

Science Making Headway in Artery 'Hardening' Study

By DELOS SMITH
United Press Science Editor

New York—(U.P.)—Although progress is slow, science definitely is making headway in its search for ways of preventing human arteries from "hardening" and stopping the "hardening" process once it has started.

Take the experiments of a doctor of philosophy in chemistry and a doctor of veterinary medicine with flocks of white Leghorn cockerels and with several chemical and non-potable forms of alcohol.

One of the alcohols was cholesterol, which the animal body extracts from its food but also manufactures on its own and in some bodies collects in crystalline form inside arteries. This "hardens" the arteries and sets the stage for heart attacks and for the mental debilities of old age.

Another alcohol was of the same chemical class but a product of the soybean in its germination, growth and maturing. The third alcohol was the result of a chemist's manipulations in his laboratory. It was a salt of an ester, or compound, of an alcohol.

Four Flocks
Our scientists, Thomas B. Clarkson, D.V.M., J. Stanton King Jr., Ph. D., and Nelta Hyder Warnock, B.S., of Bristol, Tenn., quite aware that these alcohols somehow react upon one another, divided their white cockerels into four flocks.

All were fed on the same mash to which cholesterol had been added. But the soy bean alcohol was added to the mash of flock number two, the man-made alcohol was added to that of flock number three, and both the soy bean and man-made substances were added to the mash of flock number four.

As was to be expected, the circulating cholesterol in the blood streams of all four flocks shot up. That of the cholesterol-only flock went the highest. That of the flock which got both cholesterol and the man-made alcohol was second highest. And that of the flock which got both soybean and man-made alcohols was the lowest.

The conclusion is dramatic—but not explained. Somehow the man-made alcohol enhanced the chemical ability of the soy bean alcohol to hold down circulating cholesterol. When the scientists analyzed the main heart arteries of their cockerels for deposited cholesterol content, they got the same results but even more strikingly.

Meanwhile, an experimental way of lowering cholesterol content of circulating human blood and holding steady at the low-

ered levels was made available for a limited number of physicians through the Vascular Research Foundation of 815 Park Avenue, New York. It is a compound of vitamins and thyroid hormone and still is not on the market and so is not to be had merely by prescription.

This way is based on the premise that artery-hardening depends basically upon body cells which have lost the knack of dealing with oxygen efficiently. A correct balance of vitamins and hormone is said to restore the knack.

Non-High District Proposes \$305,450 1956-57 Budget

A 1956-57 school year budget of \$305,450 was proposed Saturday by the budget board of the Jackson county non-high school district, J. G. Cameron, Lone Pine, is chairman of the board and J. W. Ragsdale, Elk-Trail, secretary.

Of the total, \$275,000 was allocated for tuition of students from the 11 non-high districts who attend various high schools; \$24,000 for student transportation; \$5,000 for an emergency fund; and \$1,450 for operating expenses.

Expected Income
Receipts expected during the school year include \$50,000 from the state and a possible \$5,000 balance from the budget of the current year, according to Alf B. Mekvold, county school superintendent and secretary of the non-high board.

The proposed budget is a reduction from last year's \$336,200, made possible by the annexation of the Kenwood and Dewey school districts to Medford district.

Mekvold said the budget is determined through consideration of current and past budgets, enrollment figures and other statistics. About 665 non-high district students are expected to the non-high district of \$425 per pupil. The budget allows \$450 per pupil in anticipation of possible tuition increases.

School districts expected to be included in the non-high district next year are Evans Valley, Elk-Trail, Shady Cove, Applegate, Ruch, Griffin Creek, West Side, Oak Grove, Howard, Lone Pine and Pinehurst.

Members of the budget board attending Saturday's meeting included Cameron, Ragsdale, Mekvold, Mrs. Nora Blair and Chester J. Jensen, Evans Valley; A. E. Brockway, Medford; L. J. Cooper and E. R. Ramsey, Rush; and Dunbar Carpenter, Lone Pine.

Wished He'd Heeded Judge Who Knew Best

Tavares, Fla. — (U.P.) — Bob Pepper of Lady Lake, Fla., wished today he had heeded a judge who warned him he would wind up in a cemetery unless he stopped drinking.

Police, who arrested Pepper Wednesday for driving while intoxicated, said his car had wrecked a \$400 tombstone in the Lady Lake cemetery.

Court Records

DISTRICT COURT
James A. Vargo, violation of basic rule, \$12.50.
Kenneth C. Phillips, violation of basic rule, \$15.

MARRIAGE LICENSE APPLICATIONS
Donald Clyde Bellon, and Mary Louise Cone, Klamath Falls.
Donald Edwin Green and Pauline Irene Henderson, Alturas.

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