

# Lebanon County Crowns

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Other contestants were Susan Cikovic, daughter of Mr. and Mrs. Frank Cikovic, Jonestown, Route 1; and Phyllis Sattazahn, daughter of Mr. and Mrs. Ray R. Sattazahn, Lebanon Route 2. All the girls were escorted to the stage by their fathers. The contest was the last in many activities that day designed to promote the dairy industry. An ice cream eating contest was held in

the afternoon, with thirteen-year-old Scott Whitlow, Lebanon, winning the title for the under 14 group. Scott ate eleven 3-oz. dixie cups during the five-minute limit. In the over 14 group, Paul Fuhrman, Myerstown, was named winner after consuming 15 dixie cups. Master of ceremonies for the contest was Henry Homan, WLBR radio personality. There was a large audience to cheer on the contestants.

Also held during the day was a dairy foods contest. There were 20 entries in six categories with the following winners: Cheesecake - Mrs. Arthur Krall, Lebanon R1; cake - Charles E. Smith, Annville, R2; breads - Barbara Herr, Lebanon R4; main dish - Millie Rogers, South Lancaster Street, Annville; appetizer - Mary E. Wengert, Park Drive, Lebanon; and homemade ice cream - Irene P. Smith, Annville R2. Grand Prize

winner was Millie Rogers in the main dish category with "Lodi Chicken."

Judging for the cooking contest were Anna Biely, Sandra Klingler and Betsy Tice, all area home economics teachers.

Mrs. Alletta Schadler, Lebanon County home economist presented a dairy foods demonstration in the afternoon.

Master of ceremonies for the Dairy Princess contest was Ed Arnold, Lebanon R2, a holstein breeder. Corinne Weyand, 1975 graduate of West Chester State College entertained with popular songs.

Judges for the contest were Ann Erb, home economics teacher; Phoebe Ruth, former Berks County Dairy Princess; and Donald McNutt, Cedar Crest vocational agricultural teacher.

All the dairy promotional activities were coordinated by program chairman Patricia Krall.

Exhibits were on display by the Farm Women, Wengert's Dairy and Ruth Miller, retiring dairy princess.

## Coral Useful In Medical Work

Two Pennsylvania State University scientists and a medical student will be issued a patent this week governing the use of a South Pacific coral as a mold for making human bone, cartilage, and even coronary artery replacements.

The process is an outgrowth of the discovery by a Penn State marine geologist, Dr. Jon Weber, that the skeletal microstructure of certain corals mimics human bone and tissue.

Devices made by casting the coral in very strong materials could provide victims of arthritis with replacement joints that readily fuse with natural bone, do not constitute a physiological insult to the body, and will not easily wear out.

Successful implants of bone prostheses have been made in animals, though no clinical tests have been conducted.

Dr. Weber, Dr. Eugene W. White, a materials scientist, and Ron White (no relation), a medical student at SUNY Syracuse, are named as co-inventors in the patent documents.

In the new process, a piece of coral skeleton is first

machined to the desired shape - of a bone chip, for instance. It is then cast in a wax-like material; the skeleton is dissolved away, leaving a negative copy of the original coral. This is cast again, in a strong synthetic material like epoxy.

The result is a very strong, completely synthetic unit that mimics human bone in its ultrastructure. Its network of pores is impossible to duplicate in steel or other metals now used to make prosthetic devices.

Recently, the Penn State scientists have been able to cast short sections of coral in a soft rubbery material. Because of the extraordinary porosity of the material it readily infuses with blood and becomes a true graft: the sections might be used to by-pass clotted or otherwise defective lengths of heart arteries.

Thus, persons with high risk of coronary thrombosis might be helped. Animal experiments are now in progress on this development.

The Research Corporation of New York, which partially supported the work, is handling patent licensing.

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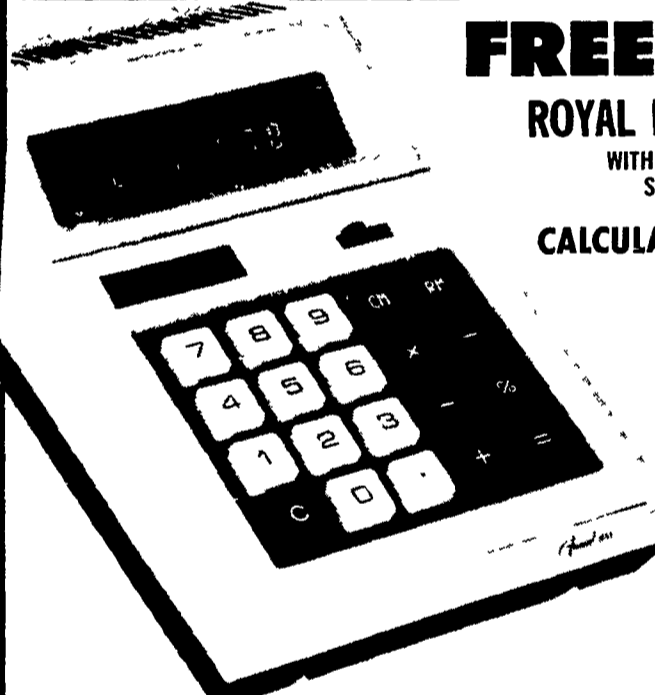
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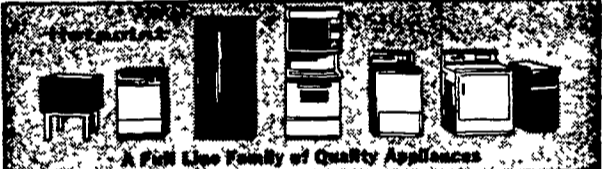
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