## Massachusetts Mix

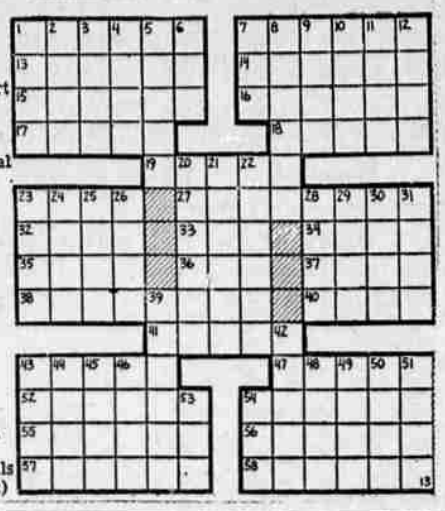
**HORIZONTAL**

1 Capital of Massachusetts
7 Massachusetts is nicknamed the "Old —— State"
13 Interstice
14 Several Indian —— made their homes in Massachusetts
15 Cure
16 Salad herb
17 Stage whisper
18 Flower
19 Mechanical man
23 Conjunction
27 Fondled
32 Hindu garment
33 Cravat
34 Oil (comb. form)
35 Girl's name
36 Winglike part
37 Collapse
38 Eased
40 Church part
41 Lamellirostral birds
43 Sacrificial block
47 Slightest
52 Irritator
54 Eye part
55 Natural
56 Opening device
57 Hate
58 Arid region

**VERTICAL**

1 Theda ——, silent screen star
2 Native metals
3 Half (prefix)
4 Provided with pedal digits
5 More aged
6 Negative vote
7 Clear title entry (ab.)
8 Embellished
9 Covers
10 Mortuary roll
11 Grandular snow
12 River in Belgium
20 Group of eight
21 One to whom goods are committed in trust
22 Mountain nymphs
23 Former Russian ruler
24 Possess
25 Seed covering
26 Unless (Latin)
28 Kind of couch
29 Blow with open hand
30 Lampreys
31 Charitable gifts
39 Herons
42 Run away to wed
43 Dry
44 Solitary
45 Color lightly
46 Wings
48 Befores
49 English queen
50 Soothsayer
51 Pastry
53 Rot flax by exposure
54 Massachusetts food fish

**Answer to Previous Puzzle**



## MODEST MAIDENS

Trademark Registered U. S. Patent Office

"OF COURSE HE'S A WOLF. WHY DO YOU SUPPOSE I PUT UP THAT EXTRA HIGH NET?"

## FUNNY BUSINESS — By Hershberger

"I developed a terrible headache last night—every time I drank one of the bosses prize concoctions I hit the ceiling!"

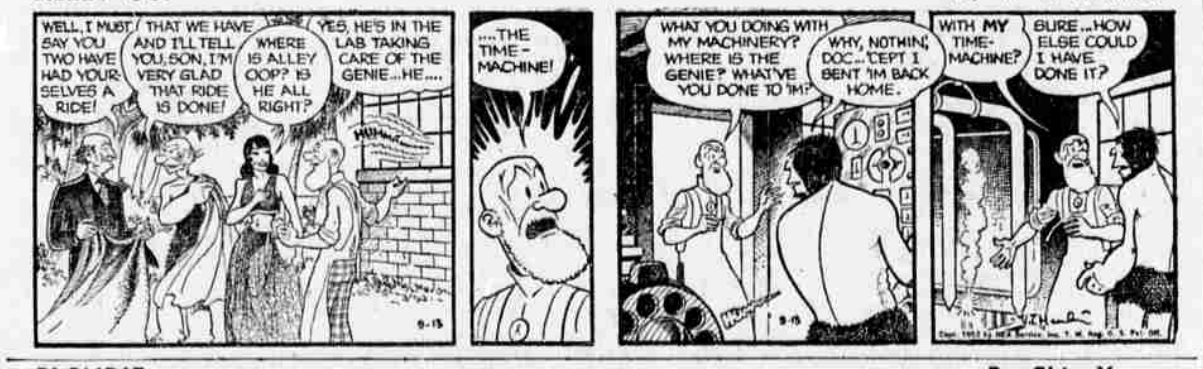
## FROM NINE TO FIVE — By Jo Fischer

With Vitriol there's only one way to get the last word . . . say "hello" and hang up!

## FRECKLES AND HIS FRIENDS — By Merrill Blosser

## LI'L ABNER — By Al Capp

## ALLEY OOP — By V. T. Hamlin




## BLONDIE — By Chic Young

# Douglas County Has Share Of Industrial Minerals

By FRANK W. VAILLE

WASHINGTON (AP) — The Bureau of Mines reports encouragingly on the potential production of industrial minerals in the Pacific Northwest.

Noting that such mining already is a multi-million dollar yearly industry in the Northwest, the bureau says in a new publication "since the region is self-sufficient in many minerals, the order of the future will be expansion."

Washington production of industrial minerals and their products have been valued in recent years between 24 million and 31 ½ million annually with Portland cement, coal, sand and gravel, stone, clay and clay products, magnesite and some 16 additional materials making up the list.

Oregon's annual production is valued at roughly $10,120,000 with Portland cement or sand and gravel usually leading the way, followed by stone, clay and clay products, lime, pumice, perlite and silica.

**Covers Known Deposits**

The publication, entitled "Industrial Minerals of the Pacific Northwest," covers known deposits of non-metallic minerals in Oregon, Washington, Idaho and Montana.

They include those used in building materials, insulation, fluxes, abrasives and other industrial items.

The bureau concedes that because of the region's traditional interest in the metallic minerals, information as to its non-metallic resources is sketchy. One purpose of the report is to stir up interest which may lead to a more complete inventory.

Oregon and Washington are second and fourth nationally in production of diatomaceous earth used largely for filters and insulation; Oregon is third among domestic pumice producers.

**Product Listed By County**

Oregon counties in which the various minerals are reported to be present—but not necessarily in commercial quantities—include:

Garnet—Curry, Coos, Baker, Grant, Wallowa.

Asbestos—Grant, Jackson, Baker, Lake, Malheur, Lane, Coos, Josephone, Douglas, Crook, Wheeler.

Barite—Baker, Douglas, Josephine, Lane, Wallowa.

Bauxite—Columbia, Washington, Clackamas, Polk, Marion.

Cement materials, including brick and tile—Baker, Polk, Josephine, Multnomah, Wallowa, Douglas, Deschutes, Jackson, Klamath, Lake, Lane, Malheur, Marion, Umatilla, Washington.

Common clay—Widespread, particularly in Willamette Valley.

Refractory clay — Columbia, Yamhill, Clackamas, Marion, Lane, Douglas, Jackson, Josephine.

Diatomite — Baker, Clatsop, Crook, Deschutes, Grant, Harney, Jefferson, Klamath, Lake, Malheur, Sherman, Union, Wheeler.

Feldspar — Jackson, Harney.

Fluorspar — Wallowa.

Graphite — Douglas, Harney, Jackson.

Gypsum — Wheeler, Crook, Grant, Union, Baker, Harney, Jackson, Josephine.

Limestone — Widespread.

Magnesite — Josephine, Coos.

Dolomite — Union, Umatilla.

Serpentine — Grant, Baker, Jackson, Josephine.

Mica — Douglas, Jackson.

Peat — Baker, Coos, Deschutes, Harney, Klamath, Lane, Marion, Washington.

Silica and silica-sand — Baker, Douglas, Grant, Harney, Jackson, Josephine, Lane, Umatilla, Wheeler.

Stone — Widespread.

Talc — Douglas, Grant, Jackson, Josephine.

# Plenty Titanium, But Not In Pure State, In Klamath

KLAMATH FALLS (AP) — Dangle a little pocket magnet over some of the dark pumice sands on the eastern edge of the Klamath Indian reservation, and up pop grains of a costly metal.

It's titanium—but not, unfortunately, in the pure state.

E. J. Diehl, reservation superintendent who is a self-styled jackleg prospector, reports finding many areas in which titaniferous magnetite exists. It is in the region between the communities of Kirk and Lenz. There as elsewhere thousands of acres are covered with pumice sand from the explosion of Mt. Mazama 5,000 years ago. That explosion created Crater Lake.

Titaniferous magnetite is one of the ores in which titanium is found. Titanium is resistant to heat, is 40 per cent lighter than stainless steel and just as strong. It is valuable for use in jet engines.

But F. W. Libbey, director of the Oregon Department of Geology and Mineral Industries, said in Portland that getting titanium out of titaniferous magnetite isn't easy. It takes a lot of know-how and a lot of costly processes.

Some big companies are extracting it at a cost of around $4 a pound, he said.

Whether the Klamath area sands have it in sufficient concentration to be interesting to a commercial producer is one of the things Diehl would like to learn. He said he was going to ask the U. S. Geological Survey to look into it.

Meanwhile, anybody with a magnet can gather grains of the raw material.

## Portland's Grid System Reduces Wrecks, Claim

CHICAGO (AP) — Fred T. Fowler, city traffic engineer at Portland, Ore., reported Wednesday that a one-way street system in his city's business district had saved $540,000 in accident reduction.

That is a 45 per cent decrease from accident costs in 1949, the last year the two-way traffic system was in operation, he told the Institute of Traffic Engineers meeting here.

# Strand Forsees College Student Number Increase

OREGON STATE COLLEGE, Corvallis — The tremendous influence for good being exerted by land-grant colleges abroad and the need for careful planning at home to meet the expected rush of college students in the next 10 years were emphasized by President A. L. Strand here Thursday.

Speaking at the traditional all-staff meeting which signals the opening of the new school year, President Strand said he foresees an enrollment of at least 8,000 students at OSC in 1960. To adequately meet the needs of that group of young people will require constant preparation on the part of the staff, he emphasized.

The college president paid special mention to the large number of OSC staff members who have been helping foreign governments in the development of their national resources and institutions.

Efforts of staff members from OSC and other land-grant colleges are bringing "real and practical value" and a spirit of American progress and independence throughout the world, he said.

In his report to the staff, President Strand noted the substantial progress being made in physical plant facilities. He pointed out that in 1942, the estimated value of the campus plant was $9,350,000. "Today, bolstered by the addition of 8 major buildings the value is set at slightly more than $25,000,000.

Fifty-six new appointments have been made to the staff during the summer as replacements for staff members who have retired and resigned. The newly created position of forest soils scientist at OSC came in for special mention because of its importance in helping to maintain and develop Oregon's vast natural resources.

## No Bids Are Received For Savage Rapids Dam

BEND (AP) — No bids were submitted by Thursday's deadline for preliminary work in rebuilding Savage Rapids Dam on the Rogue River in Southern Oregon.

J. W. Taylor, construction engineer for the Bureau of Reclamation here, said the work was to be done this fall in preparation for the main job which is to begin in the spring.

Taylor said it had not been decided whether to issue a new call for bids or wait until spring.

Originally the cost of rebuilding the dam was placed at $700,000 but rising costs have now boosted the figure to $850,000.

A vote is scheduled Sept. 26 in the Grants Pass Irrigation District on whether property owners want to approve the higher cost.

**CHRISTMAS COMING**

WASHINGTON (AP) — Fret not if the heat of Indian summer has you down. The Christmastide, with its cold and snow, is on the way.

This became official Friday. The Department of Defense got out a statement reminding Americans that Christmas parcels for the armed forces overseas should be in the mail by Nov. 15.

## Puget Sound Power Co. Approves Sale To PUD

SEATTLE (AP) — Puget Sound Power and Light Co. directors voted Friday in favor of a six-county Public Utility District plan to purchase most of the firm's properties.

Frank McLaughlin, president of the firm, said the directors' recstockholders' meeting, which proommendation will be sent to a ably will be held late in October.

The plan calls for the purchase of P. S. P. and L. properties in all but Whatcom County. The Whatcom PUD commissioners refused to go along on an original seven-county purchase plan.

The six-county offer is $89,490,000. The counties propose to issue 107 million dollars of revenue bonds for the purchase and other financing.

Proposals for joint PUD purchase of the Puget Sound Company has been hanging fire and had been in and out of the courts and the legislature for several years.

## Swollen Texas Streams Recede

BOERNE, Tex. (AP) — Swollen South Texas streams crept back to their banks Friday after killing at least seven persons and driving hundreds out of their homes. Danger of more flood damage ebbed with the muddy overflow.

The 2 ½ days of rain that totaled up to 23 inches and sent creeks and rivers boiling out of their banks, were over, the Weather Bureau said.

Heavy rains that hit Brownsville in the 24-hour period ending at 6:30 a.m. apparently were the last of the big deluge.

The weather bureau reported a 3.16-inch fall at Brownsville.

Seguin, New Braunfels and other points along the Guadalupe River set about the job of cleaning away muddy debris.

An estimated 100 people were homeless in New Braunfels. The American Legion provided housing.

## Tips Given On How To Use False Teeth

ST. LOUIS —Need some tips on how to learn to eat with false teeth—even corn on the cob and apples?

Dr. Arvin W. Mann, Ft. Lauderdale, Fla., told the American Dental Association today the process "might be likened to learning to drive a car or to cook."

Here's the procedure:

Learn to tolerate false teeth before trying to chew with them.

Start on soft foods.

Add coarse foods as soon as pressure on gums can be tolerated.

As for apples and corn on the cob, Dr. Mann said, the denture wearer will bite in reverse of the way persons with natural teeth do. The food should not be pulled outward or the dentures will be dislodged, he said.

**SPITFIRE CRASHES**

ATHENS, Greece (AP) — A Greek Air Force Spitfire crashed into a village on the outskirts of Athens Friday, killing the pilot and two children playing in the street.


# Business Directory

**MISCELLANEOUS**

Fuller Brush Co. Ph. 3-3659

Oregon Scenic Notepaper. Artist, Amy Robinson. On Sale Church's, Bee Hive and Roseburg Book Store.

**PLUMBING**

Morris Plumbing and Heating. 95-97 Parrott St. Dial 3-7003.

Kier-Crooch Plumbing Co., 230 North Stephens. Phone 3-5377.

Harris Plumbing & Heating Co., 805 South Stephens. Phone 3-8173.

Mardorf Plumbing. Phone 3-8732, Winchester.

Coen Supply Co. Phone 3-4461.

Terp's Plumbing. Phone 3-7266.

**WASHING MACHINE SERVICE**

Bergh's service all makes of washing machines, dryers, ironers, refrigerators. Ph. 3-8348. 1200 So. Stephens.

Washing Machine Service Rusty's Appliance Repair, 510 N. Jackson. Phone 3-3091.

**RADIO SERVICING**

Hansen's Radio Service, Sutherlin.

Radio Doctors. Phone 3-7456. Free Pickup and Delivery. 408 W. Lane.

Hargis Electric Co., 112 E. Cass. Radio & Appliance Repair.

**ELECTRICIANS**

RIDENOUR ELECTRIC. 1600 North Stephens. Phone 3-7303.

Dufresne Electric. Phone 3-5222.

**HEATING**

Heating Service. R. Ritzman Oil Burner Sales & Service. Dealer for Jungers Blue-Fire heater. 1703 Brown. Phone 3-8267.

Ashley Thermostatic wood heaters. 1349 Military. Phone 3-4009.

**ELECTROLUX CLEANERS**

Cleaner and Air purifier - Sales, Service and free demonstrations. 102 W. Commercial Ave. Ph. 3-3591, J. E. Newberry, Salesman.

**FLOOR COVERING**

Philip M. Durnam, Sales & Installation of Floor Coverings. 566 W. Oak St. Phone 3-6123.

Bob Allen, Floor Covering Installation Contractor. All types. Ph. 3-8234.

**DECORATORS**

Painting and Paper Hanging. H. E. "Woody" Wood. Phone 3-4240.

**ROOFING**

Roofing and roof repairing. Insulation, siding. Ph. 3-8255. Acme Roofing Co.

**FIRE EXTINGUISHER SERVICE**

Fire Equipment Co., 220 N. Main. Glenn H. Taylor. Ph. 3-7134.

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