

# Forty Fair Reflections



Beautifully mirrored in the placid pool of the Court of Flowers is the massive Triumphal Arch at the 1940 Golden Gate International Exposition. Decked in its finest holiday dress, and literally covered by thousands of blossoming flowers, Treasure Island will open its portals to the world, May 25.

Exasperated wife: "The night before last you came home yesterday. Last night you came home today. If you come home this evening tomorrow night, I'm going straight home to my mother!"

### 54 BILLION DEFICIT

The total deficit from depression prices of American farmers and producers of basic commodities has amounted to \$4-billion dollars in the last decade—even more than our present enormous public debt. This represents \$4-billion dollars of destroyed purchasing power, alongside of it is a comparative national income drop.

### CIRCULAR TELL HOW TO KILL WEEDS

More complete directions for preparing and applying the new lawn weed killer which destroys broad-leaved weeds while helping lawn grass have just been issued by the O. S. C. experiment station as Circular No.

### Estate of Alfred William Muchow NOTICE TO CREDITORS

In the County Court of the State of Oregon for The County of Washington, ss

Notice is hereby given, that the undersigned, J. L. Gray, has been appointed administratrix of the estate of Alfred William Muchow deceased, by the above entitled Court. All persons having claims against said estate are hereby notified to present the same, duly verified, as by law required, to the undersigned at the office of E. J. McAlear, at Hillsboro, Oregon, within six months from the date hereof.

Dated and first published, June 21, 1940. Date of last publication, July 19, 1940.

J. L. Gray administratrix for the estate of Alfred William Muchow, deceased. E. J. McAlear, attorney for said estate. pd. ad.

### NOTICE TO CREDITORS In The County Court Of The State Of Oregon, For The County Of Washington

In The Matter Of The Estate Of Wilhelm Carl Matzke, Deceased; Account No. 5111

Notice is hereby given that the undersigned, Alfred Nilsen, has been appointed administrator of the estate of Wilhelm Carl Matzke, deceased by the County Court of the State of Oregon for Washington County, and has qualified. All persons having claims against said estate are hereby notified to present the same, duly verified, as by law required, to the undersigned at 712 Sweetland Building, Portland, Oregon, within six months from the date hereof. Dated and first published, June 14, 1940. Last publication, July 12, 1940.

Alfred Nilsen, Administrator. A. C. Allen, Attorney, 712, Sweetland Building, Portland, Oregon. Paid Adv. 29-30-31-32-33

according to Harris, the results so far have been so striking that the best methods now known for lawn weed control are being given to the public.

The directions for preparing the material call for dissolving one-third pound of Sinox in one gallon of water and one pound of ammonium sulphate, separately

in 1 1/2 gallons of water. The dissolved ammonium sulphate is then poured into the Sinox solution, while the latter is stirred vigorously. This combined solution is then applied with any kind of a sprayer that will produce a fine mist.

The 2 1/2 gallons is enough to cover approximately 250 sq. ft.

where an over-all spraying is necessary. Where the weeds are in scattered patches, or growing only in spots, it is desirable to spray only the weed patches by thoroughly wetting the leaf surfaces.

The material has been found effective on all kinds of plants; and the various dandelions, hip clover, Japanese clover, moss

and most broad leaved, and soft-leaved types of weeds. Successful treatments have been made from early May throughout most of the summer when the weather is clear and not exceedingly hot. In hot weather, some burning of the grass occurs, but in every case it has recovered and grown better than before the treatment.

## Science In The News

By ORSON D. MUNN, L.H.B., LL.B., Sc.D.  
Editor, Scientific American

Science has proved that the chief human factor in automobile driving safety is alertness and that the greatest enemy of this is fatigue. Even a moment's loss of alertness while driving may result in disaster.

Scientific investigators have therefore staged tests on the effect of fatigue on driving safety. Recently such substantial institutions as The National Safety Council and the Northwestern University Traffic Institute have made exhaustive studies of the relation of fatigue to night-driving accidents, while other valuable studies have been originated and supervised by Dr. Andrew H. Ryan, a national authority on the causes and consequences of fatigue.

These studies have revealed that about 60% of all fatal accidents occur at night. These figures are all the more impressive when one considers that night traffic equals only about one-fourth of day-time traffic, bringing night accidents to about six times as many in proportion to the volume of traffic.

Furthermore, the investigators ascribe the majority of night accidents to fatigue and have developed detailed charts showing the percentage of "driver-asleep" accidents at various hours of night and day.

In line with these scientific findings, one nation-wide automobile service system has just announced the inauguration of all-night, coast-to-coast service by its dealers during the summer months when night driving is at its peak, which should prove a positive contribution to night-driving safety. The Texaco Dealer announcement said:

"Fatigue and the carelessness induced by the monotony of long expanses of highways without a stopping-place should be sharply reduced for the all-night rest-room

service enables the driver to pause and relax. The facilities for freshening-up and the opportunity to stretch contribute greatly in enabling the driver to resume his trip alert and wide-awake, with every faculty sharpened for the maximum of safety on the road.

"The dangers of running out of gas or developing motor or tire trouble miles from any open service point and the resultant mental hazard which these possibilities create in the minds of drivers should also be greatly modified by the inauguration of Texaco all-night service."

Among the interesting facts which scientific investigators have revealed are that driver-asleep accidents start from a low point of 1% between 6 and 9 P.M., rise by midnight to from 4% to 6%, and reach a peak of 12% between 2 and 5 A.M. There follows a sharp decline to 2% between 6 and 8 A.M., a slight rise to nearly 3% at about 3 P.M. and a rapid rise beginning at 9 P.M. and reaching its peak at about 4 A.M.

Among the methods used to determine driver fatigue were tests for hand-eye coordination; color-naming tests; tests of the effect of a 300 mile drive on the driver's postural steadiness; tests for visual efficiency after a day's drive, since the eye does not function well when one is fatigued, and the vascular-skin reaction test. This last and most interesting test is based upon the fact that the blood vessels in the lower layer of a person's skin contract under irritation of the outer skin and the discoloration lasts longer than normal when one is fatigued. Thus the degree of fatigue may be ascertained by timing the period of contraction.

It is to be hoped that in the service systems will also be inaugurated all-night service.

## News ODDITIES

### FINLAND REBUILDS -

FIRST TO EMERGE FROM THE WAR, THE TINY REPUBLIC BRAVELY TACKLES THE TASK OF RECONSTRUCTION -



FILMS SHOWING WAR'S HAVOC WERE SENT TO THE WORLD'S FAIR IN N.Y. THROUGH CHINA BECAUSE OF THE EUROPEAN WAR



FINLAND EMPLOYS A DECENTRALIZED BUILDING SYSTEM COMBINING INDUSTRY AND AGRICULTURE



THE NATION'S MASTERLY RECONSTRUCTION PLAN IS SHOWN AT THE N.Y. WORLD'S FAIR FINNISH PAVILION - HOMES FOR 500,000 HOMELESS AND THE REPAIR OF THE TRANSPORTATION SYSTEM ARE AMONG HER VAST PROBLEMS.

WAR DESTROYED THE TECHNICAL UNIVERSITY AT HELSINKI AND ITS VALUABLE EQUIPMENT - THE BRAVE FINNS SEEK TO REBUILD AND, IN THE MEANTIME, NEED THE HELP OF THE WORLD'S DEMOCRACIES IN PROVIDING SCHOLARSHIPS FOR RECONSTRUCTION TECHNICIANS



# AMERICA! CAVALCADE OF A NATION



"AMERICA! CAVALCADE OF A NATION"—such is the title of the greatest production ever seen in the United States. The Theme Spectacle of the Golden Gate International Exposition is a gripping portrayal of the history of America from the time of the landing of Columbus in 1492. Shown above are: (1) George Washington (W. R. Peak) praying at Valley Forge; (2) Pilgrims attending church; (3) Abraham Lincoln (James Vanderweken) and Mrs. Lincoln, former Mary Todd (Jean Johnson); (4) A. L. Vollmann, producer of "Cavalcade" spectacle; (5) Roger Williams (Don Carroll) defending religious freedom in Salem; (6) A New Jersey farmer is forced to pay tax crossing the state border into New York; (7) Betsy Ross (Magdalena Devozoff) designs first Star Spangled Banner.