

Radar Used In Hunting Whales; Objectives Noted

By Frank Breece
(United Press Staff Correspondent)
London (UP) — A 33-year-old scientist is leading the expedition which has set off for the Antarctic in the whale factory ship Balaena to hunt whales with radar.

The expedition has a two-fold objective: Firstly, to examine the possibilities of using lean whale meat for human consumption, and secondly, to study the diving characteristics of whales to see if they will furnish any idea that may be utilized by the royal navy for its submarine craft.

The expedition, under the auspices of the department of scientific and industrial research, is led by Dr. R. A. M. Case, of the royal navy physiological laboratory.

Young Dr. Case has been studying the effects of high temperature, humidity and pressure on submarine crews. Before sailing, he said, "I am interested in the general physiology of the whale and the body mechanism which enables this curious mammal to lead a submarine existence. This subject is connected with the project of studying whale meat as possible food, because the character and composition of whale muscles are adapted to the requirements of its underwater existence."

Proteins For Growth
Case said there were indications that as indirect consequences of this submarine adaptation, the proteins of whale meat are of exceptional value for growth in comparison with the meat protein of land animals.

Case said the Balaena is equipped to handle a catch of 1,500 whale during her long cruise. A research team will make a detailed study of the catch. It will test the meat for palatability and study its acidity and nitrogenous extracts, which are the chief constituents of meat extracts. Separate records kept by the in-

Fine Five Get Attention at Cow Palace



Popular feature at the Grand National Livestock Exposition, San Francisco Cow Palace, are these five youngsters—quintuplets—four bulls and a heifer. They are (left to right) Russia, France, China, England and the United States. France is the heifer. The quint, each of which weighed 36 pounds at birth, now total 2050 pounds and will be one year old Nov. 20. They came from Fairbury, Neb., in a specially equipped private baggage car.

spector of the ministry of agriculture and fisheries and by the biologist of the discovery committee will assure the complete documentation of the huge catch.

Case said it is hoped that information obtained in conjunction with data collected by inspectors of other vessels may enable an accurate estimate of the characteristics of lean meat of the present whale population in the Antarctic.

The 15,000-ton Balaena, the most modern whaler factory ship afloat, is equipped with radar to locate the underwater mammals. The Balaena will act as mother ship for a fleet of 10 whale catchers. The factory contains one of the largest whale oil producing plants and is fitted with the most elaborate by-products plant yet installed in a whaler.

Quick Freezing Provided
A quick-freezing plant has been installed to freeze the choicest cuts of whale meat for human consumption. The frozen meat will be stored in the ship or transferred to refrigerator vessels. Three amphibious walrus air-

craft have been installed for use in spotting whales and reporting on weather and ice conditions. Test pilot John Grierson will be in charge of air operations. He has been assigned to prepare a report on the practical use of aircraft in whaling expeditions.

In addition to radar, the Balaena is equipped with asdic and elaborate radio. Other facilities include a cinema and a library.

Eighty members of the crew of 550 are British. The remainder are Norwegians under the command of Capt. Reider Pedersen.

The Balaena marks spectacular progress in whaling occupation—as great an advance as from the galleon to the Queen Elizabeth. The old whalers set out from the port of Hull in Elizabethan days and hunted whales in frail rowboats. Early whalers, pursuing their quarry from Resolution island to Cape York, killed whales with harpoons thrown by hand.

Today, whale catchers are equipped with automatic harpoons directed by precision instruments. The sailor of the lar-

board watch freezing on the fore-

yard spotted the whales. Today that is done by radar. There were no factory ships. The whales were lashed to the ship's side and hauled to port.

Powell Butte

Powell Butte, Nov. 20 (Special)
Mr. and Mrs. Henry Morrison, Mr. and Mrs. Avery Sherman, Mr. and Mrs. D. L. Penhollow and Mr. and Mrs. Henry Musick were local church people who attended the Ninety and Nine men's banquet in Bend Friday evening.

Mr. and Mrs. Sam Ritter visited Sunday afternoon with Mr. and Mrs. Owen Brown of southwest Redmond.

Mr. and Mrs. Henry Musick and daughters, Mr. and Mrs. Bruce Lindquist and family, Mr. and Mrs. Charles Covey and family, Mr. and Mrs. Henry Morrison, Mrs. Luke Reif and daughters, Lois Ann Bussett and Mr. and Mrs. D. L. Penhollow and family attended the dinner and church services at the Redmond Christian church Sunday evening. Mrs. Jack Shumway, Mrs. Neva

McCaffery, Mrs. Nina Elliott and Mrs. Henry Musick attended a luncheon and district meeting of the Federated Garden clubs at the Pilot Butte inn in Bend Tuesday.

Mrs. Nina Elliott, Mrs. Jack Shumway, Mrs. Neva McCaffery, Mrs. Roy Roberts and Mrs. Edgar Peterson attended a potluck dinner at the home of Mrs. Lou Franks in Redmond Monday evening when the state officers of the Federated Garden clubs in Portland were entertained.

Luke Reif went to Combs Flat Tuesday to help his father, Frank Reif, Sr. do some butchering.

Mr. and Mrs. A. V. Stevens, accompanied by Bruno Reif, of Combs Flat, returned Saturday evening from Hood River where they had attended a Farm Bureau Federation State Convention. They went down Wednesday.

Glenn Kissler, accompanied by Carl Boyd, of Prineville, went to John Day Thursday to do some elk hunting.

Bud Harns, Harold Ashford and Bill Griswold left Saturday for the John Day country to hunt elk.

Luke Reif went to Portland Wednesday evening where he attended the National Grange convention on Thursday and Friday. He returned Saturday.

Arnold Boyajian and Bill Reasens, from the Swan Island Navy base in Portland, spent the week end at the home of Mr. and Mrs. Luke Reif and family.

Mr. and Mrs. Floyd Raynes returned Tuesday from a week's trip to Cottage Grove and Sweet Home.

C. L. Worrell was taken to the Redmond Medical Dental hospital Saturday for a few days' observation.

Henry Musick, Vern Herbst, Bud Mustard and Jesse Wilson returned Thursday from an elk hunting trip in the Granite Creek country where each bagged his elk.

The local church is sponsoring a potluck Thanksgiving dinner at the school house Sunday following the church services and the entire community is invited. A special invitation is extended to all new comers.

Mrs. Liza Joseph of California and Mrs. Oren Sleasman and children of north Redmond were callers Sunday at the home of Mr. and Mrs. T. C. Haynes and family.

Mr. and Mrs. Willis Porter and two sons of Chehalis, Washington, were callers Saturday at the home of Mr. and Mrs. T. C. Haynes and family. Mrs. Porter will be remembered as Miss Mabel Cox and they were enroute to Prineville to visit her mother.

Theodore and Oren Sleasman went to Portland Sunday to visit their mother, Mrs. Margaret Sleasman, who is in the hospital there suffering from a broken leg.

Mr. and Mrs. Eneard Gentry and Mrs. Laura Westeson, teachers in the local school, are taking the general extension work now being conducted in Bend on Monday and Wednesday evenings. They are studying school law.

Mr. and Mrs. Charles Coburn and family of Lone Pine moved over the week end to the old George Aldrich place and will be employed by Charles Covey, Darlene, Gordon and Charles, Jr. have entered the first, third and fourth grades at school.

Doris McFadden of Redmond spent Saturday night and Sunday with Edith and Ardith Reif.

Mrs. Pearl Crum of northwest Redmond returned to her home Wednesday after staying with the Lloyd Bussett children while their parents were in Portland.

Mr. and Mrs. J. C. Minson made a trip to Salem and back Friday. They visited Mr. and Mrs. E. P. Luthy, former residents here.

Mr. and Mrs. Ira Carter and son, Sidney, went to Eugene Saturday where they spent the week end with their son-in-law and daughter, Mr. and Mrs. Dale McKenzie. They celebrated Mr. Carter's birthday.

Mr. and Mrs. Harry Carlson returned Wednesday from a ten-day trip to Montana to visit relatives. The trip was made by United Airlines.

Mr. and Mrs. Roy Snabel and daughter left Thursday by United Airlines to spend ten days visiting the latter's sister in San Francisco.

Powell Butte Grange met with

a good attendance Friday evening when Mrs. Glenn Ritter was given the obligation by Wilson Porter, and elected the following officers to serve during 1947: Master Bill Rachor, Overseer, Ellsworth Dickson, lecturer Alice Reif, Steward, Nick Rachor, assistant steward, Glenn Ritter, Chaplain, Mabel Bozarth, treasurer, W. C. McNely, Secretary, Elizabeth Rachor, gatekeeper, Bruce Lindquist, Ceres, Pat Dickson, Pomona, Mrs. Glenn Ridgeway, Flora, Leota Kissler, Lady assistant steward, Carolyn Ritter, executive committee, Melvin Foster, Luke Reif and Clifford Dickson. Mrs. Louis Flock was elected as musician. The next meeting will be on Dec. 6 and will probably be joint installation of officers.

Mr. and Mrs. Leonard Rice and his brother, Earl Rice of Sweet Home, came Thursday to visit their sister, Mrs. William Rachor and family.

Mrs. John Cronin returned Wednesday evening after having been absent from home for the past two months. She visited in California and returned by way of Seattle and Eugene.

Word has been received here of the birth of a son to Mr. and Mrs. Jack Norton of Walla Walla, Washington. The baby has been named Thomas John. Mr. Norton was a former resident of this community.

Ten members of the Sororis club met with Mrs. Frank Bowman in Redmond Wednesday afternoon. Mrs. Amelia Bowman, Mrs. Betty Jean Dunnekin and Mrs. Betty Jean Dunnekin and Mrs. meeting will be the annual Christ-

mas party with a 1:30 potluck luncheon at the home of Mrs. Lloyd Bussett on Dec. 11.

Mr. and Mrs. Charles Minson spent Thursday in Bend where they visited her uncle and aunt and other friends.

Ellen Love returned to her home in Malilla Thursday by United Airlines after spending a few days with her sister, Mrs. Lloyd Bussett and family.

The Big Three Bowling league held their election of officers in Redmond Thursday evening and elected Bud Harnes of Powell Butte as president. Other officers are Dan Lawler of Prineville, first vice president, Pinky Cowles of Redmond, second vice president, Bob Toney of Redmond, third vice president Cordelle Gabor of Redmond as secretary-treasurer.

Lone Pine school came to Powell Butte Friday morning where they joined with the local school in taking the audiometer test conducted by the State Health association.

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