REGISTER

OF THE

MARYLAND

AGRICULTURAL COLLEGE,

FOR

SESSION ENDING JUNE 28,

1881.

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PRINTED AT THE OFFICE OF THE "MARYLAND FARMER."
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TRUSTEES.

Representing the State Ex-Officio.

HON. WM. T. HAMILTON,
Governor of Maryland.
PRESIDENT.

HON. HERMAN STUMP,
President of the Senate.

HON. HIRAM McCULLOUGH,
Speaker of the House of Delegates.

HON. CHAS. J. M. GWINN,
Attorney General.

HON. BARNES COMPTON,
Treasurer.

HON. THOS. J. KEATING,
Comptroller.

HON. GEO. B. LORING,
U. S. Commissioner of Agriculture.

Representing the Stockholders.

ALLEN DODGE, Esq.,
E. WHITMAN, Esq.,
HON. J. CARROLL WALSH,
HON. JOHN MERRYMAN,
F. CARROLL GOLDSBOROUGH.

FACULTY.

WILLIAM H. PARKER, PRESIDENT.
Professor of Engineering and Astronomy.

R. E. NELSON,
Professor of Physics and Applied Mathematics.

J. D. WARFIELD, A. M.,
Professor of English Literature, Mental Science and History.

F. VON BROCKDORFF, LL. D.
Professor of Ancient and Modern Languages.

PROF. A. GRABOWSKII, M. A. S., Ph. D.
(OF WIESBADEN ACADEMY OF AGRICULTURE)
Professor of Agriculture and Natural History.

WM. P. HEADDEN, Ph. D.
Professor of Chemistry.

LIEUT. C. DEEMS, U. S. A.
Instructor in Military Science, and Commandant of Cadets.

MILITARY ORGANIZATION.

LIEUT. CLARENCE DEEMS, 4th Artillery., U. S. A., COMMANDING.

The terms of the United States appropriation require military instruction. For the better instruction in Infantry Tactics and military practice and discipline, the cadets have been consolidated into one company, under the command of the Commandant of Cadets. The officers and non-commissioned officers are selected from those cadets who have been most active and soldier-like in the performance of their duties, and most exemplary in their general deportment. This department is in charge of an U. S. army officer.

CAPTAIN,

W. H. THOMAS,

LIEUTENANTS,

WM. R. PORTER, C. W. WOOD, R. S. MERCER.

1st SERGEANT,

J. J. KADY.

SERGEANTS,

R. L. PORTER, H. FREELAND, J. H. STONESTREET.

CORPORALS,

M. D. SANDERSON, C. A. SAUNDERS,
N. A. ACKER, C. K. LUZENBERG,
P. A. BOWEN.

CATALOGUE OF STUDENTS.

SENIOR CLASS.

Gale, H. E. ..... Baltimore, Md.
Mercer, R. S. ..... Anne Arundel Co,. Md.
Porter, W. R. ..... Baltimore, Md.
Thomas, Wm. H. ..... St. Mary's County, Md.
Wood, C. W. ..... Washington, D. C.

JUNIOR CLASS.

Bowen, P. A., Jr. ..... Prince George Co., Md.
Pascault, A. G. ..... Talbot Co., Md.
Porter, R. L. ..... Baltimore, Md.
Saunders, C. A. ..... Montgomery Co., Md.
Stonestreet, J. H. ..... Charles Co., Md.

SOPHOMORE CLASS.

Acker, N. A. ..... Washington, D. C.
Bowman, H. S. ..... Washington D. C.
Chew, R. B. B., Jr. ..... Prince George Co., Md.
Freeland, H. ..... Calvert Co., Md.
Kady, J. J. ..... Baltimore, Md.
Kady, M. ..... Baltimore, Md.
Kirby, Wm. A. ..... Talbot Co., Md.
Moss, R. M. ..... Anne Arundel Co., Md.
Rapley, E. E. ..... Montgomery Co., Md.
Ulman, J A. ..... Baltimore, Md.

FRESHMAN CLASS.

Bailey, H. O. ..... Washington, D. C
Beirne, G. O. ..... Greenbrier Co., W. Va.
Benson, J. J. ..... Anne Arundel Co., Md
Benson, S. P. H. ..... Anne Arundel Co., Md.
Butler, W. W. ..... Prince George Co., Md.
Camp, L. C. ..... Washington, D. C.
Cross, T. A. ..... Prince George Co. Md.
Grabowskii, C. E. ..... Prince George Co., Md.
Hammond, R. H. ..... Anne Arundel Co., Md.
Heiberger, A. E. ..... Washington, D. C.

HOBLITZELL, W. W.....Baltimore, Md.
HOLT, G. B.....Chittendon Co., Vermont.
INGATE, C. L. A.....Mobile, Ala.
INGATE, C. Y.....Mobile, Ala.
KEYWORTH, W. R.....Washington, D. C.
LAKIN, W. T.....Washington Co., Md.
LINTHICUM, S. Jr.....Anne Arundel Co., Md.
LUZENBERG, C. R.....New Orleans, La.
MARTIN, J. V.....San Francisco, Cal.
MILLS, S. D., Jr.....Baltimore, Md.
REDMOND, H. S.....New York, N. Y.
RICHARDSON, J. W.....Washington, D C.
ROBINSON, C. M.....Baltimore, Md.
SANDERSON, M. D.....Washington, D. C.
SCOTT, N. B.....Prince George Co., Md.
SMITH, WM.....Calvert Co., Md.
THORN, J.....Washington, D. C.
ULMAN, J. J.....Baltimore, Md.
WASHINGTON, W. d'H.....Hanover Co., Va.
WYETH, W. N. Jr.....Baltimore, Md.

PREPARATORY DEPARTMENT.

CARRINGTON, W.....Baltimore, Md.
CRICHTON, W.....Baltimore, Md.
GREENE, C. A.....New York, N. Y.
MAGRUDER, F. M.....Prince George Co., Md.
PARKS, V.....Norfolk, Va.

RECAPITULATION.

Maryland	35	Vermont	1
District of Columbia	10	Louisiana	1
Virginia	2	California	1
Alabama	2		
New York	2	Total	55
West Virginia	1		

BOARD OF VISITORS.

Anne Arundel	E. J. Henkle.
Garrett	John Daily.
Alleghany	Lloyd Lowndes.
Washington	G. W. Harris.
Frederick	E. H. Steiner.
Carroll	G. S. Haines.
Howard	H. O. Devries.
Baltimore	Edwin Scott.
Harford	
Montgomery	Arthur Stabler.
Prince George	D. G. Campbell.
St. Mary's	J. F. Dent.
Cecil	G. McGraw.
Kent	George Spencer.
Queen Anne	J. T. Earle.
Talbot	Edward Lloyd.
Dorchester	Dr. Phelps.
Somerset	George R. Dennis.
Wicomico	Lemuel Malone.
Charles	J. Matthews.
Caroline	Daniel Field.
Calvert	James A Bond.
Worcester	G. W. Covington.
Baltimore City	C. Morton Stewart.
Baltimore City	W. H. Welch.

Graduates of 1875.

JOHN B. GRAY, B. A.
CHARLES E. LERCH, B. S.
F. B. HYDE, B. A.
LORION MILLER, B. S.

Graduates of 1876.

W. J. BLAIR, B. S.
JNO. L. WORTHINGTON, B. S.
T. H. THOMAS, B. S.

Degrees Conferred in Course.

MR R. SAUNDERS HENRY, A. M.
REV. OLIVER C. MILLER, A. M.

Graduates of 1877.

GEORGE THOMAS, B. S.
SCOTT TRUXTUN, B. S.
E. G. EMACK, B. S.
R. R. BEALL.

Degrees Conferred.

F. C. NORWOOD, Frederick County, A, M.
L. A. GRIFFITH, Anne Arundel County, A M.
HORACE M. DAVIS, Montgomery County, A. M.
JNO. W. COFFREN, Prince George County, A. M.

1879. Degrees Conferred.

JOHN B. GRAY, of Calvert County, A. M.
W. J. BLAIR, Baltimore County, M. S.

Graduates of 1880.

THOS. T. HOUSTON, B. A.
R. R. RAPLEY.

1880 Degree Conferred.

GEORGE THOMAS, St. Mary's County, M. S.

Graduates of 1881.

WM. H. THOMAS, A. B.,
WM. R. PORTER, A. B.,
H. E. GALE, A. B.,
R. S. MERCER, A. B.,
C. W. WOOD.

THE

MARYLAND AGRICULTURAL COLLEGE.

The College is situated in Prince George County, in full view of College Station, Baltimore and Ohio Railroad, nine miles north of Washington and twenty-eight south of Baltimore. Fourteen trains, seven from Washington and seven from Baltimore, stop at College Station, daily.

The farm contains 286 acres.

The soil varies in quality and condition, thus affording good opportunity for experiments. There are meadows artificially drained, dry bottom-lands and rolling high-lands. The farm is traversed by the old road between Washington and Baltimore. Its proximity to Washington secures for it many advantages in the Agricultural Department and scientific institutions and libraries connected with the General Government.

The building is an imposing structure of brick, 120 feet long, 54 feet wide, 6 stories high, relieved by an east and south portico. The basement contains the Dining Room, Kitchen, Pantry, Wash Room and Bakery. On the first floor are the Laboratory, Museum, Chapel, Bath Room, Department of Languages and Preparatory Department. On the second floor, the Parlor, Visitors' Room, President's Room, Register's Office, Commandant's Office, Officer of the Day's Rooms, English, Agricultural and Mathematical Lecture Rooms, Society Hall and Library. The chambers are large, well ventilated, well heated and lighted throughout with gas.

COURSE OF INSTRUCTION.

The branches of study are grouped under the following departments:

1. Civil Engineering and Astronomy.
2. English Literature, Mental Science and History.
3. Pure Mathematics.
4. Physics and Applied Mathematics.
5. Agriculture, Architecture and Natural History.
6. Chemistry.
7. Ancient and Modern Languages.

The Course of Study embraces the following subjects:

Department of Civil Engineering and Astronomy.

ASTRONOMY.—Descriptive and Practical.

PHYSICAL GEOGRAPHY.—Maury and Guizot, with Maps.

CIVIL ENGINEERING.—Drawing, Materials, Bridges, Railroads, Tunnels, Canals, &c., &c., Running Lines and Curves for Common Roads and Railroads, Levelling, &c., &c. Explanation of Geodetical Surveys; Practical Work in Surveying and Plotting, &c.

LECTURES.

TEXT BOOKS.

Lockyer's Astronomy; Herschel's Outlines; Chauvenet's Practical Astronomy; Loomis' Surveying; Gillespie's Surveying; Mahan's Civil Engineering; Rankine's Civil Engineering.

Department of English Literature, Mental Science and History.

ENGLISH.—The History, Usage, and Grammatical Structure of the English Language; History of English Literature; Rhetoric; Composition; Elocution.

MENTAL SCIENCE.—Mental and Moral Science; Logic; History of Philosophy.

HISTORY.—History of Greece, Rome, England, United States; Outlines of History; History of European Civilization.

LAW.—Commentaries on Constitution of United States; Constitution of Maryland.

LECTURES.—

TEXT BOOKS.

ENGLISH.—English Lessons; Shaw's History of the English Language; Hart's Composition and Rhetoric; Marsh's Lectures upon the English Language.

MENTAL SCIENCE.—Upham's Mental Philosophy; Seeley's Schwegler's History of Philosophy; Schuyler's Logic; Hamilton's Lectures; Haven's Moral Philosophy; Butler's Analogy.

HISTORY.—Freeman's General Sketch; Hume's England; Smith's Greece; Liddell's Rome; Guizot's European Civilization; Quackenbos' History of the United States.

LAW.—Story on the Constitution; Constitution of Maryland; Political Economy.

Department of Mathematics.

ALGEBRA.—Reduction and Solution of Equations of the first and second degrees; Proportions and Progressions; nature and construction of Logarithms, and the theory of Equations.

GEOMETRY.—Plane and Solid.

TRIGONOMETRY.—Analytical investigation of Trigonometrical Formulas, and their application to the solution of all the cases of Plane and Spherical Trigonometry; the construction and use of Trigonometrical Tables.

APPLICATION OF ALGEBRA AND TRIGONOMETRY.—Mensuration of Planes and Solids.

DESCRIPTIVE GEOMETRY.—The graphic illustration and solution of problems in Solid Geometry; Projections of the Sphere.

ANALYTICAL GEOMETRY.—Equations of the Right Line, Plane and Conic Sections; Principal problems relating to the Cylinder, Cone, Sphere and Spheroids.

LECTURES on Shades, Shadows and Perspective.

BOOK-KEEPING.

TEXT BOOKS.

Loomis' Algebra; Ray's Higher Algebra; Todhunter's Algebra; Loomis' Geometry; Chauvenet's Geometry; Loomis' Trigonometry and Mensuration; Church's Descriptive Geometry; Howison's Analytical Geometry; Todhunter's Conic Sections.

BOOK-KEEPING.—Hanaford and Payson.

Department of Physics and Applied Mathematics.

THE DIFFERENTIAL AND INTEGRAL CALCULUS.—The principles of the Differential Calculus, including Taylor's Theorem, application to problems of Maxima and Minima, and the tracing of Curves; the methods of integration, and the application of the Integral Calculus to Areas, Surfaces and Volumes, and to the finding of Centres of Gravity and moments of Inertia, and to the simpler cases of Differential Equations.

MECHANICS.—Statics; Dynamics.

HYDROSTATICS.—Mechanical Properties of Fluids; Specific Gravity, &c., &c.

ACOUSTICS.—The production and propagation of Sound; Modes of Vibration, &c., &c.

OPTICS.—Lenses, Vision and Optical Instruments; Spectrum Analysis; Color, &c., &c.

ELECTRICITY AND MAGNETISM.—Magnetism; Voltaic Electricity, &c., &c.

HEAT.—Theories of Heat; Sources of Heat; Instruments used for the Measurement of Heat; Thermo-dynamics.

TEXT BOOKS.

Loomis' Differential and Integral Calculus; Courtenay's Calculus; Buckingham's Calculus; Wells' Natural Philosophy; Ganot's Natural Philosophy; Cambridge (England) Course of Elementary Natural Philosophy; Todhunter's Mechanics for Beginners; Rankine's Applied Mathematics; Bartlett's Acoustics and Optics; Peck's Mechanics; Tyndall's Lessons in Electricity; Deschanel's Natural Philosophy.

Department of Agriculture and Natural History.

The instruction in this Department embraces both theory and practice.

THE THEORY COMPRISES:

GENERAL AGRICULTURE.
GENERAL AND AGRICULTURAL BOTANY.
" " " ZOOLOGY.
" " " GEOLOGY AND MINERALOGY.
ANIMAL ANATOMY AND PHYSIOLOGY.
HORSE RAISING.—Shoeing of Horses; Science of Teeth.
CATTLE RAISING.—Guenon's System.
ANIMAL THERAPEUTICS.
DISEASES OF ANIMALS.
ANIMAL OBSTETRICS.
GENERAL AND SPECIAL PLANT CULTURE.
CLIMATOLOGY, AGRONOMY, MANURING.
RAISING OF SWINE.
" SHEEP.
" POULTRY.
" BEES.
HORTICULTURE.
VEGETABLE GARDENING.
MEADOW CULTURE AND DRAINAGE.
AGRICULTURAL IMPLEMENTS.
" TECHNOLOGY.
" ARCHITECTURE.
ARBORICULTURE AND LANDSCAPE GARDENING.

TEXT BOOKS.

"Allen's American Farm Book."
"Youatt on the Horse."
"Russell on Scientific Horseshoeing."
"Allen's American Cattle."
"Guenon on Milch Cows."
"Gangee's Vade Mecum."
"Laws' on Practice."
"Fleming on Obstetrics."
"Grasses and Forage Plants," E. L. Flint.
"Pendleton's Scientific Agriculture."
"Steele's Fourteen Weeks in Botany."
"Elements of Zoology," Wilson, Edinburgh.
"Elements of Geology," Dana.
"Comparative Anatomy of Domestic Animals," Chevaux.
"Jennings on Sheep, Swine and Poultry."
"Quimby's Bee-keeping."
"Bary's Fruit Garden."
"Gardening for Profit," P. Henderson.
"The principles and practice of Land Drainage," John H. Klippart.
"Allen's Rural Architecture.
"Smith's Landscape Gardening."

The Text-Book work is supplemented by lectures and the illustrations afforded by cabinets, skeletons, charts, &c.

THE PRACTICE COMPRISES.

Work on the farm and in the laboratories.

For the first, students are divided into a *garden*, *field*, *yard* and *grounds* detail, and, under competent supervision, are instructed in whatever work the season may offer in these divisions of a farm. At the commencement of each week the respective details rotate, thus changing the work to each class.

The special Agricultural Class is on practice detail daily, from 2 to 4 P. M. All Freshmen on Tuesdays and Thursdays from 2 to 4 P. M.

A suitable compensation is paid to students on Special Volunteer detail on Saturdays, during vacations and during the hours of 4 to 6 P. M.

THE LABORATORY work comprises work in the Chemical Laboratory (Agricultural Chemistry); work in the Microscopic Department of Botany and Zoology; work in the Geological, Mineralogical and Osteological Cabinets; work in the Veterinary Dissecting Rooms, &c. &c.

Department of Chemistry.

CHEMISTRY.—Organic and Inorganic Chemistry; Qualitative and Quantitative Analysis; Detection and separation of the Elements; Manufacture and Application of Chemicals; Organic, Volumetric and Spectoscopic Analysis; Agricultural Chemistry.

TEXT BOOKS.

CHEMISTRY.—Fowne's, Fresnius', Steele's.
AGRICULTURAL CHEMISTRY.—Johnson's.
MINERALOGY,—Dana's.
SPECTRUM ANALYSIS,—Roscoe's.
VOLUMETRIC ANALYSIS.—Sutton's.
BLOW PIPE ANALYSIS.—Elderhorst's.
TOXICOLOGY.—Taylor's.

Department of Ancient and Modern Languages.

LATIN.—Grammar, Reader, Cæsar, Ovid, Virgil, Cicero, Horace, Sallust.

FRENCH.—Grammar, Reader, Classics, Colloquial Exercises.

GERMAN.—Grammar, Reader, Classics, Colloquial Exercises.

TEXT BOOKS.

Fasquelle's Grammar—Sauveur Entretiens sur la Grammaire; Voltaire Histoire de Charles XII; Toepfer Nouvelles' Genevoises; Pleissner German Grammar; Sheldon German Grammar; Dr. Smith's Principia Latina; Arnold's Latin Prose Composition,

The Course of Instruction extends over four years, and the course for each year is as follows:

FRESHMAN CLASS.

School of English Literature, &c.—English Lessons; Composition; Rhethric; Outlines of History; Elocution; History of England.

School of Mathematics;—Algebra; Geometry; Plane Trigonometry; Mensuration; Book-Keeping.

School of Agriculture.—General Agriculture.

School of Languages.—Latin, (optional) French or German.

SOPHOMORE CLASS.

School of Astronomy, &c.—Field Surveying.

School of English, &c.—Rhetoric; Composition; Elocution; History of Greece; History of Rome.

School of Mathematics.—Spherical Trigonometry; Descriptive Geometry; Analytical Geometry.

SOPHOMORE YEAR.

School of Physics.—Elementary Natural Philosophy; Optics; Acoustics; Hydrostatics; Electricity and Magnetism.

School of Agriculture, &c.—Geology; Animal Anatomy and Physiology; Botany and Zoology.

School of Chemistry.—Second Term: Inorganic Chemistry; Steele's 14 Weeks.

School of Languages.—Latin, (optional) French or German.

JUNIOR CLASS.

Second Term:—Inorganic Chemistry—Thorpe—Metals, with illustrative lectures; Laboratory Practice, two afternoons, weekly; Qualitative Analysis, detection of acids, separation of Bases, examination of complex inorganic substances and fertilizers; Practice with the blow-pipe.

School of Astronomy, &c.—Descriptive and Practical Astronomy.

School of English Literature, &c.—Mental Philosophy; History of the English Language; History of English Literature; History of Civilization in Europe; Essays and Declamation.

School of Physics, &c.—Differential and Integral Calculus.

School of Agriculture, &c.—Horse and Cattle Raising, Animal Therapeutics; Climatology; Agronomy and Manuring; General and Special Plant Culture; Diseases of Animals; Animal Obstetrics.

School of Chemistry.—First Term: Inorganic Chemistry—Thorpe—Non-Metals, with illustrative lectures; Laboratory practice, two afternoons, weekly; Qualitative Analysis; Examination of Solutions for one base.

School of Languages.—Latin, (optional) French or German.

SENIOR CLASS.

Second Term:—Agricultural Chemistry; Laboratory Practice; Quantitative Analysis of Complex Substances; Elementary Analysis; Estimation of C. H. and N.; Analysis of Fertilizers.

School of Astronomy, &c.—Civil Engineering.

School of English Literature, &c.—History of Philosophy; Moral Philosophy; Mills' Political Economy; Constitution of the United States, Logic, Essays, Original Declamation.

School of Physics, &c.—General Physics—Theoretical and Experimental.

School of Agricultture, &c.—Raising of Swine, Sheep, Poultry and Bees; Horticulture, Vegetable Gardening; Agricultural Implements and Machines; Agricultural Technology and Architecture; Arboriculture and Landscape Gardening.

School of Chemistry.—First Term;—Organic Chemistry; Laboratory practice, two days, weekly; Manufacture of Chemicals; Sp. gr; Determination of Solids and Liquids; Quantitative Analysis; Estimation of Fe. Cu. Al. Ca. Mg. Co. Sio.

School of Languages.—Latin, (optional) French or German.

THE DEPARTMENT OF AGRICULTURE.

This is in charge of Prof. A. Grabowskii, M. A. S., Ph. D. of the Royal Prussian Institute of Agriculture, at Weisbaden.

The facilities for illustration, &c., in this department, consist of a Farm of 286 acres, with meadows artificially drained, dry bottom lands and rolling highlands. The farm is well stocked and has a number of herd-book animals. The vegetable garden occupies 10 acres, and there are extensive fruit and flower gardens. Cabinets of mineralogical, geological and botanical specimens are provided; skeletons, anatomical preparations and a therapeutical collection assist in the illustration of veterinary science. The School of Chemistry is provided with a well arranged Laboratory, offering ample facilities for chemical analysis, &c. The vicinity of Washington and Baltimore permits the department to avail itself of the superior advantages for investigation to be found in the Agricultural, Smithsonian and other Governmental departments at Washington, and in the fertilizer, machine and implement manufactories in Baltimore.

DISTINCTIONS, &c.—The President's prize of a gold medal will be presented for the best essay on agriculture. The Professor of Agriculture's Prize of a gold badge (scroll) to the best record and examination on General Agriculture of a student of the Freshman Class. A gold badge, (agricultural implement) to the student of the Freshman Class having the best record and examination in Farm work. A case of veterinary instruments for the student of the Junior Year, offering the best anatomical preparation.

THE DEGREE OF BACHELOR OF AGRICULTURAL SCIENCE, (B. A. S.) will be conferred on Students passing satisfactorily the Course in Agriculture.

THE LECTURES, &c., of the Collegiate Course of the College are open to the Students of the Agricultural Course. *Special Agricultural Students are admitted at any time during the session.*

DEGREES.

I. The Degree of Bachelor of Arts will be conferred upon those who graduate in all the Schools.

II. The Degree of Bachelor of Science will be conferred upon those who graduate in the Schools of Astronomy and Civil Engineering. English Literature, Mathematics, Physics, Chemistry and Languages,

III. Students who pass satisfactory examinations in the Schools of English, Mathematics, Agriculture and Chemistry will be declared graduates in Agriculture.

IV. Those who take the Degree of Bachelor of Arts or Bachelor of Science, and devote themselves to study for three years thereafter, will be entitled to the Degree of Master of Arts or Master of Science.

EXAMINATIONS.

A Semi-annual examination in the presence of the Faculty is held the last week of the first term.

Monthly examinations at the blackboards are required in all the departments.

The Annual Examination is held during the last week in June, and is open to the public.

Students who fail to pass satisfactory examinations at the end of each term are not allowed to continue with their classes.

MARKS.

The scale of marks for recitation and exercises ranges from 4 to 0. A mark of 4 indicates thoroughness ; 0, a total failure ; the intermediate numbers indicates absolute values.

A mark of 2.5 represents the minimum of proficiency. Students whose final average for the term or year, in any branch, falls below that number are liable to be turned back to the next class.

GOLD MEDAL.

The highest scholarship will next year be awarded by a gold medal.

A gold medal will also be presented by the President for the best essay on Agriculture.

MERIT-ROLLS.

At every annual examination, the Faculty forms a merit-roll of each class in the following manner.

The final average of each student in each branch for which a co-efficient is assigned in the table of coefficients, is multiplied by such coefficient, and the sum of the products, after making the deduction for conduct is the final multiple for the year.

The names of the students are arranged according to the final multiple, the highest multiple being placed first on the list, and the others in their order, but no class number is assigned to any found deficient.

Monthly reports, showing the progress and standing of students, are sent to parents.

Attention is respectfully called to these reports.

VACATION AND TERMS.

The scholastic year is divided into two terms, with but one regular vacation, beginning the last week of June, and closing about the middle of September; and a short intermission at Christmas and Easter.

No other furloughs will be granted, except in urgent cases.

The first term opens on the 20th of September, and closes with the month of January. The second term begins the 1st of February, and ends with the college year, the last of June.

EXPENSES.

PAYABLE IN ADVANCE.

For Students from the State of Maryland and District of Columbia.

First Session.—Board, Lights, Washing, Fuel and Room rent	$137 50
Matriculation Fee	5 00
Total	$142 50

Second Session.—Same as the first, less the Matriculation Fee.

For Non-Residents of the State of Maryland and the District of Columbia.

First Session.—Board, Tuition, &c	$137 50
Matriculation Fee	5 00
Total	$142 50

Second Session.—Same as the first, less the Matriculation Fee.

Day Scholars are charged three dollars a month, for tuition, use of rooms, fuel, &c.

Prepayment in every case is required, unless satisfactory arrangement be made with the President of the Faculty for settlement by note at short date.

No deduction will be made for absence, except in case of protracted illness; nor will money be refunded in case a student be withdrawn or dismissed during the term, unless at the discretion of the President.

Special damages are assessed on those who unnecesarily injure or destroy College property.

UNIFORM AND OTHER CLOTHING.

Arrangements are made with a competent tailor who supplies the uniforms. The cost, with cap, is from $21 to $22.50.

Students must bring a supply of towels, napkins, bed-linen, blankets and *white Berlin gloves;* all articles of clothing must be marked.

REQUISITES FOR ADMISSION.

Students will be received, examined, and assigned to their proper classes at any point in the College course; those who cannot pass good examinations in Reading, Writing, Arithmetic, Grammar, Geography, and History of the United States, will not be allowed to begin the course. All not so qualified will be entered in the Preparatory Department. A room having been fitted up for this purpose, special instruction will be given all those who wish to prepare for the Freshman Class.

Applications for admission, or for further information, should be addressed to the president of the Maryland Agricultural College.

N. B.—Students will not be received before the twentieth day of September.

FIRE BRIGADE.

The Fire Brigade includes in its organization every person connected with the College and Farm. Students, at the fire-alarm, proceed to such stations as are designated in the fire-bill. Exercises in fire-drill will take place at such time as the President may direct.

DISPENSARY.

The Professor in charge of the Dispensary will visit, report, and attend all cadets unfit for duty by sickness.

RELIGIOUS SERVICE.

Daily Morning Prayer and Divine Service, on Sunday, are regularly held in the chapel. Students are required to attend, unless a written request to the contrary be made. Students shall observe the Lord's day with decorum.

DISCIPLINE.

The following laws will be strictly enforced.

1. Students shall not go beyond the limits of the farm; use fire-arms; sit up after taps; use the south portico; hold any general meeting; visit the dining-room or kitchen, without permission from the President.

2. Profane language, card playing, gambling, intoxication, or any of their attendant vices, will not be tolerated by the Faculty. Any student known to indulge in habits injurious to the morals of the College, or calculated to destroy its established order, shall be immediately dismissed.

3. Destruction of property, disorderly conduct, in the halls, on the grounds, on furlough, or any other violation of the published orders of the President, or officer-in-charge, will be punished by tasks, demerits, guard duties, and such other punishments as the Faculty may decide.

4. Members of the Faculty and all officers-in-charge are required to report any violation of these regulations.

5. Upon matriculation, each student will be furnished with a copy of these and other regulations, and will be required to obey them.

CALENDAR 1881,—1882.

1881.

Friday, June 24th.—Contest for Declamation Medal.

Sunday, June 26.—Baccalaureate Sermon, Rev. John B. Williams.

Monday, June 27th.—Contest for Agricultural Medal. Exercises of the Mercer Literary Society.

Tuesday, June 28th. — COMMENCEMENT DAY. Conferring Degrees and presentation of Medals. Address to the students by Hon. Wm. T. Hamilton, Governor of Maryland.

Tuesday, September 20th.—Session commences.

Thursday, December 22nd.—Christmas Holidays, (13 days.)

1882.

January 31st.—Close of First Term.

February 1st.—Second Session Commences.

Sunday, June 25th.—Baccalaureate Sermon.

Tuesday, June 27th.—Commencement Day.