

# TELL SHIPS OF OCEAN NOISES

### Secret Ears to Be Placed on Merchant Ships by the Government.

## TEST PROVES IT A SUCCESS

#### Hydrophone, Government Controlled Invention, Can Explain Many Sea Mysteries—Tried Out on Destroyer.

New York.—In olden times when Chinese shipbuilders designed and constructed their lateen-rigged craft for war or commercial purposes, prominent and oftentimes ferocious "eyes" were located on either side of the bow.

Today modern America, now the leading nation in ship construction, is proposing to equip her merchant vessels with "ears." The location of which, like the eyes on the Chinese junk, are on the ship's bows, but under instead of over the water. While superstition induced the Chinaman to equip his ship so it could "see" its enemies and work its way into a safe port through shoal water, hidden rocks and through crowded waterways, science has designed the "ears" for the same purpose.

#### Test Is Made.

With the destroyer Brockenridge equipped as a demonstration ship, 40 or more representatives of leading steamship lines have just had an opportunity to see and test the efficacy of the listening device. It is now a government-controlled invention, used on fighting ships during the war as a protection against submarines and officially designated by the navy as "the M. V. type hydrophone." Its object is to disclose in surrounding waters the presence of other craft, to forestall the approach to shoal waters, apprise the navigator of the vicinity of lightships equipped with submarine bell signaling devices. It is expected also to disclose with a remarkable degree of accuracy the depth of water where in the ship so equipped is floating.

#### Tells Depth of Water.

The apparatus includes 48 hydrophone receivers located in a tank of water in the bow of the vessel so that an equal number is on either side. In the test the sound of the propellers of a steamer five miles distant was heard. The depth of the water is ascertained by listening to the noise made by the propellers of the vessel carrying the hydrophone as it is echoed back from the bottom of the sea. In depths beyond 100 fathoms, however, the hydrophone refuses to record, it was explained, but as a majority of collisions occur near a coast line and at congested harbor entrances, the inventors and officers of the navy predict that its adoption will remove many of the hazards of navigation now caused by fog.

Dr. H. C. Hayes, formerly of Swarthmore college, said the device had been installed on one transport, Von Steuben, and on one occasion probably saved the ship from running aground on the Long Island shore during a heavy fog. Doctor Hayes also claims that the invention will enable a mariner to locate icebergs, through the reflecting back to the operator from the submerged portion of a dangerous berg the sound of the operating ship's own propellers.

## ADD VARIETY TO DAILY FARE

#### Marines Prefer Alligator Steak to Broiled Lizard for a Steady Diet.

Managua, Nicaragua.—Perhaps alligator steaks would never appeal to the fastidious diners in first-class restaurants, but United States marines at posted to the American legation guard here, say they are the real thing for adding piquancy to the daily fare.

Marine sharpshooters make a specialty of bagging young alligators. When the skin is removed steaks are cut from the fleshy part of the tail. The meat is clear white, is palatable and has something of the flavor of halibut.

Another variety in the bill of fare is broiled lizard. The iguana, or giant lizard, has been used for food by the natives for many years. The marines say that iguanas make fine chow, but they prefer alligator for a steady diet.

## Man Fell Into Bear Pit; Arm and Leg Torn Away

August Kubler, a medical student at Berno, Switzerland, was terribly mauled by bears into whose pit at the zoological gardens he had fallen while he was throwing carrots to them. He was taken to the hospital in a serious condition, his left leg and left arm being entirely torn away.

Let the Defense Hang Itself. Noblesville, Ind.—Mrs. Rosa Davis, administrator, suing the Central Indiana Railroad company for the death of her husband, Charles E. Davis, didn't have any witnesses, but on the evidence of the railroad's witnesses she was awarded a verdict of \$3,000. All testimony for Mrs. Davis was brought out on cross-examination.

## LEGAL NOTICES

### NOTICE OF FINAL SETTLEMENT

IN THE COUNTY COURT OF THE STATE OF OREGON, FOR MORROW COUNTY.

In the Matter of the Estate of Bitha Wiglesworth, Deceased. Notice is hereby given that the undersigned, Administrator of the Estate of Bitha Wiglesworth, deceased, has filed his final account in the County Court of Morrow County, Oregon, and that Wednesday, the 25th day of August, 1920, at the hour of ten o'clock in the forenoon of said day, and the County Court room in the County Court House at Heppner, Morrow County, Oregon, is the time and place set for the hearing of objections thereto, and the settlement thereof.

W. E. WIGLESWORTH, Administrator of the Estate of Bitha Wiglesworth, Deceased. First Publ. June 23, 1920. Last Publ. Aug. 24, 1920.

### NOTICE TO CREDITORS

IN THE COUNTY COURT OF THE STATE OF OREGON, FOR MORROW COUNTY.

In the Matter of the Estate of Albert Matteson, Deceased. Notice is hereby given that Julia Matteson has been duly appointed by the County Court of Morrow County, Oregon, Administratrix of the Estate of Albert Matteson, deceased.

All persons having claims against said Estate are notified to present the same to me at the office of my attorney, Sam E. Van Vactor, at Heppner, Oregon, within six months from the date of the first publication hereof, with the proper vouchers duly verified.

Dated and first published this 29th day of June, 1920.

JULIA MATTESON Administratrix of the Estate of Albert Matteson, deceased. First Publ. June 29, 1920. Last Publ. Aug. 24, 1920.

### NOTICE FOR PUBLICATION

Department of the Interior, U. S. Land Office at The Dalles, Oregon, June 17th, 1920.

Notice is hereby given that ELIZABETH STAMPER of Lexington, Oregon, who, on Nov. 24th, 1916, made Homestead Entry No. 015063, for 2 1/2 N 1/2, N 1/2 SE 1/4, Section 22, Township 1 South, Range 26 East, Willamette Meridian, has filed notice of intention to make final three-year Proof, to establish claim to the land above described, before J. A. Waters, Clerk of the Circuit Court, at Heppner, Oregon, on the 4th day of August, 1920.

Claimant names as witnesses: Dan J. Way, W. J. Lauder, G. B. Swagert, B. F. Swagert, all of Lexington, Oregon.

H. FRANK WOODCOCK, Register.

### NOTICE FOR PUBLICATION

Department of the Interior, U. S. Land Office at La Grande, Oregon, May 15, 1920.

Notice is hereby given that, FRIEDRICH RAUCH, of Echo, Oregon, who, on November 2, 1915, made Homestead Entry No. 015264 for E 1/2, Section 20, and on March 8, 1920, made Additional Homestead Entry No. 017354, for SW 1/4, Section 20, and E 1/2 NW 1/4, Section 8, Township 1 North, Range 28 East, Willamette Meridian, has filed notice of intention to make three-year proof, to establish claim to the land above described, before J. A. Waters, Clerk of County Court, at Heppner, Oregon, on the 20th day of July, 1920.

Claimant names as witnesses: Tony Vey, Price Munkers, Frank Irwin, Julian Rauch, all of Echo, Oregon.

C. S. DUNN, Register.

Stockraising homestead entry, Act December 29, 1916, (39 Stats., 862.)

### NOTICE FOR PUBLICATION

Department of the Interior, U. S. Land Office at La Grande, Oregon, June 15, 1920.

Notice is hereby given that SHERMAN SHAW of Heppner, Oregon, who on November 12, 1916, made Additional Homestead Entry, No. 018725, for N 1/2 NE 1/4 and N 1/2 NW 1/4, Section 26, Tp. 2 South, Range 27 East, Willamette Meridian, has filed notice of intention to make three-year Proof, to establish claim to the land above described, before Clerk of County Court, Morrow County, at Heppner, Oregon, on the 8th day of August, 1920.

Claimant names as witnesses: T. J. Matlock, Guy Boyer, Ralph Jones, Frankasmus, all of Heppner, Oregon.

C. S. DUNN, Register.

### NOTICE FOR PUBLICATION

Department of the Interior, U. S. Land Office at La Grande, Oregon, May 15, 1920.

Notice is hereby given that KATHERINE DOHERTY, of Lena, Oregon, who, on March 25, 1916, made Homestead Entry No. 015687, for SE 1/4, Section 32, Township 1 South, Range 29 East, and Lots 1 and 2 and S 1/2 NE 1/4, Section 5, Township 2 South, Range 29 East, Willamette Meridian, has filed notice of intention to make three-year proof, to establish claim to the land above described, before J. A. Waters, Clerk of County Court, at Heppner, Oregon, on the 22nd day of July, 1920.

Claimant names as witnesses: Francis McCabe, John Keegan, Phil Hirl, Mack McGuire, all of Lena, Oregon.

C. S. DUNN, Register.

### NOTICE FOR PUBLICATION

Department of the Interior, U. S. Land Office at The Dalles, Oregon, May 15th, 1920.

Notice is hereby given that JOHN P. CONDER, of Heppner, Oregon, who, on March 15, 1917, made Homestead Entry No. 018585, for Lots 1-2 S 1/2 NE 1/4, Section 2, Township 1 North, Range 26 East, Willamette Meridian, has filed notice of intention to make final three year proof, to establish claim to the land above described, before J. A. Waters, Clerk of the Circuit Court, at Heppner, Oregon, on the 7th day of July, 1920.

Claimant names witnesses: Bernard P. Doherty, of Echo, Oregon; Cornelius Melville, of Echo, Oregon; Oness V. Gibson, of Echo, Oregon; William E. Finley, of Lexington, Oregon.

H. FRANK WOODCOCK, Register.

### NOTICE FOR PUBLICATION

Department of the Interior, U. S. Land Office at La Grande, Oregon, June 15, 1920.

Notice is hereby given that GEORGE M. VINSON of Lena, Oregon, who on August 9, 1916, made Additional Homestead Entry, No. 016299, for NW 1/4 NE 1/4, E 1/2 NW 1/4 and NE 1/4 SW 1/4, Section 22, Township 1 South, Range 29 East Willamette Meridian, has filed notice of intention to make three-year proof, to establish claim to the land above described, before Clerk of County Court, Morrow County, at Heppner, Oregon, on the 4th day of August, 1920.

Claimant names as witnesses: George M. Vinson, of Lena, Oregon.

C. S. DUNN, Register.

Claimant names as witnesses: George Pearson, Howard Pearson, Frank McCabe, Marsh Courtney, all of Lena, Oregon. C. S. DUNN, Register.

### NOTICE FOR PUBLICATION

Department of the Interior, U. S. Land Office at La Grande, Oregon, June 15, 1920.

Notice is hereby given that WILLIAM F. PETTYJOHN Echo, Oregon, who, on December 23, 1945, made Homestead Entry, No. 016878, for SW 1/4 NW 1/4, N 1/2 SW 1/4 SE 1/4 SW 1/4, S 1/2 SE 1/4, NE 1/4 SE 1/4, SE 1/4 NE 1/4, Section 34, Tp. 1 N., R. 28 E and on March 1, 1920, made Ad. H. E. No. 019492, for NE 1/4 NE 1/4, NW 1/4 NW 1/4, NW 1/4 SE 1/4, Sec. 34, Tp. 1 N., R. 28 E. and Lot 1, Sec. 2, Tp. 1 S., R. 28 E., Willamette Meridian, has filed notice of intention to make three-year proof, to establish claim to the land above described, before Clerk of County Court, Morrow County, at Heppner, Oregon, on the 3rd day of August, 1920.

Claimant names as witnesses: W. E. Wiglesworth of Echo, Oregon, Geo. Cummins of Lena, Oregon, Mack Gentry of Lena, Oregon, Fred Coxen of Lena, Oregon.

C. S. DUNN, Register.

Stockraising homestead entry, Act December 29, 1916, (39 Stats., 862.)

### NOTICE TO CREDITORS

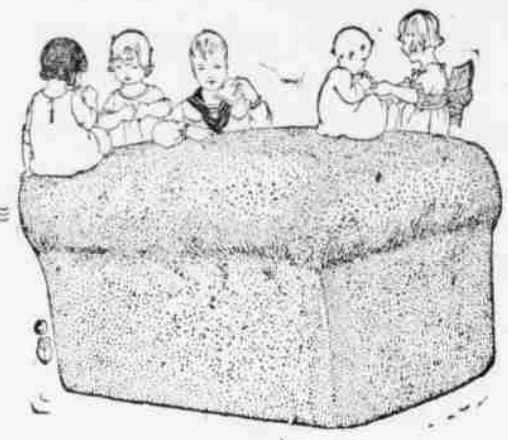
Notice is hereby given that John McCartan has been duly appointed administrator of the estate of Frank McCartan, deceased, by the County Court of Morrow county, Oregon. All persons having claims against said estate are notified to present the same to me at the office of my attorney, F. A. McMenamin in Heppner, Oregon, within six months from the date of the first publication of this notice, with vouchers duly verified.

Dated and first published this 8th day of June, A. D. 1920.

JOHN MCCARTAN, Administrator of the estate of Frank McCartan, deceased. 6-10

The longest orchard in the world is that of the Dufur Land and Orchard company, seven miles from The Dalles. It is nine miles in length, occupies 5000 acres and is mostly apples.

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Ask about prices and terms on these high grade machines.

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And you can't establish credit over night. Rather, it is a matter of becoming KNOWN at your bank, of establishing confidence by the way in which you have kept your account, regardless of the amount you have to your credit.

Get acquainted—that's the first thing. Then develop that acquaintance into friendship. It will stand you in splendid stead when the time comes. Remembering also, that this bank offers you a complete banking service.

Farmers & Stockgrowers National Bank HEPPNER, OREGON.

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With hay selling readily in the stack at from \$16 to \$30 per ton in this great permanent stock country, and three and four large crops each year, an alfalfa ranch is a sure winner.

Here it is:

## 160 Acres on Lower Willow Creek

120 acres under the ditch and worlds of free irrigating water. About 75 acres of growing alfalfa and more ground already prepared for seed. Fair improvements. In the best alfalfa region of Morrow county. Get this quick and raise your own feed or help supply the hay market.

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