

MORE OIL DEEPER IN EARTH, REPORT

NEED IMPROVED METHODS

Report to Petroleum Institute Indicates That Untapped Resources Available In Ground

Improved methods of deep drilling below productive oil sands will disclose in many cases, deposits of oil which will be tantamount to the discovery of new fields, the Marland committee on conservation, appointed by the American Petroleum Institute, declared in its report made at the institute's convention in Chicago, according to the Christian Science Monitor.

Improved methods of producing have been perfected, it added, which will make possible recovery of oil from these lower sands; the limit of deep drilling had not been reached.

"Automotive experts state that the mileage of the motor car per gallon of gasoline may be double through mechanical changes when prices justify such changes," continued the report, which was considered the most important feature of this year's meeting. "Improved mechanics will also result in smaller consumption of lubricants."

"Gas" from Oil Possible

Through improved methods, principally the process known as 'cracking,' the refining branch of the industry has already increased the yield of gasoline, now the major product of petroleum. Through further improvements and extensions the supply of gasoline will be augmented still further by the 'cracking' of fuel oil. In consequence, the supply of fuel oil will be correspondingly diminished, thus eventually removing fuel oil from competition with coal.

"It is estimated that after pumping and flowing there will remain in the area now producing and proved 26,000,000 barrels of crude oil, a considerable portion of which can be recovered by improved and known processes, such as flooding with water, the introduction of oil and gas pressure and mining, when price justifies."

"The major oil reserves of the United States lie in some 1,100,000,000 of lands underlain by sedimentary rocks, and not fully explored, in which geology indicates oil is possible. With extended search, new supplies will be found therein."

"The nation has an additional reserve in the vast deposits of oil shale, coal and lignites from all of which liquid fuel and lubricants may be extracted if, and when, the cost of recovery is justified by the price of these products. These deposits are so huge that they promise, under conservative estimates, an almost unlimited supply."

"The importance of imports cannot be ignored. Countries to the south are known to have large petroleum resources for the output of which the United States is a natural market and the supply therefrom must inevitably have its influence on the consumption of American reserves."

The conclusion of the committee was that, "There is no imminent danger of the exhaustion of the petroleum reserves of the United States," and that "it is reasonable to assume that sufficient supply of oil will be available for national defense and for essential uses in the United States beyond the time when (natural) science will limit the demand by developing more efficient use of, or substitutes for, oil, or will displace its use as a source of power by harnessing natural energy."

RECLAIM SWAMP LAND BY CO-OPERATIVE PLAN

New York Farmers Combine to Drain Marsh and Straighten Creek Channel

Humanity could scarcely survive modern life without the co-operative spirit. There are co-operative apartments in cities, co-operative farming in the country, co-operative marketing, co-operative swimming pools, co-operative owners of Fords and motorcycles, and even of neckties and lip-sticks.

So why not ditch the farms by the co-operative methods? That's exactly what was done by a group of farmers in New York state. Here is the story:

Forty-two farmers in Gouverneur, in St. Lawrence county, N. Y., combined for the purpose of widening and deepening Birch creek and by their efforts they reclaimed the marsh land or "flats" along eight miles of the stream. By this method they reclaimed 1400 acres of land to agricultural purposes. These farmers perfected their co-operative enterprise with the help and advice of the director of the St. Lawrence County Farm Bureau and an explosive expert, and a plan was worked out to make Birch creek run through a regular channel, which was made with dynamite. It costs them \$5 an acre to complete the undertaking. This

method is productive same land compared with land values in New York state where acres are priced by hundreds of dollars furnishes the answer to the question as to whether co-operative ditching is a success.

Although the operations referred to in the above story concern a relatively small area, it is nevertheless apparent that the modern American farmer, wherever he may be located, may well afford to realize that each idle acre on his property reduces his potential income each year by exactly the amount of his crop value if cultivated. Reclaiming these "lost acres" is a simple problem in scientific ditching made possible by the use of dynamite.

HIGHER TAXES ON INDUSTRY, PROSPECT

ACCORDING TO PROFESSOR

Yale Expert Says Indications Are Still and Local Levies Will Continue to Increase

American industry must look forward to heavier and not lighter taxes according to Dr. Thomas S. Adams, professor of political economy at Yale university and president of the American Economic association, who gave the Henry Robinson Towne lecture before the convention of the American Society of Mechanical Engineers, in New York recently. He referred to extravagant political tax cuts as based entirely upon a desire to win votes and praise the attitude of President Coolidge in preserving a conservative policy towards tax reduction.

On the large surpluses, which have been piling up in the United States treasury, Dr. Adams asserted, there are four forces at work—the spender, the taxpayer, the politician and the saver, the latter represented by President Coolidge. Andrew W. Mellon, secretary of the treasury; Gen. Herbert M. Lord, director of the bureau of the budget, and Representative Martin B. Madden (R) of Illinois in the background.

Predicts Saver Will Lose

"During the last eight years," Dr. Adams said, "the saver has waged a magnificent battle, and if it were certain that he could continue to win, I should add my counsel to those who are waging the taxpayer to abate the vigor of his fight, but, in my deliberate opinion, the spender and the politician, will, in the next ten or

fifteen years, win victories over the saver."

"I make no pretense of knowing on abstract or scientific grounds where in their field lies the path of wisdom, but I know that it is not primarily a fight between the taxpayer and the saver. The taxpayer's real antagonists are the politician and the spender. The taxpayer cannot afford to lay down his arms in the belief that what he doesn't get the saver will. The industrial taxpayer must press his claim and abide by the result."

Referring to taxes on corporations Dr. Adams said that in the last five or six years the corporation of the country, through their comparative inactivity, have failed to obtain reductions which were fiscally possible and which would have benefited not only themselves but the country as a whole.

Increase in Future
Dr. Adams warned the public to cherish no illusions about "further reduction of taxation expenditures," adding, investigation has shown that since 1921 state and local taxes have increased more rapidly than federal taxes have declined and it is probable a greater increase will mark the future.

TAFT PRESENTS FINE GROUP OF STATUARY

To Children's Museum at Art Institute, Chicago; What Is Represented

Mr. Lorado Taft has presented to the Children's Museum of the Art Institute a charming group of sculpture. Several Italian sculptors of the 15th century in Florence are represented looking with keen interest at the Andrea Pisano doors of the Baptistery which had been put in place some seventy years before. Probably since the day of their first appearance these bronze gates had never elicited such eager attention as on the day in the year 1400 when announcements were sent all over Italy that a second pair of gates was to be made.

Florence was very grateful for an escape from a plague, and this new set of gates was to be a permanent expression of gratitude. In Mr. Taft's group the Pisano doors are exquisitely modelled, and before them stand the prominent sculptors of the day. Ghiberti, Brunelleschi, Donatello, and Jacopo della Quercia are all here, and here too, to make the scene more vividly Italian, are a fat monk, two giggling peasant women, a sacristan, the inevitable beggar, and a very nosy dog sniffing at Jacopo della Quercia's baggage. The whole group is like a vivid scene in a 15th century drama.

beautiful, interesting, and instructive at the same time.

JAPANESE DOLLS ARE DISPLAYED IN CHICAGO

Ten of the sixty dolls sent by the Japanese government as a gift to the people of America spent a few days last week in Chicago. Their sisters went directly to New York but these ten, especially selected for their distinguished appearance, were shown in the Children's Museum of the Art Institute in all their exquisite equipment.

A group of thirty-three paintings coming direct from Munich, comprising works of prominent Munich artists gathered under the patronage of H. R. H. the Crown Prince of Bavaria, will be exhibited at the Art Institute beginning Dec. 27 and continuing until Jan. 31. The exhibitors comprise painters whose work is more or less familiar to Chicago, such as Claus Bergen, Ludwig Bolgiano, Julius Dies, Otto Dill, Raoul Frank, Adolph Hengeler, August Herzog, Leo Putz, Carl Reiser, Schramm-Zittau, etc.

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