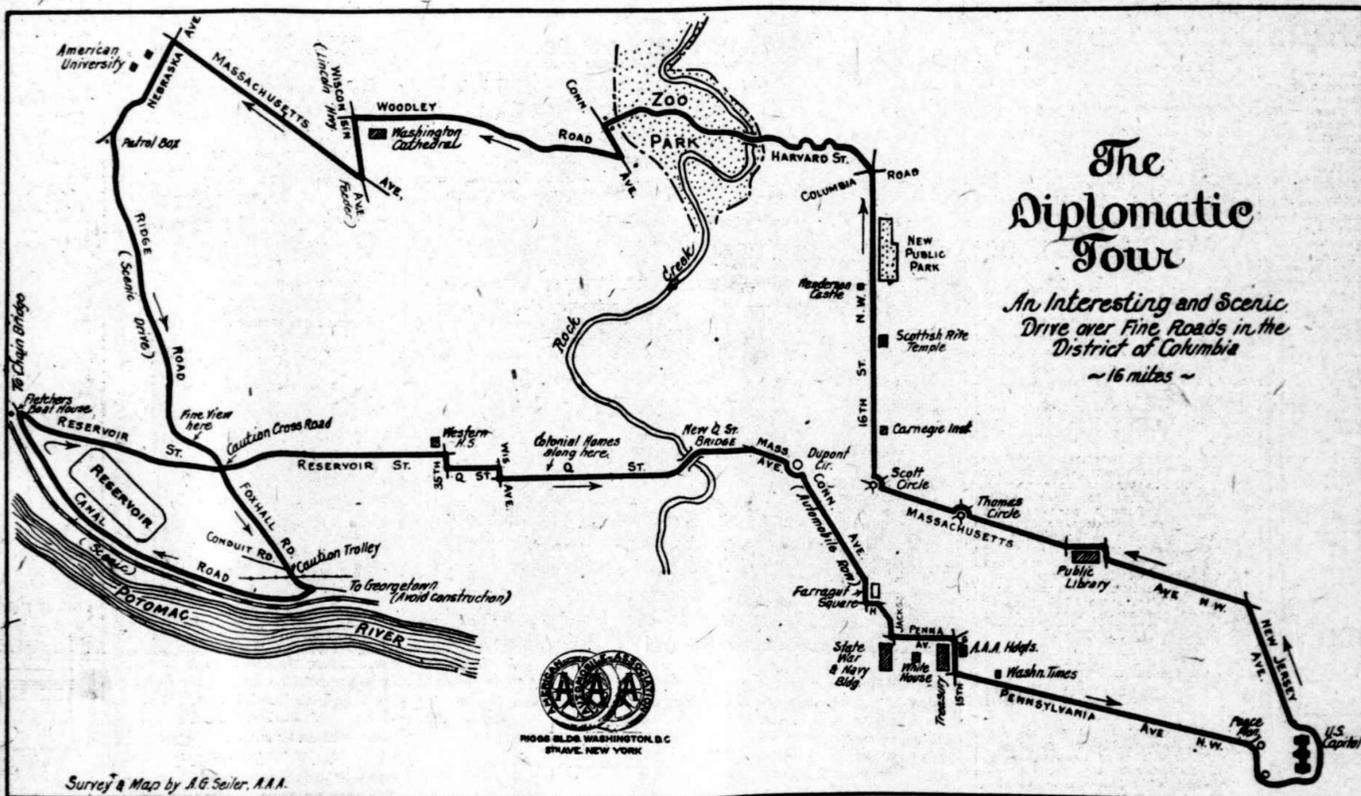


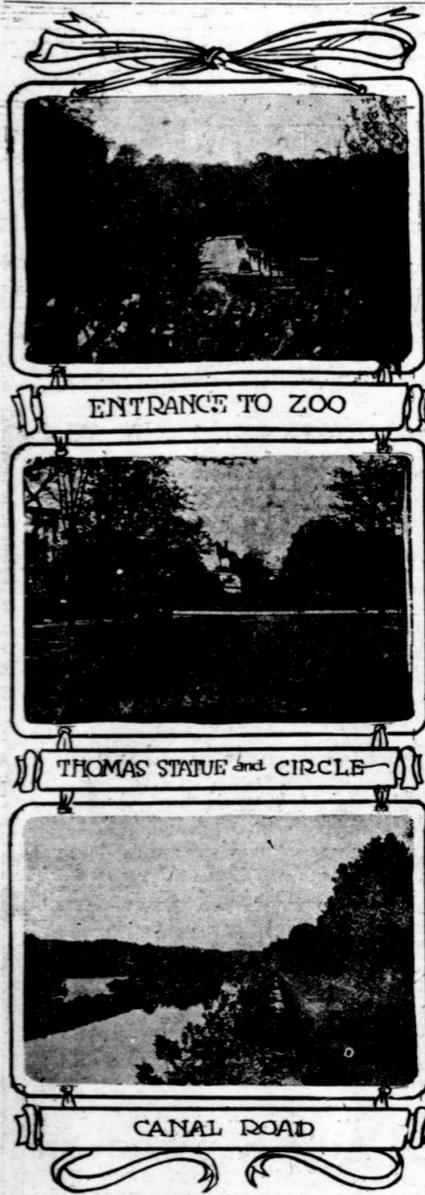
This is one of a series of tours being issued by the American Automobile Association, in co-operation with the District of Columbia Commissioners, which will include some of the most delightful drives within the District limits. This map is published at the request of the District Commissioners.



In the above 16 miles one traverses the most beautiful part of the Nation's Capital. To the stranger who tarries in our midst the photo-

graphs reproduced here will furnish but a faint idea of the manifold beauties and interesting environments of Washington. Few cities

in the country can produce a more varied panorama of scenic attractions within so short a journey. The Capital is beautiful at this season.



### MOTORISTS LOSE BIG SUM ON "GAS"

NEW YORK, Oct. 25.—A gasoline investigation recently conducted by the bureau of weights and measures and city and county sealers showed an average percentage loss of 2 per cent through incorrect measuring pumps. There are today more than 500,000 motor vehicles licensed in the State of New York. A conservative annual average of 100 gallons of gasoline per vehicle would mean a total consumption of at least 50,000,000 gallons of gasoline a year. A 2 per cent loss on 50,000,000 is a loss to consumers of 1,000,000 gallons a year. An average price of 25 cents a gallon means an annual loss to New York motorists of \$250,000.

Facts to be remembered are these:

1. Urge your dealer to make a daily test of the accuracy of his gasoline

2. On pumps making one-gallon deliveries, see that the pump operator makes a full stroke and that the piston travels its full length.
3. Watch the counter or indicating device on all pumps provided therewith.
4. See that the operator drains the delivery hose.
5. On pumps provided with graduated glass cylinders, see that the gasoline reaches the proper graduation.
6. Beware of the filling stations where the delivery is outside and the pump inside the building. The motorist should be able to see the pump under operation.
7. Operators should willingly test pumps in the presence of the autoist with the five-gallon standard measure sealed by the local inspector of weights and measures.
8. Short delivery of gasoline is sometimes caused by leaks in the supply line to the pump. This condition causes the pump to deliver air instead of gasoline and can be detected by the sputtering sound.
9. If the gasoline is low in the

supply tank, short delivery is likely to result. This can be detected by the irregular flow of gasoline and the sputtering sound. Such a condition is frequently encountered where portable filling tanks are used.

10. The first delivery made by a pump after it has been standing idle for some time is invariably short. This is caused by the gasoline already in the measuring chamber leaking back into the dealer's supply tank through a leaky check valve.
11. View with suspicion a gasoline delivery hose attached to a well in the curb. It is impossible to properly drain a hose so installed, and adequate measure cannot be obtained unless this done. All delivery hoses should have an overhead delivery.
12. In rare cases pumps may be deliberately manipulated to deliver short amounts through the changing of measuring adjustments. Such cases are difficult to detect. When in doubt, insist on a test.

**LOCK YOUR SPARE TIRE.**  
**LOCK YOUR CAR.**

### NEW MEMBERS IN MOTOR ASSOCIATION

NEW YORK, Oct. 25.—At a meeting of the board of directors of the Motor and Accessory Manufacturers' Association at the New York office, the following companies were elected to membership:

American Hammered Piston Ring Company, Baltimore, Md.; Chicago Steel Wheel Company, Chicago, Ill.; Corcoran Manufacturing Company, Cincinnati, Ohio; Iron City Products Company, Pittsburgh, Pa.; L. Lawrence & Co., New York city; National Clutch Company, Inc., Irvington-on-the-Hudson, N. Y.; Roberts Brass Manufacturing Company, Detroit, Mich.; Charles Schutte Body Company, Lancaster, Pa.; Sears-Cross Company, Brooklyn, N. Y.; Special Tool Engineering Company, Dayton, Ohio; Trexler Company, Philadelphia,

Pa.; Wellman, Seaver, Morgan Company, Akron, Ohio.

Among other firms elected within the past two months are the following:

General Asbestos and Rubber Company, Charleston, S. C.; Hudson Motor Specialties Company, Philadelphia, Pa.; McQuay-Norris Manufacturing Company, St. Louis, Mo.; Macbeth-Evans Glass Company, Pittsburgh, Pa.; Midwest Engine Company, Indianapolis, Ind.; Northwestern Chemical Company, Marietta, Ohio; Perfection Heater and Manufacturing Company, Cleveland, Ohio; Story Rubber Company, New York city; Toledo Steel Castings Company, Toledo, Ohio; Triplex Safety Glass Corporation of America, New York city.

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Put this memo in your note book

## How a Prominent Washingtonian Secured Perfect Automobile Lubrication

NATIONAL SURETY COMPANY,  
W. H. Ronsaville, Resident Manager.  
Washington, D. C., May 19, 1919.

Acheson Oildag Company, Washington, D. C.

Gentlemen: I note with a great deal of interest that Oildag is available for use in automobile engines, and is now on sale in Washington.

I have used Oildag in several makes of cars, during the past years and my experience with it has been remarkable. In one or two old cars in which I have used it, it has had the effect of increasing the power of the engine to a remarkable degree, and I have also been impressed with its economy, as it needed to be renewed much less frequently than ordinary lubricating oils.

I can appreciate your argument that through the use of Oildag, by reason of the lesser quantity used, the less trouble from carbon is experienced.

I feel sure that you will be gratified with the sales of Oildag, if it is properly brought to the attention of the automobile owners of Washington. Very truly yours,  
W. H. RONSAVILLE, Resident Manager.

## Why Not Lubricate Your Motor with Oildag

The Wonderful Engine Oil Lubricant Invented by Dr. Edward G. Acheson

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| Bailey's Auto Supply Co.,<br>3001 14th St. N. W.               | Modern Auto Supply Co.,<br>917 H St. N. E.                        |
| Belmont Auto Service Station,<br>14th and Belmont Sts. N. W.   | Motor Inn,<br>1108 Connecticut Ave. N. W.                         |
| Crosstown Auto Supply Co.,<br>N. E. Corner 14th & S Sts. N. W. | Mulcare's Tire & Accessory Shop,<br>1222 14th St. N. W.           |
| Davis & Child,<br>1110 14th St. N. W.                          | The National Garage,<br>326 New Jersey Ave. N. W.                 |
| Donohoe Motor Co., Inc.,<br>215 Pa. Ave. S. E.                 | North Capitol Tire Shop,<br>1218 North Capitol St.                |
| Dupont Garage Co.,<br>2020 M St. N. W.                         | Northwest Auto Supply Co.,<br>1946 New Hampshire Ave. N. W.       |
| Eastern Auto Supply Co.,<br>522 8th St. S. E.                  | Rudolph & West Co.,<br>1322 New York Ave. N. W.                   |
| Emerson & Orme Co.,<br>1620 M St. N. W.                        | Schaefer & Ridgley,<br>1411 S St. N. W.                           |
| John B. Espey Co.,<br>1010 Pa. Ave. N. W.                      | Seaton Garage & Supply House,<br>306 Rhode Island Ave. N. W.      |
| J. C. Flood & Co.,<br>2114-16 14th St. N. W.                   | Service Tire Co.,<br>1336 14th St. N. W.                          |
| W. H. Frey,<br>1724 14th St. N. W.                             | Speedway Auto Supply Co.,<br>332 14th St. S. W.                   |
| Gustave Hartig,<br>509 H St. N. E.                             | Surety Garage & Motor Co.,<br>14th and V Sts. N. W.               |
| Louis Hartig,<br>7th & K Sts. N. W.                            | 31st St. Auto Supply Co.,<br>31st & M Sts. N. W.                  |
| Home Auto Service Station,<br>314 Pa. Ave. N. W.               | United Garage Co.,<br>2424 18th St. N. W.                         |
| Kalorama Garage,<br>1640 Kalorama Road N. W.                   | Uptown Auto Supplies Co., Inc.,<br>18th and California Sts. N. W. |
| Lehman Tire Shop,<br>811 H St. N. W.                           | Rockville Garage,<br>Rockville, Md.                               |

Write or phone us for booklet on Engine Lubrication

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