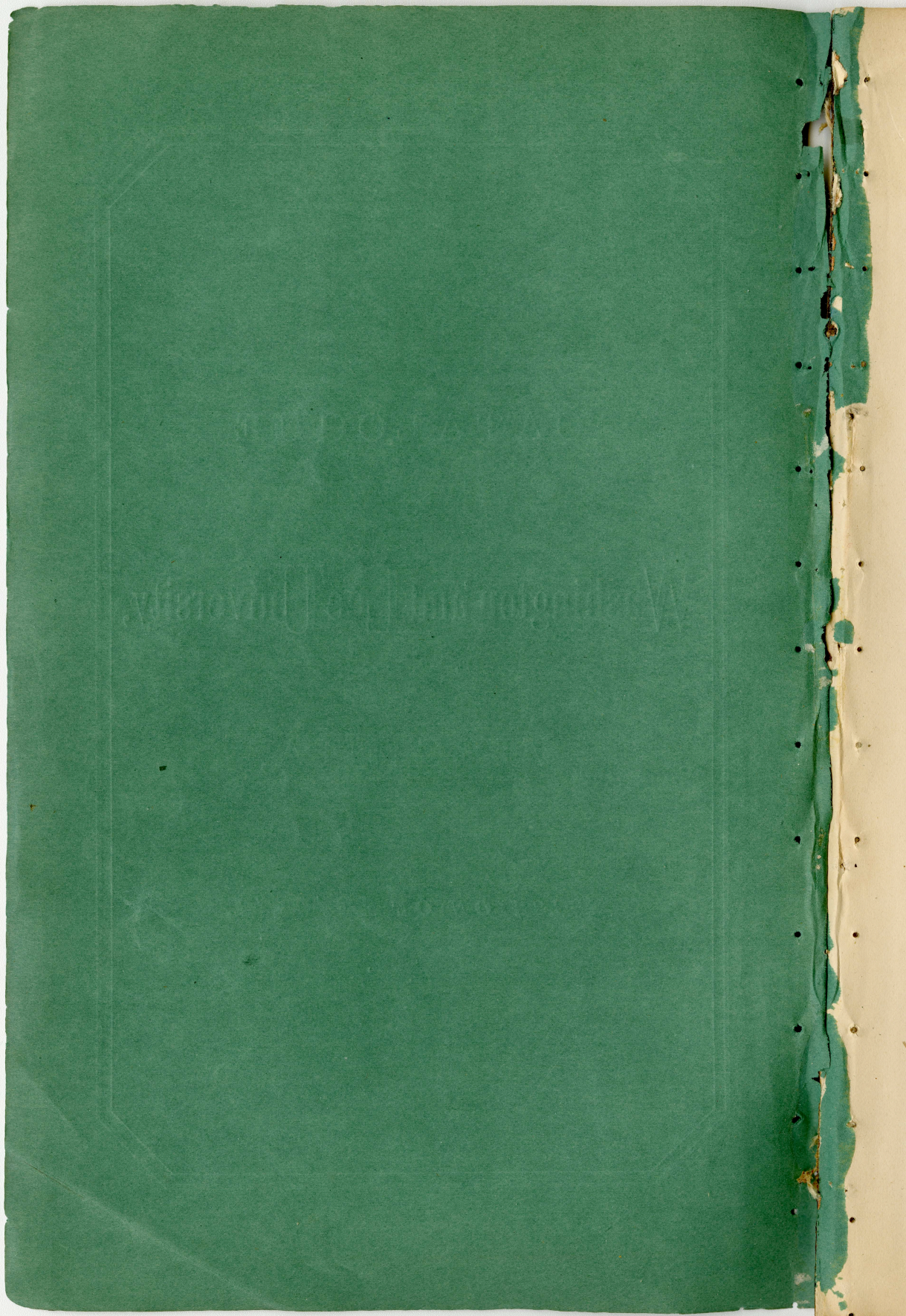
CATALOGUE

OF

Washington and Lee University,

VIRGINIA,

SESSION OF 1870-71.



CATALOGUE

OF

Washington and Lee University,

VIRGINIA,

FOR THE

YEAR ENDING JUNE, 1871.

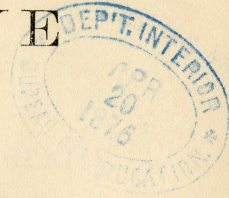
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1871.



Organization of the University.

IN the organization of this University, the essential principles of the organization of Washington College, as it has heretofore existed, have been retained; but this organization has been expanded, as it will be in future also still further enlarged, to meet the higher requirements of university education. The University is thus made to grow naturally out of the College, by the simple expansion of its schools, and the two departments mutually sustain and supplement each other. By thus recognizing and extending the distinction between collegiate and university instruction, the Trustees have hoped to secure a firm basis for the development of the University, while the organization and life of the College will be maintained unbroken.

The essential features of the Organization are:—1. The arrangement of the course of study into distinct elective Schools remains as heretofore; but the number of these schools will be, with the growth of the University, still further increased, and the course of instruction in each enlarged. Students may elect their own studies; but in each school there is a prescribed course, which the student is required to pursue according to the degree of his preparation. Promotion is accorded only upon actual attainments, and certificates are conferred only at the end of the complete course, upon rigorous and thorough examination. The requirements and the incitements of collegiate study and discipline are thus maintained undiminished throughout all the schools of the University.

2. The adaptation of the several schools, in their relations to each other, to certain *courses of study*, to each of which is attached

a corresponding Degree. Students are encouraged, as far as possible, to pursue and complete some one of these several courses. The degrees of BACHELOR OF ARTS, BACHELOR OF SCIENCE, and BACHELOR OF PHILOSOPHY, which are the Collegiate Degrees of the University, are founded upon these respective courses of study, and each embraces a combination of required with elective studies, so as to allow the largest liberty consistent with a thorough culture. The degree of MASTER OF ARTS, which is the University Degree proper in the academic course, is founded upon the highest attainments in the several schools, and is open to the graduates in any of the Baccalaureate Degrees, on completing the prescribed requirements. The University Degrees of CIVIL ENGINEER, MINING ENGINEER, and BACHELOR OF LAW are attached to the several professional schools. No degrees are conferred *in course*; but all are based upon actual attainments in a completed course of study.

This organization is believed to offer the best combination of the advantages of both the elective and the prescribed systems of study, and to furnish a basis for the highest development of university instruction through the natural increase and extension of the collegiate schools.

The system of Honors, Prizes, &c., has been retained essentially as heretofore, and is adapted to the encouragement of general scholarship as well as of distinguished proficiency in particular branches. The Trustees look forward, however, to the early establishment of an enlarged system of University Honors, Prizes, &c., as well as to the inauguration of distinct courses of University Lectures, in addition to the regular courses of instruction. The efficiency and flexibility of the present organization having been already confirmed by experience, the advantages and privileges of the University will be enlarged, as rapidly as its means shall permit, in every direction demanded by the interests or wants of the country.

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JACOB FULLER, SECRETARY,	<i>Lexington,</i>	June 21, 1870.
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7

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WILLIAM DOLD,
LIBRARIAN AND CLERK OF FACULTY.

CAPTAIN WALTER BOWIE,
PROCTOR.

*

Catalogue of Students.

ABBREVIATIONS.

L.— <i>Latin.</i>	S.— <i>Spanish.</i>	M.— <i>Mathematics.</i>
G.— <i>Greek.</i>	H.— <i>History.</i>	A. M.— <i>Applied Mathematics.</i>
E.— <i>English.</i>	M. P.— <i>Moral Philosophy.</i>	N. P.— <i>Natural Philosophy.</i>
F.— <i>French.</i>	LIT.— <i>Literature.</i>	C.— <i>Chemistry.</i>
GER.— <i>German.</i>		B. S.— <i>Business School.</i>

NAME.	RESIDENCE.	STUDIES.	SESS.
Adamson, John	<i>Little Rock, Ark.</i>	L., E., F., M.,	2
Alderson, William Burton	<i>Idaho City, I. T.</i>	L., F., M.,	1
Aldrich, James	<i>Barnwell C. H., S. C.</i>	L., G., M., F., E., B. S.,	2
Alexander, James William	<i>Rockbridge Co., Va.</i>	L., M., E., F.,	1
Allen, Richard Henry	<i>Memphis, Tenn.</i>	L., G., E., M.,	1
Alley, Lewis Samuel	<i>Frankfort, Ky.</i>	L., E., GER., M.,	1
Anderson, Charles Edwin	<i>Waco, Texas.</i>	L., G., M.,	1
Anderson, James Thomas	<i>Allensville, Ky.</i>	L., G., F., M. P., A. M.,	4
Austin, Sterling Tucker	<i>Providence, La.</i>	M. P., LAW,	1
Austin, Alva Ava	<i>Lexington, Mo.</i>	E., F., LIT., C.,	2
Ayres, William Cook	<i>New Orleans, La.</i>	F., M., A. M.,	3
Balfour, William Lovette	<i>Natchez, Miss.</i>	L., E., F., GER., B. S.,	2
Barclay, Howard Williams	<i>Lexington, Va.</i>	L., G., F., M.,	2
Barclay, Julius Preston	<i>Bowling Green, Ky.</i>	L., G., F., M.,	2
Barr, James Goodin	<i>Gallatin, Tenn.</i>	L., G., E., M.,	3
Barr, Robert Wilson	<i>Gallatin, Tenn.</i>	L., G., E., M.,	3
Bartlette, Talbot Iryl	<i>New Orleans, La.</i>	G., E., GER., M., H., N. P., M. P.	2
Barton, James Jenifer	<i>Fredericksburg, Va.</i>	L., G., F., M.,	2
Bateman, Andrew Quintilian	<i>Jefferson, Texas.</i>	L., G., E., M.,	1
Battle, Thomas Elbridge	<i>Waco, Texas.</i>	E., F., C., M. P., A. M.,	3
Beall, Frank Charles	<i>Frostburg, Md.</i>	E., F., GER., H.,	1
Beckwith, Robert Watrus	<i>Hyde Co., N. C.</i>	L., E., M.,	1
Beggs, William Emerson	<i>Livingston, Ala.</i>	LAW,	1
Bell, Alexander Nelson	<i>Rockbridge Co., Va.</i>	E., F., M., C.,	3
Bennett, Charles Stone	<i>Charleston, S. C.</i>	F., M., A. M.,	5
Bennett, William Jefferson	<i>Charleston, S. C.</i>	C., N. P., A. M.,	5
Berkeley, Lewis	<i>Loudon Co., Va.</i>	L., G., F., E., M.,	2
Bettis, Benjamin W.	<i>Edgefield Co., S. C.</i>	L., G., M.,	1
Blackmar, John Dexter	<i>St. Louis, Mo.</i>	L., F., M.,	3
Blanding, James McFaddin	<i>Sumter, S. C.</i>	E., F., M., H., M. P.,	1

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9

NAME.	RESIDENCE.	STUDIES.	SESS.
Bledsoe, Isaac Pipkin	Augusta, Ark.	F., N. P., M., A. M.,	3
Boyd, Andrew Hunter	Winchester, Va.	LAW,	3
Boyle, William	Albia, Iowa.	L., G., E., M., C.,	1
Bowie, Walter Russell	Lexington, Va.	L., G., M.,	1
Bradford, Robert Fort	Tallahassee, Florida.	L., G., M.,	1
Brockenbrough, Frank H.	Lexington, Va.	LAW,	4
Brown, James Frank	Louisville, Geo.	E., F., S., M., B. S.,	2
Brown, Clinton Capers	Barnwell C. H., S. C.	L., E., F., M.,	2
Buford, Frank Giddens	Buford's Station, Tenn.	L., G., F., M., H.,	2
Burbank, Charles Mynn	Henderson, Ky.	L., E., M.,	2
Burnett, Henry Oscar	Crockett, Texas.	L., E., GER., M.,	3
Butler, William Monroe	Nashville, Tenn.	L., F., E., M., B. S.,	2
Cabell, Ashley	New York City, N. Y.	LAW, LIT., H., E.,	2
Caldwell, James Thomas	Campbellsville, Ky.	C., N. P., H., LIT.,	4
Calhoun, John Caldwell	Richmond, Ala.	C., N. P., A. M., M., G.,	4
Campbell, Edmund Douglass	Lexington, Va.	L., E., M.,	2
Campbell, John Lyle	Lexington, Va.	L., G., M.,	3
Campbell, Isaac Newton	Rockbridge Co., Va.	L., G., E., M.,	2
Campbell, John Moreland	Greenville, S. C.	E., F., M., B. S.,	2
Carter, Hardy Stricklin	Ripley, Miss.	L., G., M.,	1
Cecil, Micajah Howe	McAfee, Ky.	L., G., F., E.,	1
Chaney, Leonidas Beverly	Allen Co., Ky.	L., G., E., M.,	2
Chandler, DeLacy Morgan	Rockbridge Co., Va.	L., G., F., GER., M.,	2
Chandler, Walter Temple	Rockbridge Co., Va.	L., G., F., GER., M.,	1
Chester, Samuel Hall	Mt. Holly, Ark.	L., G., F., M.,	2
Childers, William Burr	Pulaski, Tenn.	L., G., F., GER., M.,	1
Christy, Joe Socrates	St. Louis, Mo.	E., F., GER., M.,	1
Clarke, Edward Price	St. Louis, Mo.	C., M. P., M.,	4
Coleman, Nathan	St. Louis, Mo.	F., GER., M., C.,	2
Collins, Robert Eli	St. Louis, Mo.	L., G., F., E., M.,	2
Connella, Thomas Lane	Marion, Ala.	M., P., LAW,	1
Cozart, John Pettus	Washington, Geo.	E., F., H., B. S.,	1
Craig, Anderson	Ghent, Ky.	E., F., GER., M.,	1
Craig, George Samuel	Augusta Co., Va.	L., G., M.,	1
Crawford, George Bourland	Augusta Co., Va.	F., GER., C., M. P., LIT.,	3
Crawford, George Edgar	Camden, Ala.	L., G., E., M.,	1
Cuny, Miner Philip	Austin Co., Texas.	L., F., E., M.,	2
Dabney, William Anderson	Atlanta, Geo.	L., G., F., M.,	3
Davis, Garrett Morrow	Paris, Ky.	L., G., M.,	2
Davison, Percy Glentworth	Lexington, Va.	E., F., C.,	2
Dawson, Joshua Martin	Columbus, Ohio.	L., G., GER., M.,	1

NAME.	RESIDENCE.	STUDIES.	SESS.
Day, William Roscoe	<i>Trenton, Ky.</i>	L., F., H., M.,	2
Dazey, George Allen	<i>Farmington, Tenn.</i>	F., GER., C., A. M.,	2
Desha, Cave	<i>Cynthiana, Ky.</i>	F., GER., M., N. P., A. M., C.,	3
Desha, Lucius, Jr.	<i>Cynthiana, Ky.</i>	LAW,	4
DeSaussure, Lloyd Champion	<i>Camden, S. C.</i>	F., M., C.,	2
Dickey, Thomas Alexander	<i>Boone Co., Ky.</i>	L., G., F., M.,	1
Dixon, Frank Morgan	<i>Rockbridge Co., Va.</i>	L., F., M.,	2
Donald, John Crosby	<i>Belleville, Ala.</i>	L., T., F., M.,	2
Downs, Mortimer Charlie	<i>Waco, Texas.</i>	L., F., E., M.,	2
Dunlap, William Madison	<i>Rockbridge Co., Va.</i>	E., M., N. P., A. M.,	4
Dunwoody, John Henry	<i>Washington, Geo.</i>	E., F., GER., M.,	3
Duvall, Henry	<i>Frankfort, Ky.</i>	E., H., M.,	2
Edmundson, Clarence	<i>Pulaski, Tenn.</i>	L., G., F., M.,	1
Effinger, Gerard Morgan	<i>Rockbridge Co., Va.</i>	E., F., M., A. M., C.,	2
Effinger, Lucian Grigsby	<i>Rockbridge Co., Va.</i>	L., G., F., M.,	1
Emanuel, Morris	<i>Vicksburg, Miss.</i>	L., F., H., M.,	1
English, Peyton Danley	<i>Little Rock, Ark.</i>	LAW,	1
Epes, Theodrick Pryor	<i>Nottoway Co., Va.</i>	L., G., F., M.,	1
Eustis, Walter Langdon	<i>Natchez, Miss.</i>	F., M., A. M., C.,	1
Fair, John Simeon	<i>Newberry, S. C.</i>	L., E., F., GER., B. S.,	2
Farmer, Shepard Mills	<i>Monroe, La.</i>	F., M., C., A. M.,	2
Farrar, Howard	<i>Madison Par., La.</i>	GER., H., C., M. P., LIT.,	2
Ferguson, Harvey Butler	<i>Pickensville, Ala.</i>	L., G., M.,	2
Field, Edmund	<i>Marshall, Mo.</i>	E., F., GER., S., M.,	1
Field, Frank	<i>Arrow Rock, Mo.</i>	L., G., GER., M.,	1
Fisher, Frederick Kenner	<i>Matagorda, Texas.</i>	E., H., C.,	3
Fisher, Samuel Rhoads	<i>Matagorda, Texas.</i>	M. P., LIT., H.,	3
Fisher, Turner Thompson	<i>Paris, Ky.</i>	H., C., M.,	2
Fleming, Robert Hanson	<i>Highland Co., Va.</i>	F., G., A. M., C.,	4
Fletcher, John	<i>Little Rock, Ark.</i>	LAW,	1
Ford, Burette Beverly	<i>Cumberland Co., Va.</i>	L., G., F., M.,	2
Fulton, William	<i>Mobile, Ala.</i>	LAW, GER., E.,	1
Fretwell, Benjamin Risher	<i>Port Lavaca, Texas.</i>	E., F., H., M.,	1
Gallaher, Hugh Lawrence	<i>Waynesboro', Va.</i>	L., F., M.,	1
Gay, John Henderson	<i>New Orleans, La.</i>	F., L., GER., M.,	1
Gibson, Gilbert Burton	<i>Fauquier Co., Va.</i>	LAW,	4
Gomez, Eusebio Adolphe	<i>New Orleans, La.</i>	E., F., GER., C.,	3
Goodloe, John Calvin	<i>Colbert Co., Ala.</i>	L., H., M.,	2
Gordon, Thomas Robert	<i>Scott Co., Ky.</i>	L., G., M.,	1
Gorman, Walter	<i>La Grange, Tenn.</i>	G., F., M.,	2
Graham, Edward Alfred	<i>Montgomery, Ala.</i>	L., G., M.,	1

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11

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2	Grasty, Thomas Percy	<i>Shelbyville, Ky.</i>	L., G., F., M.,	1
2	Gray, William Winbourn	<i>Nashville, Tenn.</i>	G., C., M. P., B. S.,	3
3	Gray, Ormsby	<i>Frankfort, Ky.</i>	L., E., GER., M., F.,	1
4	Green, John	<i>Little Rock, Ark.</i>	LAW,	4
2	Green, Joseph Nathaniel	<i>Lexington, Texas.</i>	L., E., GER., M.,	2
1	Green, William F.	<i>Little Rock, Ark.</i>	L., G., F., M.,	2
2	Guice, Jacob	<i>Natchez, Miss.</i>	LAW,	1
2	Guthrie, Edgar Lehigh	<i>Paris, Ill.</i>	L., F., M. P., C.,	2
2	Guthrie, John Blair	<i>Augusta Co., Va.</i>	L., G., F., C.,	2
4	Guthrie, Walter Craig	<i>Augusta Co, Va.</i>	L., G., E., M.,	1
3	Haislip, R. Drake	<i>Camden, Ark.</i>	L., G., GER.,	3
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1	Harman, Mike Garber	<i>Staunton, Va.</i>	L., G., E., M.,	1
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1	Harrison, Isham	<i>Waco, Texas.</i>	L., G., S., M.,	1
1	Harwood, Marmaduke	<i>St. Louis, Mo.</i>	E., F., H., M.,	1
1	Hearne, John Randolph	<i>Robertson Co., Texas.</i>	L., G., F., M.,	1
1	Heiskell, Frederick Hugh	<i>Memphis, Tenn.</i>	L., F., C. M.,	1
1	Henderson, Frank Wilson	<i>Houston, Texas.</i>	L., G., C., M.,	5
2	Henderson, Arthur Taylor	<i>Williamstown, W. Va.</i>	L., E., F., M.,	3
2	Heyward, Walter Izard	<i>Charleston, S. C.</i>	E., F., C., N. P., A. M.,	2
2	Hicks, Richard Lowrie	<i>Wrightsville, Geo.</i>	E., M., N. P., A. M.,	3
2	Hill, Henry Key	<i>Independence, Mo.</i>	E., F., GER., M., B. S.,	1
1	Hogue, William Franklin	<i>Marion, Ala.</i>	L., G., M.,	2
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3	Houston, A. Coray	<i>Monroe Co., W. Va.</i>	LAW,	3
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2	Hull, Henry Bascom	<i>Marion, Va.</i>	L., G., E., F.,	1
4	Hunter, Donnell Ware	<i>Natchez, Miss.</i>	L., E., F., S., M.,	2
1	Hurt, William Harrison	<i>Galveston, Texas.</i>	C., GER., M.,	2
2	Iverson, James Smith	<i>Macon, Geo.</i>	L., F., GER., M.,	2
1	Jackson, John Tucker	<i>Anderson Co, Texas.</i>	L., M., G.,	1
1	Jackson, Thomas Moore	<i>Clarksburg, W. Va.</i>	L., E., M., A. M.,	1
1	Jemison, Samuel Hunter	<i>Macon, Geo.</i>	L., E., F., M.,	2
1	Jenkins, William Dunbar	<i>Adams Co, Miss.</i>	C., M., A. M.,	3
4	Jenkins, Wm. Thornton T.	<i>Platte City, Mo.</i>	L., E., M.,	1
3	Johnson, Richard M.	<i>Nineveh, Ind.</i>	LAW,	2
2	Johnson, William Dickey	<i>Columbia, Ark.</i>	L., G., F. M.,	2
1	Johnson, Joseph Burton	<i>Fairfield, Texas.</i>	F., GER., M.,	1
2	Johnson, William S.	<i>Memphis, Tenn.</i>	L., G., E., M. P.,	1
1	Jones, Bland	<i>Lexington, Ky.</i>	L., E., M.,	1

NAME.	RESIDENCE.	STUDIES.	SESS.
Jones, William Strother	<i>Fauquier Co., Va.</i>	L., G., F., M.,	1
Jordan, Seth Norton	<i>Columbus, Geo.</i>	L., G., F., M.,	2
Keithly, Calvin Harrison	<i>Carrollton, Mo.</i>	F., GER., M., C., A. M.,	1
Kennedy, Belton O'Neal	<i>Camden, S. C.</i>	E., F., GER., S., M.,	2
Kernan, Thomas Jones	<i>Clinton, La.</i>	L., G., F., GER., M.,	2
Kerr, Wallace Keene	<i>Claiborne Par., La.</i>	E., F., S., H., C.,	2
Kirchhoff, Frederick Wm.	<i>New Orleans, La.</i>	E., F., H., B. S.,	1
Kinckle, William Henry	<i>Lynchburg, Va.</i>	G., GER., S.,	3
Kirtlank, Edward Mansfield	<i>Memphis, Tenn.</i>	E., F., GER., C.,	2
Kirkpatrick, John Alexander	<i>Lexington, Va.</i>	LIT., H., LAW,	4
Kittredge, Francis Robert	<i>Napoleonville, La.</i>	E., F., H., M. P.,	3
Klipstein, Berkley Ward	<i>Bloomington, Md.</i>	E., F., GER., M. C.,	1
Kruttchnitt, Julius	<i>New Orleans, La.</i>	E., F., M., C., A. M.,	1
Kruttchnitt, Ernest Benj.	<i>New Orleans, La.</i>	LAW,	4
Lacy, John Alexander	<i>St. Louis, Mo.</i>	N. P., C., GER., LAW,	5
Langworthy, James Samuel	<i>Clinton, La.</i>	L., F., G., M.,	1
Leche, David	<i>Winchester, Va.</i>	E., H., M.,	1
Ledoux, Alphonse	<i>Paris, France.</i>	E., F., GER., C.,	1
Lee, Charles Green	<i>New Orleans, La.</i>	E., F., GER., M., H., LIT.,	3
Lee, John Wallace	<i>Nolin, Ky.</i>	L., G., H., E.,	1
Leon, Henry Dearing	<i>Augusta, Geo.</i>	L., E., F., M., B. S.,	2
Lewis, Frank Walton	<i>Augusta Co., Va.</i>	F., C., M. P., N. P.,	4
Lewis, John Stacker	<i>Clarksville, Tenn.</i>	L., GER., M., C.,	3
Lewis, William Dickinson	<i>Kanawha Salines, W. Va.</i>	L., C., M., B. S., E.,	1
Lillard, Robert Whitley	<i>Stanford, Ky.</i>	L., G., GER., F., C.,	3
Lincoln, John K.	<i>Plattsburg, Mo.</i>	L., E., F., M.,	1
Link, John Newton	<i>Palestine, Texas.</i>	L., G., M.,	1
Logan, Emmett Garvin	<i>Shelbyville, Ky.</i>	F., GER., G., M. P., LIT.,	2
Logan, John Lewis	<i>Roanoke Co., Va.</i>	N. P., H., LIT., GER.,	4
Long, Malcolm Graeme	<i>Russellville, Ky.</i>	GER., E., M., B. S.,	2
McChesney, Jacob Newton	<i>Staunton, Va.</i>	L., G., E., F.,	3
McChesney, William Baylor	<i>Staunton, Va.</i>	LAW,	4
McCorkle, Charles Edward	<i>Rockbridge Co., Va.</i>	E., GER., C., A. M.,	4
McCorkle, Emmett Wallace	<i>Rockbridge Co., Va.</i>	L., G., E., M.,	1
McCorkle, Walter Lee	<i>Rockbridge Co., Va.</i>	L., GER., M.,	3
McCormick, Samuel	<i>Berryville, Va.</i>	LAW,	1
McCown, James Harvey	<i>Rockbridge Co., Va.</i>	L., G., F., M.,	1
McCoy, John	<i>Pendleton Co., W. Va.</i>	L., G., F., M.,	1
McCutchan, William Thos.	<i>Rockbridge Co., Va.</i>	E., GER., C., M. P.,	4
McCulloh, Worthington	<i>Frostburg, Md.</i>	L., G., M.,	1
McCue, Alexander Hall	<i>Augusta Co., Va.</i>	L., E., F., M.,	1

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WASHINGTON AND LEE UNIVERSITY.

13

SESS.	NAME.	RESIDENCE.	STUDIES.	SESS.
1	McDonald, Eugene Clarence	Arkadelphia, Ark.	LAW,	1
2	McDowell, James	Lexington, Va.	L., E., M.,	1
M., 1	McDowell, William George	Lexington, Va.	C., A. M., N. P., M.,	4
, 2	McDowell, Cameron F.	Fresno Co., California.	L., E., S., M.,	1
, 2	McIlwain, William Erskine	Wolfsville, N. C.	L., G., E., M.,	1
2	McPheeters, Thomas Shanks	Shelbyville, Ky.	L., G., E., M.,	1
1	McPheeters, William	Shelbyville, Ky.	L., G., E., M.,	1
3	Macon, George Kennon	Richmond, Va.	LAW,	1
2	Mading, James Monroe	Collinsburg, La	L., G., F., M.,	2
4	Madison, John Edward	Noxubee Co., Miss.	L., F., GER., E., M.,	1
3	Marshall, John	Fauquier Co., Va.	L., E., F., M.,	1
1	Massie, James McDowell	Lexington, Va.	L., G., F., M.,	2
M., 1	Mathews, Marion	Robertson Co., Tenn.	E., G., M. P., C., A. M.,	3
4	Meriwether, Charles Nicholas	Todd Co., Ky.	C., N. P., M., A. M.,	3
AW, 5	Meriwether, John Walton	Todd Co., Ky.	M., E., C.,	1
1	Meriwether, Wm. Douglas	Todd Co., Ky.	L., E., C., M.,	1
1	Merritt, William Wilkins	Bowling Green, Ky.	L., E., M.,	2
1	Mestrezat, Stephen Leslie	Mapletown, Pa.	LAW,	1
, LIT., 3	Miller, Anselm Irvin	Beech Island, S. C.	E., F., C., A. M.,	1
1	Miller, Daniel Rench	Mason & Dixon, Pa.	L., E., G., C.,	2
, 2	Mitchell, Frank Hart	Columbus, Geo.	G., E., F., C.,	3
, 4	Moffett, Alexander Stuart	Augusta Co., Va.	G., M., M. P., C., A. M.,	4
3	Montgomery, Frank	Westchester Co., N. Y.	L., G., F., M.,	2
, 1	Montgomery, Emile	Westchester Co., N. Y.	L., G., F., M.,	2
, 3	Moore, John Marks	Austin, Texas.	L., G., E., S., M.,	2
1	Moore, Baldwin Spyker	Austin, Texas.	L., F., M., C., A. M.,	3
1	Moore, Milton Andrew J.	Bennettsville, S. C.	E., F. M., A. M.,	2
, LIT., 2	Moreland, Sidney Turner	Homer, Texas.	L., G., M., A. M.,	1
R., 4	Morton, G. L.	Paducah, Ky.	L., G., F., M.,	1
, 2	Mullikin, Albert Duley	Louisville, Ky.	L., E., M., B. S.,	1
3	Officer, Eustis Field	Little Rock, Ark.	C., M., N. P., A. M.,	2
4	Orgain, Horace Kimball	Bastrop, Texas.	L., E., F.,	2
, 4	O'Reilley, John Edmund	Russellville, Ala.	L., M., E.,	2
1	Owen, Kennedy Riddell	Baltimore, Md.	L., F., E., GER.,	2
3	Owens, George Welshman	Savannah, Geo	L., E., GER., M., H.,	2
1	Page, Thomas Nelson	Hanover Co., Va.	L., G., F., M.,	2
1	Palmer, Robert Caldwell	Lebanon, Ky.	L., G., F., M.,	1
1	Parrott, Albert DeKalb	Kinston, N. C.	L., E., GER., M.,	2
, 4	Patrick, Beverly Prior	Centreville, Texas.	L., G., F., GER., C.,	3
1	Patrick, William	Augusta Co., Va.	L., F., GER., M.,	1
1	Patterson, William Samuel	Jessamine Co., Ky.	L., G., M.,	1

NAME.	RESIDENCE.	STUDIES.	SESS.
Perkins, Edwin Maury	<i>Franklin, Tenn.</i>	E., F., C., H.,	2
Perrin, George Clopton	<i>Abbeville, S. C.</i>	N. P., A. M.,	2
Pickles, Henry	<i>New Orleans, La.</i>	E., GER., F., S., LIT.,	1
Pike, Yvon	<i>Washington City, D. C.</i>	C., M., A. M.,	2
Piper, Joseph	<i>Marshall, Mo.</i>	E., F., M., A. M.,	1
Pitts, John Glenn	<i>Baltimore, Md.</i>	L., G., F., M.,	1
Polk, John Robert Marshall	<i>Louisville, Ky.</i>	L., G., E., M.,	1
Pope, Frederick	<i>Washington, Geo.</i>	L., E., F., GER., M.,	1
Porter, Francis Leland	<i>Austin, Texas.</i>	L., G., GER., M., C.,	1
Postal, William Dyer	<i>Memphis, Tenn.</i>	E., F., GER., M., C.,	2
Prather, George McDonald	<i>Waco, Texas.</i>	L., H., M.,	1
Prather, James Corner	<i>Waco, Texas.</i>	F., GER., E., M. P.,	4
Prather, William Lambdin	<i>Waco, Texas.</i>	LAW,	4
Price, Risdon Hutchings	<i>St. Louis Co., Mo.</i>	L., G., F., GER., M.,	2
Puckette, Lucius Q. C.	<i>New Orleans, La.</i>	L., G., F.,	1
Purdie, Thomas Smith	<i>Smithfield, Va.</i>	L., G., F., GER.,	1
Rainey, Josiah	<i>Germanton, N. C.</i>	GER., F., LIT., M. P.,	3
Rathbone, John Vallean	<i>Parkersburg, W. Va.</i>	L., E., F., GER.,	1
Rathbone, Francis Vinton	<i>Parkersburg, W. Va.</i>	E., F., C., M.,	2
Ransom, Matt. Whitaker	<i>Weldon, N. C.</i>	G., F., L., M.,	2
Rhea, John Stockdale	<i>Russellville, Ky.</i>	L., G., E., S.,	1
Rhea, William	<i>Buford's Station, Tenn.</i>	F., M., N. P., A. M.,	2
Richey, Robert James	<i>Waco, Texas.</i>	L., G., F., GER., M.,	3
Ridge, William Elicia	<i>Kansas City, Mo.</i>	L., GER., E., M.,	1
Roane, Frank	<i>Lynchburg, Va.</i>	G., M., C., N. P., L.,	5
Robb, Septimus Adelbert	<i>Sumpter, Texas.</i>	L., G., H., M.,	3
Robins, John Littleton	<i>Snow Hill, Md.</i>	L. E., F. M.,	1
Robertson, Hamilton Good'n	<i>Tyler, Texas.</i>	L., E., GER., M.,	1
Rose, Solon Edward Franklin	<i>Pulaski, Tenn.</i>	L., F., M.,	1
Ross, Frank Lyon	<i>Mobile, Ala.</i>	E., M., LIT., A. M.,	2
Rountree, Hal	<i>Galveston, Texas.</i>	F., GER., M., H., L.,	1
Ruff, John, Jr.	<i>Rockbridge Co., Va.</i>	L., G., F., M.,	1
Ruff, Andrew Wallace	<i>Rockbridge Co., Va.</i>	L., G., F., M.,	2
Rust, Lawrence	<i>Leesburg, Va.</i>	L., E., LIT., M.,	2
Ryan, Philip	<i>Richland Parish, La.</i>	E., L., M.,	1
Ryals, John Vincent	<i>Alleghany Co., Va.</i>	LAW,	1
Santini, Gabriel	<i>New Orleans, La.</i>	LIT., H., LAW.,	3
Savage, John	<i>Gainsville, Fla.</i>	L., M., A. M.,	3
Saville, William	<i>Rockbridge Co., Va.</i>	L., G., M.,	3
Scott, Isaac Van Meter	<i>Charlotte Co., Va.</i>	L., G., E., M., C.,	2
Seal, Florian	<i>Mississippi City, Miss.</i>	L., E., F., S.,	2

WASHINGTON AND LEE UNIVERSITY.

15

SESS.	NAME.	RESIDENCE.	STUDIES.	SESS.
2	Shaner, John J.	<i>Lexington, Va.</i>	L., E., F., M.,	1
2	Sherrod, Charlie Fox	<i>Columbus, Miss.</i>	E., F., GER., M.,	1
1	Sherrod, Thomas Billups	<i>Columbus, Miss.</i>	F., E., M., H.,	1
2	Sherwood, James Denny	<i>Galveston, Texas.</i>	L., E., F., M.,	1
1	Shields, Wilmer Henry	<i>Natchez, Miss.</i>	E., M., N. P., A. M., C.,	3
1	Simkins, Lewis Wardlaw	<i>Abbeville, S. C.</i>	L., G., M.,	1
1	Sims, Harry Lucas	<i>New York City, N. Y.</i>	C., M. P., N. P., A. M.,	2
1	Sledge, William Madison	<i>Lexington, Va.</i>	F., GER., H., C.,	1
1	Smith, Edward Wall	<i>New York City, N. Y.</i>	L., G., F., M.,	1
2	Somerville, Thomas Hugh	<i>Culpeper Co., Va.</i>	M. P., LAW,	3
1	Spiller, William	<i>Decatur, Ala.</i>	G., E., GER., F., M.,	2
4	Stansel, James Bayard	<i>Carrollton, Ala.</i>	L., F., GER., E., S.,	2
4	Stephens, William Emmett	<i>Bledsoe Co., Tenn.</i>	L., G., E., C.,	2
2	Stephens, Isaac Wetherston	<i>Bledsoe Co., Tenn.</i>	L., G., M., C.,	2
1	Stephenson, Walter Darence	<i>La Grange, Tenn.</i>	L., E., F., M., C.,	2
1	Stuart, Ebenezer Erskine	<i>Rockbridge Co., Va.</i>	L., G., F., M.,	1
3	Stubbs, James Batop	<i>Galveston, Texas.</i>	LAW,	1
1	Summerell, William Howard	<i>Jackson, N. C.</i>	M. P., LAW,	1
2	Tatum, Arthur Joel	<i>Monroe, La.</i>	L., E., M.,	2
2	Tayloe, William Henry	<i>Hale Co., Ala.</i>	L., G., F., M.,	2
1	Taylor, Alexander Wilson	<i>Staunton, Va.</i>	M., N. P., A. M.,	2
2	Taylor, Joseph Wills	<i>Waco, Texas.</i>	L., F., H., C.,	3
3	Taylor, Richard Runnels	<i>Jefferson, Texas.</i>	L., G., F., M.,	1
1	Terhune, Edward Ware	<i>Jefferson, Texas.</i>	E., GER., H., LIT., M. P.,	1
5	Topp, William Wallace	<i>Columbus, Miss.</i>	E., F., GER., H.,	1
3	Torrans, Patrick Henry	<i>Jefferson, Texas.</i>	L., E., M., B. S.,	1
1	Tucker, John Randolph, Jr.	<i>St. Catharines, Canada.</i>	LAW,	1
1	Tutwiler, Thomas Stanhope	<i>Lexington, Va.</i>	L., E., M.,	1
1	Van Meter, John S.	<i>Lexington, Ky.</i>	LAW,	5
2	Vaughan, James English	<i>Camden, S. C.</i>	L., F., H., M., B. S.,	2
1	Vinson, William Daniel	<i>Sumpter Co., S. C.</i>	E., GER., M., C.,	4
1	Waddill, Frank Alexander	<i>Cheraw, S. C.</i>	N. P., A. M.,	5
2	Waldo, David	<i>Independence, Mo.</i>	L., F., E., GER., M.,	1
2	Walker, Archibald Alex.	<i>Augusta Co, Va.</i>	E., C., M.,	1
1	Waller, James Breckenridge	<i>Chicago, Ill.</i>	E., F., M., A. M.,	2
1	Waller, Robert Alexander	<i>Chicago, Ill.</i>	E., F., M., A. M.,	4
3	Warren, Charles Frederick	<i>Washington, N. C.</i>	L., G., F., E., M.,	2
3	Weber, John	<i>New Orleans, La.</i>	L., E., F., S., LIT.,	1
3	Werber, Frederick, Jr.	<i>Newberry, S. C.</i>	L., G., F., M., C.,	2
2	Westbrook, Moses Lawrence	<i>Waco, Texas.</i>	L., E., F., M.,	2
2	White, William Scott	<i>Lexington, Va.</i>	L., G., E., M.,	2

WASHINGTON AND LEE UNIVERSITY.

NAME.	RESIDENCE.	STUDIES.	SESS.
White, Frank Lewis	<i>Lebanon, Tenn.</i>	E., M., C.,	1
Wilkinson, Clement Penrose	<i>New Orleans, La.</i>	E., M., C., M. P.,	2
Williams, Robert Brady	<i>Washington, Ark.</i>	G., L., F., M.,	1
Williams, William Lewis F.	<i>Richland Par., La.</i>	L., E., M., B. S.,	2
Willingham, Calder Baynard	<i>Macon, Geo.</i>	F., C., M. P., LIT., B. S.,	3
Wilson, James	<i>Rockford, Tenn.</i>	L., G., F., M.,	2
Wilson, Hugh Martin	<i>Rockford, Tenn.</i>	C., GER., A. M.,	4
Wilson, Daniel Love	<i>Augusta Co., Va.</i>	L., G., M., M. P., C.,	3
Winchester, James Ridout	<i>Annapolis, Md.</i>	L., G., F., M., C.,	2
Winn, Benjamin Franklin	<i>Plattsburg, Mo.</i>	L., E., M.,	1
Winn, Samuel Knox	<i>Decatur, Geo.</i>	L., G., E.,	2
Winn, James Newton	<i>Plattsburg, Mo.</i>	L., F., E., M.,	1
Wisdom, Mortimer Norton	<i>New Orleans, La.</i>	L., G., F., H., M., LIT.,	3
Witherspoon, Robert	<i>Maysville, S. C.</i>	L., F., E., H.,	3
Wolf, Myer	<i>Osyka, Miss.</i>	L., E., GER., M., B. S.,	2
Woodruff, Willie Walter	<i>Griffin, Geo.</i>	L., E., F., S., B. S.,	2
Wyrick, Edward Jasper L.	<i>Magnolia, Ark.</i>	L., G., M. P., A. M.,	3
Yerger, Henry Sale	<i>Memphis, Tenn.</i>	L., G., C., M. P.,	1

RESIDENT MASTERS.

CHARLES A. GRAVES, M. A.,	<i>Liberty, Virginia.</i>
LUCIUS DESHA, M. A.,	<i>Cynthiana, Ky.</i>
ERNEST BENJAMIN KRUTTSCHNITT, M. A.,	<i>New Orleans, La.</i>
FRANK ALEXANDER WADDILL, M. A.,	<i>Cheraw, S. C.</i>

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B. S., 2
S, 2
M., 3
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RECAPITULATION.

Virginia.....	69	Maryland.....	7
Texas.....	39	New York.....	5
Kentucky.....	36	Illinois.....	3
Tennessee.....	25	Florida.....	2
Louisiana.....	24	Pennsylvania.....	2
South Carolina.....	20	Ohio.....	1
Missouri.....	20	Indiana.....	1
Alabama.....	16	Iowa.....	1
Georgia.....	15	California.....	1
Mississippi.....	15	Idaho Territory.....	1
Arkansas.....	14	District of Columbia.....	1
West Virginia.....	8	France.....	1
North Carolina.....	7	Canada.....	1

Undergraduates.....	332
Resident Masters.....	4
	336

SCHOOLS ATTENDED.

Latin.....	196	Mathematics.....	232
Greek.....	127	Applied Mathematics.....	45
English and Literature.....	164	Natural Philosophy.....	24
Modern Languages.....	206	Chemistry.....	79
History.....	38	Law.....	31
Moral Philosophy.....	27	Business School.....	19

List of Distinguished Proficients.

IN THE SEVERAL SCHOOLS, 1869-70.

SCHOOL OF LATIN.

IRYL T. BARTLETT..... <i>Louisiana.</i>	WILLIAM SPILLER..... <i>Alabama.</i>
GEORGE B. PETERS, JR... <i>Tennessee.</i>	WILLIAM D. VINSON..... <i>S. Carolina.</i>

SCHOOL OF GREEK.

EDWARD P. CLARKE..... <i>Missouri.</i>	FRANK LEWIS..... <i>Virginia.</i>
E. B. KRUTTSCHNITT..... <i>Louisiana.</i>	WILLIAM D. VINSON..... <i>S. Carolina.</i>

SCHOOL OF MODERN LANGUAGES.

I.—FRENCH.

IRYL T. BARTLETT..... <i>Louisiana.</i>	GEORGE W. KOONTZ..... <i>Mississippi.</i>
JOHN C. CALHOUN <i>Alabama.</i>	J. LEWIS LOGAN..... <i>Virginia.</i>
LUCIUS DESHA, JR <i>Kentucky.</i>	GEORGE W. OWENS..... <i>Georgia.</i>
HOWARD FARRAR..... <i>Louisiana.</i>	FRANK ROANE..... <i>Virginia.</i>
R. DRAKE HAISLIP <i>Arkansas.</i>	JOHN SAVAGE..... <i>Florida.</i>
WILLIAM D. JENKINS,.... <i>Mississippi.</i>	ALLEN WILSON..... <i>Louisiana.</i>

II.—GERMAN.

LUCIUS DESHA, JR..... <i>Kentucky.</i>	WILLIAM T. THOM <i>Virginia.</i>
E. B. KRUTTSCHNITT..... <i>Louisiana.</i>	FRANK A. WADDILL..... <i>S. Carolina.</i>
FRANK ROANE <i>Virginia.</i>	

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JOSEPH
EDGAR
A. HO
EMME
FRAN
GEORG
E. B.
JOHN
ROBER

L. DES
WM. E
J. A. C
J. P. B
W. H.
J. A. I

ALSTON
M. P.
L. DES
WM. E
J. A. F
A. N. C
A. H. I
E. B. K

SCHOOL OF ENGLISH LANGUAGE AND LITERATURE.

I.—ENGLISH.

ROBERT F. BRADFORD..... <i>Florida.</i>	JAMES A. FISHBURNE..... <i>Virginia.</i>
SAMUEL H. CHESTER..... <i>Arkansas.</i>	SAMUEL R. FISHER..... <i>Texas.</i>
WILLIAM A. DABNEY..... <i>Georgia.</i>	CHARLES F. FOUKE..... <i>W. Virginia.</i>
WILLIAM EDMONDS..... <i>Alabama.</i>	ANGUS N. GORDON..... <i>Kentucky.</i>
JOSEPH A. GRAVES..... <i>Virginia.</i>	JOHN J. LLOYD..... <i>Virginia.</i>
EDGAR L. GUTHRIE..... <i>Illinois.</i>	ALEXANDER S. MOFFETT..... <i>Virginia.</i>
A. HOUSTON HAMILTON... <i>W. Virginia.</i>	JOHN D. PINKERTON..... <i>Virginia.</i>
EMMETT G. LOGAN..... <i>Kentucky.</i>	FRANK ROANE..... <i>Virginia.</i>
FRANK McCUTCHAN..... <i>Virginia.</i>	A. GRAHAM ROBINSON.... <i>Virginia.</i>
GEORGE W. KOONTZ..... <i>Mississippi.</i>	MURRAY F. SMITH..... <i>N. Carolina.</i>
E. B. KRUTTSCHNITT..... <i>Louisiana.</i>	JULIUS W. WALDEN..... <i>Alabama.</i>
JOHN S. LEWIS..... <i>Tennessee.</i>	NORMAN MCF. WALKER.. <i>Louisiana.</i>
ROBERT W. LILLARD..... <i>Kentucky.</i>	

II.—ENGLISH LITERATURE.

L. DESHA, JR..... <i>Kentucky.</i>	R. W. LILLARD..... <i>Kentucky.</i>
WM. EDMONDS..... <i>Alabama.</i>	S. D. MCCORMICK..... <i>Kentucky.</i>
J. A. GRAVES..... <i>Virginia.</i>	F. McCUTCHAN..... <i>Virginia.</i>
J. P. HOBSON..... <i>Virginia.</i>	F. ROANE..... <i>Virginia.</i>
W. H. KINCKLE..... <i>Virginia.</i>	N. MCF. WALKER..... <i>Louisiana.</i>
J. A. LACY..... <i>Missouri.</i>	T. S. WEAVER..... <i>Tennessee.</i>

SCHOOL OF MORAL PHILOSOPHY.

ALSTON BOYD..... <i>Tennessee.</i>	J. A. LACY..... <i>Missouri.</i>
M. P. BURKS..... <i>Virginia.</i>	J. L. LOGAN..... <i>Virginia.</i>
L. DESHA, JR..... <i>Kentucky.</i>	F. McCUTCHAN..... <i>Virginia.</i>
WM. EDMONDS..... <i>Alabama.</i>	G. B. PETERS, JR..... <i>Tennessee.</i>
J. A. FISHBURNE..... <i>Virginia.</i>	WM. L. PRATHER..... <i>Texas.</i>
A. N. GORDON..... <i>Kentucky.</i>	F. ROANE..... <i>Virginia.</i>
A. H. HAMILTON..... <i>W. Virginia.</i>	T. S. WEAVER..... <i>Tennessee.</i>
E. B. KRUTTSCHNITT..... <i>Louisiana.</i>	

SCHOOL OF HISTORY.

- | | |
|---|--|
| LUCIUS DESHA, JR..... <i>Kentucky.</i> | ROBERT W. LILLARD..... <i>Kentucky.</i> |
| WILLIAM EDMONDS, JR... <i>Alabama.</i> | FRANK ROANE..... <i>Virginia.</i> |
| J. PEYTON HOBSON..... <i>Virginia.</i> | MURRAY F. SMITH..... <i>N. Carolina.</i> |
| E. B. KRUTTSCHNITT..... <i>Louisiana.</i> | NORMAN McF. WALKER.. <i>Louisiana.</i> |
| JOHN A. LACY..... <i>Missouri.</i> | C. P. WILKINSON..... <i>Louisiana.</i> |

SCHOOL OF MATHEMATICS.

- | | |
|-----------------------------------|--|
| J. L. LOGAN..... <i>Virginia.</i> | F. A. WADDILL..... <i>S. Carolina.</i> |
| M. MATHEWS..... <i>Tennessee.</i> | |

SCHOOL OF APPLIED MATHEMATICS.

- C. B. PERCY.....*Tennessee.*

SCHOOL OF NATURAL PHILOSOPHY.

- C. B. PERCY.....*Tennessee.*

SCHOOL OF CHEMISTRY.

- | | |
|--------------------------------------|---|
| J. T. ANDERSON..... <i>Kentucky.</i> | J. P. HOBSON..... <i>Virginia.</i> |
| J. S. CLARK..... <i>Alabama.</i> | E. B. KRUTTSCHNITT..... <i>Louisiana.</i> |
| J. W. COFFIN.. .. <i>Tennessee.</i> | R. A. McNEILLY. <i>Tennessee.</i> |
| W. M. DUNLAP..... <i>Virginia.</i> | A. G. ROBINSON..... <i>Virginia.</i> |
| W. H. EYANS..... <i>S. Carolina.</i> | W. T. THOM <i>Virginia.</i> |

CHARL
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Graduates—1869-'70.

CIVIL ENGINEER.

CHARLES B. PERCY *Tennessee.*

BACHELORS OF LAW.

RICHARD B. BAYLY..... <i>Virginia.</i>	CHARLES S. NORTH..... <i>W. Virginia.</i>
JOHN C. BOUDE..... <i>Virginia.</i>	ROBERT SEMPLE..... <i>Mississippi.</i>
JAMES K. EDMONDSON... <i>Virginia.</i>	WM. M. SMITH..... <i>N. Carolina.</i>
J. FREDERICK EFFINGER.. <i>Virginia.</i>	JOSEPH LANE STERN..... <i>Virginia.</i>
NOAH B. FEAGIN..... <i>Alabama.</i>	S. FERDINAND WATKINS.. <i>N. Carolina.</i>
JAMES M. GREY <i>Kentucky.</i>	

BACHELORS OF PHILOSOPHY.

JOSEPH A. GRAVES..... *Virginia.* | WILLIAM H. KINCKLE... *Virginia.*

BACHELOR OF SCIENCE.

CHARLES B. PERCY..... *Tennessee.*

BACHELORS OF ARTS.

ALSTON BOYD..... <i>Tennessee.</i>	J. LEWIS LOGAN..... <i>Virginia.</i>
HUBBARD G. CARLTON... <i>Virginia.</i>	FRANK MCCUTCHAN..... <i>Virginia.</i>
MARTIN P. BURKS..... <i>Virginia.</i>	FRANK S. MOODY..... <i>Alabama.</i>
JAMES A. FISHBURNE.... <i>Virginia.</i>	GEORGE B. PETERS, JR... <i>Tennessee.</i>
A. HOUSTON HAMILTON.. <i>W. Virginia.</i>	

MASTERS OF ARTS.

LUCIUS DESHA, JR..... <i>Kentucky.</i>	WM. TAYLOR THOM..... <i>Virginia.</i>
J. PEYTON HOBSON <i>Virginia.</i>	FRANK A. WADDILL <i>S. Carolina.</i>
E. B. KRUTTSCHNITT..... <i>Louisiana.</i>	

The RESIDENT MASTERSHIPS, for the years 1870-'72, were conferred upon the following graduates:

LUCIUS DESHA, JR., M. A.....	<i>Kentucky.</i>
ERNEST B. KRUTTSCHNITT, M. A.....	<i>Louisiana.</i>
FRANK A. WADDILL, M. A.....	<i>S. Carolina.</i>

THE HONORARY SCHOLARSHIPS, for the session 1870-'71, were conferred as follows :

- R. DRAKE HAISLIP..... *Ark....By the President.*
- HARVEY B. FERGUSON..... *AlaLatin, Greek, Mathematics.*
- WILLIAM H. TAYLOR..... *AlaLatin, Greek, Mathematics.*
- CHAS. N. MERIWETHER.. *KyApplied Mathematics, Nat. Philosophy, Chem.*
- WILLIAM DYER POSTAL... *Tenn..Mod. Lang., English, Moral Phil., History.*

The ROBINSON PRIZE MEDALS, for the session 1869-'70, were conferred as follows :

IN THE SCHOOLS OF LATIN, GREEK AND MATHEMATICS.

- J. LEWIS LOGAN..... *Virginia.*

IN THE SCHOOLS OF APPLIED MATHEMATICS, NATURAL PHILOSOPHY AND CHEMISTRY.

- CHARLES B. PERCY..... *Tennessee.*

IN THE SCHOOLS OF MODERN LANGUAGES, ENGLISH, HISTORY AND MORAL PHILOSOPHY.

- FRANK S. MOODY.... *Alabama.*

The COMMENCEMENT ORATIONS, 1870, were awarded as follows:

CINCINNATI ORATION.

- ERNEST B. KRUTTSCHNITT, M. A. *Louisiana.*

VALEDICTORY ORATION.

- GEORGE B. PETERS, A. B. *Tennessee.*

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History.

'70, were

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Virginia.

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Tennessee.

ORGANIZATION.

The Course of Study is divided into the following several Schools, each one of which is independent and complete in itself. The student attends the schools of his choice.

SCHOOL OF LATIN.

PROFESSOR HARRIS.

ADJUNCT PROFESSOR HUMPHREYS.

INSTRUCTORS: MESSRS. DESHA AND LOGAN.

To secure admission into this School, the applicant should be familiar with the forms of the language, and have such acquaintance with its syntax as shall enable him to construe correctly the easier authors. Such attainments may be made by mastering an elementary grammar and exercise book, a Latin Reader, Cæsar, Sallust and Ovid.

There are three classes in this School:

I. Junior Class.

In this class there are two Divisions.—1. The Second Division read Cæsar, Nepos (Arnold's), Ovid; Gildersleeve's Grammar and Allen's Latin Prose Composition are used here. 2. The First Division read Sallust, Cicero de Senectute and de Amicitia, Cicero's Orations and Virgil. Same Grammar and Exercise Book as in the other Division; also, Schmitz's Advanced Exercises. The elements of Roman History and Geography are taught in this class. *Text-Books:* Smith's History of Rome; Long's Atlas. (Six recitations per week.)

II. Intermediate Class.

Authors read: Livy, Cicero, Tacitus, Virgil; Zumpt's and Madvig's Grammars are used in this class. Written exercises in translating English into Latin and Latin into English, form a leading feature in the instruction of this class, and of the Senior class also. The Roman Antiquities are studied here. (Three recitations per week.)

III. Senior Class.

The authors read are Horace, Virgil, Plautus, Terence, Juvenal. Roman History and Literature. (Three recitations per week.)

The whole course is required for Proficiency in this School.

 SCHOOL OF GREEK.

PROFESSOR WHITE.

ADJUNCT PROFESSOR HUMPHREYS.

INSTRUCTOR: MR. DESHA.

In this School there are three classes:

I. Junior Class.

This class read Xenophon's Anabasis and Memorabilia, and are instructed in the principles and structure of the language, as exemplified by regular exercises in Greek composition. Goodwin's and Kühner's Grammars are used. The forms of the language are taught in this class. (Six recitations per week.)

II. Intermediate Class.

The authors read in this class are Demosthenes and Plato, with references to the Grammars of Kühner, Matthiæ, and Jelf. Exercises in Greek Composition, and a course of lectures on Syntax. (Three recitations per week.)

III. Senior Class.

The authors read are Euripides, Thucydides, Sophocles and Homer, with reference to the Grammars named above. Exercises in Greek Composition. (Three recitations per week.)

The History of Greek Literature is taught by lectures. Greek History is taught in the School of History. In addition to what is read in the lecture room, candidates for graduation in Greek are expected to read extensively in such authors as the Professor may indicate, and to study regularly some standard Grammar, such as that of Kühner or Matthiæ.

The whole course is required for Proficiency in this School.

A class in HEBREW will be taught by Professor Humphreys.

SCHOOL OF MODERN LANGUAGES.

PROFESSOR JOYNES.

ASS'T PROFESSOR GRAVES.

INSTRUCTOR: MR. KRUTTSCHNITT.

The languages embraced in this School are the French, the German, the Spanish, and the Italian. In French and in German there are two classes, Junior and Senior. For admission into the Senior class the student must have passed successfully through the entire Junior course, or made equivalent attainments.

The course of instruction in French and in German is extensive and thorough; in Spanish and in Italian, it is briefer and more exclusively practical. In all, however, the means are afforded of acquiring an accurate as well as a useful scholarship, such as shall enable the student to read the languages with correctness and ease, and to understand their literature. The speaking of the languages, which can be learned only by experience, is not here attempted; but by the careful teaching of their correct pronunciation, and the constant study and praxis of their idioms in both oral and written exercises, the effort is made so to accustom the student to their forms and modes of expression that the task of learning to speak them afterwards would be comparatively easy.

Text-Books.

FRENCH.—*Junior Class.*—Introduction to French Pronunciation, by the Professor. Otto's French Grammar and Exercises, completed. Böcher's Otto's French Reader.

Senior Class.—De Fivas' French Grammar and Exercises, and Borel's Grammaire Française and Cours de Thèmes. Littérature Française 'Classique' and 'Contemporaine' (2 vols. Leypoldt & Holt.) Students' Classical Drama, Professor's edition. Spiers & Surene's Dictionary (larger edition) is recommended.

GERMAN.—*Junior Class.*—Otto's Beginning German. Easy Reading.

Senior Class.—Whitney's Grammar and Reader. Schiller, Goethe; Selected Modern Authors. Kochler's German Dictionary is recommended.

SPANISH.—Ahn's Grammar. Tolon's Elementary Reader. Don Quixote. Obras Maestras (Lope de Vega and Calderon.) Seane's Dictionary.

ITALIAN.—Text-books will be made known hereafter.

Each class in this School recites three times a week.

The requirements for Degrees in this School are :

For BACHELOR OF SCIENCE, CIVIL OR MINING ENGINEER, French; for BACHELOR OF ARTS, French or German; for BACHELOR OF PHILOSOPHY OR MASTER OF ARTS, both French and German. In addition to the regular Baccalaureate course an extensive course of reading, in both French and German, will be required for the degree of Master of Arts.

SCHOOL OF ENGLISH LANGUAGE AND LITERATURE.

PROFESSOR ———.

ASS'T PROFESSOR GRAVES.

In this School it is designed to enable the student to acquire: 1st, a practical understanding and scholarly command of the English language, as his mother tongue; 2d, a knowledge of its origin, history and relations, with a just estimate of its powers and importance as a language; and, 3d, an acquaintance with its literature and literary history, together with that culture of taste and of style which is to be derived from the study and criticism of the master-pieces of literary composition.

In thus organizing this School, the Board of Trustees, encouraged by the success of the efforts already made in these studies, look to the early endowment of the Chair, and the appointment of a distinct Professor. In the meantime the instruction is divided among the Professors of Modern Languages, Moral Philosophy, and History, aided by an Assistant Professor.

The course of Instruction is as follows :

I. ENGLISH LANGUAGE.—Ass't Professor GRAVES.

In this Class are studied the grammatical forms of the language, its structure and idiomatic character. Exercises are given in grammatical analysis, construction and criticism, also in reading, elocution and composition. The studies in this Class are made, as far as possible, practically useful both for the general scholar and for those who wish to pursue the higher studies in this School.

Text-Books.

Bingham's English Grammar; Dalglish's or Green's Grammatical Analysis; English Reader; and other books as there may be occasion for them.

II. ENGLISH PHILOLOGY.—Professor JOYNES.

This course embraces: 1st, a philosophical review of the principles of the English Grammar, with reference to the origin, history and philological relations of the language; and, 2d, the study of the older forms of the language, and of Anglo Saxon, with reference chiefly to the illustration of the existing forms and idioms. Practical exercises are continued.

The first part of this course, embracing the first term of the session, is requisite for Proficiency in ENGLISH. Students who complete the entire course may receive an additional Certificate of Proficiency in ENGLISH PHILOLOGY.

Text-Books.

1st Term: Mulligan's Structure of the English Language.

2d Term: Shute's Anglo Saxon Manual; March's Anglo Saxon Reader and Comparative Grammar; Clark's Elements of the English Language.

III. RHETORIC.—Professor KIRKPATRICK.

The instruction begins at the point in which Grammar proper and Rhetoric meet. During the first half-session it is in a large degree elementary; yet it is so arranged as to embrace the leading facts and principles of the science in sufficient fulness to constitute

a course complete within its own scope, and of great practical value to the student.

The text-books are Hart's Manual of Composition and Rhetoric, and Bain's Rhetoric.

In the second half-session, the more philosophical aspects of Rhetoric come into view, especially its relations to Logic. Whateley's Rhetoric is the principal text-book, but the works of Campbell and Blair are also used for supplementary study and illustration.

In both parts of the course frequent exercises are employed. Special attention is also given to Pronunciation, Worcester's Dictionary being the recognized standard.

The first half of this course, embracing the first term, is requisite for Proficiency in ENGLISH. Students who complete the entire course may receive a distinct Certificate of Proficiency in RHETORIC. This course and the preceding course of English Philology may be pursued either contemporaneously or in successive years.

IV. ENGLISH LITERATURE.—Professor JOHNSTON.

The class in English Literature pursues a more extended course. In this class the exercises embrace the application of the principles learned in the preceding courses, and of the general culture of the student; with the criticism of the master-pieces of English Poetry and Prose, and the preparation of original essays and orations. The instruction is conducted principally by lecture. For admission into this class, the student should have completed the entire course of the English Language, and so much of the courses of English Philology and Rhetoric as is required for Proficiency in English.

Text-Books.

Shaw's History of English Literature; H. Read's Lectures; Shakspeare; Craik's English Literature; Goodrich's British Eloquence.

This course is requisite for Proficiency in ENGLISH LITERATURE, or in the entire School of ENGLISH LANGUAGE AND LITERATURE.

Each Class in this School recites three times a week.

SCHOOL OF MORAL PHILOSOPHY.

PROFESSOR KIRKPATRICK.

This School embraces Mental Philosophy; Logic; Ethics, or Moral Philosophy proper; and the Evidences of Christianity.

The instruction is partly by the use of text-books, and partly by lectures.

The principal text-books are Hamilton's Metaphysics, as compiled by Professor Bowen of Harvard University; Bowen's Logic, comprising the Aristotelian and Hamiltonian Analyses of Logical Forms; Alexander's Outlines of Moral Science, with an introductory and a supplementary series of lectures by the Professor; Butler's Analogy; Paley's Evidences of Christianity.

In addition to the text-books, students, and especially those offering for the Degree of M. A., will be required to read in Metaphysics, Reid's Intellectual Powers, with Hamilton's Notes and Dissertations, Stewart's Elements, Cousin's Criticism of Locke; and in Ethics, Jouffroy's Introduction, Butler's Sermons on Human Nature, Thornwell's Discourses on Truth.

Essays on the subjects embraced in this School, and written analyses of discussions pursued by the authors or in the lectures, will be required, from time to time, throughout the course.

(Six recitations per week.)

SCHOOL OF HISTORY AND POLITICAL ECONOMY.

PROFESSOR JOHNSTON.

This School embraces Ancient and Modern History, and Political Economy.

There are two classes, *Junior* and *Senior*.

I. Junior Class.

In this class are taught the Outlines of History. The mode of instruction has particular reference to the facts of History. It is carried on by rigid examination upon the text, with a running

commentary, and occasional lectures. The attempt is made to give a comprehensive view of the Outlines of History, together with its essential unity.

This class recites six times a week.

The text-books are Smith's Greece, Liddell's Rome, and Students' Gibbon.

II. Senior Class.

In this class are taught English and American History, the History of Civilization, and Political Economy. The instruction in English and American History is by the study of epochs, with reference to the development of institutions and the progress of society, and is illustrated by frequent lectures on both Ancient and Modern History.

Three lectures each week.

The text-books used are the Works of Hume, Macaulay, and Washington Irving; Smyth's Lectures; Arnold's Lectures on Modern History; Guizot's History of Civilization; and, for the present, Wayland's Political Economy.

The whole course is required for Proficiency in this School.

SCHOOL OF MATHEMATICS.

PROFESSOR NELSON.

ASS'T PROFESSOR WADDELL.

INSTRUCTOR MR. WADDILL.

In this School there are three classes:

I. Junior Class.

In this class are taught the Theory of Numbers, Algebra, and Geometry. (Six recitations per week.)

In order that students may enter this class, they must be familiar with Arithmetic, and have some acquaintance with the fundamental principles of Algebra and Geometry.

II. Intermediate Class.

This class studies Plane and Spherical Trigonometry, and Analytical Geometry. (Three recitations per week.)

III. Senior Class.

This class studies the Differential and Integral Calculus, the Calculus of Variations, and the Philosophy of Mathematics. (Three recitations per week.)

In all the classes, the students are subjected to rigid examinations in the class-room, and are carefully trained in making accurate demonstrations at the black-board. Much importance is attached to the original solution of problems so selected as to afford applications of the principles taught in the class-room.

These exercises are required in all the classes weekly or semi-monthly.

Text-Books.

Towne's and Ray's Algebra; Tappan's Geometry, (Ray's series); Smith's Lefebvre De Fourey's Trigonometry; Puckle's Conic Sections; with Courtenay's Notes, and Lectures by the Professor; Courtenay's Calculus; and Comte's Philosophy of Mathematics.

The whole of the above course is requisite for the Degree of MASTER OF ARTS. The requisites for the Degree of BACHELOR OF ARTS or BACHELOR OF SCIENCE, are the subjects embraced in the Junior and Intermediate Classes, and so much of the Senior course as to include Differential and Integral Calculus.

 SCHOOL OF APPLIED MATHEMATICS.

PROFESSOR ALLAN.

ASS'T PROFESSOR PERCY.

*I. — ENGINEERING.**A. — CIVIL ENGINEERING.*

The course in Civil Engineering embraces three classes, and is divided as follows:

I. Junior Class.

FIRST DIVISION.

1. Land and Geodesical Surveying, Levelling, Determination of Heights and Distances, Laying out Roads and other Engineering works, Theory and use of Instruments. 2. Construction of Roads and Railroads.

(Three recitations per week during the whole session, with Field practice in afternoon.)

SECOND DIVISION.

1. Descriptive Geometry and its applications to Stone Cutting and Carpentry. 2. Industrial Drawing by Projection and Perspective. 3. Topographical Drawing and Construction of Maps.

(Three recitations per week during the whole session.)

Text-Books.

(In 1st Div.) Gillespie's Surveying, and Roads and Railroads; Henck's Field book for Engineers; Mahan's Civil Engineering. (In 2d Div.) Church's Descriptive Geometry; Dobson on Stone Cutting; Appleton's Drawing, &c.; Smith's Topographical Drawing.

II. Intermediate Class.

1. Properties of Materials. 2. Limes, Mortars, Hydraulic Cements, &c. 3. Resistance of Materials. 4. Earthwork, including Embankment, Excavation, Shafts, Blasting, &c. 5. Foundations. 6. Construction of Masonry and Brickwork, Stability of Retaining and other Walls, Arches, &c. 7. Carpentry, embracing Joints, Frames, Trusses. 8. Metallic Structures, such as Iron Beams and Roofs. 9. Bridges of Wood, Iron, Stone. 10. Tunnels. 11. Flow of Water in Pipes, Reservoirs, Water Supply, Sewerage, Drainage and Irrigation. 12. Canals. 13. River, Harbour, and Coast Works. 14. Orders and Styles of Architecture. 15. Drawing.

(Six lectures per week.)

Text-Books.

The instruction in this class will be largely given by Lectures; but Mahan's Civil Engineering, Stoney on Strains, and Downing's Practical Hydraulics will also be used.

III. Senior Class.

1. Analytical Investigation of Strength of Materials. 2. Theory of Strains in Simple and Compound Beams. 3. General Theory of Bridge Construction, embracing Trussed and Tubular Girders, Suspension Bridges, and Arches. 4. Stability of Structures. 5. Hydraulic Engineering. 6. Drawing.

(Three lectures per week.)

Text-Books.

Rankine's Applied Mechanics and Civil Engineering; Lectures.

B.—MILITARY ENGINEERING.

In this class will be taught the principles of Fortification and Gunnery.

II.—ASTRONOMY.

The course in Astronomy embraces two classes:

I. *Junior Class.*

The time of this class for the first half-session is occupied principally with a course of Descriptive Astronomy. It is conducted with reference to the double purpose of meeting the demands of general culture in this direction, and of serving as a useful introduction to the more extensive and special prosecution of the science. The remainder of the year is devoted to Higher Geodesy and Spherical Astronomy. (Three lectures per week.)

Text-Books.

White's Astronomy; Francoeur Géodésie; Lectures.

II. *Senior Class.*

This class completes a course of Physical and Mathematical Astronomy. (Three lectures per week.)

Text-Book.

Pontécoulant Système du Monde.

The Junior and Intermediate classes in Civil Engineering and the Junior class in Astronomy, together with either the Senior class in Civil Engineering or that in Astronomy, are requisite for Proficiency in this School. The Junior, Intermediate, and Senior classes in Civil Engineering, and the Junior class in Astronomy are requisite for the Degrees of Civil Engineer and Mining Engineer. The Junior Class in Astronomy is requisite for the Degree of A. B.

SCHOOL OF NATURAL PHILOSOPHY.

PROFESSOR McCULLOH.

In this School there are two classes:

I. Junior Class.

This class studies: 1. The Mechanics of solids, liquids, and airs. 2. Acoustics. 3. Optics. 4. Electricity and Magnetism, with their applications to telegraphic purposes. 5. Heat and the Steam Engine. (Six lessons per week.)

Text-Books.

Elements of Natural Philosophy, by Sir W. Thomson; Ganot's Physics; and Peck's Mechanics.

II. Senior Class.

This class studies: 1. Cinematics and the principles of mechanism. 2. Dynamics, and its applications to work done by machines. 3. Thermodynamics. 4. Molecular Mechanics, including the theory of Elasticity, Vibrations, Sound, Light, Heat, &c. (Six lessons per week.)

Text-Books.

Bartlett's Analytical Mechanics; Bour, Cours de Mécanique et Machines, à l'Ecole Polytechnique, 1865-1868; Tait's Thermodynamics; and the Wave Theory of Light in Airy's Mathematical Tracts. Books of reference will be indicated to the class.

Those who desire to commence this class must have a knowledge of Analytical Geometry and of Differential and Integral Calculus. Candidates for the Engineering Degrees must have studied the French language and Descriptive Geometry, and must be able to make neat and exact industrial drawings, both in projection and in perspective.

SCHOOL OF CHEMISTRY.

PROFESSOR CAMPBELL.

ASS'T PROFESSOR PERCY.

In this School there are two classes. The studies are divided as follows:

I. Junior Class.

1. CHEMICAL PHYSICS.—Embracing Light, Heat, and Electricity, with the relation of these agencies to each other, and to the science of Chemistry.

2. INORGANIC CHEMISTRY.—In which are discussed the use of chemical symbols and nomenclature; the laws of chemical affinity; electro-chemical decomposition; the atomic theory, and the theory of volumes; the chemistry of the metals; the relation of Chemistry to Mineralogy, and the general principles of inorganic analysis.

3. ORGANIC CHEMISTRY.—Involving a discussion of the composition and properties of the proximate constituents of plants and animals; the changes produced by fermentation, and by light, heat, and chemical re-agents; the theory of compound radicals; the properties of vegetable acids and alkaloids, and the principles and processes of organic analysis.

4. PHYSIOLOGICAL CHEMISTRY.—Including the connection of vitality with chemical action in both plants and animals, as illustrated in growth, nutrition and respiration.

5. An outline history of the origin and gradual development of chemical science.

This class meets the Professor in the Laboratory on six days of every week. Three days are devoted to lectures, illustrated by elaborate experiments; the other three days to recitations on the lectures and text-books.

Solutions of scientific problems, with written exercises and essays on the subjects of study, are assigned frequently throughout the session.

Text-Books.

In Elementary Chemistry "Roscoe's Elements" and "Fownes' Chemistry" (recent edition) are the handbooks; with references to Brande and Taylor, Graham, Regnault, Liebig, Gregory, Miller and others.

In the Chemistry of plants and animals "Campbell's Agriculture;" "Gregory's Organic Chemistry;" Johnston's "Chemistry of Common Life."

II. Senior Class.

The studies of this class are :

1. A course of *experiments* by every member of the class, illustrating the general principles of chemical science.
2. The principles and practice of *qualitative analysis*, both with the blow-pipe and in the humid way, including the testing of ores and other minerals, mineral waters, fertilizers, &c.
3. A course of *quantative analysis* by both the gravimetric and the volumetric method.

The Senior course is required for the scientific Degrees, or for Distinguished Proficiency in the School, but not for the Degree of A. B.

In Chemical Analysis, Hand Books.—"Bowman's Practical Chemistry" and "Will's Tables," with Fresenius and Fownes for reference.

An *extra fee* is charged in this class to cover the cost of material consumed by the students in chemical analysis.

SCHOOL OF APPLIED CHEMISTRY.

PROFESSOR PRATT.

In this School are taught Metallurgy and the applications of the principles of Chemistry to Agriculture, Mining, Manufacturing, and the Mechanic Arts, together with Vegetable and Animal Physiology.

Candidates for the Degree of Mining Engineer pursue, in the laboratory, a course of blow-pipe and humid analysis of the most important ores and minerals. They are also taught the subjects of opening, working and ventilating mines; cleaning, pulverizing, washing and reducing the ores of all the more useful metals; the manufacture of iron and steel; the construction of furnaces, &c.; and visits made to important and developed mining regions of the country serve to illustrate practically their theoretical lessons in Geology and Mining.

CIVIL AND MINING ENGINEERING.

The courses in Civil and Mining Engineering are now in full operation, and afford the means of thorough preparation for these important professions. The following schedule shows the Schools included in these courses, and the order in which the classes should be attended.

I.—CIVIL ENGINEERING.

(Including Mechanical and Topographical Engineering and Architecture.)

This course extends over three years, and students desiring to enter it must have previously completed the Junior course in Mathematics, embracing Algebra, Plane Geometry, and Trigonometry; and must possess a proper knowledge of the English language.

First Year.

PURE MATHEMATICS. <i>Intermediate Class</i>	Prof. NELSON.
CHEMISTRY.....	Prof. CAMPBELL.
CIVIL ENGINEERING and DRAWING. <i>Junior Class</i>	Prof. ALLAN.
FRENCH.....	Prof. JOYNES.
ENGLISH.....	Prof. KIRKPATRICK.

Second Year.

PURE MATHEMATICS. <i>Senior Class</i>	Prof. NELSON.
PHYSICS and MECHANICS.....	Prof. McCULLOH.
CIVIL ENGINEERING and DRAWING. <i>Intermediate Class</i> ...	Prof. ALLAN.
FRENCH.....	Prof. JOYNES.

Third Year.

CIVIL ENGINEERING. <i>Senior Class</i>	Prof. ALLAN.
MINERALOGY and GEOLOGY.....	Prof. CAMPBELL.
PHYSICS and MECHANICS, (<i>completed</i>).....	Prof. McCULLOH.
ASTRONOMY.....	Prof. ALLAN.

II.—MINING ENGINEERING.

(Including Chemical Analysis, Geology and Metallurgy.)

First Year.

Same as in preceding course.

Second Year.

PURE MATHEMATICS. <i>Senior Class</i>	Prof. NELSON.
PHYSICS and MECHANICS.....	Prof. McCULLOH.
CIVIL ENGINEERING and DRAWING. <i>Intermediate Class</i>	Prof. ALLAN.
GERMAN or FRENCH.....	Prof. JOYNES.

Third Year.

ANALYTICAL CHEMISTRY.....	Prof. CAMPBELL.
MINERALOGY and GEOLOGY.....	Do. Do.
TUNNELS, SHAFTS, ARCHES, &c.....	Prof. ALLAN.
PHYSICS and MECHANICS, (<i>completed</i>).....	Prof. McCULLOH.
MINING and METALLURGY.....	Do. Do.

Degrees will be awarded to students in these courses who pass a satisfactory examination, and submit such plans, drawings, specifications, calculations, &c., on some subject or subjects, as may prove their ability to take charge of and direct professional work.

COURSE OF NATURAL HISTORY AND GEOLOGY.

I. NATURAL HISTORY.—Professor McCULLOH.

In the course of Natural History, comprising human and comparative Anatomy and Physiology, Hygiene, Descriptive Botany, and Vegetable Physiology, there are three lectures and recitations per week.

This attractive and important study has been generally much neglected, except in medical schools. Every person needs the knowledge of his own body requisite to the preservation of its health; and the care of the domestic animals and the cultivation of plants cannot be intelligently conducted by one ignorant of their organization.

This course will be illustrated by a well selected collection of anatomical preparations and diagrams; and animals and plants will furnish facilities for demonstration.

The TEXT-BOOKS used are Agassiz and Gould's Zoology, Gray's Botanical works, and such plates and books of reference on human and comparative Anatomy as will be indicated to the class.

II. MINERALOGY AND GEOLOGY.—Professor CAMPBELL.

The course of Mineralogy and Geology will occupy three hours per week in lectures and recitations.

The study of *Mineralogy* will be directed chiefly to the valuable metallic ores, and such other minerals as are especially useful in the arts. The leading objects will be to make the student familiar with:

1. The external properties of valuable minerals as they are found in the earth.
2. The methods of testing them with chemical re-agents and with the blow-pipe.
3. Their practical value and relation to the arts.

Geology will be taught with reference both to its scientific and practical bearings:

1. As a science, describing the physical structure of the Earth's crust, its various constituents, and the relative position of its valuable minerals.
2. With reference to its practical relation to Mining, Engineering and Agriculture.

This course will be illustrated by a large and varied collection of all the important ores, and the building materials used in Engineering and Architecture; and by numerous Maps and Sections taken from Reports on the Geology of different States.

It is believed that the knowledge imparted by such a course of instruction as this will be of great service in the rapid and thorough development of the immense mineral resources of our Southern States.

Text-Books.

Dana's Mineralogy; Dana's Geology.

Contributions to the Cabinet of Natural History and Geology are earnestly solicited from the friends of the Institution.

DEPARTMENT OF LAW AND EQUITY.

This Department, which has been in operation for several years, and was, prior to its connection with the University, conducted for many years by Professor BROCKENBROUGH, is now divided into two Schools, under two Professors.

I. SCHOOL OF COMMON AND STATUTE LAW.

PROFESSOR BROCKENBROUGH.

Text-Books.

1. *Junior Class.*—2d, 3d and 4th Books of Blackstone's Commentaries (Sharswood); Smith on Contracts.
2. *Senior Class.*—Williams on Real Property; Williams on Personal Property; Greenleaf on Evidence; Stephens on Pleading; Brightley on Bankruptcy.

For Reference.—Smith's Leading Cases; Benjamin on Sales; Code of Virginia, (1860); Mathews' Digest; Brightley's Digest of United States Statutes.

In this School there are three recitations for each class per week. Experience has shown that oral examination on text-books and lectures is of great value in stimulating research and invigorating the memory. The Professor many years since prepared, what he has since continued and extended, a series of questions on the plan of "Field's Analysis of Blackstone," which he uses with the class.

But in addition, the Professor, by lectures and by written notes, which are supplied to the class, enlarges upon the text-books, giving reference to those cases in England and America which bear upon the Law of Real and Personal Property—of Contracts—of Pleading and Evidence.

It will be his desire to generate in the mind of the student a taste for the study of law, as an enlarged and rational system of jurisprudence, and to imbue him with the philosophical spirit that

prevades it throughout all its extensive ramifications. Taught to regard law as a noble and refined science, and not merely as a crude collection of arbitrary precedents, the student will proceed to the investigation of its abstruse and subtle principles with a zest that will relieve the study of all its drudgery.

II. SCHOOL OF EQUITY AND PUBLIC LAW.

PROFESSOR TUCKER.

Text-Books.

1. *Junior Class.*—1st Book of Blackstone's Commentaries (Sharswood); Vallet's International Law; The Federalist.

Recitations three times a week.

The Professor in this class, by lectures, endeavors to trace the development, from the principles of Natural Law, of the science of Constitutional Law and International Law. In these he embraces the consideration of the principles of Government, especially as developed in the British and American Constitutions, illustrating these by a history of the rise and progress of English Law, and the influence of the Civil Law upon it; and the history of the Federal System and decisions of the Courts upon the Federal Constitution.

For Reference in this Class.—De Lohm (Macgregor) on the (British) Constitution; Hallam's Constitutional History; Reeve's (Finlanson) History of English Law; Cooper's Justinian; Demat's Civil Law; Maine's Ancient Law; The Madison Papers; Philimore and Wheaton on International Law.

2. *Senior Class.*—Smith's Mercantile Law (Holcombe and Gholson); Adams' Equity; Hunter's Suit in Equity.

Recitations three times a week.

As Mr. Smith's work, though a clear exposition of the subjects of which it treats, is not sufficiently full, the Professor supplements it by lectures, in which he enlarges upon the subjects treated by Smith, by copious references to other works. Thus:

On Agency, Story on Agency; on Partnership, Parsons and Collyer; on Bills and Notes, Byles and Parsons; on Affreight-

ment and Admiralty, Parsons' Mercantile Law; on Lien, Stoppage in *transitu*, &c., Benjamin on Sales; on the Conflict of Laws, Story; on Corporations, Angell and Ames, and Grant; and making free use of the Leading Cases of Mr. Smith.

In the Course of Equity — Reference will be freely made to White and Tudor's Leading Cases, with American Notes and Daniel's Practice.

As so many of these books are not within reach of the student, the Professor offers access to them and to the Reports, and endeavors thus to fix the principles in the mind of the student, with such references to the latest English and American Cases as will prepare him for the practice of his profession.

MOOT COURTS are held under direction of the Professors, and the effort is made to invest these "feigned issues" with as much interest and value as possible.

BUSINESS SCHOOL.

MARCUS AMMEN, PRINCIPAL.

MR. MATHEWS, INSTRUCTOR IN COMMERCIAL ARITHMETIC.

This School is composed of the following branches:

BOOK-KEEPING, COMMERCIAL ARITHMETIC, ACTUAL BUSINESS AND PENMANSHIP.

1. BOOK-KEEPING: The instruction in this department includes: Book-Keeping by Single and Double Entry, with exercises in Individual and Partnership Books, involving practice in Entering, Journalizing, Posting, Balancing, and Closing Accounts, and Balance Sheets; Business Forms such as Invoices, Receipts, Bills of Lading, Checks, Drafts, Promissory Notes, Negotiable Notes, Endorsements, Accounts Current, Accounts Sales, Foreign and Inland Exchange, Insurance Policies and Commercial Correspondence.

2. COMMERCIAL ARITHMETIC; including calculations in Fire, Life and Marine Insurance, &c.

3. ACTUAL BUSINESS: This Department (which includes Book-Keeping) embraces both the Theory and Practice of business; and, in order that every sort of transaction and form may come up and be experimentally understood, the student is furnished with Representative Money, with which he purchases a stock of Representative Merchandise; with these he conducts business on his own account, keeping his own books, until the first principles are understood; when his books are closed and a balance sheet is drawn preparatory to a change of business; which will call for additional forms and auxiliary books. In like manner the character of business will be changed from time to time, so that the whole matter may be practically comprehended.

4. PENMANSHIP: The effort is here made to give the student a good business hand, and as auxiliary to this he is taught the analysis of the letters.

This School being independent of the regular Academic and Professional Schools of the University, a separate charge is made for tuition in it, as follows:

TUITION.—Payable in Advance.

BOOK-KEEPING.....	\$10 00
COMMERCIAL ARITHMETIC.....	10 00
ACTUAL BUSINESS.....	20 00
PENMANSHIP.....	10 00

Certificates will be conferred upon students who complete the course, and pass the required examination in Commercial Arithmetic, Penmanship, and Actual Business, or Book-Keeping.

SCHEDULE OF CLASSES AND HOURS.

The following Schedule is arranged with reference to the most natural order of studies looking to the several Degrees, and also with the view of admitting, in addition, a liberal range of elective studies, for those who may not be candidates for Degrees. In the choice and arrangement of their courses of study, students must have reference to this Schedule, so as to avoid any conflict of hours.

	8-9	9-10	10-11	11-12	12-1	1-2	3-4½
<i>Daily Classes.</i>	Prep. Math. Jun. Greek S.*	Junior Latin S. Junior Math S.	Prep. Greek. Junior Math S.	Prep. Math. Jun. Latin S. Junior History. Physics.	Prep. Latin, Junior Greek S. Junior Math. S. Moral Philos'y. Int. Ap. Math.	Junior Latin S Junior Math. S Mechanics. Jun. Ap. Math.	MONDAY. Physics. Sen. Eng. Ex.
<i>Classes Meeting MONDAY, WEDN'DAY, FRIDAY.</i>	Senior Latin. Jun. Chem. S.	English S. Senior Math. Junior Law.	Jun. French. S. Rhetoric. Jun. Chem. S. Jun. Astron'y.	Int. Greek. Sen. German.	Jun. French S. Int. Math. Sen. Chem. S. Senior Law.	Jun. German S. Senior History.	WEDN'DAY. Physics. Sen. Lat. Ex.
<i>Classes Meeting TUESDAY, THURSDAY, SATURDAY.</i>	English S. Senior Greek. Min. and Geol.	Senior French. Sen. Chem. S. Junior Law.	English S. Int. Latin. Junior Chem. Spanish. Sen. Ap. Math.	Eng. Philology.	Jun. German S. Natural Hist'y. Senior Law.	Jun. French S. Eng. Literature	THURSDAY. Sen. Math. Ex.
							FRIDAY. Physics. Sen. Gk. Ex.

*S. denotes the different Sections of the same Class.

EXAMINATIONS.

These are :

1. The general Examinations, Intermediate and Final, held, the former near the middle, and the latter near the close of the session.

2. The special Examinations for Degrees, or for Certificates of Proficiency, held near the close of the session.

These Examinations are partly written and partly oral, and are conducted by the Professor of the School in the presence of the President and a committee of the Faculty. A committee of the Trustees is also appointed to attend the general Examinations, Intermediate and Final. No Certificate of any kind is conferred, except after thorough and satisfactory examination upon the prescribed subjects.

No student is permitted to absent himself from any one of his examinations.

CERTIFICATES.

1. As evidence of *distinguished attainments* in any CLASS, within any of the SCHOOLS, a CERTIFICATE OF DISTINCTION will be conferred.

2. As evidence of *satisfactory attainments* in any SCHOOL, or complete subject therein, a CERTIFICATE OF PROFICIENCY will be conferred, with the title of PROFICIENT.

3. As evidence of *distinguished attainments* in any SCHOOL, or complete subject therein, a CERTIFICATE OF DISTINGUISHED PROFICIENCY will be conferred, with the title of DISTINGUISHED PROFICIENT.

4. When any student has made distinguished attainments in any *three* SCHOOLS, or distinct CLASSES of different SCHOOLS, within one session, a special Certificate will be conferred on him, with the title of DISTINGUISHED UNDERGRADUATE.

DEGREES.

1. ACADEMIC.

I. BACHELOR OF PHILOSOPHY (B. P.) The requirements for this Degree are *Certificates of Proficiency* in ENGLISH LANGUAGE and LITERATURE; MODERN LANGUAGES; MORAL PHILOSOPHY and HISTORY; and in LATIN, or GREEK, or MATHEMATICS; and in CHEMISTRY, or NATURAL PHILOSOPHY, or APPLIED MATHEMATICS; and a suitable Essay or Oration, which shall be read or delivered at the Public Commencement, if so required by the Faculty.

II. BACHELOR OF SCIENCE (B. S.) The requirements for this Degree are *Certificates of Proficiency* in MATHEMATICS; APPLIED MATHEMATICS; CHEMISTRY, including MINERALOGY and GEOLOGY; NATURAL PHILOSOPHY, including ANALYTICAL MECHANICS; FRENCH; and in ENGLISH, or MORAL PHILOSOPHY, or HISTORY, or LATIN, or GREEK; and a suitable Essay or Oration, as above.

III. BACHELOR OF ARTS (A. B.) The requirements for this Degree are *Certificates of Proficiency* in LATIN; GREEK; ENGLISH; MORAL PHILOSOPHY; MATHEMATICS, and ELEMENTARY ASTRONOMY; and in HISTORY, or MODERN LANGUAGES; and in CHEMISTRY, or NATURAL PHILOSOPHY, or APPLIED MATHEMATICS; and a suitable Essay or Oration, as above.

IV. MASTER OF ARTS (M. A.) To attain this Degree, the highest literary honor conferred by the University, the student must have received *Certificates of Proficiency* in LATIN; GREEK; ENGLISH; MORAL PHILOSOPHY; HISTORY; MATHEMATICS; CHEMISTRY; NATURAL PHILOSOPHY; and in MODERN LANGUAGES and ENGLISH LITERATURE, or APPLIED MATHEMATICS; and *Certificates of Distinguished Proficiency* in at least SEVEN ENTIRE SCHOOLS; have passed a satisfactory Review Examination on all the subjects included; and furnished a suitable Essay or Oration, which shall be read or delivered at the Public Commencement, if so required by the Faculty.

2. PROFESSIONAL.

V. CIVIL ENGINEER (C. E.) The requirements for this Degree are *Certificates of Proficiency* in MATHEMATICS; APPLIED MATHEMATICS, including ASTRONOMY; CHEMISTRY; MINERALOGY and GEOLOGY; NATURAL PHILOSOPHY, including ANALYTICAL MECHANICS; FRENCH; ENGLISH; and plans and reports upon assigned subjects.

VI. MINING ENGINEER (M. E.) The requirements for this Degree are *Certificates of Proficiency* in MATHEMATICS; APPLIED MATHEMATICS; CHEMISTRY; MINERALOGY and GEOLOGY; APPLIED CHEMISTRY; NATURAL PHILOSOPHY, including MECHANICS; MINING and METALLURGY; FRENCH or GERMAN; ENGLISH; and plans and reports upon assigned subjects.

VII. BACHELOR OF LAW (B. L.) This Degree is conferred on Graduates in the DEPARTMENT OF LAW AND EQUITY.

COLLEGE HONOURS.

I. RESIDENT MASTERSHIPS.

The Faculty appoint annually three Graduates of the Degree of Master of Arts, with the title of RESIDENT MASTERS, under the following regulations:

1st. Each appointment shall be for two years.

2d. Said Resident Masters shall be required to pursue at least one academic course of study in the University.

3d. They shall be free from all charges for tuition and other fees, and during their term of Residence shall receive an annual income from the University of two hundred dollars each.

4th. They shall be required to teach in the University, *ex officio*, not exceeding one hour per day.

5th. They shall also prepare and deliver such essays, orations, &c., as may be required of them by the Faculty, and in other respects shall be subject to such general regulations as the Faculty may prescribe.

II. HONORARY SCHOLARSHIPS.

These are intended to reward high attainments in scholarship and at the same time to promote and secure general meritorious conduct. They are five in number, and are distributed as follows: One is appointed by the President from the students at large; two are nominated by the Professors of LATIN, GREEK, and MATHEMATICS; one by the Professors of MODERN LANGUAGES, HISTORY, and MORAL PHILOSOPHY; and one by the Professors of APPLIED MATHEMATICS, NATURAL PHILOSOPHY, and CHEMISTRY. These nominations must be confirmed by the Faculty.

Students appointed to these Scholarships are entitled to attend the University for the next session without payment of fees.

III. PRIZE MEDALS.

1. For the ROBINSON PRIZE MEDALS, which are three in number and of equal value, there shall be annually proposed special Prize Examinations, or subjects for competition, as follows:

The first shall be within the Schools of LATIN, GREEK, and MATHEMATICS.

The second shall be within the Schools of NATURAL PHILOSOPHY, CHEMISTRY, and APPLIED MATHEMATICS.

The third shall be within the Schools of MODERN LANGUAGES, ENGLISH LANGUAGE and LITERATURE, HISTORY, and MORAL PHILOSOPHY.

These Examinations, or Competitions, shall be open to all the students within the Schools aforesaid; and the Medals, numbered as above arranged, shall be awarded by the Professors of the several Schools named, subject to the conditions imposed by the bequest: Provided, that no student shall receive the same Prize twice.

2. The SANTINI PRIZE MEDAL, which has been established by Joseph Santini, Esq., of New Orleans, will be conferred annually by the Faculty upon the writer of the best Essay published during the Session in the "Southern Collegian."

IV. COMMENCEMENT ORATIONS.

1. The CINCINNATI ORATION shall be awarded to that *graduate* who shall be judged by the Faculty to have attained the highest degree of general scholarship.

2. The VALEDICTORY ADDRESS shall be awarded to that *graduate* who shall be selected by his fellow graduates.

3. An Oration, to be called the UNIVERSITY PRIZE ORATION, shall be awarded by the Faculty to that *student* who may have submitted the best Essay or Oration, in such manner as may be prescribed by the Faculty: Provided, that to no student shall more than one of the above Orations be awarded in one year.

4. Such additional Essays or Orations shall be delivered as may be selected by the Faculty from among those that are submitted by graduates, as in the requirements for degrees.

V. GRADATION.

In every list of Distinctions or Proficients, in any Class or School, the most distinguished students, to a number not exceeding *one-third* of the whole, may be announced in the order of relative standing, at the discretion of the Faculty.

PRIZE SCHOLARSHIPS AND SPECIAL PRIVILEGES.

I. In order to promote the cause of education and of sound learning, the Board of Trustees have inaugurated a system of PRIZE SCHOLARSHIPS to be conferred on High Schools and Academies throughout the country. By the terms of these Scholarships, the student standing first in such High School or Academy, is entitled to enter the University for one year free of all fees.

A number of these Scholarships have been already established, and it is hoped that liberal patrons of learning, by endowing others, will enable the Board to extend still further the benefits of the system.

II. The Board of Trustees have authorized the Faculty to appoint to Scholarships a number of young men intending to make practical printing and journalism their business in life. These Scholars are to be free from all fees, on condition that, when required by the Faculty, they shall perform such disciplinary duties as may be assigned them in a printing office, or in other positions in the line of their profession, for a time equal to one hour in each working day.

III. By enactment of the Board of Trustees, a credit for fees, amounting to about one hundred dollars annually, is extended to such meritorious young men, seeking the advantages of the Institution, as are unable to pay the same, and their bond taken, payable in not less than two nor more than six years from the probable termination of their university course.

IV. By like enactment, the Faculty are authorized to admit into the University as students, free of charge for all fees, candidates for the Christian ministry: Provided, the said candidates shall be unable to pay these charges, and that they shall be recommended by some competent ecclesiastical authority as suitable persons to be educated for the ministry. The Faculty may at any time withdraw this privilege from any student who may prove unworthy of it; and if any student who has been admitted on these terms shall afterwards decline entering the ministry, the above fees shall be held as debts due the University, according to the conditions provided with reference to the credit extended to meritorious indigent young men. (Paragraph III, above.)

V. The Board of Trustees have also authorized the Faculty to admit as students into the Academic Departments of the University, without other charge than a fee for matriculation, library and deposit, not exceeding \$20, young men who have been engaged and purpose still to engage in *Teaching*: Provided, that the applicant shall produce testimonials of good moral character, and

of his having taught two years or more with satisfactory results; and that he shall possess sufficient attainments to enable him to enter regular classes in the University. This privilege is for one session, but in special cases may be renewed for another session. On entering the University, he shall give a written obligation to spend two years after leaving it in the business of teaching, or, failing to do this, to pay the usual charges for tuition, &c.

VI. In order to establish a system of post-graduate study, such as is necessary to the development of university education, and to extend its advantages as widely as possible, the Faculty will admit all graduates in regular academic Degrees of incorporated Colleges or Universities, (including the graduates of this University,) free of charge, except a fee for matriculation, library and deposit, not exceeding \$20, to all the privileges of *academical* instruction in the University.

The University does not furnish board to students holding scholarships, or to those who are received on credit, or to those received without charge for tuition, under any of the above provisions.

ADMISSION.

Applicants for admission who have been students in other Institutions, must produce evidence of having left them in good standing.

Applicants shall report themselves to the Faculty within twenty-four hours after their arrival, and none shall be permitted to remain more than two days in the University without matriculating, unless specially indulged by the Faculty.

COURSE OF STUDY.

The course of study is *elective*, each student being allowed to pursue such studies as his parent or guardian may select, if found prepared. But each student is required to attend at least eighteen

lectures a week or their equivalent ; and no student is allowed to leave any School without permission of the Faculty.

When in any School there are several classes, students are assigned to their classes at the beginning of the session, according to their qualifications, as far as these can be ascertained. At the end of the first month the classes are re-organized, as may be found necessary, and a permanent classification established. A student will, however, be liable at any time to a transfer to a lower class in the School, when it is deemed necessary by the Professor.

While the course of study is elective, students will yet receive the advice of the President and Faculty with reference to the choice and arrangement of their studies, according to the circumstances of each particular case. By a proper arrangement, the entire course of study requisite for the Baccalaureate Degrees can be completed in the time usually required for a collegiate course, or in less time, if the student enters well advanced.

PLAN OF INSTRUCTION.

The plan of instruction is by recitations from text-books and by lectures. In the less advanced classes, the instruction is conducted chiefly by text-books. In the more advanced, after the student has acquired the habit of attention, lectures form a more prominent feature.

The Junior and Preparatory classes are divided into sections of moderate size, with a view to ensure the more frequent examination of each student. This division of a class into sections is based, as far as practicable, upon the relative standing of its members.

GOVERNMENT.

The government of the University is administered by the President and Faculty, in accordance with a Code of Laws enacted by the Board of Trustees, a copy of which is furnished to each student

upon matriculating. The President devotes himself to the duties of his office, occupying a room in the buildings, to which the students have at stated times free access. He attends all examinations, presides at all the meetings of the Faculty, and by the Reports of the several Professors, is made acquainted with the standing and deportment of each student. All cases of irregularity receive his personal attention.

Students receive the admonition and counsel of the President before being subjected to any penalty, except in case of flagrant offences. Those who are habitually neglectful of their duties, or who do not regularly attend their lectures, will be required to withdraw from the University.

No student is allowed to leave the town during the session, without the permission of the President.

REPORTS TO PARENTS AND GUARDIANS.

Weekly Reports of the progress and attendance of the students are made to the President. At the end of every month a Circular is sent to the parent or guardian of each student, showing his absolute and relative standing in his several classes, the number of his absences from class, and any other facts that it may be deemed proper to communicate. At the close of each half-session, a similar Circular is sent, setting forth the results of his examinations, as well as his class standing and absences for the preceding term.

RELIGIOUS AND MORAL CULTURE.

Religious services are held every morning in the Chapel, by the clergymen of Lexington in rotation.

The students are required to attend these exercises, and are expected to attend the church of their choice at least once on Sunday. Opportunities are also afforded for attending Bible classes every Sunday.

A large and flourishing "Young Men's Christian Association" exists among the students, and has been found a most efficient agent in promoting their moral and religious welfare.

GYMNASTICS, &c.

Boat Clubs have been organized among the students, and fine rowing is to be had on the North River, near Lexington.

Every proper encouragement is given by the Faculty to these and other manly recreations.

LIBRARY.

Valuable additions have been made to the Library from several sources, since the close of the war. Conspicuous among these is a large and valuable contribution of scientific and literary works, made by RATHMELL WILSON, Esq., of Philadelphia; also a liberal donation of foreign works by several English Publishers. A valuable collection of works on Engineering has been donated to the Library during the present year, by MONCURE ROBINSON, Esq., of Philadelphia.

Arrangements exist by which the number of books is increased year by year. Students have free access to the Library.

APPARATUS AND CABINET.

The philosophical and chemical Apparatus has been already so far restored as to meet the immediate wants of the scientific Departments, and arrangements have been effected by which large accessions are constantly being made.

Very valuable illustrative apparatus for the use of the classes in Astronomy has recently been secured.

The Cabinet of minerals contains a large variety of specimens suitable for illustrating the sciences of Mineralogy and Geology. It is hoped that the friends of the University will continue to send donations of the finer and rarer kinds of specimens, until the Cabinet is restored to its former high degree of perfection.

LITERARY SOCIETIES.

The Literary Societies are: THE GRAHAM LEE SOCIETY, organized in 1809; and, THE WASHINGTON LITERARY SOCIETY, organized in 1812. These Societies meet each once a week, for debate and other literary exercises. Each Society has its own hall and library room, and their two libraries contained, before the war, an aggregate of about 4,000 volumes. Efforts are now being made, with the aid of friends abroad, to restore these libraries to their former condition. The influence of these Societies upon the character and culture of the students is highly estimated both by the Faculty and by the students themselves.

Each Society celebrates publicly the anniversary of its foundation: the Graham Lee Society on the 19th of January; the Washington Society on the 22d of February; and each Society appoints, from its own members, an Orator to represent it at the Commencement. On this occasion, also, a gold medal is publicly conferred, by each Society, upon its best *debater*; and an Address is delivered before the two Societies jointly, by some gentleman chosen by them for this purpose.

In connection with the final celebrations of the Societies, the SANTINI MEDAL is also conferred.

COMMENCEMENT, 1870.

*GRAHAM LEE SOCIETY.**Medalist:*

W. S. PRATHER, Texas.

Orator:

E. G. LOGAN, Ky.

*WASHINGTON SOCIETY.**Medalist:*

ALSTON BOYD, Tenn.

Orator:

S. D. McCORMICK, Ky.

Address:

Bishop E. M. MARVIN, St. Louis, Mo.

ANNIVERSARIES, 1871.

GRAHAM LEE SOCIETY.

Orator :

J. B. STUBBS, Texas.

Debaters :

T. L. CONNELLA, Ala.

J. W. LEE, Ky.

T. P. GRASTY, Ky.

J. W. TAYLOR, Texas.

WASHINGTON SOCIETY.

Orator :

J. V. RYALS, Va.

Debaters :

I. W. STEPHENS, Tenn.

G. SANTINI, La.

P. D. ENGLISH, Ark.

R. M. JOHNSON, Ind.

ALUMNI ASSOCIATION.

The Alumni of the University have had an Association in successful operation for many years. Its object is to keep alive among the Alumni the sentiment of affection for their Alma Mater, and to unite the graduates of successive years by a common tie of fellowship. Its annual meetings are held at the Commencement, when, after the transaction of business, an Anniversary Oration is pronounced by some Alumnus chosen by the Society and an Alumni Dinner is celebrated. The following is the present organization :

Col. BOLIVAR CHRISTIAN, *President.*W. A. ANDERSON, Esq., and Judge THOMAS D. HOUSTON, *Vice-Presidents.*D. C. LYLE, *Secretary.*J. W. BARCLAY, *Treasurer.**Executive Committee.*Judge J. K. EDMONDSON, *Chairman.*

Maj. J. B. DORMAN,

C. A. GRAVES,

JACOB FULLER, Esq.,

L. DESHA,

Alumni Orator, 1870.—Capt. H. R. MORRISON, Miss.

COMMENCEMENT EXERCISES.

These take place at the close of the session. On the Sunday preceding, a Baccalaureate Sermon is preached before the graduates and the students at large. On Commencement day the names of the students distinguished in the several classes are announced; the Certificates of Proficiency and University Prizes are publicly awarded by the President; and the Addresses of the graduates, and the Prize Orations and Essays, are delivered. The celebrations of the Literary Societies, and of the Society of the Alumni, as above noted, also take place in Commencement Week.

COMMENCEMENT, 1870.

Baccalaureate Sermon

Rev. W. T. BRANTLEY, D. D., Atlanta, Ga.

Cincinnati Oration:

E. B. KRUTTSCHNITT, M. A., Louisiana.

Valedictory:

GEO. B. PETERS, A. B., Tennessee.

LENGTH OF SESSION.

The next session will commence on the third Thursday in September, 1871, and continue without interruption until the fourth Thursday in June, 1872. The second half-session begins on the first of February.

EXPENSES.

Tuition, including three Schools.....	\$60 00
Each additional School.....	10 00
Extra fee for the School of Modern Languages.....	10 00
Matriculation fee, servants' attendance, use of Library, &c.....	35 00
Room rent.....	10 00

Students in Applied Chemistry, and in Civil Engineering (in the School of Applied Mathematics), pay an extra fee of \$15, in each department, for special instruction required in these departments.

The entire fees for the whole course of Law\$115 00
 For Junior course of Law, the entire fees are..... 90 00

Students taking the Junior course only, are required to take one or more academic Schools in addition, for which the additional fee is \$25.

All the above fees are to be paid in advance.

Each student shall be required to attend three full Schools, or their equivalent, unless specially excused by the Faculty.

Within two weeks after matriculation, students may substitute one School for another, by the consent of the Faculty, without additional charge; but after that time such change will not be permitted except upon the payment of the additional fee.

When a student is necessarily withdrawn from the University on account of sickness, before the beginning of the second half-session, one-half his fees (except matriculation fee of \$5) shall be refunded, but no fees are refunded after that time.

Students entering on or after the first of February are charged only half the regular fees. No reduction is made on account of late entrance in either half-session.

The occupants of each of the rooms in the University buildings are required to make a contingent deposit of \$25 with the Proctor for fuel, which is furnished at cost.

BOARDING.

At the University Hotel, board can be had at a cost not exceeding \$16 per month. During the present session, a large number of students have formed private messes and boarded themselves at from \$7 to \$10 per month. Additional buildings have recently been purchased, which will enable students to conduct the messing system with greater comfort and economy.

Board and lodging can also be had in private families at from \$18 to \$25 per month.

Students can lodge in the University buildings, furnishing their own rooms, and board in the town; or lodge and board in private families, in the town or in the vicinity.

Students shall take boarding at such private houses only as the Faculty shall approve, and the Faculty may, at any time, require a student to change his boarding-house.

Payment for board is required to be made quarterly in advance.

The necessary expenses, exclusive of clothing and books, need not exceed \$300. *By messing, students can reduce their expenses to from \$230 to \$250.*

As the lavish expenditure of money leads to many evils, parents are urged to limit their sons in their allowance of pocket money. To secure this end, it is recommended that parents direct their sons to deposit their funds with the Treasurer, who is authorized to receive them.

INSTRUCTION DURING VACATION.

Students who desire to make special preparation to enter classes the ensuing session can obtain instruction in classes conducted under the superintendence of the Faculty. Students who have completed the summer course will be examined at its close for admission into the regular classes.

TEXT-BOOKS.

All the Text-Books used in the University can be bought in Lexington at the usual retail prices.

ROUTES.

Lexington can be reached by Stage from Staunton or Goshen, on the Chesapeake and Ohio Railroad, or from Bonsack's on the Virginia and Tennessee Railroad, or by Packet from Lynchburg.

SCHOLARSHIPS.

To each person who will contribute to the endowment of the University the sum of *two hundred and fifty dollars*, there will be issued a Certificate reciting the fact, signed by the Treasurer, with *four* coupons attached. Each of these coupons, when redeemable, will be received in payment of all fees, except diploma fees and the fees in the Department of Law.

The first coupon will be dated on the 1st of September next succeeding the date of contribution, and the remaining coupons on the 1st of September of each succeeding year.

To any person who shall contribute *five hundred dollars*, there will be issued a like Certificate with *ten* coupons attached, and to any person contributing *one thousand dollars*, a Certificate with *twenty-four* coupons attached will be issued, each coupon dated in succession as above.

Holders of Limited, Life, or Family Scholarships may, at their option, convert the same into Certificates of like value, detaching a coupon for each year that students have been entered on said Scholarships, upon payment of bonds for said Scholarships, when the same have not been paid.

PHYSICAL SURVEY.

The Board of Survey, appointed by the Trustees, have been engaged for the past three years in collecting material for maps of the counties and of the State. These materials are worked up under the direction of the Board by Major J. Hotchkiss, their Topographical Engineer, and the maps will be published from time to time, as the arrangements for that purpose can be made. Another object of the Board is to collect all mineralogical, geological, or other information that may have a bearing upon the development of the resources of the State. They request the aid of their friends in this matter, who can greatly assist by forwarding such information as they may possess to the Board. Geological and mineralogical specimens, illustrating the different counties and sections, if forwarded to the President will be thankfully received and placed in the cabinet with names of donors attached.

LIST OF BOOKS

GIVEN TO THE LIBRARY DURING THE PAST YEAR.

- Commentaries on Paul's Epistle to the Romans, Rev. Dr. Plumer.
- Reports of the United States Commissioners to the Paris Exposition, 6 vols.,
by Senator Johnston.
- Patent Office Report, 1868, 4 vols., Senator Johnston.
- “ “ “ “ Hon. S. A. Merritt.
- Lippincott's Biographical Dictionary, J. B. Lippincott & Co.
- Reports of the Total Solar Eclipse, Hon. M. Sherrod, of Ala.
- Nautical Almanac, 1873, Prof. J. H. C. Coffin, U. S. N.
- Journal of House of Delegates Virginia, State of Virginia.
- Senate Journal and Documents, “ “
- Acts of Assembly, 1869-'70, “ “
- Grattan's Reports, vol. XIX, “ “
- Collection of works on Engineering, 202 vols., donated by Hon. Moncure
Robinson, of Philadelphia.
- Rapports du Jury International, Exposition Universelle de 1867, 13 Tomes,
M. Chevalier.
- Report of Departments of Agriculture, Hon. S. A. Merritt.
- Valuable Public documents, 9 vols., Hon. J. K. Shafer.

CONTRIBUTIONS

TO THE MINERAL AND GEOLOGICAL CABINETS MADE SINCE THE
PUBLICATION OF THE LAST CATALOGUE.

From William Firmstone, Esq., Glendon Iron Works, Pa., samples of iron from his furnace, with specimens of the ores, coal and limestone employed in its manufacture.

From M. J. B. Rosborough, Idaho Territory, some fine specimens of gold and silver bearing quartz from Idaho.

From Mrs. Eliza M. Perry, St. Louis, Mo., a beautiful collection of crystallized minerals, ores, &c., from different places in Missouri.

From Mr. C. S. Bennett, Charleston, S. C., an interesting collection of shark's teeth, and other fossils, from Ashley River, near Charleston.

From Ira F. Jordan, Esq., Louisa county, Va., a large and beautiful specimen of stalactic iron ore from his furnace.

From J. Wisler, Esq., Mt. Torey Iron Works, Augusta County, Va., several beautiful specimens of fibrous hematite ore.

From Hon. Samuel A. Merritt, M. C., Idaho Territory, a collection of rich silver ores from Nevada mines.

From Prof. J. B. Walker, Louisville, Ky., some interesting fossils from different parts of Kentucky.

From Prof. J. L. Campbell, Washington and Lee University, a collection of fossils from the Falls of the Ohio, and other localities around Louisville, Ky. In collecting and packing these, he acknowledges the valuable assistance of Prof. J. B. Walker and J. J. Harbison, Esq., of Louisville.

From Wm. N. Wilson, Esq., Augusta County, Va., a fine specimen of meteoric iron.

APPENDIX.

EXTENSION OF THE SCIENTIFIC AND PRACTICAL DEPARTMENTS OF
WASHINGTON COLLEGE.

At the request of the Board of Trustees the following plan for the extension of the Scientific and Practical Departments of Washington College, was prepared two years ago. Several of these departments, as will be seen from the catalogue, are now in operation, and the endowment of others is in progress. It is the design of the Board to carry forward the execution of the plan, until complete, as rapidly as the means are obtained :

WASHINGTON COLLEGE,
Lexington, Va., 8th January, 1869.

GENTLEMEN: I transmit herewith the report on the extension of the Scientific and Practical Departments of the College, prepared in accordance with the resolution passed at the last meeting of the Board of Trustees.

The main points of the plan presented are as follows :

1st. The establishment of new Departments of Agriculture, of Commerce, and of Applied Chemistry.

2d. A more complete development of the Engineering Schools now in operation, so that to the courses in Civil and Mining Engineering shall be added a distinct course in Mechanical Engineering, to embrace, besides Machinery, the most important branches of Practical Mechanics.

3d. The opening of a farm and workshops in connection with the instruction in Agriculture, Industrial Mechanics, and Practical Chemistry.

The new departments proposed (Agriculture, Commerce, and Applied Chemistry,) are believed to be needed in the present condition of the country. Agriculture is, at present, the most important interest of the Southern people, and must continue so for years to come. No effort, therefore, should be spared to advance it, and to extend to it all the

advantages which science has bestowed upon manufacturers. An Agricultural school, where scientific principles and processes may be applied and illustrated, will be of efficient service. Similar schools have been found useful elsewhere, and the absence of any such in our State furnishes an additional argument for its organization. The establishment of a school of Applied Chemistry is to carry out the plan of the Board of Trustees, adopted sometime since. In recommending a Commercial School, it is proposed, not merely to give instruction in book-keeping and the forms and details of business, but to teach the principles of Commercial Economy, Trade, and Mercantile Law. Such a school may, with great advantage, be added to the schools of the College, as many students may by its means prepare themselves for business pursuits while obtaining such scientific and literary culture in the other schools, as time and opportunity may allow.

The additional course in Engineering is necessary, in order to relieve the other courses, and to secure more complete instruction in machinery and the other branches of practical mechanics. It is proposed to establish a workshop in this department, where students may become practically acquainted with the use of tools and the working of machinery, and thus add practical to theoretical knowledge.

The great object of the whole plan is to provide the facilities required by the large class of our young men, who, looking to an early entrance into the practical pursuits of life, need a more direct training to this end than the usual literary courses. The proposed departments will also derive great advantage from the literary Schools of the College, whose influence in the cultivation and enlargement of the mind is felt beyond their immediate limits.

The establishment of such departments would, I believe, add greatly to the importance and usefulness of the College.

Respectfully submitted,

R. E. LEE, *Pres. W. C.*

To the Finance Committee of the Board of Trustees.

REPORT.

WASHINGTON COLLEGE,

January 8, 1869.

To General R. E. LEE, President:

DEAR SIR: The department of Applied Science should be so organized as to give thorough instruction in: 1st. Agriculture; 2d. Commerce; 3d. Civil and Mechanical Engineering; 4th. Mining and Applied Chemistry. And these professional courses should respectively embrace the following sub-divisions or subjects of study:

I. COURSE OF AGRICULTURE,

Consisting of: 1st. Vegetable and animal anatomy and physiology, or the laws of nutrition, growth and health of plants and animals; 2d. Descriptive botany and zoology; 3d. Zootechny, or the raising, improvement and management of the domestic animals; 4th. Arboriculture, horticulture and agriculture; 5th. Pomology, or the culture of fruits, making of wine, cider, vinegar, &c.; 6th. Geometry, linear drawing and land surveying; 7th. Rural engineering, or mechanics and geometry applied to the construction and use of agricultural improvements and machines, buildings, walls and fences, also to road-making, draining and irrigation; 8th. Rural economy or book-keeping, arithmetic, &c., applied to farm accounts and management; 9th. Penmanship; 10th. The law of titles, contracts and accounts; 11th. The preparation of manures and composts; 12th. Elementary chemistry, and chemistry applied to the analysis and fertilization of soils; 13th. The use of tools practically taught.

II. COURSE OF COMMERCE,

Consisting of: 1st. Mathematics of accounts, exchange, insurance, annuities, compound interest, &c.; 2d. Geometry and drawing; 3d. Book-keeping and penmanship; 4th. Commercial correspondence, and the correct use of the English language; 5th. Geography applied to

production and commerce; 6th. Commercial technology, or the productions of mechanical and chemical manufactures as articles of trade; 7th. The elements of commercial law, or law of bills, notes, contracts, insurance, corporations, bailments, shipping, &c.; 8th. Commercial economy, or the administration and financial management of commercial enterprises, banks, insurance and joint stock companies, railroads, canals, ships, steamers, telegraphs, &c.; 9th. Commercial history and biography; 10th. Modern languages.

III. CIVIL AND MECHANICAL ENGINEERING.

This School should embrace two distinct courses: 1st. Civil Engineering; 2d. Mechanical Engineering; sub-divided into subjects as follows:

1. *Course of Civil Engineering,*

To comprise: 1st. Mathematics, pure and applied; 2d. Descriptive geometry and stereotomy; 3d. Linear, perspective and topographical drawing; 4th. Chemistry; 5th. General and industrial physics; 6th. Rational and applied mechanics; 7th. Cinematics, or the principles of mechanism; 8th. Land, topographical and geodetical surveying; 9th. Levelling, and the location of roads, canals, &c.; 10th. Elementary and spherical astronomy; 11th. Construction of roads, railroads, canals, bridges, arches, culverts, aqueducts, &c.; 12th. Mortars, cements and building materials; 13th. Strength and resistance of materials; 14th. Carpentry and masonry; 15th. Structures in iron and other metals; 16th. Hydraulic engineering, applied to the supply of water by reservoirs, aqueducts, pipes, &c., also, to the improvement of rivers and channels, levees, canals, dams, harbors, docks, coast-works, &c.; 17th. Industrial geology and metallurgy; 18th. The use of tools practically taught; 19th. History, theory and practice of architecture; 20th. Industrial economy, or the development and administration of railways, canals, manufactories, &c.; 21st. French and English languages.

2. Course of Mechanical Engineering,

To embrace: 1st. Mathematics, pure and applied; 2d. Descriptive geometry and drawing; 3d. Chemistry; 4th. General and industrial physics; 5th. Rational and applied mechanics; 6th. Cinematics, or the principles of mechanism; 7th. Strength and resistance of materials; 8th. Mortars, cements and building materials; 9th. Carpentry and masonry; 10th. Architecture; 11th. Structures in iron and other metals; 12th. Construction of steam engines and locomotives; 13th. Construction of mills, factories, water-wheels, &c.; 14th. Construction of machines, tools, agricultural implements, &c.; 15th. Metallurgy and industrial geology; 16th. The use of tools practically taught; 17th. Economy of machinery and manufactures; 18th. French and English languages.

IV. MINING ENGINEERING AND APPLIED CHEMISTRY.

In this School there should be also two separate courses: 1st. Of Mining and Metallurgy; 2d. Of Chemistry applied to the Arts.

1. Course of Mining and Metallurgy,

To consist of: 1st. Mathematics, pure and applied; 2d. Descriptive geometry and drawing; 3d. Chemistry; 4th. General and industrial physics; 5th. Rational and applied mechanics; 6th. Strength and resistance of materials; 7th. Mortars, cements and building materials; 8th. Carpentry and masonry; 9th. Structures in iron and other metals; 10th. Cinematics, or principles of mechanism; 11th. Use of tools and chemical manipulations; 12th. Construction of steam engines, and of mining and metallurgic machines; 13th. Working or exploitation of mines; 14th. The manufacture of iron, steel, &c.; 15th. Construction and use of furnaces, crucibles, &c.; 16th. Metallurgy and industrial geology; 17th. Mineralogy and crystallography; 18th. Docimasy, and the analysis of ores, minerals, &c., by the wet method; 19th. Economy and management of mining and metallurgic enterprises; 20th. French and English languages.

2. Course of Chemistry Applied to the Arts,

To consist of: 1st. Elementary mathematics; 2d. Linear drawing; 3d. General and industrial physics; 4th. General and analytical chemistry; 5th. Mineralogy and crystallography; 6th. Industrial geology and metallurgy; 7th. Botany, zoology, and comparative anatomy; 8th. Physiological chemistry, vegetable and animal; 9th. The use of the mouth blow-pipe; 10th. Glass-blowing, with the enameller's lamp; 11th. The use of tools practically taught; 12th. Photography; 13th. Chemical technology, or the manufacture of acids, alkalies, salts, glass, pottery, illuminating gas and oils, soaps, paints, varnishes, dyes, drugs, fermented and distilled liquors, vinegar, sugar, starch, bread, gelatine, leather, etc.; 14th. Economy and the management of chemical manufactures.

Students who complete either of the above courses will receive professional diplomas, equivalent to those of Civil and Mining Engineer, already established. And those who, for want of time or other reason, shall study only part of either course, will receive certificates of progress or proficiency for such part.

It is very important that the instruction in these professional courses be made as practical as possible; and, to that end, that there be annexed to these Departments a farm and garden, a mechanical workshop, and a laboratory or workshop for metallurgic and chemical operations. The students can then perform such work and examine such operations as their studies may demand. This work may, and should be made remunerative, at least sufficiently so to prevent said farm and workshops from being an expense and burden to the funds of the College.

The farm and garden, rightly managed by a skilful superintendent, and the mechanical workshop, in which agriculture and other implements may be made, should at least pay expenses. Even the laboratory, if judiciously conducted, may be self-sustaining, instead of requiring heavy appropriations and fees to pay for costly experiments and destroyed apparatus; which has been the difficulty generally encoun-

tered in imparting instruction in practical chemistry to young and unskilful beginners—a difficulty which has often compelled this mode of instruction, confessedly the best, to be reluctantly abandoned, even in institutions amply endowed.

In the mechanical studies a large portion of time should be given to the neat and exact execution of working drawings of machines, masonry, carpentry, &c. ; without skill in which essential labor, no one is qualified to take charge of works of construction, or superintend industrial establishments, in such a manner as is called for by the present advanced state of the arts.

Respectfully submitted by

R. S. McCULLOH,

A L NELSON,

WM. PRESTON JOHNSTON,

J. L. CAMPBELL,

WM. ALLAN,

} *Committee.*

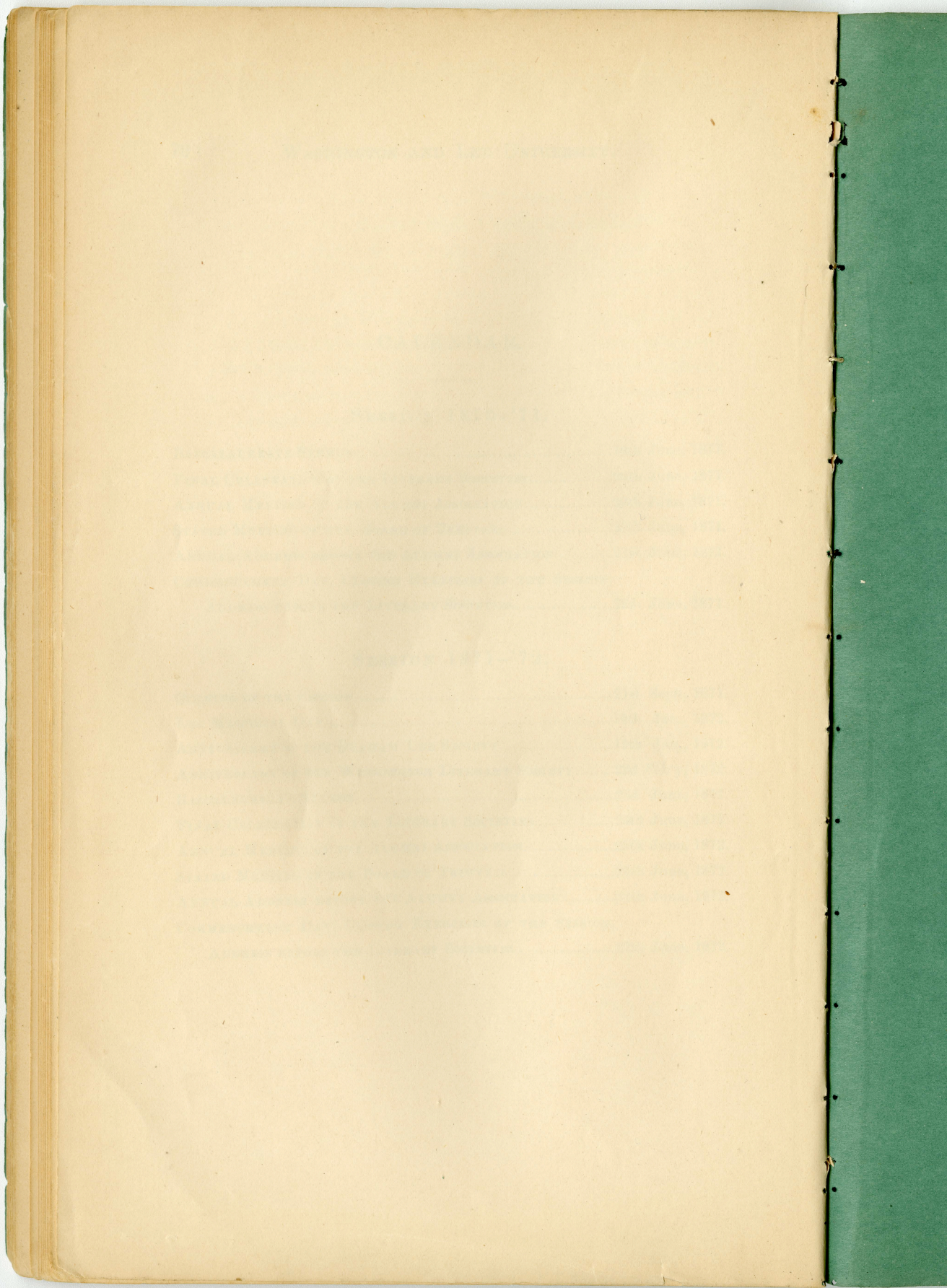
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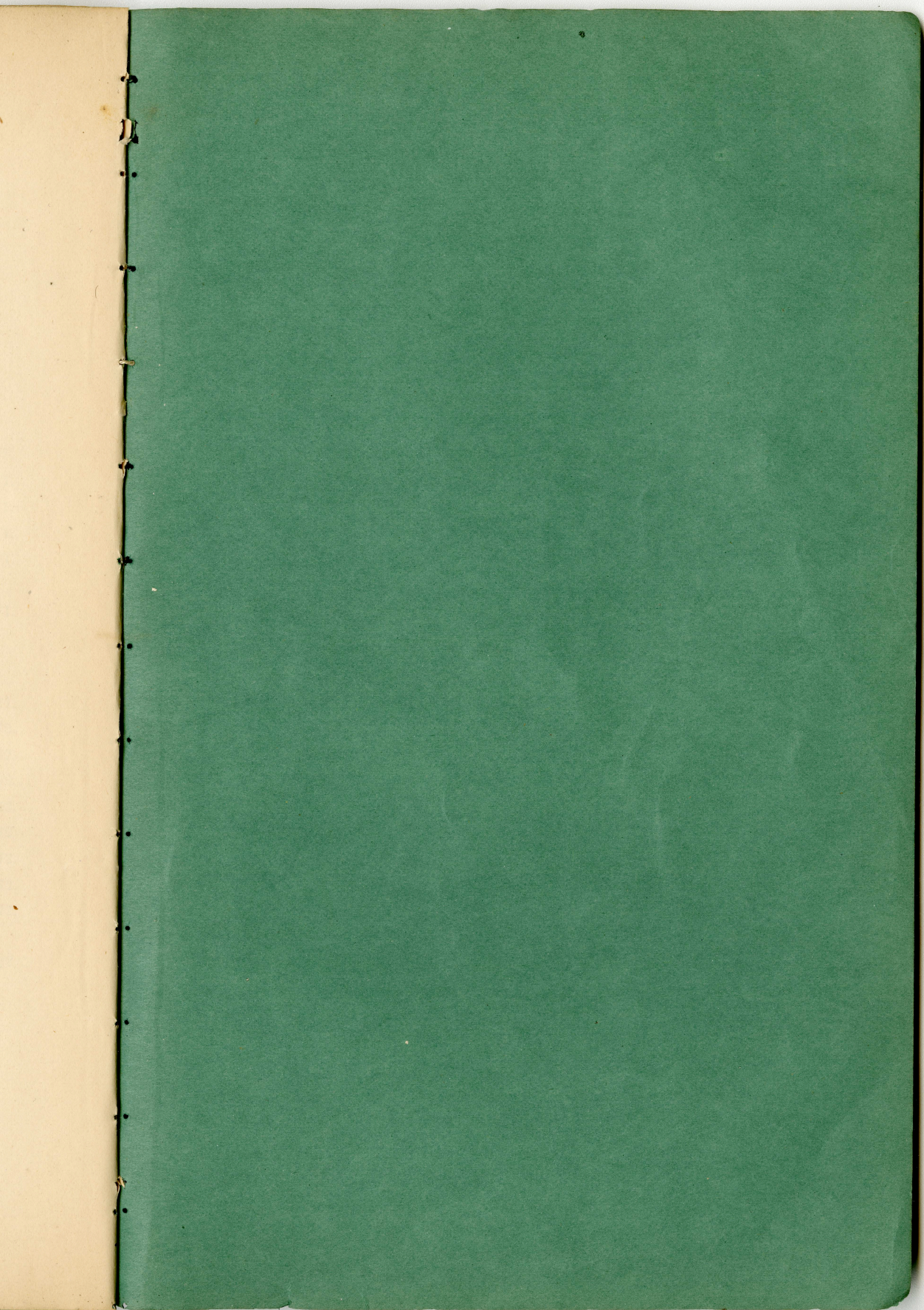
SESSION 1870-'71.

BACCALAUREATE SERMON.....	18th June, 1871.
FINAL CELEBRATION OF THE LITERARY SOCIETIES.....	20th June, 1871.
ANNUAL MEETING OF THE ALUMNI ASSOCIATION.....	20th June, 1871.
STATED MEETING OF THE BOARD OF TRUSTEES.....	20th June, 1871.
ANNUAL ADDRESS BEFORE THE ALUMNI ASSOCIATION.....	21st June, 1871.
COMMENCEMENT DAY, CLOSING EXERCISES OF THE SESSION, ADDRESS BEFORE THE LITERARY SOCIETIES.....	22d June, 1871.

SESSION 1871-'72.

OPENING OF THE SESSION.....	21st Sept., 1871.
LEE MEMORIAL DAY.....	19th Jan., 1872.
ANNIVERSARY OF THE GRAHAM LEE SOCIETY.....	19th Jan., 1872.
ANNIVERSARY OF THE WASHINGTON LITERARY SOCIETY.....	22d Feb'y, 1872.
BACCALAUREATE SERMON.....	23d June, 1872.
FINAL CELEBRATION OF THE LITERARY SOCIETIES.....	25th June, 1872.
ANNUAL MEETING OF THE ALUMNI ASSOCIATION.....	25th June, 1872.
STATED MEETING OF THE BOARD OF TRUSTEES.....	25th June, 1872.
ANNUAL ADDRESS BEFORE THE ALUMNI ASSOCIATION.....	26th June, 1872.
COMMENCEMENT DAY, CLOSING EXERCISES OF THE SESSION, ADDRESS BEFORE THE LITERARY SOCIETIES.....	27th June, 1872.





1871-72

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catalogs