

# 'WET' AND 'DRY' GAS EXPLAINED

### First Gasoline to Come as Crude Oil is Refined Heavy, "Wet"

What is the difference between "wet" and "dry" gasoline? This is a question every automobile owner is pondering these days. New high-speed motors, increasing traffic congestion, the need for getting every cent's worth of value from your fuel—all these things make it necessary to use "dry" gas if best results are to be obtained.

An interesting scientific explanation comes from the laboratories of the Shell Oil company where Shell "400" was developed. "Crude oil contains a certain amount of gasoline," say Shell chemists. "To extract this, we distill the oil.

Part of the gasoline in the oil is very volatile and is separated at a comparatively low temperature. As the temperature rises, still more of the gasoline is obtained. All of the gasoline that meets government specifications is extracted when the temperature reaches 437 degrees Fahrenheit. "However, that portion of the gasoline which comes off when the crude is heated from 400 to 437 degrees is the least volatile of the entire batch. It is heavy or 'wet' as we say. It is called the 'ends' of the gasoline.

# NASH COMPANY IS HEAD IN CARS SOLD

The approach of touring time—those long anticipated months that send millions of American motorists into the open to revel in new scenes and sensations—has brought with it a steady national increase in the demand for the Nash "400" cars that fit so perfectly into every motoring requirement, according to officials of the Nash Motors company sales department.

Following an April which registered a gain of 22.65 per cent in domestic shipments of "400" series cars over the month a year ago, they received reports today from ten of the most important American motor sales centers showing that deliveries of new Nash cars in these points during the week ending May 19 were 43.84 per cent above deliveries in the same cities for the corresponding week in 1928. All indications point to another record-breaking month for Nash, they declare.

# RUSSIA GOES TO AIR

MOSCOW (AP)—Russia's first multi-motor passenger plane has been added to her air fleet. It has accommodations for 12 passengers, and will make a round trip this year to Paris, with stops at Lige and Berlin.

# CLASSIC RIVER CONDEMNED

ATHENS (AP)—The classic river of Athens, the Ilissos, celebrated by Plato and the poets, has been condemned as a breeder of mosquitoes by sanitary engineers. It will be made over into a sewer.

# They Challenge All-Comers at Tourney



The bachelors rounded up the O'Leary's Legionnaires bowling team, with the help of Virgil M. Stoliker and snapped the handsome quintet which recently took fourth place in the Northwest Tournament at Vancouver, B. C. The Salem boys totaled 2782 points and held off the entire field of 150 crack northwest teams up until the last two days when they were noed out by a few pins for the championship in a hectic and raging finish. Now the team is issuing an open challenge to all legionnaires for all events next August when the legion convention will be held in Salem. Taps will be the prevailing tune for any outside competition in August according to the captain of the squad. Left to right the players in the above picture are Captain "Stoly" Stoliker of the Franklin agency here; Charles Monson, local representative of the Zellerbach Paper house here; "Cy" Greenlaw, assistant manager of the Silver Falls Lumber Co., and Van Wolder, of Weider's laundry.

# Indianapolis Race Lead by Studebaker Automobiles

Another distinctive honor has been accorded Studebaker's championship cars by officials of the Indianapolis speedway, who conducted the 500-mile Grand Prix Race Memorial Day, according to Wallace Eonesteel of the Marion Garage Co., Studebaker-Erskine dealers here. Five Studebaker President Eights were chosen as official cars for the referee, starter, timer and other race authorities.

# Prizes Given for New Ways To Save Time

A thrift campaign, laid out on the same extensive plan as its large scale manufacturing operations, is now in progress at the Oakland Motor Car company, at Pontiac, Mich.

Since the modern plant of the company is now being operated in a highly efficient manner, the campaign is designed primarily to discover new ways or processes to eliminate waste of time or materials in the building of Oakland and Pontiac sixes.

\$1200 Made Available To enlist the aid of the workman in the campaign, the company management has offered, for suggestions which outline practical means for cutting the costs of production, prizes, totaling more than \$1,200.

Daily bulletins issued to the plant workers, exhibit boards mounted in the plant displaying items which may inspire prize plans and other features have been arranged to keep the workers' interest in the campaign.

While special inducements have been offered to plant foremen and superintendents who offer plans to cut waste for some time past, the present campaign is directed to the workers because their proximity to the job places them in a particularly favorable position for seeing how the job might be done more simply or economically.

# FOUR-WHEEL BRAKE TRAFFIC SAFEGUARD

### Chrysler Internal-Expanding System Proved of Merit; Cost Reduced

Modern traffic conditions both in cities and rural communities demand not only precaution on the part of the automobile driver but details of construction in the car itself that will promote safety of operation.

The most important part of an automobile with regard to safety is the braking system. It is imperative, therefore, that the brake system should be of the most modern design, sure and positive of operation.

"Hydraulic internal expanding four-wheel brakes are used on all models of Chrysler cars," according to J. W. Fraser, General Sales Manager, "because they have been found to be the simplest in construction. Because they require less attention by the owner, they reduce the maintenance cost of the car as they eliminate numerous mechanical devices, including all cross rods, pull rods and cables. Inasmuch as they are absolutely positive in their equalization of pressure to all four wheels, they have proved to be the most satisfactory brakes we have been able to devise.

"In making the Chrysler a safe car to drive, however, we have not been content to confine our efforts to the braking system. Other features of safety are incorporated in various parts of the car with the result that the owner of a Chrysler may be certain that his car will operate easily and safely at all times.

# NEW PROCESS WILL SAVE ON OIL COST

A revolutionary process for treating cracked gasoline that will mean a saving of approxi-

mately a million dollars a year in refining costs has been announced by C. M. Fuller, president of the Richfield Oil company of California. According to Mr. Fuller, the company's refining engineers and chemists have brought a new vapor phase process to commercial perfection. The process is the invention of Professor Arthur Leachman of the University of California and more than three years of experimental work have been spent on its development. The company is starting construction of the first unit of this process, which will be an addition to its present cracking facilities.

# Braly Auto Co. of Portland, Oregon Franklin Distributors

Takes Pleasure in Announcing the Appointment of

# Stoly Motors

Virgil M. Stoliker—Owner

As local dealer for Franklin cars exclusively

"Stoly," formerly one of the "Stoly and Mert" combine at the Winter Garden, will put forth every effort to meet the requirements of Franklin owners and invites your personal approval of the "World's Fastest Road Car" which can be purchased fully equipped in Salem for less than \$2,500.00.

Service Station and Headquarters at Herb Ostlind's garage—375 Chemeketa St.

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# Sale Of Cars Is Heavy For G. M. In Other Lands

In the first quarter of 1929, General Motors sales to overseas dealers amounted to 54,212 cars, as compared with 56,937 in the corresponding period of 1928. This reduction does not in any sense represent a change in the demand but rather reflects the limitations on production due to an extensive revamping of certain of the corporation's models, which condition has also been reflected in the reports covering movement of cars in the domestic markets.



Joe Williams Service that Satisfies

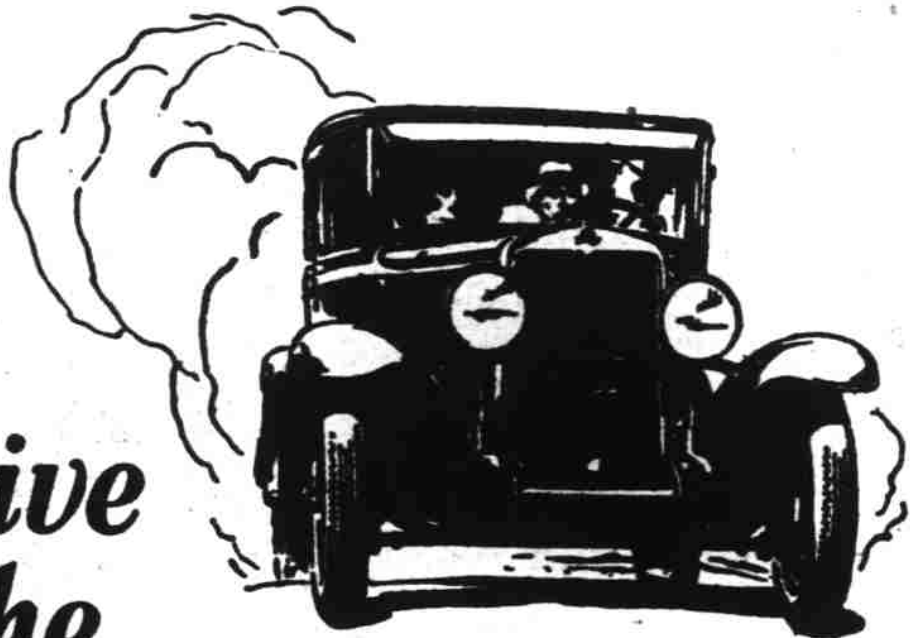
# 'TIS A FACT

that Our recharging is better and the price pleasing TRY IT

We sell the famous Willards at no additional cost over ordinary makes

# JOE WILLIAMS

Center & High Phone 198 "Service that Satisfies"



# Drive the Chevrolet Six

### -and learn what marvelous performance you can get in a low-priced car

### The COACH \$595

- The ROADSTER ..... \$525
- The ROADSTER ..... \$525
- The COUPE ..... \$595
- The SEDAN ..... \$675
- The Sport CABRIOLET ..... \$695
- The Custom-ize LANDAU ..... \$725
- The Sedan ..... \$595
- The Light Delivery Chassis ..... \$400
- The 1/2 Ton Chassis ..... \$545
- The 1 1/2 Ton Chassis with Cab ..... \$650

COMPARE the delivered price as well as the list price in considering your purchase. Chevrolet's delivered price includes only the factory and shipping charges for the body and painting.

If you are one who has always believed that truly fine performance can only be had in a high-priced car—drive the Chevrolet Six!

Here, in the price range of the four and with economy of better than 20 miles to the gallon of gasoline, is offered a type of overall performance that will literally amaze you—

—marvelous six-cylinder smoothness that eliminates vibration and body rumble—power that takes you over the steepest hills—acceleration and speed that make every mile a delight—handling ease and restful comfort that leave you refreshed at the end of the longest drive!

Emphasizing this outstanding six-cylinder performance are the beauty and strength of smart new bodies by Fisher. Created by master designers—they represent an order of coachcraft never before approached in a low-priced car. Come in today and drive the Chevrolet Six!

# DOUGLAS McKAY CHEVROLET CO.

430 N. Commercial St.—Phone 1802

Ball Bros., Turner Hardy Chevrolet Co., Woodburn Hollis E. Smith, Dallas Columbia Garage, Mt. Angel Halfday's Garage, Mouthouth

A SIX IN THE PRICE RANGE OF THE FOUR

## For Even Greater Economy—TRADE-IN Your Old Battery on a New-Dependable "Western Auto" Battery

Read over the superior features of "Western Auto" Batteries... They explain the hot fat sparks for quicker starting, complete combustion, smoother running and gasoline economy that reward users of Wizard and Western Giant Batteries... They explain the Reserve Power that gives you brighter lights for safer night driving, and for the operation of other modern motoring necessities... They explain, also, the longer life and freedom from trouble that make these splendid batteries so popular.

### More Power—Longer Life

The Touring Season Is Here  
So, with long motoring trips ahead, the question "How's your battery?" demands immediate attention.

### The Answer Is a "Western Auto" Battery

Assure uninterrupted enjoyment by installing an economical, fully guaranteed, long-lasting, trouble-free Wizard or Western Giant at once. The additional savings you make by trading in your old battery as part payment will buy something else that will help make your trips more enjoyable.

### Superior Features of "Western Auto" Batteries

- CASE of seamless hard rubber—add proof, strong and durable.
- CARE WALLS set of and secured in same piece with outer case.
- PLATES extra thick and long lived. Best materials—high-grade acid—grid and lead plates contain correct amount of antimony for greatest durability.
- SEPARATORS of high-grade white cedar thoroughly treated to insure greater capacity, allow current to flow freely and give complete insulation.
- TERMINAL POST LOWER SECTION—correct size for cable connection. Heavy rubber washer just under terminal post nut, prevents acid leaks.
- CELL CONNECTORS solidly fastened to carry current with least resistance.
- VENT PLUGS of hard rubber, save heavy corrugations for easy handling.

### Wizard Special 1-Piece Rubber Case For Small Cars or Radio

A special battery for light cars. Guaranteed for 1 year, and backed by the same "150-Store Service and policy as other "Western Auto" batteries. An excellent radio battery... \$6 (Less Trade-in)

### Our Guarantee

If any "Western Auto" Battery develops trouble due to defects in materials or workmanship, within the guarantee period, we will repair or replace it on a service basis.

### Western Auto Supply Co.

More than 150 Stores in the West.  
Salem Store 201 N. Com'l. Telephone 796

### Western Giant Super Strength Battery

Guaranteed 2 1/2 Years  
Extra Quality case—larger and deeper plates—and separators reinforced with perforated rubber—insure give still longer life and greater power. Truly a super strength battery for most severe motoring conditions.  
Deduct Trade-in Allowance From These Low Prices:  
H 6-11 Western Giant, Guaranteed 2 1/2 years... \$11.25  
H 6-12 Western Giant, Guaranteed 2 1/2 years... \$12.00  
H 12-7 (12-volt) Western Giant, Guaranteed 2 1/2 years... \$14.00

### This Service Is FREE!

FREE INSTALLATION  
FREE SERVICE  
FREE LOAN BATTERY if needed during guarantee period.

## HINTS for your SUNDAY DRIVE!

We Suggest a Loop Trip to Walport.. Newport.. Corvallis

Leaving Salem, take the west side highway to Corvallis 27 miles—then to the west 5.7 miles to Philomath, here you turn left and go southwest for 31 miles to Alsea—then west 20.1 miles to Tidewater and go on 16 miles more to Walport. Cross the bay at Walport and go north 16 miles on Beach road and ferry to Newport. After leaving Newport go east 2.3 miles to Toledo—then 46.8 miles to Corvallis and on home—making a total of 214.9 miles for this wonderful loop trip.

### BEFORE YOU GO PUT ON A SET OF NEW MILLER TIRES

GEARED TO THE ROAD

Your trip will not be marred by tire trouble if you have Miller's on your car.

## Miller Tire Service Co.

"RUSS" SMITH  
197 So. Commercial Street—PHONE 312