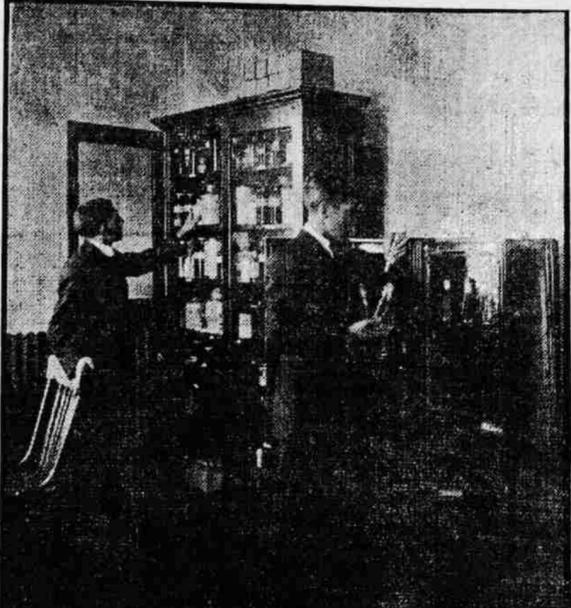


Mysteries of the Soil Revealed at Logan

Student Examining Cultures of Soil Bacteria. The Bacteria Are Growing in the Test Tubes and Flasks. There Are From Three Million to Four Billion Bacteria in Each Tube. Many of Them Cause Remarkable Soil Enrichment.



The Utah Agricultural College a Leader in Educational Reforms.

By E. G. Peterson.

DEMOCRACY in education is an established fact. The Utah Agricultural college is proof. The cry from eastern universities and colleges that the undergraduates become incipient, that the ravages of alcohol and sloth are practically inevitable, that the people's best interests might be served by burning down our institutions of so-called higher learning. His was the cry of the hard-fisted, iron-fisted materialist whose eyes gleam wildly at the mere suggestion of economic waste, forgetful that what may seem waste today may tomorrow be profit.

Waste Sometimes Pays.

The history of our fundamental researches proves this. Without the decades of tireless energy expended in German laboratories, much of the knowledge which is the present-day application of chemistry to industry and the twentieth century movement called synthetic medicine, would be regarded as a thing of the past.

But, outside of this great service which universities and colleges have rendered to the world, the college course has deservedly fallen into disrepute. Twenty years ago, and to an alarming extent today, it was and is wasteful. Knowledge came to look upon the day's work as in a sense useless, so they formed into exclusive clubs and fraternities, problems of life were left to their own solution. Thus the greatest result of the college course was the result of the social structure which was built, shunned the breath of experience and sympathy of the members of the university club, but otherwise citizens of doubtful value.

Mysteries in the Soil.

The evolution, which approaches a revolution in the velocity of its progress, in the college course has gained such head that it may now be thought of as established. With the reorganization of the course of study has come a change in the college spirit. When the study of wheat, of soil, of water and of farm animals succeeded the study of classics, the higher mathematics and the mysteries of the sky, the student became violently aware of the fact that in the water which feeds his crops, in the soil upon which he walks, in the animals which furnish him food and drink, and in the plants which make for his happiness was the greatest educational opportunity that the world had ever known.

CONSOLIDATION OF BIG DENVER BANKS

DENVER, March 30.—The directors of the First National bank of Denver and the Capital National bank of Denver will announce tomorrow morning the consolidation of the latter with the First National which has increased its capital stock to \$1,250,000 and its surplus to the same amount, which will make it one of the largest banking institutions in the west. The combined resources will total \$25,000,000.

TAFT AND ROOSEVELT DELIVER SPEECHES

President Is Entertained by Philadelphians While Colonel Is at Detroit.

EXECUTIVE HAS FAITH

Believes the Country Is on the Eve of Better Times; T. R. Talks Politics.

PHILADELPHIA, March 30.—President Taft was in an optimistic frame of mind tonight when he faced several hundred members of the Philadelphia chamber of commerce in the Bourse here. He told them he believed the people were on the eve of better times, that things were growing better and that he believed there would be no general coal strike. He said he had no jurisdiction in settling strikes, and that he knew enough to wait to see if you were welcome rather than to go "butting in" to a matter between parties who know their rights.



Determining the Moisture in Utah Soils. Years of Patient Study of Such Problems Made Possible the Great Business of Dry Farming.

SUGAR TRUST JURY UNABLE TO AGREE

(Continued From Page One.)

dered the refinery closed and kept it closed. The defendants originally named were: Washington B. Thomas, then president of the American Sugar Refining company, now chairman of the board; John E. Parsons, 52 years, old former counsel; Arthur Donner, treasurer; George Fraser, a director; John Mayer, a former director; Thomas B. Hartree, a Philadelphia lawyer; Gustave E. Kissel; Charles Senft, an official of the American company. Messrs. Kissel and Senft have died since the indictments were read into the evidence. Thomas B. Hartree underwent a transition from defendant to witness in his case. The maximum penalty for the crime charged is \$5000 fine and a year's imprisonment.

YOUNG WOMAN LAWYER WILL DEFEND NEGRO

NEW YORK, March 30.—Judge Swann today assigned as counsel to Leroy Poindecker, a negro charged with murder in the first degree, Miss Lucille Pugh, a young white woman lawyer. Miss Pugh says she was willing to waive the state fee of \$500, told the court that Poindecker comes from the same part of North Carolina that she does, and that he appealed to her for aid. Poindecker is under indictment for shooting Thomas Brown, a white man, during a fight.

Trendall Outpoints Kelly.

By International News Service. ST. LOUIS, March 30.—Experience and ring generalship allowed Harry Trendall to outpoint Leo Kelly by a good margin in their eight-round scrap at the Irish-American Athletic club tonight.

Tribune Want Ads. Bell Wasatch 5200. Independent 360.

THE CAR YOUR WIFE WANTS

The motor car is an index of the owner's thought and taste as well as the manufacturer's ability to produce a superior vehicle.

The Packard has elegance without ostentation, distinction without extremes and advanced style that rises above freaks and fads.

In a wide range of body styles there are types adapted to every purpose for which a motor car can be used.

The Packard provides comfort in upholstery, luxurious appointments, correct design and the highest standard of efficiency that it is possible to obtain.

Enclosed bodies are interchangeable with open bodies as the demands of the season may warrant.

Packard Limousines, Coupes, and Broughams are upholstered in special imported exclusive materials.

A RIDE IN THE PACKARD "SIX" WILL DEMONSTRATE ITS PRE-EMINENCE

Utah Motor Car Co.

L. J. GILMER, Manager

125-127 State Street

JEALOUS GEORGIAN MAKES FATAL ERROR

Kills Man Embracing Sweetheart, Thinking Wife Was Being Caressed.

By International News Service. MACON, Ga., March 30.—Thinking it was his wife that was being embraced and kissed, Franklin Tindall, a well-known Macon man, late last night shot and killed Charles H. Taylor, a son of Macon's wealthiest family, while he was saying good night to Miss Mary Lulu Carter, whom he was to have married next Monday. Tindall, on entering his yard last night, noticed the pair on the front porch. He had frequently warned Taylor to keep away from his home and jumping to the conclusion that he had violated his word and was embracing Mrs. Tindall, he fired, Taylor dying in his sweetheart's arms.

The story came out at the coroner's inquest tonight when the girl sobbingly told her story. "I hope it won't hurt my brother-in-law," she said, "but Charlie was the only man I ever loved. We were to have been married Monday. The license was in his pocket last night. He and I were on the porch and he was embracing and kissing me when my brother-in-law came here and shot and killed Charlie. It breaks my heart to know that he should have been killed in my arms."

reactionaries who supported the administration," retaining as the one essential feature of the original bill the provision for a commerce court. This court, he said, has worked badly.

Lorimer Case.

Passing to the Lorimer case Colonel Roosevelt declared the vote of the senate committee this week, recommending that the Illinois senator be allowed to retain his seat, illustrated the working "in actual practice of the president's theory of government of the people by what he calls 'a representative part of the people.'" Roosevelt meeting here tonight was held the light guard armory, which was crowded. On the trip from Chicago this afternoon the colonel made a number of speeches from the train. The crowds at the railroad stations as he passed through Michigan were the largest that have assembled to hear the colonel's two-minute talks from the rear platform during his present trip. In these speeches he discussed the presidential primary and praised Governor Osborn for his work for such a measure.

"The governor has represented the people," he said, "while those who have stood against the direct presidential primary have misrepresented them."

At Ann Arbor the students at the University of Michigan were on hand and gave the colonel an uproarious greeting. Colonel Roosevelt went from the mass meeting to the train for the trip to New York. He expects to reach home tomorrow for a short rest before starting on his southern tour next week.

MADERO IS GIVEN HIS FINAL CHANCE

(Continued From Page One.)

and Jimenez, where the rebels were said to have been victorious—the government forces were found in a more advanced position than before the battle.

FEDERAL DEFEAT DUE TO TREACHERY

EL PASO, Tex., March 30.—The recent defeat of the federal force by rebels at Corralitos and the chain of reverses which followed were due, it is said, to treachery of the President's own army. This battle was for the most part composed of men who fought under General Navarro, leader of the forces of President Diaz a year ago, when Francisco I. Madero was leaving his way to an official residence in the capital of the republic. The mutiny occurred at the beginning of the battle, it is declared, the men protesting against the lack of food, the hard marches, and because of other grievances. The remainder of the command of General Salas was compelled to fight the Mexican comrades while a remnant of the force only was available for the attack on the rebel positions.

Senator La Follette will come to California probably immediately following the situation in the senate. He will speak in Nebraska this week and from there he goes to Oregon. The situation in Nebraska is as hopeful as it was in North Dakota, with conditions in better shape than they were in North Dakota when he began our aggressive campaign here.

Used Borah's Name.

BOISE, Ida., March 30.—The Republican county convention, composed of 313 Taft and 60 Roosevelt delegates today elected 31 delegates to the state convention and instructed them for Roosevelt. An effort to substitute Senator Borah for Roosevelt in the nomination in view of the use of the senator's name as a candidate for president to carry the county against Taft, was voted down. The convention was characterized by intense bitterness, the Taft men protesting against what they charged as a gag rule and the steam roller. Even hints of a bolt and suggestions of party injury in November failed to budger Roosevelt in the instrument.

Wall Paper Sale.

During conference week 25 per cent off on all framed pictures; 10 per cent off on all grades of wall paper. GEO. W. EBERT & CO., 41 Main.

TAFT FAVORITE IN THE BUCKEYE STATE

(Continued From Page One.)

held today when a net result of \$1 for Taft and \$8 for Cummins resulted. This swells Taft's total state delegates to 649, Cummins 414, Roosevelt 28, and 280 delegates are yet to be selected. Of the tolls yet to be named, Taft leaders claim they will surely get 127, which will swell the president's vote to 774, whereas the convention can be controlled by 741 votes. As it stands today Taft has 42 per cent of the entire vote of the convention. Scott county today broke the backbone of the progressive strength. It has for years been one of the progressive counties and its right instructions today, coupled with the absolute failure to break up Taft sentiment at Cedar Rapids with a Roosevelt speech, which was a frost, virtually settled the fight.

Texas Democrats.

DALLAS, Tex., March 30.—The Texas state Democratic executive committee, by a vote of 27 to 4, today decided on the convention method of selecting delegates to the Baltimore convention instead of the presidential primary plan, and selected Houston as the place for holding the state convention May 28. Precinct conventions will take place May 4 and county conventions May 17.

Houser in California.

SAN FRANCISCO, March 30.—W. L. Houser, campaign manager for Senator La Follette, arrived here today from Los Angeles and went into a lengthy conference with Rudolph Sprengle regarding the California situation. He gave out a statement tonight, which said: "We propose to conduct a most vigorous campaign in this state for the election of the progressive Republicans and support Senator La Follette for the presidential nomination and who have no second choice."

Boise Borah's Name.

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Build Up The System... HOSLETTER'S STOMACH BITTERS... TRY THE BITTERS... STRENGTHEN AND PURGATE THE ENTIRE SYSTEM AND MAKE YOU WELL