

Police Take Man Home Following Fall

Robert Carlisle Kahler, 80, of 312 Portland ave., was taken to his home by Medford police Tuesday morning after he suffered facial injuries and a broken eyeglass lens following a fall at 21 North Central ave.

The accident occurred at 11:20 a.m. while the man was walking on the sidewalk in front of Leon's Tots-To-Teens shop.

One of every four patients who visit a pediatrician, 10 per cent of the people who see a dermatologist, and 3 per cent of those who call on a general practitioner do so because of allergies.

Court Records

MUNICIPAL COURT
Frank Curry Williams, disobeyed traffic sign, \$5.
Jesse Frances Goheen, following too close, \$25.
Leonard Martin Lemons Jr., violation basic rule, \$10.
Shirley M. Butterfield, violation basic rule, \$10.
Nedra Ruth Lindsey, no operator's license in possession, \$250.
Theodore Dittmer Cook, disobeyed traffic signal, \$10.
Maurice Lane Henderson, disobeyed traffic signal, \$10.
Clarence Keith Edwards, violation basic rule, \$10.
Earnest John Dukeshier, improper turn, \$5.
Donald Ray Nelson, improper right turn, \$5.
Marshall D. Ramsby, violation basic rule, \$10.
Leonard Roy Bailey, disobeyed traffic signal, \$10.
Virginia Esther Moore, violation basic rule, \$10.
Nellie M. Granger, violation basic rule, \$10.
Edward Paul Barnett, violation basic rule, \$10.

Use of Bacteria in Finding Oil Basis of Texas Man's Patent

Washington (Science Service)—Before gambling on expensive rigs and drilling operations, oil prospectors are consulting with natural-born experts, a family of bacteria. These experts have to know where the black gold is; they eat the stuff.

Use of the bacteria is the basis of an invention which earned for James Maddox Jr., Bellaire, Texas, one of 1,062 patents awarded by the U.S. Patent Office here this week.

The invention takes advantage of the fact that certain bacteria, which consume hydrocarbons contained in petroleum, are found in unusual numbers in the soil over subsurface oil deposits. This is how it works:

Soil samples are mixed with known amounts of a hydrocarbon, then incubated. The mixture is allowed to stand quietly for one to three days. The soil bacteria multiply rapidly with no measurable utilization of the hydrocarbons. Then, with large numbers of bacteria present, the mixture is swished around continuously up to several days, a situation which seems to stimulate the microbes to consume the hydrocarbons.

If there were plenty of oil-eating bacteria in the original soil sample, the hydrocarbon consumption would be measurable and would indicate to geophysicists that petroleum deposits exist.

Maddox' exploitation of the primeval oil prospectors is a modification of another system that only recently came into use.

Push-Pull Nuclear Reactor
A new twin nuclear reactor has a self-regulating push-pull system for drawing off heat to be used in power production. The invention earned patent No. 2,875,143 for Darol K. Froman, Los Alamos, N.M., who assigned it to the U.S. Atomic Energy Commission.

Froman said the push-pull system has no moving parts and eliminates radioactive gas handling, exhaust equipment, and hazards usually associated with liquid fuel circulation in reactors.

The twin reactors are linked by a heat exchanger. When the first reactor goes critical, released nuclear energy raises the temperature of the liquid fuel, thereby increasing the vapor pressure over the fuel.

Forced out of the reactor by the pressure, the liquid passes through the heat exchanger (which draws off the heat for use in power generating facilities) and into the second reactor. The process is repeated and continues to repeat between the two reactors in a

push-pull fashion.

A portable kit enables G.I.s in the field to impregnate their clothes with a substance that protects them against poison gases.

Consisting primarily of activated charcoal, ammonia and polymeric chemicals, the substance is mixed with water. Clothing is dipped and allowed to dry about 24 hours. Washing with alkaline soap removes the substance.

For the invention, Francis W. Minor, Arlington, Va., and Anthony M. Schwartz, Washington, D.C., received patent No. 2,875,167, which they assigned to the United States of America as represented by the

Secretary of the Army.

An electrical sensing system for providing landing aircraft with minimum skidding and slipping and maximum braking was invented by Dwight E. Brown, Sherman Oaks, Calif. It automatically delays application of the brakes until the speeds of the spinning wheels and the aircraft itself are about equal.

Brown assigned his patent, No. 2,874,810, to Hydro-Aire, Inc., Burbank, Calif.

Boat-Fishing Net
Demetrio M. Coble, Honolulu, was awarded patent No. 2,874,505 for a boat combined with a fishing net which can be lowered and then raised

with trapped fish for storage in a well in the boat. A wire trap arrangement allows the caught fish to escape marauding sharks and other large fish.

Vertical Take-Off Aircraft
Patent No. 2,874,920 went to George E. Mallinckrodt, St. Louis, for a vertical take-off aircraft with a barrel-shaped wing enveloping the body. Helicopter-like blades within the open-ended barrel lift the

aircraft vertically and a nose propeller thereafter drives it horizontally. In horizontal flight, the barrel blades are positioned like conventional wings to provide lift.

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Safe Driving Tips Offered For Teen-Agers

Chicago—“Chicken out when common sense tells you it's time to give in. Never mind who's right. Be smart—stay alive.”

That's the advice to teen-agers from professional drivers—the state patrolman, the test track driver, the trucker—who have found that safe driving is a matter of experience and attitude.

Their safe-driving tip-and many others—is offered in a new booklet written by the National Safety Council and distributed by the Standard Oil Company (of Indiana) and its marketing affiliates, the American Oil Company and the Utah Oil Refining Company.

Important to Safety
The Safety Council calls the booklet “one of the most important contributions to safety ever made.”

“We want to do everything we can to reduce the traffic

toll, and this is one way we can help,” said Frank O. Prior, board chairman of Standard Oil.

The booklet says teen-agers are involved in twice as many fatal accidents for the number of miles they drive as motorists over 25 years of age. It adds that teen-agers who have received driver education

don't have half as many accidents as those who haven't.

Here are the tips:
—Don't show off or clown behind the wheel.
Highway for Sharing
—Have guts enough behind the wheel to chicken out when common sense tells you it's time to give in. Never mind who's right. Be smart—stay alive!

—The public highway is for sharing, not competing.
—The squeal of tires and roar of the exhaust may sound like hot stuff to a driver who needs it to build up his ego. But it tags him as strictly an amateur to the real pro.

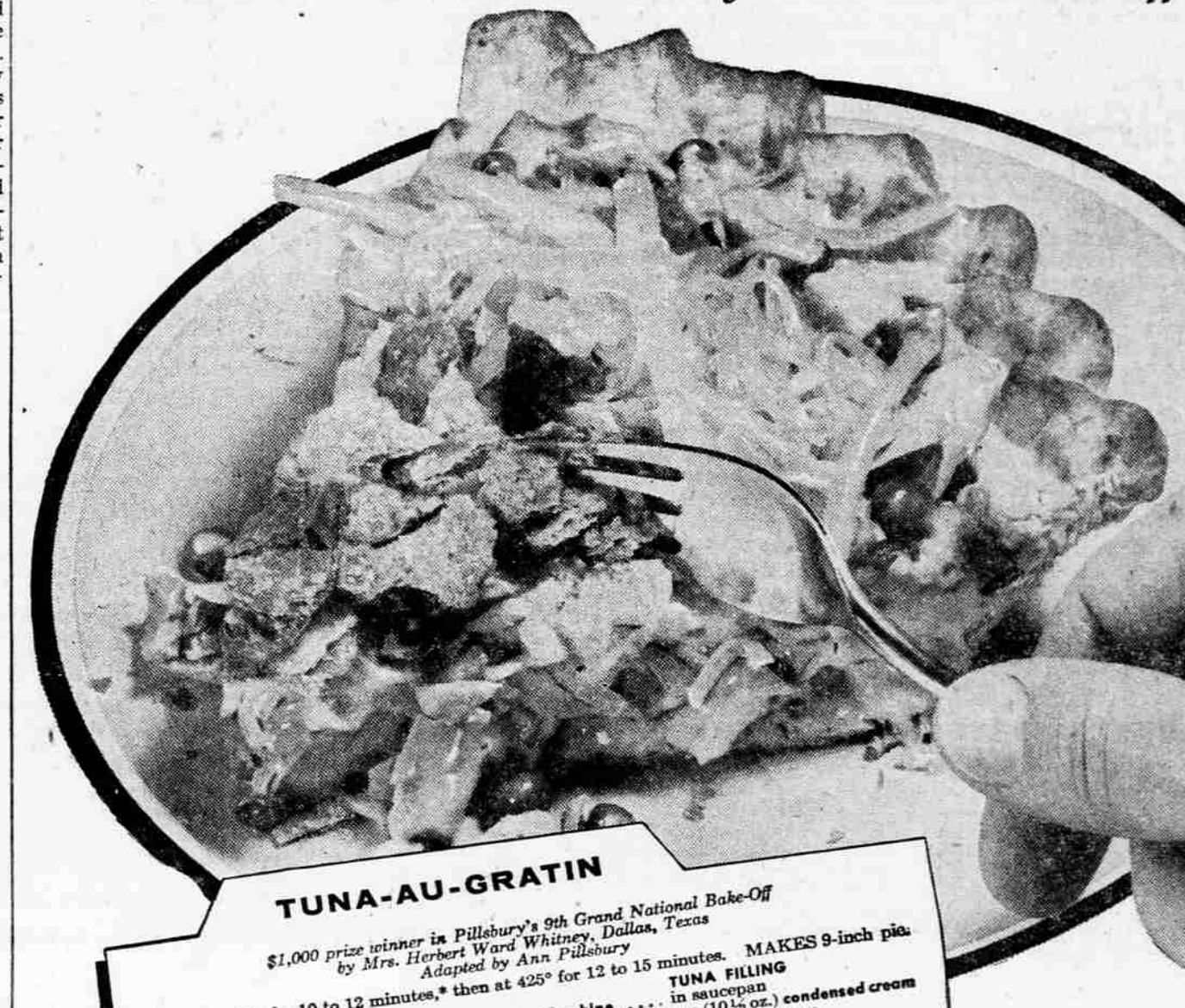
—The pro gives in to bad weather, bad roads, and traffic jams, and slows down.
—Would your coach send in a player who had been drinking? Well, it goes double for driving. Remember—a half-loaded driver is more dangerous than a loaded gun.

Burglary Reported On Murphy Road

James Lee Griffith, 1224 Hilton rd., reported to city police a break and entry at 864 Murphy rd. Tuesday morning. More than \$75 worth of door hinges and locks as well as other small pieces of hardware were taken from an uncompleted dwelling, it was reported.

The building was entered by an unlocked window, police said.

Discover hearty “Tuna-Au-Gratin”
A whole Lenten meal in one dish
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TUNA-AU-GRATIN
\$1,000 prize winner in Pillsbury's 9th Grand National Bake-Off by Mrs. Herbert Ward Whitney, Dallas, Texas
Adapted by Ann Pillsbury

BAKE at 450° for 10 to 12 minutes.
Sift together... 1½ cups sifted Pillsbury's BEST All Purpose Flour* and ½ teaspoon salt into mixing bowl.
Cut in... ½ cup shortening until particles are fine.
Sprinkle... 4 to 5 tablespoons cold water over mixture, tossing with fork until dough is moist enough to hold together.
Form... into ball. Flatten to ¼-inch thickness; smooth edges.
Roll out... on floured surface to ¼-inch thickness. Fit loosely into 9-inch piepan. Trim pastry from edge of shell and place extra pieces in small baking pan; fold edge to form a standing rim; flute. Prick generously with fork.
Bake... crust and pastry pieces in hot oven (450°) 10 to 12 minutes until light brown. Crumble pastry pieces for a crumb topping.

Combine... 1 can (10½ oz.) condensed cream of mushroom soup, ½ cup milk, 2 tablespoons flour and 2 tablespoons onion flakes. Cook until thickened.
Add... 1 package frozen peas, thawed and drained, 2 cans (8½ oz. each) Chicken of the Sea Brand Tuna** and 1 can (4 oz.) pimiento, chopped. Bring to boil. Turn into baked pie shell.
Sprinkle... 1 cup shredded Kraft American Processed Cheese over filling. Top with pastry crumbs.
Bake... in hot oven (425°) 12 to 15 minutes.

*For use with Pillsbury's BEST Self-Rising Flour, omit salt and decrease water to 3 to 4 tablespoons. Decrease baking time to 8 to 10 minutes for pastry.
**Or use Chicken of the Sea “family size” can (9½ oz.).

To help you discover this delicious one-dish Lenten recipe

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