

Corrosion Blamed for Loss Of \$7 Billion in Industry

By REYNOLDS KNIGHT
Ever think of a rust spot as part of big business? Experts figure the loss to American industry each year from rust amounts to around \$7 billion.

For most of us, rust means an exhaust pipe or muffler to be replaced, a home plumbing failure, or perhaps replacement of tools and tricycles.

Semi-Finalists

Fifteen North High seniors have been named semi-finalists in the California State Scholarship competition, according to Dr. Richard D. Guengerich, principal.

The semi-finalists include Richard Carter, Janice Cohn, Scott Gordon, Linda Greenberg, Scott Hanlon, Yvonne Kriens, John Lemke, Patrick Reis, Marc Ruth, Randall Scheel, Stanley Sorenson

left outdoors. But for American businessmen corrosion means fuel and water losses, spoiled foods, disrupted transportation, and even slackening of electric power.

Companies most vulnerable to rust are, naturally, those with vast arrays of pipes and pipelines, such as chemical, oil, gas, and shipping firms where rust can not only ruin the pipes but also ruin the product. Furthermore, rust can weaken structural parts and, through failure, cause accidents, injuries, and even deaths.

BLACKOUT SALES — Municipalities and utilities in many parts of the country have sharply increased their purchases of jet-powered peaking and emergency power units as a result of last November's "Great Blackout" in the Northeast, it is reported

by Worthington Corp., a leading manufacturer of such units.

Figures compiled by the company indicate that sales of jet peaking equipment by all manufacturers in the three months after the blackout totaled about \$31 million. That's \$1 million more than the total for the ten months of 1965 prior to the blackout. "Even before the blackout, interest in jet-powered units had been increasing because they're far more economical than steam plants for peaking service and can help to minimize cost to the consumer. The blackout crystallized this interest into sales in many cases," said Frank J. Nunlist, Worthington president.

Unlike slow-starting steam plants, jet units can be on-line with full power within a few minutes, making them ideal for peaking and emergency

service. They use hot exhaust gases from aircraft-type jet engines to spin a turbine, which in turn drives an electric generator. Units currently in use range from 12,000 to 120,000 kilowatts, but far larger sizes can be built if necessary, Worthington said. Among the latest purchasers of Worthington jet-powered units are the city of Jacksonville, Ill., and the Puerto Rico Water Resources Authority. The company expects a continued high level of sales based on the large number of "solid inquires" received from municipalities, utilities and large industries.

THINGS TO COME — Aluminum foil tape for patching leaking downspouts, gutters, garage pails and air-conditioning metalwork. Tape is applied after area to be repaired is cleaned with steel wool.

Door signs for mothers of small children. Say "do not ring bell." "No milk today." "SHHHHH! Naptime." Cleaning tape for tape recorders. Plays through and cleans recording heads, guides, etc. Art-gallery type picture light for use in homes. Attaches to rear of picture and has adjustable reflector. Nylon closure for use on blouses, slacks, jackets or any garment. Has two sliding parts that form a secure lock. New titanium nails, highly resistant to sea water, chemicals and other corrosive conditions.

SAVINGS FROM DISCOVERY — The single research discovery of "dry-set" Portland cement saved American consumers more than \$30 million in construction costs in 1965, when an estimated 150

million square feet of ceramic tile were installed with "dry-set."

According to the Tile Council of America, "dry-set" is thinner, stronger and easier to use than conventional mortar. It got its name because chemicals added to it make it water retentive and eliminate the need for soaking tiles in water before being installed. The new mortar, first used in 1957, cuts installation costs by one-third or an average saving of more than 20 cents per square foot.

The Tile Council is the trade association of the nation's ceramic tile manufacturers.

stitutions with a more home-like atmosphere than is found in the usual mental hospital. It would accelerate treatment, according to the doctors.

Memorandum to drought-suffering areas: about 2 per cent of all the water on earth is locked in the ice of the Arctic and Antarctic. According to a leading heat specialist, heavy milk consumption by teenagers coupled with other uses of animal fats in childhood may possibly lead to later suffering from arteriosclerosis, or clogged arteries.

An application of sound waves is proving valuable in measuring the head size of unborn babies and thereby averting birth damage. Scientists now believe that cracks in the earth's surface smaller than a human hair may have been the first entry place for water that created the huge limestone caverns found through-

out the world.

BITS O' BUSINESS — Used machine tool sales in 1965 rose to a record high for the second consecutive year, according to the Machinery Dealers National Association. A private producer, says it now is selling 500,000 ounces of silver annually and expects to raise that total. With everyone talking about today's high employment rate, one economist insists we now have "full" employment and should act now to avoid inflation. Tightening supply-demand conditions created by the Viet Nam war are causing many industries to initiate allocations to their customers. Manufacturers of plastic drain, waste and vent pipe are staging a fight to have materials accepted in federally insured home construction.

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FRUIT PIES
• Apple
• Berry
• Peach
• Cherry
Ready to Bake
23¢ Family Size 20-oz. Ea.
Save 6c

Crisp, Fresh, Ready-to-Eat
CEREAL TRAY
Van Brode
Tray of 10 Individual Packages
29¢
SAVE 18c

Fresh, Sliced
BREAD
Large Loaf
Golden Ranch
51¢ for Regular 29c Size



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PILLSBURY CAKE MIX All Varieties SAVE 17c 15-oz. Avg. **3 FOR \$1**

DASH for Home Laundry 30c Off Label YOU SAVE 40c 9 -lb. ctn. **\$1.89**

FREE! V.O.S. Shampoo (40c Val.) with purchase of carton Chesterfield, Lark, L&M

Fresh! Tasty **Cracker Jack** Reg. Pkg. **3 FOR 25¢**

Margarine **NUCOA**... 2c Off Label 1-lb. Pkg. **29¢**

10c Off Label **Instant SANKA** 8-oz. Jar **\$1.59**

PYRAMID PARFAIT SUNDAES... In 51-oz. Plastic Cup **10¢**

SUNSHINE/Freshly Baked **Krispy Crackers** 1-lb. Box **35¢**

Choice of Flavors **METRECAL**... 8-oz. Can **29¢**

CASE-SWAYNE **GRAPEFRUIT JUICE** 48-oz. Can **43¢**

CASE-SWAYNE/With Pork **BLACKEYES** No. 303 Cans **2 FOR 29¢**

CASE-SWAYNE **Pinto Beans** No. 303 Cans **2 FOR 27¢**

BANANAS Firm, Golden-Ripe Finest Central American **10¢ lb.**

POTATOES U.S. No. 1 Grade **10-lbs. 29¢**

WHITE ROSE AVOCADOS Large Size Calavo Fuerte **2 FOR 25¢**

ONIONS U.S. No. 1 Brown Spanish **lb. 5¢**

TOMATOES Firm, Ripe Slicing **lb. 10¢**

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| Assorted Mix KNORR SOUP Pkg. of 2 39c | LUZIANNE COFFEE With Chicory 7-lb. Can 75c | Instant Starch NIAGARA 24-oz. Pkg. 49c | YUBAN Coffee 1-lb. Can 83c | Water Softener CALGON 16-oz. Pkg. 35c | MAXWELL HOUSE COFFEE 1-lb. Can 75c |
| Blue Label Corn KARO SYRUP Pint Btl. 33c | LUZIANNE INSTANT 10c Off 6-oz. 89c | Cat Food/Little FRISKIES 1-lb. Box 29c | Water Softener DUPONT SPONGES Pkg. of 2 29c | Guest Ranch Bat 4-roll TISSUE 12-oz. Pack 2 for 69c | MODERN Sanitary Napkins Pkg. of 12 39c |
| Chocolate Syrup BOSCO 12-oz. Jar 39c | LUZIANNE INSTANT 10c Off 6-oz. 89c | Baked B & M BEANS 25-oz. Can 39c | Greenwood Blood BEETS 30g Glass 27c | Kern's Grape JELLY 12-oz. Glass 29c | SNO-BOL Liquid Bowl Cleaner 18-oz. Bottle 29c |
| Nalley's 1XL HOT CHILI 15-oz. Can 39c | | Carnation Creamed TUNA 303 Cans 41c | Cary's Maple SYRUP 8-oz. Bottle 69c | Disinfectant Spray LYSOL 7-oz. Can 98c | |
| Tenderleaf/1/2c TEA BAGS Pkg. of 48 59c | | Glorietta Elberta PEACHES 303 Cans 29c | Jersey's Best CLAMS 4-oz. Bln. 69c | Facial Tissue/2-ply KLEENEX Box of 150 19c | |