



MISS PORTLAND—Judy Elsenbach, right, 17-year-old blue eyed blonde, is shown as she was crowned Miss Portland by Karlyn Mattsson, last year's winner. Miss Elsenbach, who is five feet-seven and measures 36-24-30½, is an expert baton twirler from Franklin High school and will compete in the Miss Oregon pageant at Seaside in July. (UPI Telephoto)

New National Center To Study Basic Weather

Washington (Science Service) — A national center of atmospheric research will be established by the National Science Foundation to conduct and stimulate basic research in weather.

Dr. Alan T. Waterman, director of the Foundation, said the center will collaborate and cooperate with university groups now involved in research and will coordinate several such units for the purpose of conducting large-scale research projects in the atmospheric sciences.

No Headquarters Set

The major portion of the research will remain with the universities; and the center may operate from several locations, as yet determined. No headquarters has been established to date.

Center research programs will include studies concerned with atmospheric motions; energy exchange processes in the atmosphere; water substance in the atmosphere; and physical phenomena in the atmosphere.

A year of investigation and exploratory work will probably precede any decision involving the undertaking of long term research projects. Dr. Walter Orr Roberts of the High Altitude Observatory, Boulder, Colo., has been appointed director of the national center.

\$500,000 Contract
The Foundation has a \$500,000 contract with the University Corporation on Atmospheric Research (UCAR), to set up and establish the center. UCAR also will provide management for what is expected to become a large and widely dispersed research effort.

Dr. Waterman said, "The atmospheric sciences have suffered from neglect and lack of trained research personnel. Walter Roberts and the research group he forms will be able to lead the way in overcoming these problems." The USSR already has established two central institutions for atmospheric research. Additionally, it has provided central installations and equipment for this important science.

LAW PROFESSOR DIES

New York—(UPI)—Thomas E. Atkinson, 64, law professor and authority on wills, died Wednesday in Keswick, Cumberland, England.

PUC Hearings Are Slated in Medford

Salem—(UPI)—Scheduling of hearings in Medford on various PUC matters has been announced by Public Utility Commissioner Jonel C. Hill. The hearings are all scheduled for the Jackson county courthouse auditorium and will begin at 9:30 a.m.

They include:
Aug. 1, application of Francis W. and Alice M. Keough of Isham's Transfer & Storage, Grants Pass, for extension of permit to include local cartage in the city of Medford; Aug. 2, request of John H. Hill of Courtesy Cab, new permit; Aug. 3, request of Independent Truck Line, Inc., Ashland for permission to partially acquire the permit of Davis Transfer and Storage company.

Morse Gets Promise Of Postal Move Delay
Washington—(UPI)—Sen. Wayne Morse (D-Ore.) said Friday Sen. Olin Johnston, chairman of the Senate post office and civil service committee, had promised to ask that transfer of the Northwest regional post office from Portland to Seattle be delayed.

Paris—Five plants produce 98 per cent of all motor vehicles manufactured in France.

Small Worlds Around Us

By Lynn M. Watkins

That Bleat You Hear in Frog Chorus is Not a Sheep

The frog chorus was in full cry; the voices were many and varied. There were some that sounded very unfrog-like—one in particular. It sounded exactly like the bleating of a sheep, yet it was a frog.

The human listener, if he is unacquainted with the swamp, never suspects the bleating call is the voice of a frog. More likely he will think a sheep or a bewildered little lamb has become lost, and is bleating in terror at the darkness.

Even with the clamor of the full chorus, when it seems a thousand frogs are croaking, twanging, squealing, cooing, bellowing, grunting and chirping, the voice of the bleating one stands out in

sound above and away from all the others.

Startlingly Realistic

The illusion of the "lost lamb" becomes startlingly realistic when a listener happens to stop his car on a lonely road near where a marshland or small pond lies hidden in the darkness. Then the bleating becomes pathetic. Some kindhearted people, hearing the sound, become so concerned they abandon their car and go seeking the "little lost sheep."

Listening to a frog chorus it would seem most of the little creatures were crying in the night. However, it would be only half the population, for the male frog is the only one with the voice; the females are silent.

Apparently the females have nothing to say, but they do have a preference. By the sound they know just where the boy friend is—the individual lily pad or half submerged log where he is resting.

Unanswered Questions

Neither scientist, student or layman ever has explained just how an air breathing frog can bury itself in the mud of a pond bottom, stop breathing completely, and remain there for several months, only to become "alive again" when the ice melts and the waters of the pond regain their summer warmth. In fact, there are several entire chapters in the life history of the common frog that have never been written.

In the world of the tailless amphibians, there are many species, and of course, countless thousands of individuals of each species. Each species has a call peculiarly its own. In the large family, there is one member that has a voice like a tiny bell in some far off temple.

There are frogs that grunt like pigs, some that bellow, some that groan, some that seem to cry. None however, regardless of species, sounds more like what it isn't than the so-called "narrowmouthed" frog that sends its plaintive call from the swampland, and whose bleating sounds exactly like that of a little lost lamb.

(Released by The Register and Tribune Syndicate, 1960)

Chicken Bones Aid Study of Human Diseases

Los Angeles—(Science Service) — A study of chicken bones is giving science a better understanding of human bone disorders—especially osteoporosis (porous bones) which is on the increase among the nation's elderly.

Dr. Marshall R. Urist and Nance Marie Deutsch of the University of California Medical School, Los Angeles, reported the following observations:

1. White leghorn hens, bred for heavy egg production, develop osteoporosis spontaneously. This provides medical science with an experimental animal with which to test various hormones and other substances under investigation for treatment of the bone disorder.

Evidence of Relation
2. There is evidence of a relation between excessive secretion of the female hormone, estrogen, which is associated with heavy egg production, and osteoporosis.

3. ACTH administered to mildly osteoporotic hens leads to severe osteoporosis. But roosters do not develop the disorder even when ACTH is administered in large doses. This suggests an anti-osteoporosis factor that protects the roosters against the disorder. The contributory role of ACTH is not understood but it is thought the hormone is not a direct cause.

Fifteen per cent of otherwise healthy women and five per cent of men develop spontaneous fractures as a result of osteoporosis. Dr. Urist points out, "This three to one ratio of women over men further suggests an estrogen-osteoporosis relationship."

The fact that some elderly patients do not develop the disorder even under ACTH therapy for arthritis or other diseases is also considered evidence of an osteoporosis factor.

The UCLA researchers are initiating a Public Health Service-supported project designed to isolate and identify the substance. This would be a major step toward control and prevention of osteoporosis fractures of the hip and spine.



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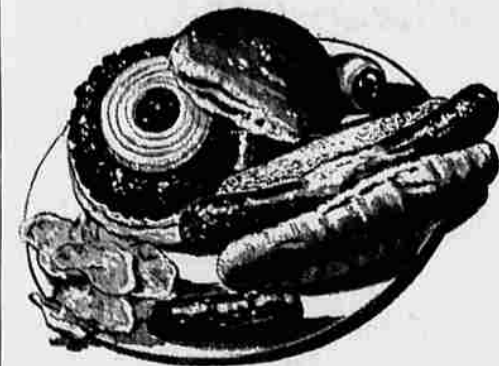
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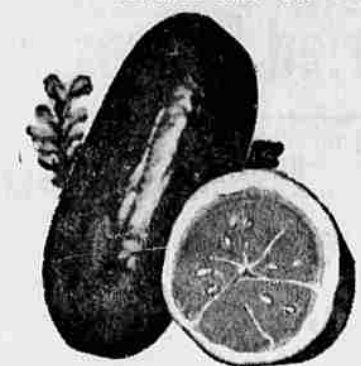
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