

The M. A. C. RECORD.

MICHIGAN STATE AGRICULTURAL COLLEGE.

Vol. 15.

LANSING, MICHIGAN, TUESDAY, APRIL 12, 1910.

No. 27.

THE CARNIVAL.

Fun and frolic from 1:30 to 10 tells the story in brief of the carnival and circus held under the auspices and for the benefit of the Athletic Association at the college on April 9. Plenty of preparation, good costumes, an abundance of room which the Agricultural Building afforded, and honest (?) advertising all had a part in making this the greatest show ever held on the campus. The parade formed soon after one o'clock in front of the Agricultural Building, and, leaving the campus at the north entrance, marched west along the main road, returning by the river drive. The chief of police was supplemented by a company of country constables which looked carefully to the welfare of the dignified manager, after which came the main band and colored minstrels. Then followed Uncle Josh and family, the mounted (?) horsemen, Wild Bill and a great variety of animals, caged and otherwise. A number of the clubs and societies were represented by decorated floats, the Independents presenting the Might-a-Been-Her. The foresters traveled in the usual covered wagon, with pack mules behind, and were bound for the great western country. The Hort. Club, with a spraying outfit mounted on trucks, kept the engine pounding during the entire parade and furnished the crowds with fruit "which had been treated." The clown band was in evidence and added much to the general merry-making. Haley's comet could be seen without a telescope on that day, and withal it was a parade which drew immense crowds to the scene of the great performance which followed.

Inside the show proper it would be impossible to say which particular performance received the greatest patronage. The Garten School, Might-a-Ben-Hur and the minstrels all drew good crowds and many attended both afternoon and evening performances.

The Cosmopolitan exhibit furnished an instructive as well as an interesting attraction. The various foreign trophies, sample copies of some ten or fifteen foreign newspapers, and passports from various countries, formed an exhibit which was certainly worth while.

The popularity of the lunch counters, candy stands, etc., can best be understood by noting that there was very little left for sale during the evening performance. It was thought that an abundant supply of good things to eat had been prepared but the stock was exhausted at a very early hour.

As to the number who witnessed this show, as indeed from all other standpoints, it was certainly the best ever. It is estimated that fully 2000 persons were present, among whom were more than 300 of our Lansing friends. The weather was perfect for the occasion, and everyone, "even the sub-faculty," enjoyed the afternoon.

The total receipts amounted to \$850. It cannot be definitely stated

just now what the expenses will be, but will probably be not far from \$250. In past years the expense has run from \$150 to \$200, but much more was spent on costumes, decorations, etc., than ever before. It rather looks as though the circus had come to stay.

ENGINEERING THESES SUBJECTS.

Design of Heating and Lighting System for the Remodelled Building of the U. L. S.—Babcock & Dougherty.

Design of Dam at Midlans, on Chippewa River.—Baldwin & Kurtz.

Study of Alignment and Grade of Pere Marquette R. R. from Grand Ledge to Williamston, with Suggestions for Improvement.—Barcroft & Taggett.

A History of the Land Surveys of Michigan.—Benedict.

Method of Testing High Speed Steels.—Bidwell & Tyler.

Investigation into the Possibilities of a New Dam on the Huron River at Milford, Mich., and the Design of Same.—Burkhart & Hopkins.

Commercial Efficiency Test of Kerr Turbine (Steam).—Cataline & May.

Efficiency Test of Transits.—Cavanagh & Thome.

Comparison Test on the Nordberg Corliss Engine.—Cleveland & Mills.

Survey of Ingham County, Mich.—Dail & Farmer.

Economy Test of Corliss Engine at High Pressure.—Edwards & Kolb.

Experimental Comparison of Leveling Instruments.—Egerton & Miller.

Heating and Ventilation of a Farm House.—Fraser.

Comparative Fuel Test upon Meitz & Weiss Oil Engine.—Hallock & Hodgman.

Electrical vs. Mechanical Power for a Manufacturing Plant.—Hobbs & J. L. Shaw.

Location, Survey, and Estimate of Costs of an Electric Railway Connecting Kalamazoo, Richland, Gull Lake, Milo, Prairieville, and Dalton.—Hoffman & Newell.

An Investigation of the Water Supply of East Lansing, Mich.—Knecht & McKenna.

Test of Paving Brick. (Qualitative Comparison of the Product from the Three States: Michigan, Ohio and Indiana.—MacLachlan & Snow.

Effect of Vacuum on Horse Power of Engine.—Meade & Moore.

Report on the Pavements of Lansing.—Perry & J. E. Shaw.

Permeability of Cement Treated with Water Proofing Compounds.—Piper & Jordan.

Test of 2200-Volt Alternator.—Pulling & Ponitz.

Prof. Shoemith was in Allegan, Saturday, where he gave a talk along agricultural lines before the Y. M. C. A. of Allegan county.

PRACTICAL FORESTRY WORK.

The Junior Foresters will take up practical work during the coming summer months as follows:

New Mexico.

Manzano, National Forest, Albuquerque.

1. Collingwood, G. H.

2. McKibben, C. W.

3. Wales, H. B.

Arkansas.

Ozark National Forest, Harrison.

1. Goodell, Z. C.

2. Kitchley, E. S.

Montana.

Missoula National Forest, Missoula.

1. Dimmick, G. L.

2. Van Horne, N.

Kootenai National Forest, Libbey.

1. Logan, James.

2. Queal, L. R.

3. Cortright, J. J.

4. Frutig, Albert.

5. Wood, D. D.

6. Dingler, F.

7. Baker, H. B.

8. Campbell, J. F.

9. Kedzie, M.

Colorado.

Pike National Forest, Denver.

1. McCutcheon, J. H.

2. Sloss, R. W.

3. Wilson, F. G.

4. Lynch, H. E.

5. Hilton, H. C.

6. Sproat, W. J.

The work will be rough mapping and timber estimating, fire patrol, trail construction and improvement work. On forests where grazing is a feature the men will be called on to help handle cattle and sheep.

Y. M. C. A.

Several members of the association with Secretary C. W. Hayes spent a part of vacation week at Martin, Allegan county, and aided County Secretary Angell in the meetings being carried on there. Sunday night proved the banner meeting as to number and interest. The boys report a splendid time, as everything possible was done by the Allegan association to make their visit an enjoyable one. Those accompanying Secretary Hayes were, A. L. Campbell, E. C. Lindeman, and Eli Rodegeb.

The annual report of the association shows that 200 different men were enrolled in Bible study classes this year, 150 of this number continuing two months or more. The courses offered were, Studies in the Life of Christ, Life of Paul, Teachings of the Earlier Prophets, Social Significance of the Teachings of Jesus, and Literature of the Bible. The latter course was prepared by E. C. Lindeman.

Beginning with this term a personal work committee and class is to be formed, which will meet Sunday mornings at 8:20. On next Sunday evening at the union meeting Prof. Myers will give a talk on the Uplift of China.

FOUND.—A fountain pen. Owner call an president's office and prove property.

ALUMNI

'93.

We are indebted to D. J. Crosby for the following notes:

I had a very pleasant trip recently to St. Paul, Madison, Urbana, and intervening points. At Madison I found G. C. Humphrey, '01, head of the department of animal husbandry who has gained an enviable reputation as an organizer of the animal husbandry interests of the State, and J. G. Moore, '03, assistant professor of horticulture, who stands an excellent chance of becoming permanent head of his department. At Urbana there was an interesting conference on the teaching of agriculture in the common schools of Illinois, and among the M. A. C. men on the campus at the time were Dean E. Davenport, of the class of '78; Prof. H. W. Mumford and Prof. G. A. Goodenough, of '91; D. J. Crosby, of '93; Dr. W. C. Bagley, of '95, and T. L. Hankinson, '98. Hankinson is professor of biology at the Illinois State Normal School at Charleston. Dr. Bagley is at the head of the department of education at the University of Illinois, and is doing excellent work there. Among other things, he is conducting some fundamental investigations to bring out the relations of elementary and secondary agriculture to pure science instruction in the public schools. His early training at M. A. C. is proving to be of immeasurable value to him in these investigations.

'02.

W. F. Uhl, who for a number of years was chief hydraulic engineer with Allis Chalmers Co., of Milwaukee, has joined Mr. Charles T. Main, consulting engineer of Boston. For the past six months Mr. Uhl has been in charge of hydroelectric construction in Montana. His address for some time will be Great Falls, Mont.

'03.

H. D. Severance, '03, who has been city engineer at Monterey, Cal., for several years, expects to take the degree of civil engineer at commencement in June, providing he can find time to complete a satisfactory thesis. One of the most serious jobs in connection with his work there has been the construction of a storm sewer system for the city.

'08.

H. M. Rouse, '08, civil, is with the California Development Co., whose headquarters are in Calexico. His present station is at Rositas Dam Camp. Mr. Rouse is in charge of a field party locating and constructing a dam in the Alamo River in order to make use of what is now waste water in the distribution works of the Valley Irrigation System. The dam will be built mainly of earth with a reinforced concrete spillway.

The M. A. C. RECORD

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B. A. FAUNCE, MANAGING EDITOR

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TUESDAY, APRIL 12, 1910.

SEVERAL items of interest, such as the report of certain literary parties, election of society officers, etc., were received this week, but the dates would not admit of publication in this issue. We shall take pleasure in publishing items of this nature in the RECORD from time to time, and trust that students may take an interest in furnishing such. If you will place the matter in one of the RECORD boxes before ten o'clock on Monday of each week, or earlier, if possible, it will receive notice in the RECORD the following day. Always sign your contributions. The name will not be published, unless you so request, but some one must be responsible for the report. One or two items received this week cannot be used on this account. Think the matter over and see if this is not fair, then send to the RECORD such news as will be of interest to its readers.

MORRILL CENTENARY.

BENEFACTOR OF EDUCATION.

On April 14, in all parts of the country, especially in the schools of agriculture and the mechanics arts, the centenary of the birth of Senator Justin Smith Morrill of Vermont, will be celebrated.

Senator Morrill was the author of the original land grant act of 1862 and of supplementary legislation through which appropriations are made by which at the present time no less than 67 educational institutions are assisted. During the last few months frequent mention has been made in the District of the Morrill land acts in connection with the campaign waged to procure an appropriation to be administered through George Washington University. Senator Morrill has a claim on the gratitude of all Washingtonians for his conspicuous services as chairman of the committee on public buildings, in which capacity he did a large work in beautifying the capital.

In addition to the above, Senator Morrill was a prime mover in the completion of the Washington monument, and is known as the Father of the Congressional Library, on account of his contribution in the erection of the great building for the Library of Congress.

Senator Morrill was born in Strafford, Vt., April 14, 1810. He received only meager advantages of education, and engaged in mercantile pursuits and in farming. Until he was 44 years old he had neither sought office nor held any public position other than justice of the peace in his home town, 8 miles from a railroad. Without sollicita-

tion on his part, he was nominated for the House of Representatives by the Second Vermont congressional district. He was elected and took his seat December 3, 1855, commencing the longest continuous service on record in the annals of Congress. Thereafter, for almost half a century, Vermont spoke through him in the national council. From the House he was transferred to the Senate in 1866 and took his seat with a national fame as a statesman.

His death occurred on Dec. 28, 1898.

ACADEMY OF SCIENCE.

At a meeting of the Academy of Science to be held at M. A. C., April 15, the following program is announced:

1. Plant Excretions.—Dr. J. B. Dandeno.
2. Studies in Soil Nitrogen.—C. S. Robinson.
3. Seeds New to Michigan Recently Received with Seeds of Clover and Grasses.—Dr. W. J. Beal.
4. Sterilizing Seeds.—Dr. Richard de Zeeuw.
5. Poultry Husbandry Experimentation.—H. L. Kempster.
6. Changes in Caseine in Storage Butter.—C. W. Brown.
7. The Production of Agglutinins for B. Cholerae suis in the Blood of Normal and Immune Pigs.—Dr. W. Giltner.

THE STUDY OF CORN

Is the title of a work by Prof. V. M. Shoesmith, Professor of Agronomy at M. A. C., recently received from the press.

The book is intended as a laboratory guide in corn judging for use in agricultural colleges, high schools and agricultural extension schools, and also a guide to the farmer in the study of corn.

About two dozen excellent illustrations are presented, showing to good advantage the difference in the various types, breeds, etc., together with full explanation of species and their adaptation to different sections of the country as well as to the various soils upon which they can be most successfully grown. Considerable attention is given to the methods of judging, testing, grading and planting, and altogether the work is such as to commend itself to those for whom it is intended.

CIVIL SERVICE EXAMINATIONS.

The following senior forestry students will take the United States civil service examination for forest assistant, at Detroit, on Wednesday and Thursday:

L. T. Burritt, E. P. Bushnell, J. C. DeCamp, I. Gilson, B. E. Hoffman, H. Olin, R. E. Thompson, C. S. Wagner, R. S. Wheeler and W. E. White.

W. C. Spratt will try the examination for scientific assistant, optional subject being farm management.

Old lady—"What is that odor?"
Farmer—"Fertilizer."
Old lady—"For the land's sake!"
Farmer—"Yes ma'am."

—Ex.

ATHLETICS

The cross country team did themselves proud at Holland, Saturday, winning first place with four other schools contesting. The trophy, a beautiful bronze shield, will be placed in the library. The trophy is given by the business men of Holland, and will be contested for again next spring by the various schools. In addition to the trophy, Tillotson, who won first in the race, was given a solid gold watch and each of the other members of the team received gold medals.

Five teams of six men each made the start. M. A. C. won first with 39 points; Olivet, second with 58; Grand Rapids Y. M. C. A., third, with 71; Hope College, fourth, with 80, and Muskegon high school, fifth, with 89. M. A. C.'s team finished as follows: Tillotson 1st, Perkins 4th, Warner 9th, Rosen 11th, Geib 14th.

BASE BALL.

The base ball schedule this year promises the most interesting ever offered at M. A. C. Of the state colleges to play are Olivet, Alma, Kalamazoo and Ypsilanti. Syracuse University, one of the strongest of the great eastern teams and Notre Dame an institution which always produces good base ball teams are also on the list. Two games with Wabash college will be played. Western Reserve University of Cleveland, and Ohio Wesleyan University, two strong Ohio Colleges come here for the first time, thus opening our relations with that state.

The new bleachers, just completed, will give splendid accommodations to those attending the games. Prospects are good for the strongest team ever produced and it is expected this will be a banner year. On account of the good financial condition of the association the season tickets have been placed at such a figure that the entire college community may be able to see every game. Admission to all the important games will be 75 cents, but to members of the Athletic Association a season ticket will be furnished for \$1.25. To those who are not members the price will be \$1.75 and to the ladies, \$1.00 will be charged.

SILVICULTURE.

A new plan of operation has been outlined for the junior forestry students at M. A. C. in their silvicultural course which is being given this term that will result in their securing some very practical knowledge and experience in silvicultural practices and principles. Each of the 24 junior foresters will be given a plot of ground, four by thirty feet in dimensions, situated in the forest nursery south of the Cedar river. These beds will be prepared entirely by the students, who will make thorough notes on their work from beginning to completion. Fourteen different species of conifers will be planted in these seed beds. The work as outlined consists of laying off the beds, estimating the number of seeds planted, a report of all conditions anent the planting, a complete count of the germinated seeds every two weeks, and exhaustive seedling study toward the end of the term. Con-

siderable time will also be devoted to silvicultural studies in the woods, in which assessments of forest soils will be made and a study of the natural silvicultural conditions as they exist there.

ALUMNI.

'03.

In a recent number of New England Homestead, Editor, G. C. Sevey has an interesting article on "The Greater New England Revival." Mr. Sevey urges bigger profits and better methods in farming with advanced land values, and states that with educational advantages and new schemes introduced this can be brought about. Speaking on the now interesting topic of co-operation he says:

"One of the new problems of the new agriculture is to shorten the distance between the producer and the consumer.

"Our system of doing business is the most extravagant of civilized nations. Middlemen drive over the same routes, delivering small orders of groceries or provisions to suit the whims of the consumer. Milkmen chase each other about our cities in endless procession.

"That is one reason why consumers pay 9 cents for milk which the producer sells for 4 cents; why meats sell for 15 to 40 cents, for which the farmer receives 4 to 10 cents; why eggs go into cold storage at 16 cents and go out at 40 cents.

"Associated effort and better organization, backed by sympathetic action on the part of consumers and producers, will help the situation materially. These are matters of a new agriculture and are of material significance to New England."

'07.

Daniel H. Ellis, '07, and Miss Ada C. Hoag were married March 28. At home after May 15, 216 Hoyt Ave., Saginaw, Mich. Mr. Ellis is Superintendent of Parks at Saginaw.

'07.

Mr. Chas. McNaughton, '07, of Middleville, and Miss Hazel Mitchell, of Nashville, were united in marriage Aug. 24, at Nashville, Mich.

'09.

Charles H. Edwards is among the number to send hearty congratulations to Dr. Beal. Mr. Edwards adds, "I hope to be able to visit old M. A. C. this fall, and see all my professor friends once more, for a few days at least. I am at present on the Deer Lodge National Forest, estimating the damage done the forest trees by the smelter fumes from Anaconda. There are ten of us—all technical men—and we sure do have good times, although we have plenty of hard climbing and estimating to do this time of year. I have received one or two letters from J. A. Mitchell, of California, since we left college last June, but haven't heard from many of the other foresters. I had a good summer with Tanner, McClurg and Bignell last year on the Kootenai Reserve, of which Dorr Skeels, '04, is supervisor. I receive the RECORD regularly and find great help in keeping track of the "college doings" through its columns.

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COLLEGE BUS HEADQUARTERS

ABOUT THE CAMPUS

On next Saturday at two o'clock will take place the annual cross-country run.

The brush covering on the arbor in the gardens has been taken away and rails are being used instead.

A. M. Lynn, who was obliged to drop out of college before holidays on account of sickness, is again in class.

Rev. Goldsmith, of the Peoples' Church, East Lansing, will have charge of the chapel service next Sunday morning.

M. F. Carlton, of St. Clair, and O. G. Anderson, of Shelby, have returned to pursue their studies during the spring term.

Dr. Shafer was in Muncie, Ind., a day or two the past week, where he attended the wedding of his brother, R. W. Shafer, sp. A.

Ben Ellis, a junior engineer, has returned to college for the spring term's work. Mr. Ellis has been engaged in railroad building in the Pan Handle, Texas, where he has acquired a healthy coat of tan. Seems good to see "Bennie" with those base ball togs on once more.

A Mr. Shepard, of Detroit, visited the College one day the past week. Mr. Shepard is soon to set an orchard of 50 acres of winter apples, and is endeavoring to acquaint himself with soil conditions, varieties of fruit adapted to his locality, and the various operations of pruning, spraying, etc.

Judging from the contributions received, quite an interest is being taken in the building of the new church at East Lansing by our alumni.

Club stewards for the spring term are as follows: Club A, H. S. Peterson; Club B, E. L. Jewell; Club D, H. E. Lynch; Club E, R. W. Sloss; Club G, L. G. Kurtz.

Eight men from the agricultural department were engaged in testing for advanced registry in different parts of the state the past week. The breeds of cattle tested were holsteins, guernseys and jerseys.

Talks on agricultural subjects before the Lansing Y. M. C. A. will be given as follows: April 15, Vegetable Gardening, Instructor Gregg; April 20, Landscape Gardening, Instructor Gregg; April 25, Floriculture, Instructor Gunson.

One of the books most frequently called for at the library is "A Certain Rich Man," by William Allen White. Through the courtesy of Mr. W. A. Tomlinson, who has recently presented a copy to us, we now have two copies of this book.

The mulch has nearly all been removed from the botanic gardens, and about fifty species of plants are already in blossom. The plants have wintered unusually well, on account of the light freezing and abundant covering of snow. Among these is forsythia, a Japanese early flowering shrub which thrives well in Washington, but winter kills very easily here.

Mr. Herman Cook has been employed for the season to work in the gardens. His labor will be supplemented as usual by student labor.

The employment bureau of the Y. M. C. A. found work for forty-two different men, the past year, whose net earnings was \$150.00.

Glen W. Ferris, of St. Louis, who left college at the close of the winter term, '09, has returned to continue his work. Mr. Ferris is a junior engineer.

"What will happen to the man who does not buy a Junior Annual" was shown to good advantage in the parade Saturday. Moral—Buy one and save your neck.

The second annual exhibit of Public School Work in Drawing will be held at the college May 12, 13 and 14. It is held upon the occasion of the Interscholastic Meet, which takes place May 14. Circulars of this exhibit were sent out before the holidays and it is hoped a goodly number of drawing teachers will be here to talk over the subject of drawing in the public schools.

B. F. Kindig, writing Dr. Beal, gives the following news item: "It has been with reluctance that I dropped out of college, and it is unnecessary to say I shall return as soon as possible. I am principal of the Waterford, Ind., High and Grammar School here, and am getting some valuable experience. When I return to M. A. C. I expect to take my major work in Prof. French's department."

LOST.—A bunch of keys. Please return to room 105, Engineering Building.

Vegetation is fully two weeks farther advanced at the college than at this time one year ago.

The summer school for the benefit of county normal teachers which has been given the past two years will not be offered in 1910.

It is believed that no serious damage has been done to the fruit at the college by the frosts of April 6 and 7. The blossoms were not opened enough to be injured to any extent.

WANTED—Students in the advertising field, to cover their home towns, home counties, or any unassigned territory during the summer vacation. From \$30 to \$50 weekly can be made. Address for particulars, H. A. HOPKINS, Secretary Michigan Press Association, Saint Clair, Michigan.

Special bulletin No. 51 is now ready for distribution. This bulletin, the work of Professors Eustace and Pettit, aims to give methods of control of the more common insects and diseases of our bush and tree fruits. The bulletin gives the time each spray should be applied, what to use and what for. In addition to this, a composition of the various sprays and washes is given. The outlines are so plain that certainly no mistake should be made by those who attempt to follow them. Spraying is no more an experiment, but a necessity if one aims to make the most of the orchard.

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down; the regular 15c Collars. Sale Price 5c each, or 50c per
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CAMPUS NEWS.

The spring term party of the Eclectic's Society will be given on the evening of Saturday, April 30.

Miss Ellen Crawford of Cedar Rapids, Iowa, visited Dean Gilchrist over Sunday. Miss Crawford is a senior at the University of Michigan.

Some damage has been done to the banks in the gardens by muskrats which wintered there. This is the first year they have remained in the gardens all winter.

Mr. F. B. Johnson, a student at the college in 1869-'70, will speak at the Hort. Club meeting Wednesday evening at 6:30, on "Citrus Fruit Growing in Florida."

The Weekly Star is the name of a flourishing paper in East Lansing, which is not only edited but printed as well by two of our wide-awake boys of eleven years of age. The originator, James Stannard Baker, is ably assisted by Master Donald Blaisdell in this new work, and under such efficient management the paper will surely be a winner.

About 200 students are taking practical garden work this spring. Each student, except the sub-freshmen, has a garden twelve by sixty-two feet in size. With a small division of sub-freshmen there is one garden to two students. All the different vegetables are started and the students have full charge of the work which gives them valuable practical experience.

Mr. W. C. Matthews, artist, has been sent here to draw certain valuable specimens of insects which we have in our collection for use by Dr. Barnes of Decatur, Ill. Dr. Barnes is a lepidopterist of high standing, and has the largest collection of lepidoptera in the world. Mr. Matthews is employed by the Universities of Illinois and Kentucky as artist for their entomological departments.

The following officers of the Y. M. C. A. were elected at the close of the winter term and begin their work this spring: E. C. Lindeman, president; W. H. Urquhart, vice president; T. J. Dean, secretary; W. R. Walker, treasurer; W. W. Pratchner, corresponding secretary. Committees: A. McVittie, membership; Ralph Powell, Bible Study; Alfred Iddler, devotional; Yochio Kanoda, missionary; A. Hendrickson, social; W. R. Walker, finance; I. Cortright, athletic; U. S. Crane, personal work.

MUSEUM GETS SPECIMENS FROM INTERIOR OF AFRICA.

The University of Michigan museum is the recipient of valuable specimens from an expedition now in the heart of Africa. The expedition is financed and under the general charge of Mr. W. D. Boyce, a wealthy Chicago publisher, and has for its object the securing of photographs and data for a book on the general conditions in the big game country of the dark continent. The historian of the expedition is Charles A. Hughes, an alumnus of the university.

Dr. Ruthven, curator of the museum, recently received a letter dated from Victoria Nyanza in which Mr. Hughes states that a part of the material has been sent out. It consists of an interesting assortment of aboriginal weapons, including some of those used by the Pigmies in the Congo forest, and of a considerable number of skulls and neck skins of the large antelopes, such as gnus, gazelles, elands and oryx.—*News Letter.*

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