GEOLOGICAL SURVEY TO - ROVING AGRICULTURIST

State Board Has More Than a Thousand Samples From Deep Wells

TALLAHASSEE, July 22.—(Special.)—
The Florida State Geological Survey has added very much in recent years to the knowledge of what lies beneath the earth's surface in Florida. Especially are the minerals of the earth sought for, and Dr. E. I. Salvada state exclusive seconds. the inhibities of the earth sought for, and Dr. R. H. Sallards, state geologist, says that approximately one hundred thousand dollars are being used annually by citizens and communities in Florida, in drilling wells. The greater part of this drilling is for water, although some of the walls are test wells for oil and gas, or for minerals. or for minerals.

the wells are test wells for oil and gas, or for minerals.

From the well drilled in recent years there has been secured by the State Geological Survey a number of exceptionally good sets of samples of drillings. Some of these wells, recently drilled, have gone deeper into the earth than any wells, previously drilled in this state. The state survey collection now includes more than a thousand samples of drillings from deep wells. One well, of which the survey has a full set of drillings, reached the depth of three thousand feet, more than a half mile. This is the greatest depth reached by any well in the state. Another well, of which samples have been preserved, is over twenty-one hundred feet deep. Several wells, in different parts of the state exceed one thousand feet in depth. The State Geologist says that he expects the records from these samples to furnish some very important new information in regard to the structure of the formations lying beneath the surface in Florida. For the study of these samples, the survey has secured the services of Dr. J. A. Cushman, a specialist in this line of work. The fossile, which samples, the survey has secured the services of Dr. J. A. Cushman, a specialist in this line of work. The fossils, which are contained in the samples are mostly small shells of the class known as forn-minifera or formas. They are very characteristic little fossils and by examining them closely and determining just what species are present, it is possible for the geologist to tell what formations the drill has passed through, or is passing through.

The results of this stundy, Dr. Sellards The results of this stundy, Dr. Soliards says, will form part of a report on the geology of Florida that is to be issued when the data can be brought together. To describe and map the formations that make up the surface of the earth is not a simple matter, and, in addition to the well samples, data is gathered for this purpose from many other sources. In the expect would have required an of

Joyful Sound

The Wonderful Music that Bursts Forth When the Stork Arrives.)



Who can forget that little brassy cry that echoes the arrival of the new baby?
Before baby comes the mother should get in condition to meet the crisis.
Thousands of women have used the safe and reliable application, Mother's Rriend, during the waiting months, and they relate how they entirely escaped makes, nervousness, bearing down and stretching pulse and many other debilitating and disheartening, experiences which so illy fit the mother for the greatest time in a woman's life.

Melher's Friend is a wonderful help to nature in relieving strain and distress brought about by expanding muscles. The nerves, too, will be calm, making the period one of cheerful days and restrul nights. The breasts are kent in good condition and the abdominal muscles relax with case when hand is some the strain makes.

The breasts are kert in good condition and the abdominal muscles relax with ease when baty is born.

Mother's Friend makes it possible for the expectant mother herself to actually aid nature in the glorious work to be performed, and no woman should neglect or full to five nature a helping hand. It will mean infinitely less pain at the crists.

Mother's Friend is for external urso only, is absolutely safe and wonderfully effective. It is prepared by the Bradfield Regulator Co.

Lamar Bidg., Atlanta, Ga. Writs them for their "Motherhood Book," so vulnable to expectant mothers.

Procure a bottle of this famous femed, which has been used by women with the greatest success for over helf a century, from the druggist toddy, and thus fortify rourself against pain and discomfort.

ISSUE REPORT ON STATE | SHOWING A NEW FLOWER

DRIVEN WELLS FURNISH ROLLO, AT DELAND NOW, CONSIDERABLE DATA TO EXHIBIT AT FAIR

DE LAND, July 22.—(Special.)-A. S. Rollo, world traveler and agricultural prize winner, is now making some experiments on Dr. Love's farm four miles west of DeLand, He has experimented in all parts of America, Canada and Mexico and recently at the request of the DeLand Commercial Club came to DeLand for some Florida agricultural

oxperiments.

Mr. Rollo has exhibited in the past five years at Salt Lake City twice, Oklahome state fair, Denver, Col., El Paso world's exposition; Peoria, Ill., and Dal-

world's exposition; Peoria, i.e.,
At these fairs alone this agricultural wizard won over 100 premiums. The local exhibit shows numerous handcome cups, diplomas, awards, ribbons and sweepstakes.

Mr. Rollo will exhibit at the Florida State Fair and Pan-American Exposition at Jacksonville in November and December, and it is hoped arrangements can be made to have him handle the Volusia county exhibit.

ber and it is hoped arrangements can be made to have him handle the Volusla county exhibit.

The local exhibit contains samples of crops Mr. Rollo is now growing on Dr. Love's farm, as well as seeds and grains which have taken premiums. Another feature of the exhibit is a soil tester which any farmer can learn to use in fifteen minutes, and ascertain the quality and qualifications of his land.

Comes From England.

Mr. Rollo came from England, and is a graduate of Oxford, of the great English agricultural school of Frodsham, of the University of Edinburgh, Scotland, and of the University of Notro Dame, at South Bend, Ind. For some years he has been experimenting in the developing of new plants by hybridizing older and more or less familiar varieties of plant growth. His first great success in that line resulted in the development of a new tuber from the crossing of the Jerusalem artichoke with the common or garden variety of sunflower. The new tuber or "root" will yield from four to six hundred bushels per core. choke with the common or garden variety of sunflower. The new tuber or "root" will yield from four to six hundred bushels per acre. The edible root has a flavor suggestive of both asparagus and mushrooms, and has an advantage over the common Irish potato, in that no known insect life has any effect upon it. The roots have the approximate size and shape of the finest Colorado potatoes.

To describe and map the formations that make up the surface of the carth is not a simple matter, and, in addition to the well samples, data is gathered for this purpose from many other sources. In the report new being prepared an effort is being made to bring together all available data in regard to the structure of the underlying formations. This information is necessary in order to answer the question whether or not we have any areas that are promising as leations for test wells in the search for petroleum deposits. The well records are important, also in connection with all questions relating to the goology of the state. The well samples, on which the state collection.

WEAVER TO HEAD MERCER

MACON, Ca., July 22.—Dr. R. W. Weaver, of Nashville, Tenn., tonight announced that he would accept the pressidency of Mercer University, the offer having been tendered him today by a special committee. His formal election will take place tomorrow at a meeting of the board of trustees, the committee announced tonight.

INPUT SOUND

In the report now being prepared an effort is being and any bridge day by a latest success, which is the crossing of broom corn, ribon cane and Johnson grass. From this he has produced a hybrid which combines the crossing of broom corn, ribon cane and Johnson grass. From this he has produced a hybrid which combines the cornsing of broom corn, ribone cane and Johnson grass. From this he has produced a hybrid which combines the constitute of the traveled a hybrid which combines the constitute of the same time grows of rank that, with ordinary care, will yield from two to three parent plants and at the same time grows of a personal history that the same time grows of the three parent plants and at the same time grows of the three parent plants and at the same time grows of the consing of the observed with an attachment of the firs

REPRESENTATIVE DRANE IS A GRANDFATHER NOW

LAKELAND, July 22.—(Special.)—Congressman H. J. Drane has become a grandfather by the arrival of a son in the home of Mr. and Mrs. William Stephon Moore. The baby comes into the world well-equipped with distinguished ancestors, and is the great-grandson of Capt Anthony Drang a noted military. Capt. Anthony Drand, a noted military inan of the Indian war times. He has a great-grandmother living, Mrs. Francos Boswell of this city, mother of Mrs. Drane. The father is the proprietor of Moore's Little Style Shop, and is president of the Lakeland Chamber of Comperce and a prominent member of other civic and fraterial organizations. Mrs. Microre was Miss Mabel Adrianne Drane. The baby will be christened Stephen Anthony.

thony.

Lieut. Ossian W. Drane, son of Conpressman Drane, has been spending a
short furlough at home. He is with Co.
D. One Hundred and Twenty-fourth U.
S. infantry, and will return to Camp
Wheeler Sunday.

TUTEWILER RESIGNS AS FOOD ADMINISTRATOR

JACKSONVILLE, July 23.—(Special)—Charles A. Cutewiier, the well-known state merchants' representative for Florida, who has been representing the United States food administration in this district, tendered his resignation this morning to Braxton Beacham, state food administrator, at Orlando. administrator, at Orlando.

In resigning Mr. Tutowiler stated that his time in the future would be entirely taken up with the duties required of him by the state council of defense, to which he has recently been appointed.

LYENW

Service product for Service product for a most for a mo

Barre Brake

OFFERS FULL COURSES IN THE FOUR DEPARTMENTS OF

Liberal Arts, Theology, Law and Medicine, leading to the degrees of A. B., Ph. B., B. S., A. M., M. S., B. D., LL B. and M. D. For bulletins giving full information, write to

WALKER WHITE, Sec. and Treas., ATLANTA,

A SYSTEM CLEANER WITH NO EQUAL

Your system, like everything else, needs occasional cleansing. Food waste accumulates, and unless properly eliminated, toxic poisoning and uric

acid set in. For stimulating a sluggish liver and cleansing the digestive organs, there is nothing like

Jacobs' Liver Salt

Two teapoonfuls in a glass of hot water before breakfast (sipped slowly for best results) will keep your system clean and insure good health. Atyour druggist's. Generous packages, 35c and 75c—or sent postpaid upon receipt of price.

JACOBS' PHARMACY CO.

ATLANTA, GA.

ST. PETE FOOD DEALERS TAX COMMISSION WOULD PROHIBITION DRIVE IS

Growing a New Hybrid Which
He Plans to Send to Jacksonville Exposition

Plan to Pass Benefits of Policy
On to Consumer—War Savings Rally Planned

ST. PETERSBURG, July 22.—(Special.)
—Retail dealers in food products in St. Petersburg have formed an organization which has for its object reduction in the coat of doing business, by cutting down deliveries and generally reducing operating expenses and it is the sense of the association that the customers are to get the benefits that follow the changes. The association here is a strong one, containing practically every store in St. Petersburg which handles food products. E. E. Weaver, a well known local greeer, was elected president and the organization is prepared fully to co-operate with Arthur Norwood, Pinellas county food administrator, in his efforts to help both the dealer and the consumer. Mr. Norwood will now be able to deal with the association in stead of with the individual merchants in issuing his orders regarding the regulation of prices and the enforcement of the food regulations.

the food regulations.

Commissioners of St. Petersburg, determined not to raise the city tax rate commissioners of St. receising, determined not to raise the city tax rate,
are petting ready to consider the budget to
for the coming year and have every inention of cutting down on each dapartment to the absolute limit. The commissioners find that it is not going to
be easy to hold the tax rate down to its
present low mark. Policemen and fremen in this city have asked an increase
in pay and it probably will be allowed
and in other department employes are
urging that they must have more money
to meet the high cost of living. Extensilve repairs that are necessary on the
Recreation pier also will add considerably to the budget. Every department
of the city is asking for money money

sive repairs that are necessary on the Recreation pier also will add considerably to the budget. Every department of the city is asking for money money but the commissioners plan to use their paring knives effectively.

An exciting chase after two automobile thieves occurred on Central avenue last night. Two boys stole the car of Verne Goodwin and started west on Central avenue. Mr. Goodwin saw them start, jumped into the car of James Purvis and ran down the boys at Ninth street, where the young thieves abandoned the car and got away. The police think they know the culprits who are only about fourteen years old, and they will be sent to the juvenile court at Clearwater with the recommendation that they be sent to the reform school as incorrigible. Both boys have police records and have been in trouble many times. They recently ran away to Tampa and spont the night.

War Savings Rally

Arrangements have been made to have a big rally for negroes in the interest of the campaign for war savings stamps in Williams park Monday night when George H. Mays, jr., of Ocala, will be the speaker. The plan is to reserve one-half the seats for white persons. Mays is one of the leading negroes in the state and is at the head of the cotton mill in Ocala which is owned and operated by negroes and which has been a success. A quartette of negroes will sing patriotic songs.

The Rev. Homer L. Cooke, formerly a well known local minister, is expected to arrive here tomorrow or Monday to spend several days with his family who have been here for a year or more. Mr. Cooke was pastor of the Christian church here for a year or more. Mr. Cooke was pastor of the Christian church here for a year or more. Mr. Cooke was pastor of the Christian church here for a year or more. Mr. Cooke was pastor of the Christian church here for a year or more. Mr. Cooke was pastor of the Christian church here for a year or more. Mr. Cooke as pastor of the Christian church here for a year or more, Mr. Cooke was pastor of the Christian church here for a year or m

maker. The increase is effective as of July 1.

St. Petersburg officials rather welcome the order for lightless nights as it will cut the city's lighting bills considerably to have the White Way dark two nights each week. The white way and other lights chassed as unnecessary will burn next week, but after that will be out each Monday and Tuesday night.

WAUCHULA LANDS CO. AGRICULTURAL SCHOOL: RAINEY DONATES LAND

WAUCHULA, July 22. — (Special.)—
Wauchula is to have a county agricultural school. This cheerful news was received today when County Superintendent P. G. Shaver received a telegram from Scholton Phillips, state inspector of rural schools, stating that Wauchula had landed this plum. The last legislature authorized the establishing of two such schools in the state this year, and these schools are to be aided by the federal government.

schools are to be aided by the federal government.

As the Wauchula section is not only one of the leading fruit and vegetable growing sections in the state, but more attention is being given to general farming every year, the people were very anxious to secure this school. A mass, meeting was held last Saturday to consider the means of securing this school, and the leading citizens pledged themserves to do all possible not only to secure the school, but make it a success if secured. secured.

If secured.

Homa B. Rainey has generously offered to give ten acres of good land for the school and there is no question but Wauchula will more than comply with the necessary requirements of keeping the school and will endeavor to build it up to a real agricultural college, for this is an agricultural center and the citizens realize that scientific farming will be more and more important every year.

REJECTS SIX-CENT FARE
BIRMINGHAM, Ala., July 22.—Birmingham today rejected the referendum
proposal to permit the increase of street
car fares from five to six cents. The vote
was more than six to one against the
proposal. REJECTS SIX CENT FARE



that eczema!

Pack up some Resinol Ointment in his "old kit bag." Nothing is too good for him, and he will need it "over there" where exposure, vermin, contagions, and the exigencies of a soldier's life cause all sorts of skin irritation, itching, sore feet and suffering. Resinol Ointment stops itching almost instantly, It heals little sores before they can become big ones, It assures skin comfort.

For sale by all dealers.

ORGANIZE TO CONSERVE CUT TAX TO 71-2 MILLS NOW ON AT OKEECHOBEE

WILL CUT DELIVERIES TO MAKES SUGGESTION TO BIG OPEN AIR MEETING AT

Assessment Total Will Run More Committees Appointed and Dis-Than \$35,000,000 Above The trict Meetings Held—Governor Earlier Estimates

GOVERNOR CATTS

Than \$35,000,000 Above The Earlier Estimates

The Earlier Estimates

Tall AASSEE, July 22,—(Special.)—
In the following communication, addressed to Governor, Silney J. Catts, from the tax commission, it is pointed out, and the state taxes for 1918, pravious in that the state taxes for 1918, pravious it is that the state taxes for 1918, pravious it is provided to the state of about a hundred and put into effect, there will be a saving to the pears of the state of about a hundred and seventy-five thousing diollars. We note that you have face the state of the state of about a hundred and seventy-five thousing diollars. We note that you have face the state of the state of about a hundred and seventy-five thousing diollars. We note that you have face the state of the state of about a hundred and seventy-five thousing diollars. We note that you have face the state of th

ngo.

"We feel that conditions amply warrant a further reduction of one-half mill, and trust that in your wisdom and your undoubted desire to serve the public, you will make order immediately reducing further the levy for 1913, to seven and one-half mills.

"Respectfully submitted,
"THE TAX COMMISSION,"
"John Nesl, Chairman; J. V. Burke, R. J. Paterson."

FRENCH PHOSPHATE MAN IN CITY YESTERDAY; HAS is JUST COME FROM PARIS

Alfred Herbest, a large phosphate dealer of Paris, France, was a prominent visitor in Tampa yesterday, stopping over on route to various points in the state in the interests of the phosphate industry. Mr. Herbert stated that business conditions were greatly demoralized in France by the war, and that phosphate was one of the most needed products that France had depended on this country to supply her, but the shipping conditions at prosent have prevented the products being shipped in any quantity to European countries. He also stated that another of the reasons why the business has been closed during the period of the war was that the majority of the manufacturing chemists had either been sent to the front or been called into government service.

Mr. Herbert arrived in New York about ten days ago, and proceeded directly to Florida, where he has been during the past week looking over the possibilities that may be developed for that industry in this state.

While in the city Mr. Herbert was a guest of the Hillsboro, and mentioned Frank Hunter as being the only Tampa boy he had seen in France. He gave some of the most encouraging reports of the manner in which the American boys have been received in France. After a tetning to some business matters here yesterday, Mr. Herbert left last night for various points in the state.

WESTERN UNION BOYS

ON SYMPATHY STRIKE AND POLICE CALLED IN

The messenger boys of the Western Union Telegraph Company aorganized a strike yesterday morning, and later in the dny pixteen of them were rounded up and taken to police headquarters, charged with interfering with the boys who were hired to fill their places. According to information given by the police, the cause of the strike was the discipant of the continuous of the boys the others who were interestable one. The boys were lined up at the police got and the police got and the police got and the police got and the were lined up at the police got and the were lined up at the police got and the were lined up at the police got and given a lecture on the error or their ways, after which they were taken back to the Western Union offices where they turned in their caps and hadges and went home.

Manager M. G. Emple, when interviewed had the stripping of the control of

CRANE CASE IS UNDER ADVISEMENT BEFORE THE SUPREME COURT

Attorneys and others interested in the case of James E. Crano, former trustee for the Hillsborough county hard rock road fund who was confleted on a charge of embezzlement and sentenced to five years' imprisonment several months ago, but who is still at liberty under the company of the property of the period of the property of the period of the company of the period of the peri bond, are momentarily exparing to hear what disposition will be made of the ease by the supreme court, to which an appeal was taken soon after the conviction

tion.

The latest advices from Tallahasses state that the Crane case is under advisement before the supreme court, and so it is expected that in very short or, der a decision will be announced as to whether a new trial will be granted or whether Crane will begin serving his sentonce,

ROLL OF THE DEAD

HOUSE—Mrs. Sallie House, sixty-nine years of age, prominent for many years in Plant City, died Sunday morning at her home there, according to information reaching Tampa. Mrs. House was the mother of Mrs. J. E. Knight, wife of Prof. J. E. Knight, superintendent of schools for Hillsborough county. She was born in Alabama and spent her girhood there, but came to Florida about thirty years ago. Bosides a husband she leaves three daughters and two gons, all of Plant City, which are the following: Mrs. J. E. Knight, Mrs. M. S. Farmer and Miss Frances House, and W. A. and E. L. Rouse. Funoral services were held yesterday morning at the Baptist church in Plant City and weree onducted by Rev. William McDonald. Interment was held in Oaklawn cemetery in Plant City.

FLAGLER PARK

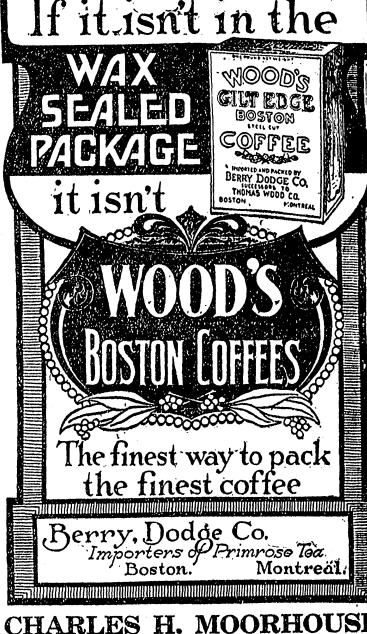
Catts to Speak

Herbert Pord, with the University of Florida ambulance saction, unit number 35, has been commissioner a first lieutenaut in the ambulance corps, according to word received here yesterday by his foster mother. Mrs. G. S. Petty. Lloutenant Ford enlisted with other 'Gatora when the unit was organized nearly two years ago and wont with it as first sergenii when it went across in January. He is a graduate of Hillsborough with the class of 1915, of which class he was president, and was a student at the university when he enlisted. He isn't twenty-one yet. He was recommended for a course in the officers' training canthabout three months ago and passed through the course with an excellent second, coming out with a first lieutenant's commission.

BIZE AND PENDLETON ARE GIVEN "ACE" MEDALS

John Bize and Cassil Pendleton, John 1312e and Chasil Pendicton, two well known boys who have been notably active in boy scout work here in the past, have recently received their "ace" medals, which have been awarded by the government to all scouts who have averaged as much as \$250 on as few astwenty-five different sales of thrift stamps.

the work here, and he stated by Post-master Lambright who is in charge of the work here, and he stated that there are amout ten other boys having like records for sales made in Tampa who are due similar medals, and to whom they will be given as soon as they can be secured.



CHARLES H. MOORHOUSE

FOR TIMBER CUTTING

The voluntary period for enlistment in the government spruce timber service closes with today's enlistments. The men so enlisted will be sent to Vancou-

TAMPA FOR

I TAMPA FOR

ON A LARGE LOT

The Landeck Lumber Company has recently sent out letters to several persons stating that it is in receipt of inquiries from the war department for 1,960 tables. Prices are to he made f. o. b. cars, Tampa.

The board of trade suggests that this may be of interest to local wood working firms, who might work up a government trade with this order as a starter. Anyone interested can obtain further inpany.

NO MORE VOLUNTEEP*

RECEIVED AFTF*

FOR TY**

EXTRA AIR TRIP
CHATHAM, Mass., July 22—A dirighted halloon which has been missing from the naval aviation that station here since friday landed at Summerside, N. S., according to word received here tonight its three occupants are reported safe.

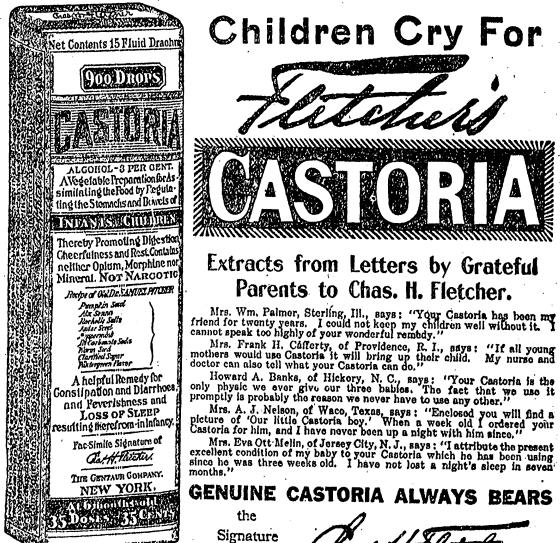
The Danger of Imitations.

AN OHIO druggist writes to "The Practical Druggist," a prominent New York.

Drug Journal, as follows: "Please furnish formula for Castoria. All the formulas I have worked with are either ineffective or disagreeable to administer."

To this "The Practical Druggist" replies: "We do not supply formulas for proprietary articles. We couldn't if we wanted to. Your experience with imitative formulas is not surprising, but just what is to be expected. When Castoria is wanted, why not supply the genuine. If you make a substitute, it is not fair or right to label it Castoria. We can give you all sorts of laxative preparations for children, but not Castoria, and we think a mother who asks for Castoria would not feel kindly toward you if you gave her your own product under such a name."

No mother with a spark of affection for her child will overlook the signature of Chas. H. Fletcher when buying Castoria.



THE GENTAUR COMPANY, NEW YORK CITY

Exact Copy of Wrapper.

continued to hear in the continued of the angles and