Chemical Trick Increases Stockpiles Of 3 Strategic Metals And Yields Uranium

By RENNIE TAYLOR
AP Science Reporter

SEATTLE (AP)—A chemical trick which can increase this country's stockpiles of three strategic metals and yield uranium as a by-product was reported today by two U.S. Bureau of Mines researchers from Oregon.

The procedure consists mainly of adding a little salt to a 130-year-old formula which utilizes chlorine to separate groups of metals from their crude ores.

Addition of the salt, the researchers said, results in a simple, low-cost production of tantalum, titanium and columbium from black sands taken from Bear Valley, Idaho. These three metals are much used in electronics, aircraft building and atomic sciences.

Left over from the processes are compounds of uranium, thorium, iron and a series of chemicals called the rare earths. The uranium, of course, is useful in nuclear science. Thorium is a possible substitute for uranium in atomic energy.

Many varieties of black sand are available around the world as sources of these much-wanted substances.

The process was reported by A. W. Henderson and S. L. May of the Bureau of Mines laboratory at Albany, Ore. They presented it to a meeting of the American Society of Chemical Engineers, held in connection with the annual convention of the Pacific Division of the American Assn. for the Advancement of Science.

Basically, the process consists of mixing black sands or concentrates with chlorine gas and subjecting the mixture to heat. At a high temperature tantalum and columbium emerge from this mixture in the form of gas. At a lower temperature titanium is separated from it. This leaves the uranium, thorium and iron in nongaseous form as by-products.

PARTNERS, whose sales efforts paid off in two trips to the Bahamas last month, are shown above. From left, they are Mrs. and Mr. Lewis McAllister and Faye Hansen. They are partners in the South Stephens Hardware. The trips were awarded the McAllisters for volume of sales of a brand of television sets. (Paul Jenkins).

Local People Gain Expense Paid Trips For Business Work

Trips to far away places at the expense of nation-wide companies for Roseburg sales people are becoming matter-of-fact.

The latest to win one such trip was Mrs. Earl (Edna) West, Manager of the Diana Craig store. She was one of four managers in the nation-wide chain to win a trip to New York and Havana, Cuba, in July with all expenses paid.

Rep. Harris Ellsworth sent her a telegram of congratulations shortly after the announcement she had won.

She will weekend in New York City and then sail for Havana July 21. The trip was awarded on the basis of volume of sales in a ladies slip contest. The contest is sponsored annually by the Diana Stores chain.

Another trip winner this year were Mr. and Mrs. Lewis McAllister, owners of the South Stephens Hardware. Sales of a brand of television sets netted them the trip last month.

Although both were eligible to take the trip to Nassau in the Bahamas, McAllister found the pressure of business too great, so he gave his trip to a friend, Edna Blizard. She and Mrs. McAllister then went on the expense-paid jaunt. This contest was also based on volume of sales.

MRS. EARL WEST
. . . Havana bound

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Order Of DeMolay Sets Officer Installation

Roseburg Chapter of the Order of DeMolay will hold installation of officers Saturday, June 16, at 8 p.m. at the Masonic Temple in Roseburg. Grants Pass chapter will install Karl Thiele, master councilor; Ernie Knigge, senior councilor; and Larry Sloan Jr., junior councilor.

Parents and friends are invited to attend.

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