

'Poor Man's Diamond' Made By Portland Firm; Has Wide Color Range

By HOWARD W. BLAKESLEE
Associated Press Science Editor

NEW YORK, May 17 (AP)—A new synthetic gem stone, which he calls the "poor man's diamond," is reported by Jack DeMent, of the Fluorescence Laboratories, Portland, Ore. This man-made stone, he says, will have more fire than a diamond. It will emit more of the light it receives than a diamond. It is harder than rubies, sapphires or any other stones. It is hard—hardness comes within half a point of a diamond, which is the hardest substance on earth.

Low Cost
DeMent estimates that the cost will be less than one-hundredth that of a diamond.

The stone is not known to exist in nature. It is silicon carbide, a synthetic known for 50 years, but mostly as a dark, porous mass, of no gem qualities. Recently, DeMent says, new forms have been discovered in England and in his laboratory. These include one that is water-clear, with the same form

or cubic crystals that make diamonds. The latter he expects to rival and in some ways outdo diamonds.

"We may well regard the new gem material," he writes in the Mineralogist, "as the poor man's diamond of the future. In short, silicon carbide will enable the meager purse to enjoy all the beauty and glory seen in a huge, perfect diamond."

"Synthetic ruby has enabled everyone to possess, for all practical purposes, a real ruby, in color, hardness, and optical properties. Silicon carbide will serve this same function in the case of the diamond, and at a cost well within the range of the masses of the people."

In Colors
This synthetic stone also can be made in colors, he reports, yellow, green, greenish-yellow, blue, blue-green, gray, brown, black and red. Real diamonds come in many of these colors, although deep red is very rare.

"The fact," DeMent says, "that silicon carbide may be made also in different crystal forms, with either no color, or any tint desired, gives rise to an entirely new family of gem stones."

That is, the other new gem families, based on shape of the carbide crystals, will be like rubies, sapphires and other previous stones.

"Finally," he says, "an extraordinary composite gem now seems feasible. This consists of two pieces of gem cemented at the girdle; the crown being of diamond and the pavilion of clear or slightly-tinted silicon carbide. Or, say a triple composing diamond, ruby or sapphire and silicon carbide."

The new stone also can be made into the star form, like natural star sapphires and star rubies. Synthetic star rubies and sapphires already are made.

DeMent says the new gem stone is superior to diamonds in optical properties in about the same degree that colorless sapphire exceeds colorless sapphire.

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CARNIVAL

By Dick Turner



"I don't know where the bad witch came from that turned the handsome prince into a ragged beggar—the Bureau of Internal Revenue possibly!"

Courthouse Records

Marriage Licenses
McDONALD, Lester W. McDonald, 27, farmer, native of Oregon, resident of The Dalles, Ore.; Lila Irene Cox, 24, stenographer, native of Ore., resident of Bly, Ore.
POPE-STEFFAN, James W. Pope, 29, salesman, native of Oregon, resident of Klamath Falls; Karen Jeanette Steffan, 19, telephone operator, native of California, resident of Klamath Falls.
Complaints Filed
Franklin National Insurance company vs. Johnny E. Meeks, suit for \$364 damages and costs. Attorney for plaintiff, R. F. McLaughlin.
Owens Adjustment service vs. Mr. and Mrs. John W. Collins, suit to obtain payment. Attorney for plaintiff, R. F. McLaughlin.
Leo Epps vs. Glenn Buddy Knox and Klamath Falls housing commission, suit for \$500 damages. Attorney for plaintiff, G. A. Valentine.

Samuel W. Perkins vs. Alberta M. Perkins, suit for divorce. Charge, cruel and inhuman treatment. Couple married July 1, 1938, in Reno, Nev. Attorney for plaintiff, E. E. Driscoll.
Mary Helen Bell vs. Alva B. Bell, suit for divorce. Charge, cruel and inhuman treatment. Couple married March 15, 1934, in Santa Ana, Calif. Plaintiff seeks custody of two minor children, \$100 per month support, \$250 costs. Property settlement. Attorneys for plaintiff, E. E. Driscoll.
Justice Court
Wayne Edmund Adkins, drunk on highway. Fine, \$15.
Rayford Boyd King, drunk on highway. Fine, \$12.
Albert Wueke, no load flag. Fine, \$5.50.
Ethel Dorothy Shultz, running stop sign. Fine, \$5.50.
Floyd Leary Somers, running stop sign. Fine, \$5.50.
Larrell Burgette Hudson, drunk driving. Fine, \$15.50.
W. E. Mauldin, no PUC permit. Fine, \$10.
Cassie Ketchum, drunk on highway. Fine, \$15.

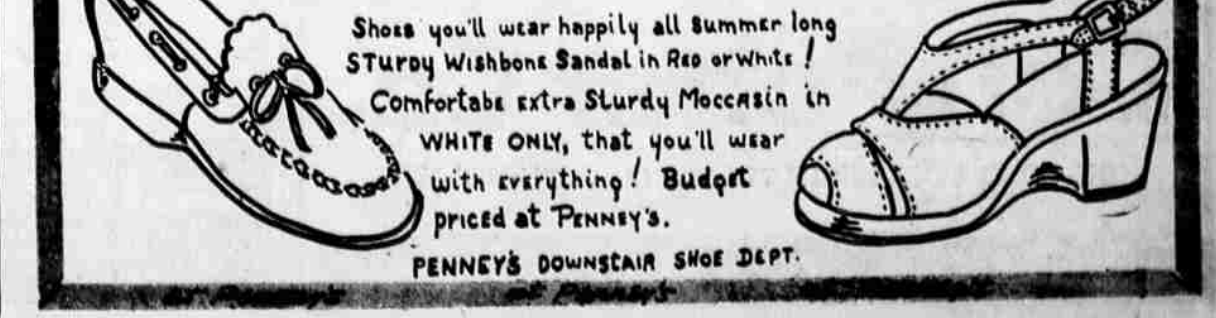
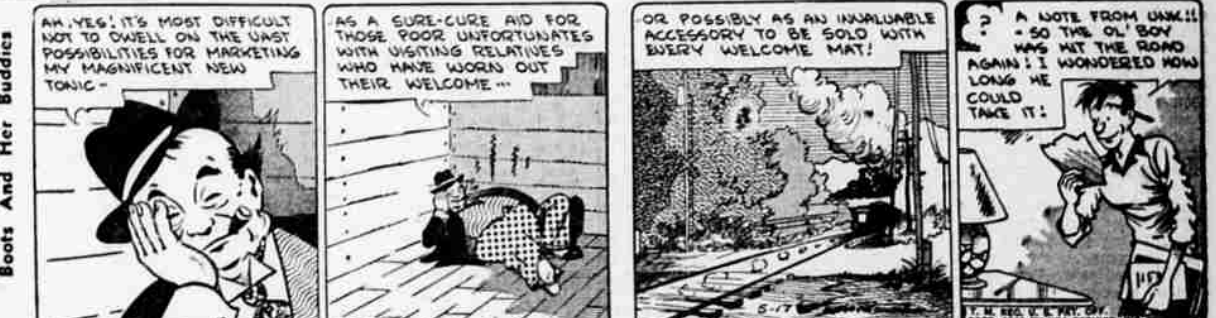
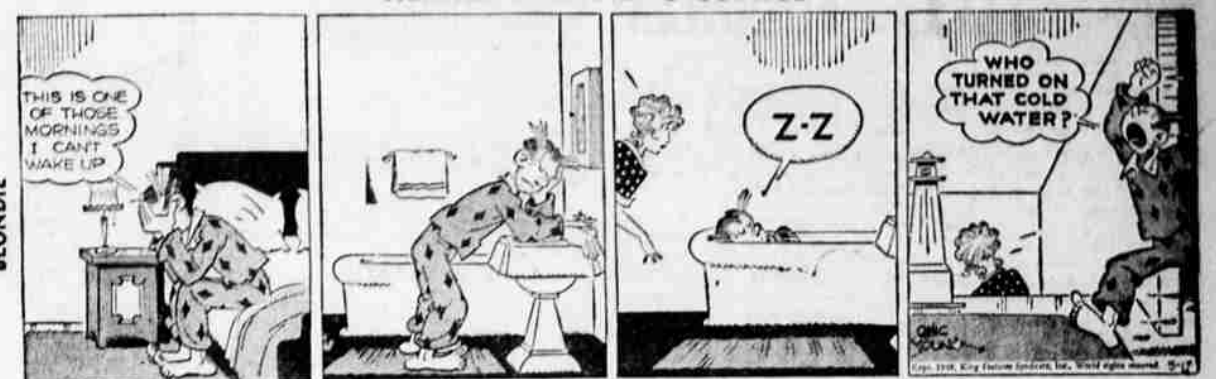
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