

New Research Started Into Unseen Plants Along Coast

Corvallis - Plants and animals that grow on Oregon soil have been the basis for a century of research, but the vastly greater numbers of unseen plants and animals that float in the ocean waters off Oregon are the concern of new studies by the Oregon State college oceanography department.

The new research is headed by Dr. Herbert F. Frolander, one of the nation's top experts on plankton - the microscopic plants and animals that drift with the currents and that are the "basic foodstuffs" for all ocean life.

The long-range studies will give new understanding about the Oregon ocean; are carefully tied in with other OSC research on currents, water temperature, salinity, tides

and the ocean floor; and will help lay the foundation of knowledge that may one day lead to "harvesting food" from the sea.

Need Plants

Higher animals of the ocean cannot exist without plants any more than can man, Frolander explained. And once you get out in the deep water where bottom algae disappears because light can't reach the ocean floor, the floating plant plankton is the essential "first link" in the complex life-chain in the sea. It is the only manufacturer

of food in vast areas of the ocean - the "pasture" of the sea so to speak.

Plankton includes a tremendous range in the animal kingdom in addition to plant materials, Frolander emphasized. Many tiny sea animals come in the plankton classification during the early stages of life when they are too young to do more than float in the water. The "graduate" from the plankton class, to become perhaps a tuna fish or a Dungeness crab, when they are big enough to propel themselves or to sink to the bottom.

Member of Class

One important member of the Crustacea class (which includes shrimps, crabs and lobsters) that remains forever as a plankton is the Copepoda. It plays a role similar to that of cattle on land although these "grazers" are only a fraction of an inch long as adults.

As an example of the sea food-chain, Frolander pointed out that salmon live on herring, but herring live on plankton, such as the Copepoda, combed out of the water by the gills. Whales eat vast

amounts of animal plankton in much the same manner. Plankton, both plant and animal, is the basic food also for oysters, clams, scallops, and all other sea life, Frolander noted.

Almost nothing is known about what forms make up the major species of plankton off Oregon, their quantity, or seasonal variations. The OSC research, which is sponsored by grants from the Office of Naval Research and National Science Foundation, will answer these questions and more.

Frolander and other OSC ocean scientists have been making plankton collections for the past six months in Yaquina Bay. They already have discovered great differences in plankton species and numbers at different spots in the bay.

Special Nylon Nets

Collections are made with special nylon nets attached to towing devices that measure the volume of water strained. Extremely fine nets are needed to pick up some plankton types.

Once the OSC research vessel, Aeona, is completed next year, plankton collections will be made regularly at various stations off the Coast.

While plankton types are usually microscopic, some forms may be 6 or 7 feet across - such as one jelly fish, Cyanea, with its long trailing tentacles. A few such as the Cyanea, found in some waters off the northwest coast, and the fearsome Portuguese man-of-war in tropical waters have stinging cells that are dangerous.

Plankton in a sense can serve something like "living drift bottles," Frolander believes, indicating what types of higher sea life will be present and where the water masses come from and are going. When you say that plankton is found in a volume ratio of less than 1 part per million parts of water, it may sound insignificant, but it isn't, Frolander added. The total volume of plankton is tremendous in the great ocean regions.



VETS'
PETS PREFER
NEW VETS' NUGGETS
OF NOURISHMENT
Top quality...
money-saving low price!
Help provide guide dogs for the blind - see Vets' labels for details!

Board of Health To Discuss Hiring Officer in County

The Jackson county board of health may hold an informal meeting Monday to discuss the possibility of obtaining a public health officer.

Dr. C. I. Drummond, present Jackson county health officer, is now on leave of absence until Oct. 1 because of ill health, County Commissioner Ralph James said. Health board members who hire the public health officer hope Dr. Drummond will be able to return to his duties then.

However, Jackson county has been without a public health officer since June 1 when Dr. Drummond became ill.

Dr. Martin L. Voorheis was considering the temporary appointment as public health officer but had to decline because of business reasons. Other local doctors are being contacted for the temporary job. Salary Authorized

The county court has authorized a salary of \$12,600. This is \$2,400 under the \$15,000 Dr. Drummond has been receiving.

Dr. A. Erin Merkel, former Jackson county public health officer, received \$12,600 a year. Dr. Merkel left a year ago for a position in the San Diego, Calif., public health department.

County Judge Earl Miller said "there's a possibility Dr. Merkel may return to Jackson county if his former job is open."

Members of the local health board are Judge Miller, County School Supt. Alf B. Mekold, Medford City Councilman Ed Hall, Dr. Lawrence Ellis, dentist, Dr. B. B. Bartels, H. P. Jewett, Central Point, and Eugene Thorndyke.

4-H Club News

EP Horse Club
The Eagle Point Desert Pegasus 4-H club held their July meeting at the Dunn ranch July 23.

Entry blanks for the Jackson county fair were made out and Mr. Dunn gave us instructions in the pre-fair events.

Our pre-fair will be held at 1 p.m. at the Dunn ranch July 31. Vick Stewart will be our judge. We extend an invitation to all other 4-H horse clubs.

We are sorry to report one of our club members, Laura Mae Nobel, is in Sacred Heart hospital. Her horse slipped and fell with her while she was helping her grandfather, Vernie Mathew, with his cattle.

Leslie Kranbeal, Reporter.

Meadows Busy Beavers

The July meeting of the Meadows Busy Beavers 4-H club was called to order by Ruth Ellis, president, July 16 at the home of Mr. and Mrs. Orville Mose. Eight members and five visitors were present.

Visitors were Mrs. Davis, Mr. and Mrs. Orville Mose, and out of state visitors Karon and Lee Caery from San Jose, Calif.

Bill Ellis gave a treasurer's report. We found out what kind of plant to buy for our community project. We decided to all put up our 4-H signs.

Six of our members plan to go to 4-H summer camp at Lake of the Woods. Bill Ellis and Stanton Hall will give demonstrations next meeting.

The meeting was adjourned. Demonstrations were given by Mrs. Davis, Shirley McAllister and Tim Pleasant.

Next meeting will be at the home of Stanley Hall Aug. 12 at 8 p.m.

Cynthia Pleasant, Reporter

U. N. CONGO TROOPS

Washington - (UPI) - The State Department reports there now are more than 7,500 United Nations troops in the Congo, including 5,835 who were flown in by U.S. planes.



Western Auto
The Family Store

NOW NOW NOW
is the time to Save!

HUNDREDS OF REAL BARGAINS!
FURNITURE - TIRES - GARDEN SUPPLIES

Only 4.25 Down, 1.25 weekly



Relaxing Chair
Big Comfort **39⁸⁸**

Never before so many features in a relaxing chair at only \$39.88. Comfort . . . polyfoam padded . . . kidney roll for added comfort . . . nylon upholstery . . . supported plastic . . . extra high back . . . pillow type for head comfort . . . beautiful styling.

Red Hot!

- SOFA PILLOWS, Assorted styles and colors. Reg. \$1.69.....SALE **\$1¹⁹**
- MAPLE 3-LEGGED TV FOOT STOOLS, No. 100, Reg. 2.49.....SALE **\$1⁹⁸**
- 1 ONLY, BEACH UMBRELLA, Ideal for beaches or picnics, heavy canvas. Reg. \$13.50.....SALE **\$8²⁵**
- BATHINETTE, pink, high strength metal frame, sag-proof tub. Plastic. 7J1058. Reg. \$17.95.....SALE **\$11⁹⁵**
- 9"x9" LINOLEUM TILE, assorted styles and colors. Reg. 14c ea.....SALE **10^c**
- STARLINE LAMPS, use as pinup or T.V. White and brass. Assorted Styles. No. 205. Reg. \$2.98.....SALE **\$2⁴⁹**
- 9 FT. VINYL LINOLEUM YARDAGE, Assorted patterns and colors. Reg. \$1.49 sq. yd.....SALE **90^c sq. yd.**
- ALL PURPOSE THROW RUGS, Washable nylon blend. No. 16. Reg. \$1.29.....SALE **98^c**
- OCCASIONAL CHAIRS, Ideal for patio or den. Beige or coral. 8JC2200-01. Reg. \$15.95.....SALE **\$10⁹⁹**
- VENIC VICOSE RUGS, Assorted colors. 8JC2001. Reg. \$2.49.....SALE **\$1⁸⁸**



9 PIECES
188⁸⁸

The Living Room

5.00 Down - 3.50 Week
188⁸⁸
This beautiful grouping includes 2 pc. daveno set, upholstered in long wearing frieze—popular colors, 2 step tables in Mahogany, limed Oak or Walnut, 1 matching coffee table, 2 decorator table lamps and 2 decorator pillows . . . A SUPER VALUE!!

The Bedroom

5.00 Down - 3.50 Week
188⁸⁸
Two piece bedroom set with big dresser, dust proofed drawers and center drawer guides with bookcase bed—Hotel Special Mattress and box spring . . . chenille bed spread and 2 Kapok bed pillows, which are non allergic. SAVE MORE NOW!!

The Dinette

5.00 Down - 2.50 Week
119⁸⁸
One of the most versatile dinette sets ever offered—one set for a large family, or the small table can be used for the kiddies. One 24" table, 1 60" table, making a full 84" table and 8 smart matching chairs.



7 PIECES
188⁸⁸

BIG EXTRA SAVINGS If You Buy All 3 Outfits!

26 Pieces
10.00 Down
6.00 Week
459⁸⁸

Satisfaction Guaranteed



10 PIECES
119⁸⁸



PRICES TUMBLE!

Davis Silent Sentry Nylon
Tread-Life Road Hazard Guarantee
6.70x15 Black Tube Type
10⁸⁸
Plus Fed. Tax & Retreadable Tire


6.70x15 Whitewall Tube
Type Now Only **13.88**
Plus Fed. Tax & Retreadable Tire

Stronger-Than-Steel 100% Nylon Cord—Greater Blowout Protection!

Time-Tested Ribbed Tread Design—Worry-Free, Longer Mileage!

Excellent Traction Anywhere!

NO MONEY DOWN
Trade-In Tire Is Down Payment
Davis Tires—Chosen by American Motorists Over 32 Million Times!



Hose Prices Slashed

- Wizard Economy 50-Ft. Plastic Hose. 7/16" inside diameter. Full-flow couplings. 1 yr. guarantee. Reg. 1.95..... **1.69**
- Wizard 50-Ft. Opaque Plastic Hose. 7/16" inside diameter. Lightweight. Ribbed. 3 year guarantee. Reg. 2.25..... **1.99**
- Wizard 25-Ft. Opaque Plastic Hose. 1/2" inside dia. 8-yr. guar. Reg. 2.25..... **1.77**
- 50-Ft. 8-Yr. Guar. Reg. 3.39..... **3.08**
- 75 Ft. 8 Yr. Guar. Reg. 4.89..... **3.88**
- Wizard 20-Ft. Soaker-Sprinkler Vinyl plastic for long wear. Reg. 1.25..... **88c**



POWER MOWER CLEARANCE

- WIZARD ECONOMY 18", 2 1/4 H.P. 2-Cycle Clinton Motor. **33⁸⁸**
- 2XC3008. Was 40.95..... **33⁸⁸**
- WIZARD CUSTOM 19", 2 1/4 H.P. 4-cycle Fingertip throttle. **53⁸⁸**
- 2XC3017. Was 61.95..... **53⁸⁸**
- WIZARD DELUXE 22", 3 H.P. 4-cycle. Many extras. Low priced. **51⁸⁸**
- 2XC3021. Was 61.95..... **51⁸⁸**
- WIZARD RIDING 25". Deluxe, 3 1/2 H.P. 4-cycle. **208⁸⁸**
- 2XC3045. Was 237.95..... **208⁸⁸**

Wizard Mowers—Chosen for Quality Over 1 Million Times!

— FREE — **FREE Wheel Balance Check** **—**
Tire Mounting **Pay only for weights if needed.**

Satisfaction Guaranteed or Your Money Back. Shop Our Catalog Order Department.

25 South Riverside **FREE PARKING IN REAR OF OUR STORE** Phone SP 2-6217
Store Hours: Monday and Friday 9 a.m. to 9 p.m.
Tuesday, Wednesday, Thursday, Saturday, 9 a.m. to 5:30 p.m.

Western Auto Park Shop