

Dietz on Science—
OIL INDUSTRY
FAIRLY RECENT
IN DISCOVERY

Today's Giant Business
 Was Started Less Than
 75 Years Ago.

BY DAVID DIETZ

With the oil industry more or less in the center of the stage as the NRA swings into action, with millions of motorists discussing the price of gasoline and the gasoline tax, and with many municipalities engaged in rate battles with natural gas companies, it is difficult to believe that less than seventy-five years ago not a drop of oil nor a whiff of gas were produced for commercial purposes.

In those days, a little petroleum was skimmed off springs where it oozed to the surface and used for medicinal purposes. A few "gas springs" were known. But that was all.

Attention is called to these interesting facts by Professor Carey Cronies of the Walker Museum of the University of Chicago. Cronies paints a picture of the beginnings of the oil industry in comparison with the situation today.

The pioneer wells of the 1850's were drilled by hand. Elaborate machinery is used today. The early wells usually cost a couple of hundred dollars. Today, it is commonplace to sink \$100,000 into the drilling of a well and there are a few that cost \$250,000.

"Colonel" Edwin L. Drake's pioneer well in 1859 yielded twenty-five barrels of oil a day from a depth of seventy feet. Today, wells are in existence which go down a mile and three-quarters and have a potential capacity of 200,000 barrels a day.

Search More Exact

At first, the search for oil was somewhat a haphazard affair. Some of the older prospectors, Cronies tells, went on the theory "that oil and gas, like gold, are where you find them."

"But through the intelligence of men in general and of engineers and geologists in particular, and I must confess, through sad experience as well, we have learned that they are invariably found in certain places," he adds.

Dr. I. C. White, state geologist of West Virginia, for many years, established by 1885 that the most likely of these "certain places" were localities in which the rocks were bowed upward into what geologists called anticlines. Once this principle was established, the number of wells drilled in vain began to decrease.

Cronies says that many claims have been put forward as to who was the first to suggest the anticline theory, but that the fact remains that Dr. White established the theory firmly and made it common knowledge and therefore deserves the chief credit.

Held Oil Troublesome

Among those who acted upon the theory prior to 1885 was Henry West, a Canadian public land surveyor, who seems to have been aware of it as early as 1865.

In a report on "Geology, Oil Fields and Minerals of Indiana," which West drew up in 1865 he states that a certain map shows "each lot, concession, and oil-bearing anticline."

Drake, according to Cronies, is well known as a pioneer of the petroleum world but two others, he says, are not as well known as they should be. They are George H. Bissell, and Samuel M. Kier.

Cronies quotes from a letter which appeared in the Meadville Republican for March, 1865. According to this letter, Kier first obtained oil as a troublesome and unwelcome byproduct from a salt well. Not knowing what to do with it, he sent it to a professor in Philadelphia who suggested that it be refined and used as an illuminating oil. He did this and in partnership with two others who invented lamps to use the oil, opened a store in Pittsburgh.

STATES RUSH BOOZE CONTROL PLANS

Wets and Drys Map Attacks as Repeal Advances

The plans of wet and dry organizations in the event of national prohibition are related in the following article, the last of three written for The Times.

BY HELEN WELSHIMER

NEA Service Writer
 Scripps-Howard Science Editor



A wet day . . . and a dry parade.

tion have been working toward control plans.

"They have been helping to survey conditions and stressing the need of appointment of commissions to work out the various phases of the problem. They are trying to co-ordinate the views of all interested groups—the commercial and civic bodies, and the bar and medical associations."

Foreseeing initial victory in early repeal, and knowing that the problem of liquor control laws soon will be settled, the Crusaders have no intention of disbanding even then. They consider that they still have an important mission to perform—that of combating organized crime and racketeering.

CRUSADER members have been pledged to the cause of temperance from the first, and not to the mere repeal of the prohibition amendment. George E. Dickie, managing director of the group, explained: "We oppose the restoration of the saloon; we want the right to eliminate certain destructive products to be protected in that right; we want liquor control laws which will restrict to the minimum opportunities for profit in the liquor business."

"In Ohio, Michigan, Pennsylvania, Texas, Missouri, Maryland, Illinois, Iowa, New York and several other states, commanders of the organiza-



The wets clamor for repeal.

ity that the now extremely active Women's Organization for National Prohibition Reform may be disbanded, if the eighteenth amendment ceases to exist.

The 1,500,000 members of this group signed a pledge whereby they promised to stand for the repeal of the eighteenth amendment and the return of the control power to the states. Plans for further liquor control, in case the prohibition amendment is repealed, will belong to the respective states. It isn't a function of the national organization to tell individual states what they shall do."

Mrs. Courtlandt Nicoll, first vice-chairman of the Women's Organization for National Prohibition Reform, says: "We have stood for the repeal of the eighteenth amendment and the return of the control of liquor to the states. Plans for further liquor control, in case the prohibition amendment is repealed, will belong to the respective states. It isn't a function of the national organization to tell individual states what they shall do."

A SURVEY of the liquor laws of thirty-four states, made recently by Mrs. John S. Shepard, New York chairman of the W. O. N. P. R., reveals what she describes as

"encouraging indications of a new attitude toward liquor and liquor regulations." These laws display "three primary gains," according to her review:

First—Debt reduction, by taxing beer and wine, to make available to the state revenue which, during the thirteen years of prohibition, has been available only to the bootleggers.

Second—Due consideration for the rights and needs of the citizens of each state is granted.

Last the sale of 32 beer and wine is being carried on under conditions which, while not in all cases ideal, nevertheless (she asserts) will do much to remedy evils which anti-prohibitionists lament under the eighteenth amendment.

The Women's Christian Temperance Union, which has advocated an educational program, from the very first which would guide youth away from alcoholism, will continue its instruction policy if the amendment for which it fought so many years is repealed.

The Anti-Saloon League it offers no compromise. It is directly opposed to the sale and consumption of hard liquor.

SEEK LIBERTY WRITS FOR HOLDUP SUSPECTS

Petitions for Habeas Corpus Action Filed in Superior Court Two.

Petitions for habeas corpus writs were filed Wednesday in superior court two seeking the release from jail of Arthur Hathaway, 21, of 4128 Vandalia avenue, and Charles Sears, 37, of R. R. 1, Box 6, alleged robbery suspects.

Sheriff Charles L. Sumner and Municipal Judge Dewey E. Myers were named defendants.

The men charge that James Miller, 62, of 150 West Twenty-ninth street, night watchman, failed to appear in municipal court when they were arraigned Wednesday.

Police declare that Miller has identified the men as assailants in an attempted robbery. They say that he was ill and unable to attend the municipal court hearing. The hearing was continued by Judge Myers.

DENIES FRAUD CHARGE

Terre Haute Man Pleads Not Guilty to Coercing Fruit Truckmen.

Residents of Westwood, Near Newcastle, Demand Slash of Third.

Asserting that prices of many products only are 50 per cent of the 1929 level and that wages are far under boom times, twenty-six residents of Westwood, near Newcastle, today sought a reduction in their electric rates.

In a petition to the public service commission, the residents demanded a one-third cut in the rate, pointing out that, despite other cost reductions, the light rate is the same as four years ago.

ASK SLASH IN RATES

Automobiles reported to police as stolen belong to:

James Larvin, 418 East Fifteenth street, New Jersey; 203, from Twentieth and Jersey streets; 2732 North Illinois street; Ford coupe, 402 from St. Clair and King avenue.

C. Jorgensen, 2920 North Pennsylvania street, from 294 North Pennsylvania street, in front of James C. Carr, 1802 West Minnesota street; Pinjar, 2302 Pieron street, Cheviot colonnade, from Twenty-first and Illinois streets.

Lee Cole, 217 West Tenth street, Marion couple, from side yard of his home.

STOLEN HOME AGAIN

Stolen automobiles recovered by police belong to:

James A. Williams, 2728 Manker street, Fort Collins, from in front of 385 West Broad Street; 929 Pace Manker street, and West and W. W. street; Ahe Fishman, 1936 Bellefontaine street, Oakdale couch, found at 2318 Malone street; Ford, 1930, from rear of 334 College avenue, stripped of four tires.

Mr. Queen Shiner, 822 North Pershing street, Chrysler sedan, found in rear of 244 Franklin street, 1930, from rear of Kuhn's Men's Market, 407 West Michigan street; Ford coupe, found in rear of 334 College avenue, stripped of four tires.

ASK SLASH IN RATES

Residents of Westwood, Near Newcastle, Demand Slash of Third.

Asserting that prices of many products only are 50 per cent of the 1929 level and that wages are far under boom times, twenty-six residents of Westwood, near Newcastle, today sought a reduction in their electric rates.

In a petition to the public service commission, the residents demanded a one-third cut in the rate, pointing out that, despite other cost reductions, the light rate is the same as four years ago.

LEARN Evening Law School

LAW OPENS SEPT. 11TH for 5th Year

Three - year legal course leads to LL.B. degree.

Catalogue Upon Request.

FRANKLIN HARRISON LAW SCHOOL

1152 Consolidated Bldg. Rilev 5887.

One Day Sale

Unfinished CHAIRS

69¢

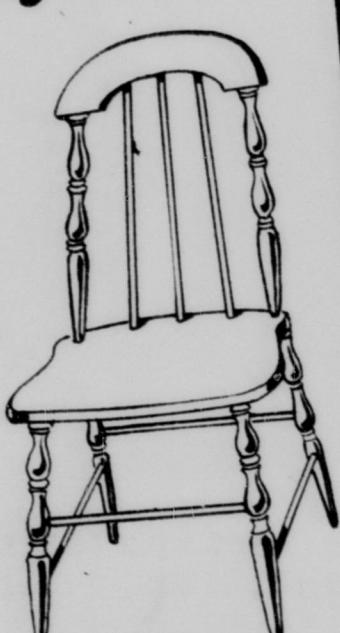
SPECIAL FRIDAY ONLY
 A very fortunate purchase
 enables us to offer you these
 well made kitchen chairs at
 this low price.

Get Yours Tomorrow!

Please, No Phone or C. O. D. Orders

LIMIT ONLY 6 TO A CUSTOMER!

Peoples Outfitting Co.
 133-135 WEST WASHINGTON STREET



THOUSANDS OF WOMEN WILL AID NRA DRIVE

MAN, 105, SAYS WINE IS LONGEVITY SECRET

Disregards Doctor's Orders And Enjoys Good Health.

By United Press

SYRACUSE, Sicily, Aug. 10.—Giovanni Mascali, aged 105, is reputed the oldest man in the island of Sicily. He lives in a small village near here and told the local press, of his 105th birthday, that he attributes his longevity and good health to drinking plenty of wine.

"About eighty years ago, I fell ill."

Giovanni told the reporters, "and the doctor warned me that if I wanted to enjoy good health I would have to give up wine."

"Keep it out of the house, he told me. So I have. I keep it in a shed just outside the front door, and when I want a drink I go and have it outside. The doctor, poor fellow, who was an abstainer, died a long time ago. I propose to go on drinking wine until I die."

The ancient surgical operation of cutting a hole in the skull to remove pressure, or "let out the evil," still is practiced in Algeria.

Mrs. Harley Ham, 20, of Vincennes died early today in her room at the Eastgate hotel, as the result of an illegal operation, according to Dr. E. R. Wilson, deputy coroner. Mrs. Ham registered at the hotel Monday and had been attended by a local physician several times before she was found dead by Byram Fletcher, night clerk, officers were told.

Sander & Recker's

August Sale

Reduction of

10% to 50%

on Quality

FURNITURE

Sander & Recker

Furniture Co.

Meridian at Maryland

Choice of the House

THE MILLER-WOHL CO.

45 EAST WASHINGTON ST.

Summer Shoe

\$1.95 to \$2.95 Values!

WHITES

Also, Beiges

Blues, Blacks

\$1

and \$1.19

Kid! Pumps!

Mesh! Sandals!

Patents! Oxfords!

High and Low Heels!
 Sizes 5 to 9
 in the lot as a whole.

Liberal stop-over privileges

For Information Phone Riley 9331

Pennsylvania Railroad

Camel's costlier Tobaccos

never get on your Nerves...Never tire your Taste

I NEVER TIRE OF CAMELS. THEY'RE SO DELIGHTFULLY MILD!

YOU'RE RIGHT. I FIND THAT THEY DON'T UPSET MY NERVES NO MATTER HOW MANY I SMOKE.

Camel's costlier Tobaccos

never get on your Nerves...Never tire your Taste

ADDRESSED TO EMPLOYERS

who want to reach competent help

★ ★ ★

Shorter working hours no doubt necessitates an increase in your present organization. Of course, in as many cases as possible you will want to rehire former employees. But, when that is not possible and the need arises for competent, serious-minded workers, make it a point to call Want Ad Headquarters, RI-5551. A trained ad taker will assist you in writing your ad and we shall be glad to open an account in your name.