

NEW CHILDREN'S LIBRARIAN—George L. Williams recently joined the staff of the Public Library of Medford and Jackson county as children's librarian, according to Head Librarian Omar A. Bacon. Williams has had varied library experience by serving as head of the reserve books division of Ohio State university at Columbus for the past six years. Prior to that he had been head of the reference section of the Kanawha County Public library at Charleston, W.V. He has worked with children in church and community activities including camp counseling, Bacon noted. Williams holds bachelor of arts and master's degrees from Ohio State university and a master's degree in library science from Kent State university, Kent, Ohio. (Knackstedt photo)

Poison Glands Protect Toad From Predators; Use Is Noted

Corvallis—Warts on a toad are poison glands which protect the toad from predators such as skunks, racoons and owls. And toad warts don't cause warts on humans.

Dr. Robert M. Storm, associate professor of zoology at Oregon State college, said a toad is actually a pretty helpless, but useful animal because it eats insects, small slugs and other garden pests.

People who have sensitive skin may get a reddening and peeling of the skin from handling toads, Storm admits. But there is no evidence that toads cause warts.

12 Kinds of Toads, Frogs

Oregon has 12 kinds of toads and 9 are frogs. The three are Rocky Mountain toad (found in extreme eastern Oregon and along the Columbia river near Umatilla); spadefoot toad (found in the dry areas of eastern Oregon); and western toad (found almost everywhere in Oregon except in much of the Willamette valley and the Coast Range).

Main difference between a toad and a frog is that toads have a rough, warty, dry-looking skin and are found on land far from water, and frogs have a rather wet-looking, smooth skin and are usually near water.

Toads probably became adapted to a land existence so they wouldn't have to com-

pete with frogs for water space.

The most prevalent toad—the western variety—is not found in Willamette valley and the Coast Range, Dr. Storm speculated, because the steep mountain slopes and lack of shallow ponds in the western Cascades have kept it from moving from eastern Oregon into the valley.

It is possible that the western toad could spread to the valley, because it is found as far down as Leaburg on the McKenzie river. Another valley movement could come about because it is found abundantly in coastal ponds. The bull frog, an Eastern transplant, could keep the western toad from becoming too numerous in the valley because it is cannibalistic and would eat the young tadpoles and toads.

Once a toad gets by its first year, it is fairly safe from many predators because the numerous poison glands—the warts—develop and secrete a milky substance. Garter snakes, which are known to feed on toads, aren't bothered by the poison and could keep the toads from invading the Willamette valley area, Storm said.

Mystery Remains

It is still a mystery why toads do not exist in the Willamette valley, Storm continued. Another wonder is that

ates and keeps the toad cool. Just like built-in air conditioning, Storm said.

A unique trick of the spadefoot toad is that it can dig itself into the ground with spade-like projections on its feet and it can stay in the ground until it rains. Several weeks can lapse between its feedings.

Take Advantage

Spadefoot toads can take advantage of temporary water. They have been known to lay and hatch eggs and get them through the tadpole stage within two weeks by using cow tracks filled with water.

And just to keep the record straight, the animal known as

a horned toad is not a true toad, but a lizard. The western toad and rocky mountain toad have a body length of 4 inches when grown; the spadefoot's body is but 2 inches. Toads have been known to live 20 years. They vary in color from gray through yellow green and green to brick red.

Toads, Dr. Storm said, make good pets. They should be housed in a cool, moist place and can be fed any kind of living insects and earthworms.

Dr. Storm presently has a National Science Foundation research grant to study the embryology and relationship of Northwestern frogs.

Couple Faces Extortion Charges

Portland—(UPI)—Extortion indictments were returned Tuesday against Richard Bowens, 21, and Sybil Hunter, 20, who allegedly shook down an unidentified doctor because of his homosexual tendencies.

The doctor, 42, agreed to leave \$450 and a bus ticket to Seattle for the youth in an envelope beneath a shrub at an address in north Portland. He notified police and the young couple was arrested early Tuesday when they picked up the envelope.

\$1 Million Reactor To be Used by Army

Forest Glenn, Md. (Science section of Walter Reed Army Medical center. It will produce intense, self-limiting pulses of nuclear radiation to which samples will be exposed for short periods at repeated

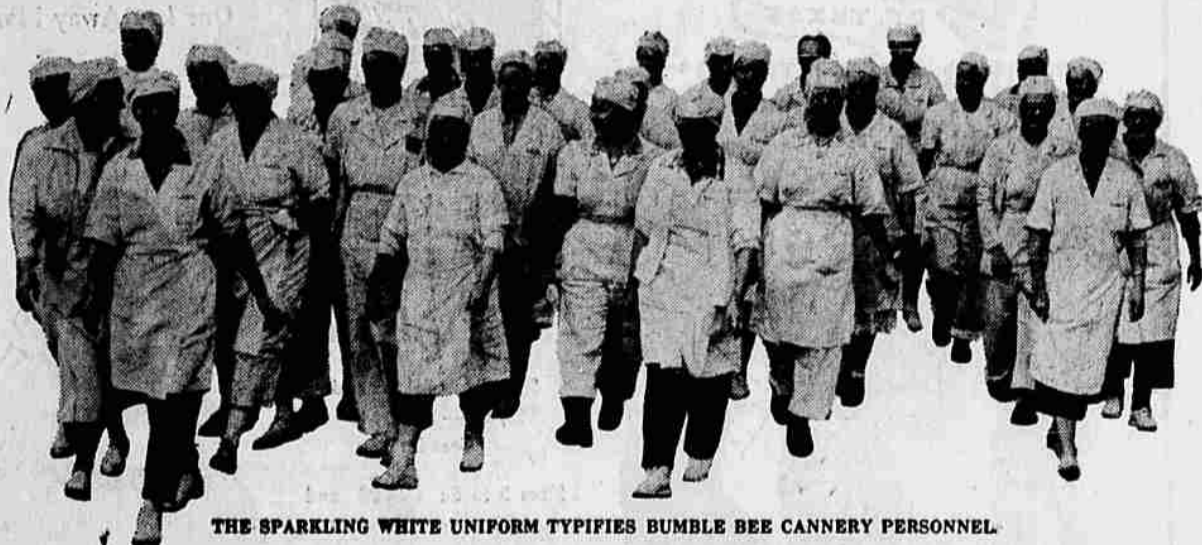
intervals. General Dynamics General Atomic division of San Diego, Calif., will design and construct both the pulsed TRIGA (Training Research Isotope Production) General Atomic) reactor and associated



BEST FOR OREGON'S TABLES

Oregon's own BUMBLE BEE Tuna and Salmon are truly "the best from the sea," and best satisfy your family's need for delicious, nutritional seafood. BUMBLE BEE Tuna—with its clearer, cleaner color, juicier texture, more delicate flavor. BUMBLE BEE Salmon—distinctive in flavor and

appearance, high in body-building protein, with many important vitamins and minerals essential to a well balanced diet. Satisfy your family's appetite for fine tuna and salmon with BUMBLE BEE Brand! Remember—for the finest seafood inside the can, look for the Bumble Bee on the outside.



THE SPARKLING WHITE UNIFORM TYPIFIES BUMBLE BEE CANNERY PERSONNEL.

BEST FOR OREGON'S GROWTH

Columbia River Packers Association, Inc. has played an important part in Oregon's growth for the 61 years it has been packing BUMBLE BEE Seafoods. It continues to show healthy expansion—

acquiring new facilities, providing steady, year-round employment for an increasing number of Oregonians, and contributing millions in new taxable wealth to Oregon's economy.

Bumble Bee

COLUMBIA RIVER PACKERS ASSOCIATION, INC., ASTORIA, OREGON



MID-SUMMER SHOE CLEARANCE

OPEN EVERY MONDAY AND FRIDAY 'TIL 9 P.M.

MEN'S DRESS SHOES

Many Styles To Choose From

REDUCED TO

Reg. 8.98 to 11.98 **8.44**

Broken Sizes 7-12 "CHARGE IT!"

CHILDREN'S SUMMER OXFORDS

REDUCED TO

Reg. to 4.99 **2.22**

Broken Sizes 10-3 200 Pair Only

WOMEN'S SUMMER SANDALS

Our Complete Stock of Summer Sandals Reduced for This Sale!

Reg. 2.99 to 4.99 **2.66**

Sizes 4-9

WOMEN'S FLATS

Styles and Colors Galore

REDUCED TO

Reg. 6.99 **4.44**

White, Black, Black Patent, Red, Bone and Gray—Sizes 5-9 Broken "CHARGE IT!"

Kerrybrooke Fashion Shoes

Fall and Spring Styles and Colors

DRASTICALLY REDUCED!

Reg. 8.98 to 10.98 **4.88**

Sizes 5½-9 Just Say "Charge It!"

CHILDREN'S FABRICS AMERICAN MADE

REDUCED TO

Reg. to 1.99 **1.33**

Broken Sizes 6-4 Red, White or Blue

ATTENTION LOGGERS AND HUNTERS!

We have just received 6 pair of caulked logger boots which we must sell this weekend. The following sizes ONLY—2 pair size 6; 2 pair size 6½; 2 pair size 12. First come first serve.

Reg. 24.98

REDUCED TO **10.88**

"Satisfaction guaranteed or your money back" SEARS 501 EAST JACKSON — SP 3-6661 Open Monday and Friday 'Til 9 P.M. FREE PARKING