

Princeton, and 'An Outline of Psychology,' by Prof. E. B. Titchener, of Cornell University.

DR. DONALDSON SMITH gave before the Royal Institution, London, on January 20th, an account of his expedition to Lake Rudolf, in northeastern Africa. It was found that the Nianann is the only river emptying into the lake, and that there is no river Bass, as supposed by Count Teleki. Seven hundred birds were collected, and of these 24 have been described by Dr. Bowdler Sharpe as being new to science. The different species of insects numbered 3,000, and besides these there were many plants, butterflies and mammals collected.

A HEARING was given on January 30th by the Commissioners of the District of Columbia upon a Senate bill which would prevent vivisection in the District. Dr. Busey and Surgeon General Sternberg spoke against the bill.

MEMBERS of the Gypsy Moth Commission of the Massachusetts State Board of Agriculture appeared before the Committee of Agriculture and argued in favor of the passage of an appropriation of \$200,000 for the work of exterminating the gypsy moth. It was stated by director E. H. Forbush that 425 men would be needed during the spring and summer; it is proposed to burn over infested waste lands which is done by means of a machine which throws out a spray of oil which burns so rapidly that the eggs and caterpillars are destroyed without injury to the trees, then the trees are burlapped and examined, and eggs laid during the season are so far as possible destroyed. Roads would be examined with special care to prevent caterpillars from dropping on passing teams and being thus carried to uninfested localities.

#### UNIVERSITY AND EDUCATIONAL NEWS.

AT a meeting of the convocation of the University of London on January 21st a resolution was passed, 460 votes being in its favor and 240 against it, favoring what is known as the Cowper Commission Scheme for the consolidation and reconstruction, of the examining and teaching institutions of London. It should be remembered that the University of London does not give instruction, but only grants degrees on examination, whereas there are also in

London two or more colleges which give instruction but do not grant degrees. It is universally admitted that some reform is needed, either that the teaching institutions should be consolidated and permitted to confer degrees on their students, while the University of London remains purely an examining body, or that all the institutions should be united. As appears from the above vote, the members of the convocation of the University of London attending the meeting favored the latter plan, but it is claimed that it would not have the approval of a majority of all the graduates.

A PUBLIC meeting has been held in Albany urging the removal of Union University from Schenectady to that city, and it is understood that the matter will be seriously considered by the trustees.

MR. JOSEPH BANNIGAN has given \$4,000 to the Catholic University of America, and has made known his intention to donate for twelve years \$4,000 a year for library purposes.

By the will of the late Mrs. Doyon, the University of Wisconsin has received \$5,000, the income of which is to be devoted to scholarships for young women.

Two scholarships of \$2,000 each have been presented to Tufts College, one by Mrs. A. B. Perkins and the other by J. S. and H. N. White.

DR. L. TRENCHARD MORE, of St. Louis, Mo., has become an assistant in physics at the Worcester Polytechnic Institute.

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#### DISCUSSION AND CORRESPONDENCE.

##### THE INVERTED IMAGE ON THE RETINA.

EDITOR OF SCIENCE: Prof. Brooks can hardly hope that there should be any consensus among scientific men in regard to the difficult question whether we know or do not know whether the lower animals have or have not consciousness, if there are still distinguished scientists who think that there is anything which needs explanation in the fact that the image on the retina is inverted, or that the question will continue to be a subject for discussion for centuries yet to come. As long as we do not *feel* that the image on the retina is inverted, as long as we are not aware in consciousness that