

DEALERS DISPLAY NEW 1939 REFRIGERATORS

State Advisory Board Appointed by Governor

Salem, Ore., (U.P.)—Gov. Charles A. Sprague recently announced appointment of members to the state advisory board.

The board's duties are to cooperate with the employment service and assist in obtaining jobs for persons out of employment.

Appointed were Nate Boody, Portland, representing retail trade; John H. Smith, Portland, manufacturers; E. G. Ziegler, Hood River, canning and packing; O. E. Palmateer, Salem, veterans; Lillian Youngquist, Portland, youth; Elizabeth Pettenger, Oswego, women; C. C. Hockley, Portland, federal agencies; H. R. Mathis, Portland, labor; Orville Miller, Portland, timber industry; Ralph Peoples, Portland, C. I. O.; E. G. Bates, Garden Home, dairy; C. E. Gates, Medford, automotive; and H. A. Dick, Portland, associated contractors.

Two more members will be appointed to the committee later, the governor said.

Oregon Highway Costs Over \$287,000,000 Now

Salem, Ore., (U.P.)—Oregon highways and projects coming under the state highway department have benefited by \$287,443,014.58 since the department's inception in 1913, a recent survey by the department of state shows.

The sum of \$289,754,412.70 flowed into the road building department during the period, leaving a balance of \$2,311,398.21 on hand April 30, 1939.

Oregon's motor vehicle fuel tax was the chief source of revenue, bringing in \$94,455,887.76 for the 25½ year period. Other major sources of revenue included motor vehicle license fees, sale of bonds and accrued interest and cooperative federal aid.

MATCH BOOKS COLLECTED

Cleveland, O., (U.P.)—Anna Reany has sent more than 1,200 book matches to boys at the Soldiers' and Sailors' orphanage, at Xenia, O., to aid them in their collection—which now totals more than 6,000 varieties.

REFRIGERATOR NEEDS STUDIED

New Models Improved, Meet Demand

Cold Storage Unit Built To Give Speed in Freezing

The genius of the mechanical refrigeration industry has never better expressed itself than in the provisions it has made in this year's new models, for fulfillment of the function, the while it has moved brilliantly forward toward the elimination of the bothersome business of covering dishes and wrapping things in waxed papers, as has been the custom of the past.

This has required major improvements in cold making machinery and evaporators and in the all-important control of humidity within the food storage sections.

This same genius has likewise brought about the development of miniature "cold storage plants" within the refrigerators themselves to answer the growing demand for temperatures low enough to safely store the new and increasingly popular "quick frozen foods."

This new cold storage capacity also makes possible the storing of packaged ice creams for reasonably long periods, and that of course, means less rushing around to corner stores for one of our most favored, but at the same time one of our most delicately constituted desserts.

Likewise this new cold storage capacity of the 1939 refrigerators has greatly enhanced the speed with which ice cubes can be made and the convenience with which they can be stored all day long in anticipation of the afternoon or evening party.

Thus, in greatly extending and developing the basic function of the refrigerator, the industry has introduced a new standard of economy in household management, for a greater variety of foods can now be bought at a single visit to the market to be stored safely for use over a longer period of time.

Quantity purchases, as every housewife knows, lead to economy and equally important to her in the diminution of the frequency with which trips need be made to market when the new refrigeration equipment is in the home.

These facts may in part explain a growing trend among consumers toward the replacement of old refrigerators now in the home with large size new models. They are rapidly learning that the mechanical refrigerator can be a self liquidating investment and one which in the end may actually show the family budget on the profit side of the ledger through the savings it effects.

The advanced standards of food preservation in the new models are made possible through introduction of new type refrigerants; through introduction of glass partitions, doors and covers, for different sections of the refrigerator; through the already mentioned improvement in evaporators which take less moisture out of the air than before and through the refinement of the mechanism of the refrigerator.

This latter improvement also tends to add to the economy advantages of the new models for precision manufacture, elimination of extraneous parts, simplification of the devices, and reduction of friction, have resulted in the production of more powerful cold producing equipment at the same time that less current is required for normal operation.

Cold controls, now almost universally available, make way for selection of temperatures desired and automatic devices keep the refrigerator, once set, functioning steadily at wanted temperature.

These major improvements, virtually all designed to enhance the major function of the refrigerator as a place in which to store foods, now means that the crispness of delicate lettuce may be more successfully preserved, that left overs wanted for another meal will hold their flavor and health value better, that fresh meats in large quantities may be kept for longer periods without sweating away their nutrition value, that ice cubes may be produced and stored in quantity, and that frozen desserts may be made, and all of this simultaneously in the same refrigerator, at a new minimum of effort and expense.

NEW REFRIGERANTS
New refrigerants introduced into the new 1939 mechanical refrigerators have aided materially in enhancing the efficiency of the new models.

Tempt Summer Appetites



Salad bowls like this one will bring a gleam of anticipation to the most heat-weary diner. Mechanical refrigeration has made meal planning during hot weather a joy instead of a burden.

REFRIGERATOR IS LOW IN PRICE

Family Size Units Are Well Designed

Widespread introduction of specially designed family size refrigerators to sell at prices that are the lowest in the history of the manufacturers presenting them, for their size, is an important feature of the current presentation of new 1939 models for the home.

These new low cost models are virtually all of the six cubic-foot capacity. This size, long experience has shown is normal for the average size family.

Mechanically, the same careful attention has been given to their design as has been given to the design of the higher priced de luxe models.

For the most part manufacturers are endowing them with the same type of cold making equipment that is being used in the more expensive makes. Provision for the manufacture of ice cubes in ample quantity is included in these lower priced models as is provision for making frozen desserts.

Careful attention has been given to shelving arrangements to make the storage space efficient. High quality insulation is being used in all of the low priced models to insure economical operation. Choice materials are used for both exterior and interior surfaces, and from the standpoint of design it is evident that the same thought has been lavished on these models for the sake of appearance as on more expensive ones.

There have been lower priced refrigerators than are these new family size models, but in the past the lower priced boxes have failed to give families the capacity needed as against the investment the family could afford to make for a refrigerator.

With these new low cost models available, there is now no reason why any family need forego the advantages of modern mechanical refrigerators. Term payment plans make them easy to acquire and the economies in household management that mechanical refrigeration make possible will go a long way toward helping to pay for them.

RUBBER-GLASS NEW INVENTION

Lactic Acid of Whey is Source of Product

Washington (U.P.)—Government scientists have developed a "rubber-glass" from lactic acid of whey, a

little-used milk by-product, that can be manufactured cheaply.

Bureau of dairy industry chemists said the new discovery for making the transparent, rubber-like substance may afford the dairy industry a source of additional income from what now is commonly a waste product.

The new product, they said, has many promising uses in various industrial operations. They believe the cheapness of their process will contribute to increased use of milk by-products.

Known to chemists as polymethylacrylate, the water-white and semi-solid material is closely related to the so-called organic glass made synthetically and used for highway reflectors.

Like Rubber and Glass

It is softer and more flexible than organic glass, however, but is very tough and elastic. It has many of the characteristics of a combination of rubber and glass, and may replace both for some uses.

Laboratory results obtained by Lee T. Smith and H. V. Claborn, chemists in the Dairy Research Laboratories, indicate that polymethylacrylate can be produced as cheaply from lactic acid by their method as it is now produced from ethylene or alcohol by the cyanhydrin process.

Because of their unique properties, polymethylacrylates are already in demand for many purposes. Their transparency, elasticity, toughness, ease of solubility and stability to sunlight and ultra-violet rays make them especially valuable in the preparation of lacquers, varnishes, inks, impregnated compounds and cements, scientists said.

Coating for Fabrics

They have an additional use as a supporting material, as in motor mountings. All types of fabrics, paper and other fibrous materials may be coated or impregnated with polymethylacrylates to make them resistant to water, oil and gases.

Fabrics treated with the product are useful in making ship's sails, balloon cloth and clothing for protection against poisonous gases. Treated paper finds many uses, especially in the electrical industry.

Unlike the related organic glass material, polymethylacrylate alone is not suitable for making molded objects, either by the compression or injection method. It can, however, be combined with the organic glass to make a molding material superior to any of the original compounds.

The scientists said that lactic acid can be extracted from the lactose, or milk sugar, of whey. More than 6,500,000,000 pounds of whey is produced in the United States annually and most of it used inefficiently or discarded.

Bulletin want ads bring results.

OCHOCO IS MAJOR MERCURY DISTRICT

War "Reserve" Is Ready in Central Oregon

Should war again grip the world, the quicksilver impregnated hills of the Ochoco country will loom large on the map of the United States. Lloyd W. Staples, geologist, predicted last night when speaking before members of the Deschutes Geology club in the Downing quarters. Staples made this prediction when reminding

his audience that the Ochoco area holds an abundance of quicksilver and that one of the world's largest mercury producing mines is in Central Oregon, on the Horse Heaven divide of Jefferson county.

Staples touched on the history of mercury through the ages, discussed the large operations at Almaden in Spain and mentioned the part the Almaden mines had played in the recent conflict that centered in the Spanish peninsula. Economics of mercury came in for attention.

The geologist touched only briefly on the Horse Heaven mines of Jefferson county, but displayed various of the mercury ores from the Oregon mine, operated by the Sun Oil Co. At

the conclusion of his talk on mercury mining, Staples showed a number of thin sections of agates and other semi-precious stones.

Emil Nordeen, newly elected president of the Deschutes Geology club, presided at the meeting.

Next Sunday, the amateur geologists plan to go into the Hampton butte country, to study ancient beds exposed high on the Hampton hills. The caravan will leave Bend, from the corner of Bond and Greenwood, at 7 a. m.

Italy ranks first among European producers of rayon and short fibers, making about 16 per cent of the world's output.

ONLY THE

STEWART-WARNER REFRIGERATOR

gives you more features for your money. It runs less, costs less, saves work and saves money!

BALDWIN PIANO CO.

YOUR STEWART-WARNER DEALER
112 Minnesota Martin Benson, Mgr.

WOMEN ACCLAIM THIS NEW NORGE!

NEW WAY OF MIXING COLD AND MOISTURE
KEEPS FOODS BETTER AND JUICIER!

GREATER COLD
GREATER MOISTURE SAVES FOOD
SAVES FOOD
SAVES FLAVOR
MIRACLE HAPPENS HERE!

C/M SYNCHRONIZER
"This is the kind of refrigeration I've been hoping to find for years!"

SEE THESE OTHER GREAT NEW NORGE FEATURES

FREE FREEZER... Near-Zero Temperature for more ice faster.
GLACIER-SEALED ICE COMPARTMENT... Pure Ice—No contamination. Only freezer sealed front and rear.
HAND-ROSTER... New easier defrosting—Simplest, surest, safest.
COLD-PAK... a real Cold Storage Plant for meats.
MOBILE SHELVES... Fully adjustable, sliding and removable storage space to fit your needs.

HYDROVOIR... Keeps vegetables garden-fresh and crisp.
ICE-O-BAR... Removes ice cubes—one or a dozen—Instantly and easily.
SPECIAL BOTTLE STORAGE... Slide shelf, take the one you want.
ALL ROUNDED CORNERS... for easy cleaning—Fully sealed, Lazilatch Doors.
DUO ROLLATOR MECHANISM... Norge invention that produces greater cold, greater moisture—simplest, surest... Warranted for 10 years.

NORGE 6 cu. ft. **NORGE**
C/M SYNCHRONIZER \$159.50

SEE NORGE BEFORE YOU BUY!

Square Deal Furniture Co.

Corner Bond and Minnesota Phone 324

RECONDITIONED DOMESTIC REFRIGERATORS AND ANY KIND COMMERCIAL REFRIGERATION PLANTS

PHONE for all REFRIGERATION REPAIR SERVICE

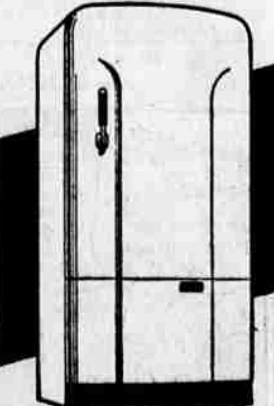
THE OREGON EQUIPMENT COMPANY

81 Oregon

LOUIS HILLIS, Manager

Bend, Ore.

888



Here's the refrigeration luxury you've always wanted... savings so great you can't afford to be without... that is the thrilling story of the new Westinghouse.

See this new, big, modern six cubic foot Westinghouse priced at only—

\$159.50

Douthitt's Electric & Sports Store

913 Wall Street

Phone 51

ACT NOW—COME IN TODAY... Look over these special values!

SEE THEM HERE

Bend Furniture Co.

CENTRAL OREGON'S HOME FURNISHERS

YEARS IN THE MAKING... NOW YEARS AHEAD!

Come in and see this
1939 FRIGIDAIRE WITH THE METER-MISER
WORLD'S FIRST "COLD-WALL" REFRIGERATOR!

Can be purchased on terms as low as 25c a day.

Built on An Entirely New Principle... Saves Food's Vital Juices from Drying Out!

Now for the first time—you can keep even highly perishable foods longer than ever before... and prolong their original freshness—their rich nutritional values—their peak fresh flavor!

See Proof—in 5 Minutes

Here, at last, is an entirely new refrigerator that saves not just your food, but the VITAL VALUES you pay for in food! Convince yourself in 5 minutes. See the rich beauty of entirely new cabinet design. See the new MEAT-TENDER for ideal storage of fresh meats. New SUPER-MOIST HYDRATORS that prolong vital freshness of vegetables. And many other big advantages! You'll be amazed that the "Cold-Wall" Frigidaire costs no more than ordinary "first-line" refrigerators!

Only Frigidaire has the Meter-Miser! CUTS CURRENT COST TO THE BONE—for it's the Simplest Refrigerating Mechanism Ever Built... and when parts aren't there, they just can't use current or water. Unseen, trouble-free, completely sealed in a permanent bath of oil. Comes to you with 5-Year Protection Plan backed by General Motors.



Claypool Furniture Co.

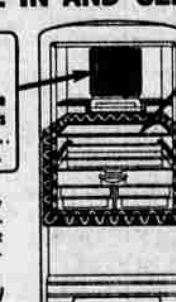
934½ Wall St.

(Next to Woolworth's)

Phone 218

COME IN AND SEE HOW IT WORKS

The Super-Freezer freezes ice and makes cold here... as usual.



NOW, FOR THE FIRST TIME
1. THE NEW "DEW-FRESH SEAL"—A SOLID GLASS PARTITION—DIVIDES THE CABINET INTO 2 COMPARTMENTS.

and
2. THE LOWER COMPARTMENT IS REFRIGERATED DIRECTLY THROUGH THE WALLS BY CONCEALED REFRIGERATING COILS.

● This provides all 3 essentials for keeping foods vastly fresher longer than ever before—1. Uniform Low Temperature. 2. 85 to 100% Humidity. 3. No Moisture-Robbing Air Circulation. All without adding a single moving part! AND ONLY FRIGIDAIRE HAS IT!