

Hormones Significant in Study and Tracing of Cancer

By PAUL F. ELLIS
(United Press Science Writer)

New York, May 18 (U.P.)—The hormones—chemical substances that control the mechanism of the human body and determine sex characteristics—have been found to have a significance in spotting cancer.

The different substances produced in tiny amounts by the sex and other glands follow a regular pattern in excretion from normal persons each day, but studies at the Sloan-Kettering Institute for cancer research have shown there is a decided shift or change in the pattern when disease is in the body.

There is such a pattern-shift that indicates cancer. Most significant in the shift is the presence of a "stranger"—a hormone that is rarely found in persons not suffering disease, particularly those not suffering cancer.

The Sloan-Kettering scientists have made their preliminary conclusions after almost 10 years of laboratory and clinical tests. Examinations of urinary excretions of scores of persons—some old, some young—have been made. Techniques of analyzing and obtaining the "fingerprints" of the various hormone excretions have been developed.

The newest trick of obtaining the "finger-prints" of the individual hormone substances is the exposure of them to infra-red light. The procedure brings out their individual structures and makes them easy to identify.

Through use of the new techniques, the scientists obtained the "finger-print" of the particular strange hormone that shows up in most cancer cases—either before detection of the disease or during the course of the disease.

The "Cancer" hormone deriva-

tive probably comes from the adrenals, two small glands located on top of the kidneys—and glands whose proper function is necessary for normal life in the human being.

In the examination of excretions from 10 men suffering cancer of the prostate, the hormone was found in nine cases; in four out of four cases of cancer of the larynx; in two out of two cases of cancer of breast male; in four out of four cases in cancer of the stomach; in one out of one in cancer of the cervix; and four out of four cases of lymphatic leukemia.

The compound has been found in other diseases, so it is not now considered specific for cancer.

But in 15 normal males, it was found in only one. In nine normal females, it was found in only one. Sloan-Kettering scientists are now following up those two cases to determine whether they ultimately develop cancer.

In one case, the strange hormone was found in a woman apparently in good health. Three years later she developed cancer, was operated on and is in good health today—six years after the operation.

(Next: Hormonal Symphony)
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Mrs. Sites Honored

Silverton—Mrs. R. W. Sites whose birthday anniversary was Friday May 13, was commemorated in a surprise affair arranged by her sister, Mrs. J. W. Nelson, in a supper and social evening. Guests included Mr. and Mrs. R. W. Webb, Mr. and Mrs. Ray Mhyrum, Mr. and Mrs. Loren Barr, Mr. and Mrs. Wade Scott, Mr. and Mrs. William Hanson, Mr. and Mrs. J. H. Jones and Mr. and Mrs. R. T. Nelson.

Pond Submits Winning Poster

A resident of Salem is among the winning contestants in the international human poster contest of the Latham Foundation for the promotion of humane education, it was recently announced by the organization from headquarters in Oakland, California.

E. O. Pond, of 640 Chemeketa street, Salem, was awarded a certificate of merit by the judges, for a poster entered in Group VI, for professional artists.

Mr. Pond's poster showed marked artistic ability and originality of subject. Many entries in this 24th annual contest of the Latham Foundation were received from foreign countries, among them England, Austria, Holland, Canada, Java, the Philippine Islands and the Canal Zone.

Art is a universal language and through these poster contests the foundation hopes to do its part in building international friendship.

Queen Charlotte Lebanon Festival

Queen of the annual strawberry festival at Lebanon will be Charlotte Pease, Corvallis high school senior. She is a blonde, five feet five inches tall and weighs 110 pounds. Queen Charlotte was born at Albany Nov. 10, 1930 and moved to Corvallis in 1942.

Selection of the queen and the royal court was made at a dance at the Cottonwoods dance pavilion Wednesday night with seven girls competing for the honor.

Princesses will be Mary Ann Turner, Lebanon; Marvis Petersen, Albany; Joanne Seferi, Seio; Joy Kilgore, Brownsville; Norma Latimer, Sweet Home and Janet Corbett, Halsey.

Coronation ceremonies will be held June 3 at 10 o'clock with the festival parade to follow and a 5000 pound strawberry shortcake to be served at noon.

Lebanon Man Injured
Lebanon, May 19 — Albert Grohe, Lebanon, was taken to the hospital with minor injuries and his automobile demolished when a 25-foot log eight feet through the base, slipped from a log truck driven by Glen Riddle, Sweet Home, as he made a turn at a downtown intersection Wednesday. The log also broke an electric power pole before it crashed onto the Grohe automobile which was passing.

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<p>CORN FLAKES 8 OZ. PKG. 10c</p> <p>DEL RICH MARGARINE lb. 29c</p> <p>Quart Jar 59c</p> <p>Soft Weave Toilet Tissue 2 rolls 25c</p> <p>CATSUP Hunts 2 for 25c V-8 Bottle 23c</p> <p>SHORTENING CRISCO or SNOW-DRIFT 3 lbs. 85c</p>	<p>Giant Size 77c</p> <p>HERSHEY Chocolate Bits 2 Pkgs. 39c</p> <p>MORRELL'S LUNCHEON MEAT 12 oz. tin 37c</p> <p>JELL-O All Flavors 4 Pkgs. 25c</p>	<p>Some Things on Your MUST LIST FOR THAT PICNIC LUNCH</p> <p>PAPER PLATES HOT or COLD CUPS WAX PAPER</p> <p>SPOONS FORKS NAPKINS</p> <p>SPRY SHORTENING 3 lbs. 85c</p> <p>CAMPBELL'S TOMATO JUICE 46 oz. Tin 25c</p> <p>VAN CAMP'S PORK & BEANS No. 2 1/2 Tins 2 for 45c</p> <p>ALL POPULAR BRANDS MILK 2 Cans 23c</p>
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