

WATCH CAR NOW-HINT

Motor Club Gives Expert and timely Advice to motorists on Prevention of Freeze-ups

At this time of the year the motorist begins to think of getting his car ready for winter driving.

According to a bulletin issued by the mechanical first aid department of the Chicago Motor club, the ordinary cooling system holds about 3 1/4 gallons of water, and if one gallon of denatured alcohol is added to 2 1/4 gallons of water, to fill the radiator, you will have a 30% solution, which will not freeze until the mercury gets down to 10 above zero. This is satisfactory for most conditions, even if the thermometer may be standing around the zero mark, because it takes some time for a car to cool down to the temperature of the air. One and one-third gallons, however, a 40% solution, will give immunity down to 2 degrees below zero, and if the car is left in an unheated garage overnight this is safer. Of course, if a real old fashioned cold snap comes on the safest thing to do is to see that the temperature contains a 50-50 solution of alcohol and water.

In buying alcohol for the radiator, only denatured should be accepted, as it is harmless to the radiator, hose connections, or engine, whereas wood alcohol usually contains free acetic acid which is harmful to these parts, and while it is a slightly better anti-freeze than denatured alcohol, it is not enough so to warrant its higher cost.

The trouble with alcohol is that it boils at a somewhat lower temperature than water, and while this is not a drawback from the standpoint of heating, it means that it will evaporate fast and one can never be sure he has enough alcohol in his radiator unless he makes a hydrometer test

Regular hydrometers for testing the specific gravity of anti-freeze solutions are on the market. In using a hy-

drometer a sample is taken in the usual manner, but unlike the battery test, the desirable thing is to have as low a reading as possible. It is important that the reading be taken where the temperature is not below 55 degrees fahrenheit. If the reading is 1000 then you have pure water, which will freeze at 32 degrees above zero. The presence of alcohol will lower the specific gravity, and also will lower the temperature at which it will freeze.

ENTERTAIN FORMER RESIDENT

Mrs. Lillian Anderson of San Diego, Cal., formerly of Wilmette, is visiting her mother and father at the Edgewater Beach hotel. During her stay, several affairs are being given in her honor, among which are the small luncheon Mrs. Robert Kenyon gave Thursday at her home, 1011 Greenwood avenue, and the luncheon Mrs. William O. Belt of Kenilworth will give next Thursday. Mrs. Frank Barrett entertained at supper last Sunday night at her home in Kenilworth, and this Sunday evening, Mrs. Robert Kenyon, will again be hostess in her honor.

LEAVE FOR FOOTBALL GAME

Among many north shoreites who are joining the throngs of enthusiastic spectators at the Chicago-Illinois game at Champaign this week, is the following group of Winnetkans who are joining a party leaving in a private car today: Mr. and Mrs. Robert Burrows, Mr. and Mrs. Dwight Green, Mr. and Mrs. Dick Payne, Mr. and Mrs. Samuel Smart, Mr. and Mrs. Dudley Bradstreet, Mr. and Mrs. R. F. Hyman, Mr. and Mrs. James Gillies, Mr. and Mrs. Heber Smith, Mr. and Mrs. Joseph Coombs, Mr. and Mrs. Hill Blackett, and Mr. and Mrs. Arthur Woodward.

Mr. and Mrs. S. Edwin Earle of 922 Tower road, left last week for California. They expect to return in about a week.

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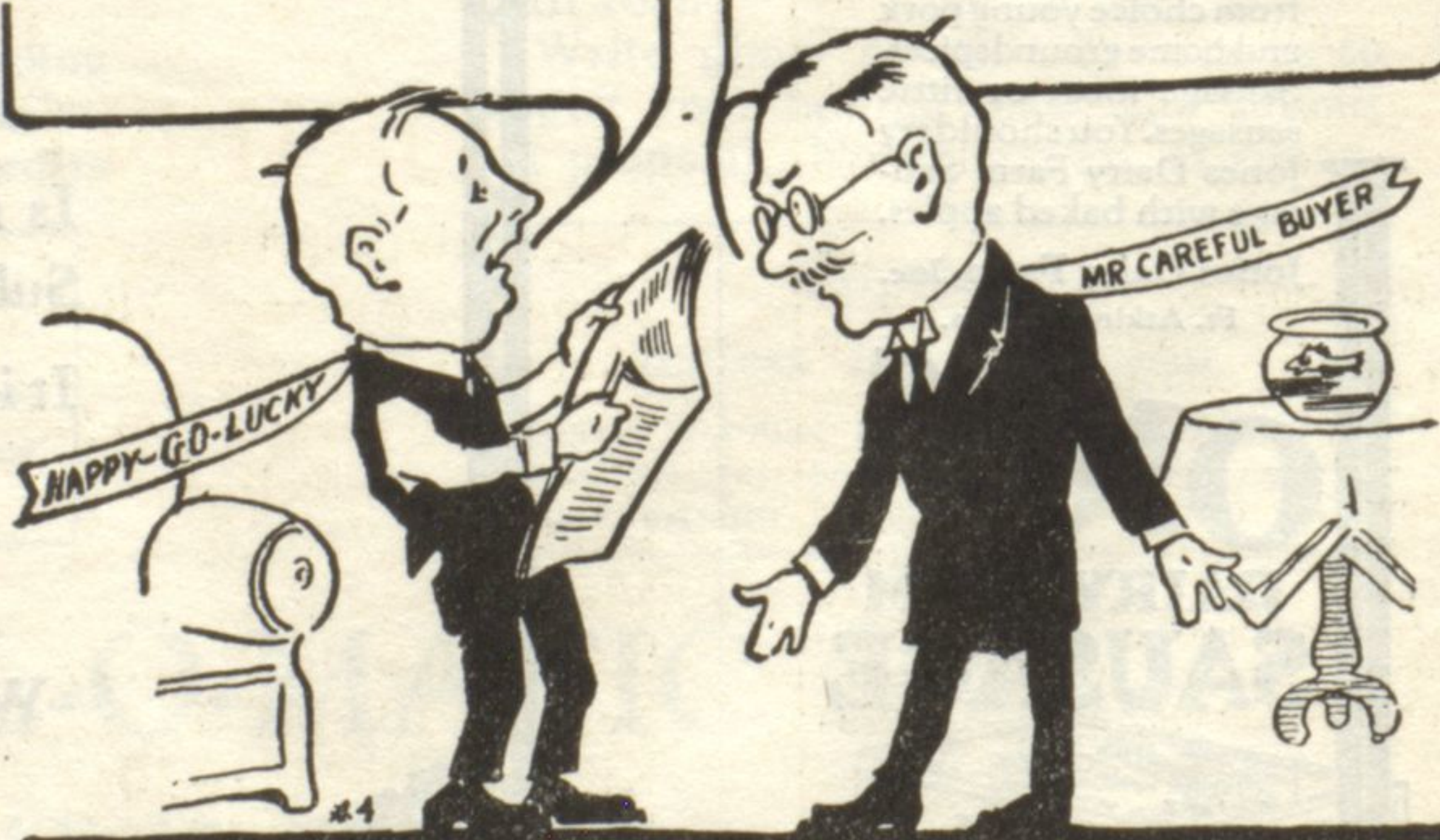
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