

THE BATTALION

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NOTICE
 All manuscript intended for The Battalion must bear the signature of the writer—no non de plume will be accepted. While the same will not be published, no notice will be taken of pieces if they are not signed.

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PRICE PER ANNUM..... \$.

WEDNESDAY, FEBRUARY 20.

Last week the Freshman Class edited The Battalion, and they got out a paper which was a credit to the editors and to the class. This issue is the Sophomore number and we editors have concluded that preparing the reading material for a paper is not very easy work. Next week the Juniors take charge of The Battalion with their editorial staff, as follows: E. D. Casey, editor-in-chief; J. Dale, associate editor-in-chief; R. W. Faust, local editor; S. L. Cornell, athletic editor; C. M. Evans, exchange editor; and T. J. Beesley, Y. M. C. A. editor.

ADAM'S FUND.

Vice Director J. W. Carson of the Texas experiment station has received reports from the several heads of departments outlining the contemplated investigations made possible by the Adams fund, aggregating \$7000, for the year 1906-07. This amount is distributed as follows:

Chemical section, under Dr. G. S. Fraps, \$1500.
 Veterinary section, under Dr. Mark Francis, \$750.
 Entomological section, under Prof. A. F. Conradi, \$775.
 Agricultural section, under Prof. R. L. Bennett, \$500.
 Mycological section, under Dr. O. M. Ball, \$1000.
 Horticultural section, under Prof. E. J. Kyle, \$600.
 Animal husbandry section, under Prof. F. R. Marshall, \$1250.
 Contingent, \$625.

The scope of investigation in these several sections will be as wide and thorough as the fund permits.

Prof. Kyle reports that he will devote the entire appropriation to his section in his investigation of the dew-berry and blackberry of the State, with special endeavor to bring three results: Reduce the number of thorns, increase the size of the fruit and improve the wild varieties.

Dr. Francis will expend the fund allowed the veterinary section in trying to find some practical remedy for the stomach and bowel worms, giving rise to a chronic gastro-enteritis now prevailing in the coast country cattle section. This has caused in many sections almost complete failure to make the cattle business profitable, and the lack of a remedy is causing alarm.

SOILS AND FEED STUFFS.

Dr. Fraps will investigate, under this Adams fund, digestibility of some Texas feeding stuffs; fundamental properties of soils, particularly in regard to the condition and properties of the phosphoric acid, potash and humus of the soil and the nitrifying

and other biological properties; and the composition of feeding stuffs. The work as outlined will probably take several years.

Prof. Marshall proposes to determine the digestibility and nutritive value of the carbohydrates and fat in Kaffir corn, milo maize and molasses, including a comparison of the fattening values of the feed stuffs mentioned with Indian corn. To corroborate and test the value of the findings of this experiment twenty fully grown 4-year-old steers have been purchased at a cost of \$900, to be fed in four lots, as follows:

1. Indian corn, sorghum hay and a small allowance of cotton seed meal.
2. Kaffir corn, sorghum hay and a small allowance of cotton seed meal.
3. Milo maize, sorghum hay and cotton seed meal.
4. Molasses, sorghum hay and cotton seed meal.

Prof. Bennett reports his investigations to be along two lines: First, to increase the yield of corn by close planting, or more plants per acre of small habit, so escaping storms and drouths, and second, the investigation of damage done and remedy for winter killing and rust of oats. He hopes to determine the best variety to be used and a source of selection of individuals for studying the characters and features of oat plants which show the greatest resistance to rust and cold; early maturity and productiveness.

The department of entomology, under the direction of Prof. Conradi, will make a careful investigation of the plum curculio on the peach in Texas, which has never yet been done on account of lack of funds. This department will also devote much time to the investigation of the Southern grain louse.

Space forbids a more detailed description of the methods and plans of these different specialists as given in their reports and recommendations. The above, however, gives an idea of what an inestimable value this Adams fund will be to farmers, truckers, orchardists and stockmen of the State. Full and complete accounts of these experiments will be made in bulletin form in due time.

THE CO-OPERATIVE DAIRY FARM.

Mr. B. H. Rawles of the dairy division of the department of agriculture of Washington, D. C., has been on the campus in conference with Prof. J. W. Carson, vice director of the Texas experiment station, concerning the co-operative dairy farm that is being established near Denison, Texas.

Mr. Rawles submitted plans for the proposed building, etc., which were entirely satisfactory to the college authorities. There will be a dwelling for the active manager and one for a tenant, a dairy barn, a horse barn, a silo of 125 tons capacity, hog sheds, chicken yards, etc. It was decided to include the production of alfalfa, peanuts, sorghums, corn and other feeding and forage crops, as well as raise hogs, poultry and produce, milk, butter and cheese.

This experiment farm is established as a co-operative enterprise by the Denison board of trade, the United States department of agriculture and the Agricultural and Mechanical college of Texas. A farm has been purchased and plowing is now being done for spring planting. The chief purpose is to determine whether or not the dairy business can be carried on in Texas as a paying investment as well as to determine the best methods, best feed stuffs and the best form to market dairy products.

CIVIL ENGINEERING EXPERIMENTS.

Prof. J. C. Nagle of the depart-

ment of civil engineering of college has advices from Mr. M. O. Geyleton of the United States geological survey and Mr. Edward Mead of the United States department of agriculture concerning examinations in March for the civil service, which are of special interest to all young engineers.

Mr. Geyleton says: "Men will be employed for subordinate positions in the reclamation service and the water resources branch of the geological survey at salaries of \$900 per annum and upward. In the part practically every man certified by the civil service commission as eligible for appointment has been offered employment, and there is every reason to believe that the same condition will exist in regard to the next list of eligibles."

Mr. Mead announces that five vacancies are to be filled in positions of irrigation managers at salaries of \$1800 to \$2500 per annum and remarks: "The chief works of these men will be in giving practical advice and direction to beginners in irrigation projects as to how to prepare land, apply water and how to measure and distribute it."

The above only goes to show the demand for trained men and how essential an engineering education is to the ambitious boys of our State.—Houston Post.

THE FORT WORTH FESTIVAL.

The Glee Club to Have an Exceptional Treat on Their Trip.

The Glee Club is a member of the Texas Federation of English Singing Societies which meets every two years—this year at Fort Worth in May. The following clipping from the Ft. Worth Telegram will give some idea of the treat in store for the boys this year. They are now at work on the mass choruses to be sung by 600 voices. The Director hopes to get the Glee Club in shape to give their annual concert here by Easter. Arrangements for a trip, other than to Ft. Worth have not been made as yet.

The arrangements being made for the festival of the Texas Federation of English singing societies are assuming such proportions as to surprise those who have not kept in touch with this evolution of the musical activities of the state. The correspondence with the clubs out of Fort Worth indicates that there will be more than twenty clubs represented at the festival for the big mixed chorus. There will be heard for the first time in Texas trained voices of musicians to the number of six hundred, joining in rendering such numbers as the well known march from "Tannhauser."

With these voices there will be an orchestra of seventy-five instruments.

H. A. Judd, president of the federation, was authorized by the executive board to close contracts with Schumann-Heink and Nordica. While definite word has not yet been received as to the result of these negotiations that such artists are contemplated and will be secured, gives some idea of the musical standards of the federation authorities. Should these two artists not be available efforts will be made to secure either Mme. Emma Eames or Caruso. Mme. Melba will not be available, as she leaves as soon as her engagement with the Manhattan Opera Company is over for London for a season with Covent Garden.

While these great artists will be secured, the Chicago symphony orchestra has already been engaged. Von Feilitz, the new conductor of this organization, comes to this country with the prestige of having directed the most famous orchestras

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