

8. We declare further that, granted equal character and efficiency, and equally successful experience, women are equally entitled with men to the honors and emoluments of the profession of teaching.

9. We advocate the enactment and rigid enforcement of appropriate laws relating to child labor, such as will protect the mental, moral and physical well-being of the child, and will be conducive to his educational development into American citizenship.

10. The responsibility for the success or failure of the schools rests wholly with the people and therefore the public schools should be kept as near to the people as practicable; to this end we endorse the principle of popular local self-government in all school matters.

11. Since education is a matter of the highest public concern, our public school system should be fully and adequately supported by taxation; and tax laws should be honestly and rigidly enforced both as to assessment and collection.

12. We congratulate and thank the management of the Louisiana Purchase Exposition for giving education first place in the scheme of classification, for the location and grandeur of its building, and for the extent and arrangement of the educational exhibits. Such recognition of education is in harmony with the genius of our democracy and will stimulate interest in popular education throughout the world.

APPEAL FOR COOPERATION IN MAGNETIC
AND ALLIED OBSERVATIONS DURING
THE TOTAL SOLAR ECLIPSE OF
AUGUST 29-30, 1905.

THOSE who are in position to take part in above cooperative work are earnestly requested to make the necessary preparations and to put themselves in communication with the undersigned.

As this will be the best opportunity for some time to come to further test and observe the magnetic and electric phenomena which have been found to occur in connection with total solar eclipses, and as these phenomena are destined to play an important rôle in the theory of the variations of the earth's magnetism and

electricity, ascribed to outside forces, it is very much hoped that all countries through which or near which the belt of totality passes will organize and send in the field observing parties.

Owing to the minuteness of the expected magnetic effect, the burden of proof as to its association with the eclipse will largely consist, as in the two previous eclipses, in the connection of the times of the magnetic effects with the times of passage of the shadow cone at the various stations. The observing parties, therefore, should be distributed at intervals along as much of the entire belt as possible.

The above is merely a preliminary notification of the work proposed. Fuller details and suggested directions to be followed will be given later.

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THE COTTON BOLL WEEVIL.

LAST year the chief of the Bureau of Plant Industry prepared, by direction of the secretary, a general plan of work to meet the damage caused by the Mexican cotton boll weevil. With this plan as a basis, the sum of \$250,000 was appropriated and became available early in February of this year. The work was divided in the department, part being assigned by the secretary to the Bureau of Plant Industry, and part to the Bureau of Entomology. During the summer the investigations have been pushed forward vigorously by both branches of the department. The department has cooperated with state authorities in locating and taking action upon sporadic outbreaks of the weevil. The farmers in the state of Texas have been thoroughly organized and more than 5,000 have grown cotton under the improved conditions recommended by the department. This work has been in charge of Dr. S. A. Knapp, of the Bureau of Plant Industry, with headquarters at Houston. Extensive work on the improvement of varieties has been inaugurated, the work being conducted by the Bureau of Plant Industry mainly at Terrell, Texas. In order to encour-

age the growing of other crops, diversification farms have been established. This work is being handled by the agrostologist of the department. The results of Mr. O. F. Cook's work in the discovery of the kelep ant have already been announced in these columns. The effects of the general propaganda work in Texas have been good, as many farmers have succeeded in growing good crops of cotton despite the presence of the weevil.

SCIENTIFIC NOTES AND NEWS.

THE registration at the International Congress of Arts and Science was as follows:

Foreign speakers	87
Officers and principal American speakers	306
Ten-minute speakers	138
General registration	1,851
Total	2,382

COLUMBIA UNIVERSITY has conferred the degree of D.Sc. on Sir William Ramsay, the retiring president, and on Mr. W. H. Nichols, the president-elect of the Society of Chemical Industry.

PROFESSOR HUGO DE VRIES, of the University of Amsterdam, gave an illustrated lecture on 'The Origin of Species, illustrated by the Evening Primrose,' at the New York Botanical Garden, on October 1. On October 3, he was given a farewell reception at the American Museum of Natural History.

At the opening exercises of the one hundred and fifty-first academic year of Columbia University on September 28, Professor Woodward gave the address, taking as his subject 'Academic Ideals.'

It is announced that the first series of the Hertzstein lectures at the University of California will be delivered in October, by Dr. A. E. Taylor, professor of pathology. The lectures have been made possible through the generosity of Dr. M. Hertzstein, of San Francisco, who fully equipped the physiological laboratory and endowed the lectureship for the discussion of special problems in scientific medicine. Professor Taylor's subject will be 'Ferments and Fermentations.'

MAJOR B. F. S. BADEN-POWELL arrived at New York on the *Campania*, on October 1.

He has brought with him kites that he will exhibit at the St. Louis Exposition.

MR. THOMAS H. KEARNEY, of the Bureau of Plant Industry, U. S. Department of Agriculture, has been authorized to proceed to North Africa and other Mediterranean coast regions for the purpose of securing new seeds and plants adapted to the southwest. A special study will be made of the date and new introductions of this fruit will be undertaken. Alkali-resistant forage crops will also be studied and the introduction of seeds of new and promising kinds will be made. Mr. Kearney will remain abroad until next spring.

THE Military-Medical Academy at St. Petersburg has recently installed a portrait of its honorary member, General Kuropatkin, in the main hall as a token of gratitude for his gifts. The academy owes to him the remodeling and enlargement of several of its scientific departments.

THE relief expedition, under Mr. W. S. Champ, which has undertaken for the second time to reach the *America*, after going as far as 79° north was driven back by the ice. The *America*, under the command of Mr. Anthony Fiala, has not been heard from for a year, but there is said to be no anxiety concerning it.

PROFESSOR ROBERT KOCH has been presented with a portrait bust and a Festschrift on the occasion of his sixtieth birthday.

THE funeral of Professor Niels Finsen, the discoverer of the light cure for lupus, took place on September 27. The Kings of Denmark and Greece were present, and there were special representatives from Emperor William, King Edward and other rulers.

MR. ARTHUR D. WYMAN, assistant in chemistry at Harvard University, was killed by an automobile on September 28.

MR. B. M. EVERHART, the botanist, died at West Chester, Pa., on September 22, at the age of eighty-seven years.

THOSE having reprints of the late Dr. Greeley's paper on 'The effect of variations in the temperature upon the process of artificial parthenogenesis' (published in the *Biological*