

ALUMINUM FROM NORTHWEST AIDS IN WINNING WAR

Vast Magnitude of Industry Only Recently Revealed—Power Requirement Huge.

By John W. Dunlap
United Press Staff Correspondent
Portland, Ore., Nov. 1.—(UP)—The aluminum industry in the Pacific northwest is one of the big reasons why the Allies are winning the war—and why the post-war world will have the advantage of the light metal for better living.

Now that the magnitude of the industry is being revealed in the northwest states—such as the huge Troutdale reduction plant of the Aluminum Company of America, near Portland—there is little doubt of the end-use of the popular metal when peace comes. Hundreds of expert craftsmen will be ready to step from war work to home front production.

Cost Drops
The cost of aluminum has dropped from \$545 per pound in the days of Napoleon III to the present 15 cents per pound. Perfection of the electrolytic method of producing aluminum is the reason why modern reduction plants are located near such tremendous electric power generating projects as Bonneville, Grand Coulee, Niagara Falls and the Tennessee Valley Authority.

Who would think that the electrical energy consumed in one day by the aluminum industry would be enough to supply a city of 80,000 homes for one year? The Troutdale plant alone—a sprawling city of 585 acres with enough roofed working space to contain 40 football fields—uses more power than the entire city of Portland with its shipyards and war industries.

Planes Use Most
Right now Alcoa company and other aluminum makers are working for war 24 hours per day. More than 75 per cent of the average weight of a war plane is aluminum. The average pursuit plane calls for 4000 pounds of the metal, a medium bomber takes 11,000 pounds, and B-29 bombers go into a heavy bomber. Naval vessels have endless use for the shiny metal.

Countless other military uses include cooking utensils, engine parts, pontoon boats, temporary bridges, searchlight housings, equipment to make nylon for parachutes, and foil for wrapping food.

It won't be long—as close as the end of this year—and the United States is going to have the capacity to produce, annually, more than half again as much aluminum as the whole world ever produced in a single year before the start of the war. The production per year will amount to more than two billion, one million pounds, some seven times the typical peacetime year of 1937.

Vast Amount
Just how much aluminum this will be is illustrated by the fact it would be enough to place a 30-piece high-quality cooking utensil set into every one of America's 34,000,000 homes, with enough left over to make 1,000,000 miles of the big aluminum transmission cable used by power companies.

Making aluminum is an involved process, requiring nine pounds of other material to get one pound of the pure metal. The basic bauxite ore—most common and profitable source of aluminum—must be mined and refined. This crushed ore is reduced to a white powder known as alumina, which in turn is shipped to such plants as the Troutdale reduction plant, accessible to large power outlets.

The alumina powder is mixed with a substance called cryolite in an electrolytic cell and a powerful electric current dissolves it, leaving pure aluminum. This is fabricated into any desired form.

NEW CABINET PUTS KING EMMANUEL IN AWKWARD SPOT

King's Position Awkward as Cabinet Members Drawn from Opposition

Naples, Nov. 1.—(UP)—Premiere Marshal Pietro Badoglio left Naples today to report to King Victor Emmanuel on the formation of a new cabinet including a number of anti-monarchist elements.

There was no immediate indication of the personnel of the coalition cabinet, but its members presumably would be drawn from the sixth recently-recreated Italian political parties, among which are several left-wing groups opposed to the monarchy.

Badoglio left Naples shortly after Count Carlo Sforza, repatriated political leader, had announced his willingness to cooperate with him in a new government.

The King was going to be put in the awkward position of having to approve a cabinet including ministers favoring his abdication.

Sforza emphasized that his cooperation would endure only until the Germans had been driven from Italy.

HANNA RETURNS TO COURT DESK

Circuit Judge Herbert K. Hanna, who was threatened with pneumonia last week, was discharged yesterday and was back at his desk today.

Circuit Judge Herbert K. Hanna, who was threatened with pneumonia last week, was discharged yesterday and was back at his desk today. Judge Hanna was sent to the hospital last Tuesday with a potent infection of one lung. Use of sulfadiazine cleared the complication speedily.

There are plenty of civil actions pending in circuit court but none have been set. The petit jury of 31 names drawn a week ago has dwindled to 10, due to 14 being excused for various reasons, the county clerk's office reported today. When the calendar is made up a special venire will have to be drawn. No date has been set for reconvening of the grand jury, Earl C. Gaddis, foreman. It adjourned a week ago after a short session.

RACKETEER TRIAL IS DELAYED BY ILLNESS

New York, Nov. 1.—(UP)—Resumption of the trial of eight Chicago racketeers and a Newark, N. J., labor leader for extorting \$1,000,000 from the motion picture industry was postponed today until Wednesday because of the illness of Special Assistant U. S. Attorney General Boris Kostelanetz.

BIRTHS

CLEMENT—To Mr. and Mrs. Vernon D. 18 South Columbus, Medford, Oct. 30, a girl, Donna Jean, 5½ pounds, at Community hospital.

JANTZ—To Mr. and Mrs. Harold, 1325 Bundy street, Medford, Oct. 30, a boy, 10 pounds, at Sacred Heart hospital.

Daily Meteorological Report

Medford and vicinity: Cloudy and warmer today and tonight.

Oregon: Increasing cloudiness west portion today and central and east portions tonight. Warmer tonight.

Local Data

Temperature a year ago today:
Highest 62, lowest 49.

Total monthly precipitation 0 inches. Excess for the month, 0 inches.

Total precipitation since September 1, 1943, 3.58 inches. Excess for the season, 1.56 inches.

Tomorrow
Sunrise 7:45 a. m., sunset 6:04 p. m.
Observations taken at 4:30 a. m., 120 meridian time:

Point	24 Hr. High Temp.	Lowest Temp.	Precipitation
Boise	46	28	0
Boston	52	38	0
Chicago	66	45	0
Denver	48	18	0
Eureka	56	42	0
Helena	36	21	0
Los Angeles	78	38	0
Medford	53	31	0
New York	57	37	0
Omaha	51	34	0
Phoenix	76	44	0
Portland	54	34	0
Reno	54	16	0
Roseburg	56	37	0
Salt Lake	36	26	0
Seattle	70	41	0
Seattle	52	33	0
Spokane	44	25	0
Washington, D. C.	64	46	0

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Portland Produce

Portland, Nov. 1.—(UP)—Wholesale market prices:
Eggs—Prices to producers: B large, 45¢; A medium, 53¢; A small, 48½¢ doz.

Apples—Delicious, combination, box, \$3.38; Jonathans, combination, box, \$3.38; local Jonathans, face and fill, box, \$3.00; Gravenstein, combination, \$3.38; face and fill, \$2.90; Spitzenberg, combination, \$3.38 box.

Cranberries—Coast, \$5.57@5.90; Cook Bay, \$6.00 bushel box.

Grapes—Empire, Tokay, \$3.24.

Sweet potatoes—California 50s, \$4.40.

Tomatoes—No. 1, \$1.75 flat.

Chicago Wheat

Chicago, Nov. 1.—(UP)—Wheat:
Open High Low Close
Dec. —1.54½ 1.55½ 1.54½ 1.56½
Jan. —1.54½ 1.55½ 1.53½ 1.55½
July —1.51½ 1.52½ 1.51½ 1.52½

S. F. DAIRY PRICES
San Francisco, Nov. 1.—(UP)—Dairy market:
Butter—93 score 43; 92 score 42½; 89 score 41½.

Cheese—Wholesale prices, loaf 27½; triplets 27.

Eggs—Large grade A 58; medium grade A 54; small grade A 48½; large grade B 48.

Livestock

Portland, Ore., Nov. 1.—(UP)—Cattle, 2000, calves, 500 Steers steady, other classes weak. Some bids 20¢ lower. Few loads good steers, \$14.00@14.25; bulk steers, \$11.75@12.25; common down to \$9.00; common-medium beefers, \$8.00@11.50; few good beef cows, \$10.00@10.50; good beef bulls to \$10.00; good-choice vealers steady at \$12.50@14.50; liberal supply game calves, \$10.00@12.00.

Hogs, 3400. Market 25¢ lower than Friday. Good-choice 185-225 lbs., \$14.00@14.25; 240-290 lbs., \$13.25@13.50; good sows steady, \$11.50@12.00; many feeder pigs unsold, sale \$10.00@11.00.

Sheep, 2000. Fat lambs 26-50¢ higher, others steady but culls unsold. Good-choice wooled lambs, \$13.25; truck-lambs held \$12.50@12.75; good eastern Oregon feeders, \$11.25; good ewes, \$4.50@5.00; common down to \$3.25.

Wall Street

New York, Nov. 1.—(UP)—Stocks made an irregular decline today as the text of a joint communique announcing results of the Moscow conference was published.

The gold mining group was in the forefront of the stocks that appreciated in value.

Today's closing prices on selected stocks:
American Tel. & Tel.156¼
Anaconda 26¼
Chrysler 79¼
Curtis Wright 7¼
General Electric 36¾
General Motors 52¾
Montgomery Ward 44¾
Penn. R. R. 26¾
Phillips Petroleum 46¾
J. C. Penney 96¼
Radio 10¼
Southern Pacific 25¾
Standard Oil Cal. 38¾
Texas Gulf Sulphur 36½
Transamerica 8¾
United Aircrafts 29¾
U. S. Rubber 41¾
U. S. Steel 54¾

ORANGE RULE ASIDE
San Francisco, Nov. 1.—(UP)—The Food Administration today announced termination of an orange set-aside order affecting Arizona and California orange handlers, Merritt Clevenger, regional administrator, said.

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Gold Hill

Gold Hill, Nov. 1 (Spl.)—Mr. and Mrs. W. I. Kesterson of Klamath Falls, accompanied by their daughter S/Sgt. Dorothy Elaine Kesterson, WAC from Ft. Monmouth, N. Y., and also their son, Wilbur Leon, U. S. Navy, from Farragut, Idaho, were guests October 28 of Mrs. Kesterson's mother, Mrs. William Puhl and Mr. Puhl, at their home on Garden Row.

Mrs. Ida Fredericksen of Wheeler, Ore., transacted business in Gold Hill, recently.

Mr. and Mrs. Henry Mannin, recently of Ashland, have moved into the former Meunier home on Garden Row, which they bought this summer.

Mrs. Myrtis Vowell has returned here after several weeks' visit with her mother in Oklahoma.

Mr. and Mrs. William Jordan of Grants Pass visited friends in Gold Hill on October 27.

Guests of Mr. and Mrs. Dennis McGuire and daughter Joanne, are Mr. McGuire's parents, Mr. and Mrs. James McGuire of Newberg, Ore.

The local Girl Scout troop and their leader, Mrs. Hazel Holderness, held their annual Halloween party at the Scout hall October 29. Prizes for cleverest and funniest masquerade costumes were given to Carma Ferguson, Lillian Ransom, Jimmie Blevins and Garland Ransom.

Mrs. O. W. Robertson and Mrs. E. G. Simons, both of Sams Valley, left last week for San Francisco and Oakland, Calif., to visit relatives.

Parents and school patrons are reminded to come to the annual teachers' party Tuesday evening, at the I. O. O. F. hall. Prizes will be given for masquerade costumes and an interesting program and good time is assured. Ladies are asked to bring any kind of pie.

Mrs. Lovey Scott returned recently from Monmouth, Ore., where she visited Capt. and Mrs. Eugene Brown and baby son, former residents of Gold Hill. Mrs. Scott also visited friends in Corvallis and relatives in Eugene.

Mrs. John Hays, who fell at her home here and injured her back, has been in a Grants Pass hospital. She is an employee of the Golden Rule store in Grants Pass.

Nathan Barry, boatswain's mate, third class, U. S. Navy, is home from Farragut, Ida., visiting his wife and small son. Also from Farragut, is Zane Marsden, U. S. Navy, visiting his parents, Mr. and Mrs. Ben Marsden and family.

Mrs. R. E. Shaw is a guest of her daughter in Seattle, Wash. Eliza Ring, son of George Ring of Gold Hill, has recently been discharged from the army due to physical disability and is visiting his brother-in-law and sister, Mr. and Mrs. Gerald Herman and family.

WINBURN REMOVAL IS SCHEDULED THIS WEEK

Colorado officers are scheduled to arrive the middle of the week to return Ray Vernon Winburn, 41, to Pueblo where he is wanted as a murder suspect in a dance hall knife murder 13 years ago. Winburn has been held in the county jail the past three weeks. At the time it be-

came known he was wanted in Colorado he was serving a sentence for drunken driving. He has resided in this section the past two years. His last employment was with a sawmill in the Rogue River district.

CIO FOR FOURTH TERM
Buffalo, N. Y., Nov. 1.—(UP)—The New York state convention of the Congress of Industrial Or-

ganizations pledged unqualified support today for a fourth term for President Roosevelt.

Dr. A. A. Soule
Announces Phone
8:30 to 7, 2870
If no answer 7280
2652



When Speed Counts

Today, five times as many tickets are sold on the Southern Railway System as were sold before the war—even though fast-moving "war-freights" carrying military supplies, arms and ammunition crowd the right-of-way.

MANY expert railroad accountants and experienced ticket sellers have gone to war . . . and newcomers replacing them face milling throngs at every ticket window in terminals, city offices and stations.

Yet, the busiest offices on the Southern present reports of revenue and federal taxes on schedule every day—because the complicated task of selling tickets and the even more complex task of accounting for them are mechanized with National Accounting Machines.

With them, reports to the general office are made in the least possible time . . . for human errors and tedious detail work are eliminated by National's mechanical accuracy and printed figures . . . providing daily cash totals for each ticket seller . . . and individual totals for card, local, intersystem and interline tickets . . . and a total of revenues received from conductors, dining-car stewards, red-caps and baggage men . . . and separate totals of Pullman purchases and taxes collected.

Selling, handling and accounting for railway tickets, complicated and complex as these things are, are simplified by National's which conserve man-hours without measure—daily. . . This is one of many mechanized National systems built to protect money and records for business, industry and Government and, through them, the public.

National Accounting-Bookkeeping Machines are available to essential industries through priorities. Many modern used National Cash Registers may also be had for business needs.

The National Cash Register Company
CASH REGISTERS • ACCOUNTING-BOOKKEEPING MACHINES
16 SOUTH FIR ST., MEDFORD
TELEPHONE 2015

Our factory at Dayton, Ohio, proudly flies the Army-Navy "E" with three stars ★★ ★ for "unceasing excellence" in the production of precision instruments and other war material.

SYSTEMS INFORMATION • SALES SUPPLIES • SERVICE • REPAIRS

★ BUY U. S. WAR BONDS ★

Relief At Last For Your Cough

Cremulsion relieves promptly because it goes right to the seat of the trouble to help loosen and expel germ laden phlegm, and aid nature in soothing and healing raw, tender, inflamed bronchial mucous membranes. Tell your druggist to sell you a bottle of Cremulsion with the understanding you must like the way it quickly allays the cough or you are to have your money back.

CREMULSION
For Coughs, Chest Colds, Bronchitis

Sales Lady Wanted

We can use a capable saleswoman in our retail store—preferring woman experienced in retail selling, capable of typing. Permanent local resident desired. Interesting work. Farm raised woman, experienced in gardening and poultry keeping would prove most satisfactory to us. Apply in person. Permanent position to right party.

Monarch Seed & Feed Co.
Cor. 6th and Bartlett. Medford, Ore.

IN AMERICA'S LARGEST CITY WHERE THE BEST WINS THE TEST They Satisfy

NOT A SLOGAN BUT A FACT

Wherever you go—in the great metropolis or anywhere in this country—notice how many people are enjoying Chesterfields.

Chesterfields do what they say they do . . . THEY SATISFY. They give you the best in tobacco quality plus the Right Combination or blend of these tobaccos to give you a Milder, Better-Tasting Smoke. Make your next pack Chesterfield and see how really good a cigarette can be.

It's Chesterfield YOU CAN'T BEAT THEIR Milder Better Taste

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