



## SALE - FRIDAY and SATURDAY - OCT. 29 and 30

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### DIABETES CONTROL IN FORM OF PILL NEAR PERFECTION

New Method To Supplant Hypodermic Needle Forecast By Academy Of Sciences—Trials Success

By Stephen J. McDonough, Associated Press Science Writer, ROCHESTER, N. Y., Oct. 26.—(AP)—A new method of treating diabetes with insulin swallowed in small tablets instead of by injections with a hypodermic needle, was forecast today before the National Academy of Sciences.

Three University of Rochester physicians, Dr. John R. Murlin, Dr. Lawrence E. Young, and Dr. William A. Phillips, announced that they had successfully treated some human beings and dogs suffering from diabetes with the new solid preparation.

The compound is composed of in-

sulin and hexyl-resorcinol, a common antiseptic and fever-reducing drug. The resorcinol acts as an emulsifier to clean fat from the linings of the stomach and intestines by making it more soluble in water than it normally is.

#### Method Practical

The University of Rochester experimenters had previously shown that insulin can be absorbed through the stomach and intestines and then acts in the ordinary way to burn up the excess sugar in the blood which produces diabetes. Presence of fats, acid conditions, and the enzyme pepsin prevented this absorption, however.

The next step, now nearing completion in tests on human beings, was the addition of the resorcinol to neutralize the pepsin, produce an alkaline condition, and emulsify the fat in order to clean up the digestive tract for entrance of the insulin.

Trials on the human diabetes sufferers enable the Rochester men to "state with certainty," Dr. Murlin said, that "insulin can be absorbed in sufficient amount to produce abrupt changes in blood sugar."

#### Find Digestive Spur

The discovery of a new hormone, named "enterocrinin" which is secreted into the intestines from the blood to stimulate the production of digestive juices, was announced before the academy by another Rochester university physician, Dr. E. S. Nasset.

Enterocrinin, he said, is a "very active" hormone which "stimulates the production of all components of the intestinal secretion, including the digestive enzymes" and is thus highly essential to life. Without it food would be about as useful as so much sawdust. It is a white powder easily soluble in water.

At the present time the hormone is not yet ready for use in man for the possible treatment of digestive disturbances and diseases, Dr. Nasset said, but work on it is going forward as rapidly as is possible.

### ROSEBURG VET HOSPITAL READY FIRST OF YEAR

ROSEBURG, Ore., Oct. 26.—(AP)—Present indications are that the veterans administration hospital at Roseburg, now being converted into a specialized institution for care of neuro-psychiatric, will be ready for occupancy about January 1, Col. E. F. Tandy, manager, announced today.

The task of conversion has been greatly delayed by difficulties in securing materials, due to labor and transportation troubles, Colonel Tandy said.

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### NEW TYPE QUILT DEVELOPED HERE HAS ADVANTAGES

An original process of manufacturing down quilts which are warmer, more durable and less likely to slide to the floor, has been perfected by H. Petri of this city, and the superior product has attracted wide attention including that of the major airlines in the U. S. A., the aeronautical and WPA survey party from Washington, D. C., which visited Medford Saturday, and Marshall Fields, Chicago, and other large concerns in leading cities on the west coast.

Mr. Petri has applied for a patent on his process and the trade-mark is "Nestle Down." His headquarters are at 214 East Main street.

Construction of the quilt differs from that of the ordinary quilt in several ways. Principal difference is the assembly of the top and bottom covers which are not stitched to-

gether in the conventional quilting manner but are separated. This provides "air-plus-down" insulation, effectively holding the body heat in under the quilt, and also gives great flexibility. The 100 percent goose down used is contained in special bags to facilitate the "tucking-in" feature of the quilt, and also the changing of cover material to harmonize with bedroom furnishings, or when the material becomes worn out. This is an economical advantage.

A fine quality taffeta in several colors or combination of colors is used to cover the quilts, and all seams are locked and edges corded. The generous size and resiliency make it possible to tuck the quilt under the mattress without injury. The quilts are very light, weighing about 4½ pounds, and are 76 by 84 inches in size. Three-quarters and baby quilts are also made.

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Mr. Petri also manufactures a special lightweight sleeper roll, which is a quilt and bed-roll sack combined and embodies the same principles as the indoor quilt, in fact, the quilt can be used both on the bed and, when needed, slipped into the out-

door sack or envelope to be used as a bed-roll. A balloon cloth, which has been given a special water-repellant treatment, is used for the envelope. The sleeper roll weighs only about 2¼ pounds and is both warmer and lighter than the ordinary bed-

roll. Mr. Petri was formerly assigned to the Medford district CCC, as educational adviser and was associated with Pruitt's Music-Radio Center during the past year until he opened his new shop about a month ago.

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