



YACHT RESCUED—The yacht Wild Goose is proceeding under her own power today after being in danger of swamping some 200 miles from Honolulu. The Coast Guard dropped pumps and fuel to the stricken yacht and reached her by cutter late Wednesday. On board the 136-foot boat is a Maori "blue baby" being taken to Seattle for treatment.

(UPI Telephoto)

News About Books From the Library

Following is a list of new books processed at the Public Library of Medford and Jackson County.

General Works: New Definitions of School Library Service, Sara I. Fenwick.

Philosophy: Guide to Philosophy, Cyril E. M. Joad.

Religion: Inside the Vatican, Corrado Pallenberg.

Social Science: The Challenges We Face, Richard M. Nixon. The U.S. in World Affairs, 1959, Richard P. Stebbins.

Front Runner: Dark Horse, Ralph G. Martin. Walker's Manual of Pacific Coast Securities, The Communist Party of the Soviet Union, Leonard B. Schapiro; State and Local Governments, Charles R. Adrian; International Handbook of Universities, 1959; Beverly Hills is My Beat, Clinton H. Anderson.

Pure Science: This is Outer Space, Loyd Motz; From Galaxies to Man, John Pfeiffer; Exploring Nature with Your Child, Dorothy E. Shuttlesworth; Marty Mann's New Primer on Alcoholism, Marty Mann; Fallout, John M. Fowler.

Technology (Applied Science): Technology, Employment, and Output Per Man in Iron Mining, N. Yaworski; Care and Repair of Your Outboard, Hank W. Bowman; Fitting Out and Repairing Your Boat, James D. Canfield; Standard Handbook of Pleasure Boats, Robert J. Shekter; National Aeronautics and Space Administration Aeronautical Dictionary, Frank Davis Adams; Let's Go Flying, Martin Caidin; Flying Saucers: Top Secret, Donald E. Keyhoe; Introduction to Space, Lee Alvin DuBridge; Apprentice Automotive Repairman, U.S. Dept. of the Air Force; The Shetland Pony, L. Frank Bedell; Cats in Cahoots, Doreen Tovey; The Sea My Hunting Ground, Anthony Watkins; Food Values in Shares and Weights, Clara Mae Taylor; The Stove-Top Cookbook, Mala Reynaud; Northeastern Loggers' Handbook, Fred C. Simmons; Installation and Servicing of Domestic Oil Burners, Frank V. Mitchell; Corsage Craft, Glad Reusch; Picture Framing, Edward August Landon; Directory of the Historic Cabinet Woods, Lewis F. Hinckley.

The Arts and Recreation: How to Bring Up Your Child to Enjoy Music, Hyman H. Taubman; Song Index Supplement, Minnie Earl Sears; This Was Hollywood, Beth F. Day; Fun on Wheels, Dave Garro-way; Baseball's Greatest Managers, Edwin Pope; Sports Illustrated Book of Baseball, Sports Illustrated; The Skin Diver, Elgin Clampi; Practical Fresh Water Fishing, Francis E. Sell.

Literature: To a Master's Treasury, Edward L. Friedman; The Bible in Shakespeare, William Burgess.

Geography, Travel: Diving for Pleasure and Treasure, Clay Blair; Treasure Hunting Around the World, Thomas Helm; New Guide to Mexico, Frances Toor.

Biography: Dynasty: the Longs of Louisiana, Thomas Martin; Mark II and Strike II, Steve Allen; Hon. Edward D. Baker, John D. Baltz; The Earp Brothers of Tombstone, Frank Waters; The Life of

Michelangelo, Charles Hill Morgan; Nelson Rockefeller, Joe Alex Morris; Saint-Exupery, Maciel Migeo; Dr. Schweitzer of Lambarene, Norman Cousins; Subway to the Met, Kyle S. Crichton; Of Nature Time and Teale, Edward H. Dodds.

History: U.S. Army in World War II, Mary H. Williams; The Horse in Blackfoot Indian Culture, Smithsonian Institution; The Good Years, Walter Lord; Blue Water Boundary, Alida S. Malkus; The Old Oregon Trail; Northern California, Oregon, and the Sandwich Islands, Charles B. Nordhoff; Early Oregon, George E. Cole.

Adult Fiction: The Incredible Charlie Carewe, Mary Astor; Echo Answers, Margaret Banning; Lady Besieged, Florence A. Bauer; The Stars in Their Courses, Harry P. M. Brown; The Unicorn, Thomas G. Buchanan; The Burning Eye, Victor Canning; Tomfool's Pike, William K. Clarke; Kept Women Can't Quit, A. A. Fair; The Silent Hostage, Sarah Gainham; The Raven and the Sword, Matthew Gant; Away from Home, Rona Jaffe; Iron Man, Iron Horse, James Keene; Hearts Do Not Break, Josephine Lawrence; How Can the Heart Forget, Emily Loring; Earth Giant, Edison Marshall; The Pass Beyond Kashmir, Berkeley Mather; Enter Murder, Henry Sleser; A Silence of Desire, Kamala Taylor; Hall of Death, Nedra Tyre;

Juvenile Fiction: Only Jane, Molly Cone; The Dangerous Cove, John F. Hayes.

Easy Books: Candy Floss, Rumer Godden; Puff, William Wondriska.

Psychic, Phyllis Brett Young.

Young People's Non-Fiction: So You Want To Be a Scientist, Alan E. Nourse; First Men to the Moon, Werner Von Braun; Conqueror of Smallpox, Israel E. Levine.

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Hummingbird Is Only Bird Which Can Fly Backwards

Corvallis—Of all the birds in the world, the hummingbird is the only one that can regularly fly backwards for short distances.

And of the some 320 kinds of hummingbirds, only five can be found in Oregon and three of these are quite rare.

Dr. Robert M. Storm, associate professor of zoology at Oregon State college, said a hummingbird's backward flight make it possible for it to pull its bill from flowers after gathering nectar.

Wing beat of a hummingbird varies from about 55 to 200 times a second in fast flight. In comparison, a robin or sparrow flaps its wings 2 to 4 times a second. A hummingbird can fly 50 miles an hour. In the hummingbird, the flight muscles make up 40 per cent of the bird's total weight; for the robin it is 15 per cent.

Found in Oregon
The rufous hummingbird is found throughout Oregon. Fairly common and making visits to northeastern Oregon is the callope hummingbird. The three rare Oregon hummingbirds are the black-

chinned, broad-tailed and Allen's.

Oregon is the center of the nesting grounds of the rufous hummingbird. The rufous allays two eggs in its golf-ball size nest. Nests are located on top of a limb and the outside are covered with flakes of lichen to blend in with the surroundings.

Following the nesting period, the hummingbirds move up into the mountains to be where the most flowers are in bloom. Hummingbirds in Oregon are about three inches long, including the six-tenths-inch bill. Eggs are one-half

inch long.

New World Birds
What's not commonly known is that hummingbirds are strictly new world birds, having originated in South America with only a few coming to nest in North America.

The rufous, common to Oregon, spends the summer from Alaska to southern Oregon and goes to southern Mexico for the winter. It arrives in Oregon in late February and makes its 2,500 mile trek back in September.

Many transplanted Easterners mistake the rufous for the ruby-throated hummingbird

which does not come west of the Rocky mountains, Dr. Storm said. Confusion exists because the males of both species have brilliant red throats.

To feed, a hummingbird sticks its bill into a flower and sucks up nectar through a long, tubular tongue. They also take in lots of insects with the nectar and have been known to take insects in the air. They like bell-shaped flowers best.

Attracted to Yard
Hummingbirds can be attracted to a yard by using three-inch vials filled with sugar water and covered with

bright material like red foil. Male hummingbirds are notorious for their viciousness in defending the nest against any other birds and they will "take on" all comers up to and including hawks," Dr. Storm continued.

A surprising sight is the female feeding the young. When the female puts its bill into the mouth to feed the regurgitated nectar, it looks as if the young are being harmed, he said.

Approach Limits
Hummingbirds approach the limits of smallness in warm-blooded birds just as shrews approach the limits of small-

ness in mammals, Dr. Storm noted. Small warm-blooded animals need more energy to maintain their temperature. An if it were not for the adaptation which permits the hummingbird to drop its temperature just above its surroundings when it is not doing anything, like at night, it would have to eat all the time or die.

In South America, some hummingbirds are as large as swallows and others are as small as two inches. After nesting in Oregon, the hummingbirds and their young return to their ancestral home in southern Mexico.

Prize Musky Reveals Age By Its Rings

Madison, Wis. (Science Service) — A fisherman can tell the age of his prize musky by counting the rings on its vertebrae, in its fin bones or in its scales, according to Leon D. Johnson, fishery research biologist for the Wisconsin Conservation department.

The vertebrae of a cooked muskellunge are easy to separate, Johnson said. The circles on the ends of the vertebrae can be counted as year rings, much as the rings on a stump are counted to tell the age of a tree. The rings will be more evident after the bones have dried for a time, than on the fresh vertebrae.

A microscope is needed to count the rings in a cross section of the fin bones, after sawing off cross sections of the dried fins about the thickness of cardboard with a jeweler's saw. Light bands in the fin bone show the winter growth and dark bands the summer growth in the rings in the bone.

A microscope will be needed to count year rings on the scales. There is a wide summer growth and a narrow winter growth, the latter showing up as a thin line marking one annulus, or one year of growth.

Johnson warned that sometimes, if food becomes scarce during the summer, the musky may lay down a false year ring, and in very old muskies, the growth may become so slow and the rings placed so close together that it is hard to count them.

According to the U. S. Fish and Wildlife service, the average musky (Esox masquinongy) is three and one-fourth feet long and weighs about 15 pounds. The biggest catch on record was over five feet long and weighed 70 pounds, four ounces.

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