CLASSIFIED ADVERTISING.



sides Latin, Greek and mathematics, of Professor A. D. Mead of the departeven if those studies are still a proper ment of biology at Brown, who has also 000 to 100,000 in number, according to part of a liberal education. The story for some years been in the service of her size. In June and July these hatch of Louis Agassiz's giving a student who the Rhode Island Commission of Incame to him to learn zoology a lot of land Fisheries, a number of students clam shells with instructions to take who have attained some proficiency in a premium for good sized lobster. "in them away and study them is familiar the natural sciences have each year berry," as the technical term is. The to almost everyone. But for a group s-rved with the assistant director in of husky young fellows to spend their charge of the work. Ertest W. Barnes, purposa in hand. whole summer in a sleeping tishing vil- With ordinary expenses paid by the ligo incessantly feeling and observing State in exchange for their services, with lobater's eggs when they are ready to schools of tiny lobsters, recording almost the opportunities of an outdoor summer limitless statistical data in note books in a quiet picturesque village on Nar- canvas bags, with the water still, are and drawing pictures of the diminutive regarsett Bay, with a cottage camp on plunged a score or more of the females beasts in their various stages of devel- a breezy point of land, a boating experiopment-why, that's enough certainly ment station on which the bathing suit through the shells of the eggs. Soon the to excite the laughter of weather-hard is the most appropriate warm weather ened old lishermen who have supplied costume, and with the enjoyment of havthe United States with sea food these ing a recognized part in an undertaking antennae. As soon as the number is many years, dividging the oysters of for the benefit of future generations, it estimated to be about 20,000 the mother Narragansett Bay or following the sea is no worder that the privilege of taking such a course in marine blology is highrom Nantucket to Barnegat. Or rather, it would excite their laugh- ly prized among Brown students. ter, except that the work of the college they could be accomodated at the sta- by the engines on the house boat, beboys already hids fair to make it easier tion, several times the hall dozen young gins to rotate. From then on until for the fisherman to get his living from men who are chosen would elect so poputhe sea. Young lobsters, it is said, lar a study. have not for many years been seen in Not all the students spend their sum-FEEDING THE BABY LOBSTERS

LOBSTER FARMING

Ol College Boys-Rearing Baby Crus-

taceang To Become Food For Epi-

of reding other fish.

cures-Raising Of Little Lobaters.

Every Three Hours the Baood of Twen yt Thousand Newly Hatched Crustaceans Receive Their Allowance of Chopped Clam Meat

plied to the problem of preventing the | mer in study of the problems of the young lobsters, when introduced from arextinction of our valuable shell fish is on lobster aloze. The claim, the crab and tificial to natural conditions are not the increase. The work of the Commission some of the food fishes have also re- simply dumped overboard, thus to alsioners of Inland Fisheries of the State of Rhode Island, as conducted by teach- special facilities offered at the station are taken by the assistant scientists e.s and students of Brown University, most of the investigations have concern- from the university and are deposited, a has given hope that our descendants may ed the big-clawed crustacean of the few at a time, among the roots of sedge also have lobsters. For the first time banquet table. Many of the researches grass or along a pebbly beach. anywhere the problem of artifically have been important enough for the The mothers, too, are allowed to go

raising these crustaceans, treasured by commissioners to publish in their annual after the eggs are all hatched, but not MARIE WANDRUTH such numbers as since the students be- reports or in special pamphlets. Thus without taking a souvenir from the one student has looked into the rate of station. To the back of each is at 185 Eleventh Street gan planting them, partly grown, along Flute Solist. Mistress of all Lady Mel the shores. Soon the catch of sizable growth of lobsters and discovered many tached a copper hag bearing a number odists Telephone Main 1171. Astoria, Ore One house and lot, Adairs, \$1500. fellows will be increased, unless all carious and entertaining facts, chief and the words "Return to Rhode Island signs fail. Consequently respect for among which is the lack of uniformity. Fish Commission." Such a practice has FLORINE Four lots and house, Alderbrook, \$1850 the University's "book learning," as ap- one lobster at four years being three not arisen from boyish prank-playing. Seprano Vocalist MEDICAL. the chef and patrons of every American or four times as large as another lob- Many of the tags are returned by fish-ADMISSION FREE Two houses and four lots, \$5000. hote) and restaurant, has been success- ster of the same age. Another young ermen and data are thus gathered as to fully solved at the Wickford experiment man has gathered and published many the distances which full-grown lobsters Unprecedented LINDBECK & WIRKKALA Props. One house and lot; lot 75x150; easy station. Of one thousand little lobsters Success of terms; \$850. batched under natural conditions from THE A. & C. R. R. SOUVENIR JAPANESE GOODS. the egg clusters borne by the female DR. C. GEE WO CLAM SUGGESTS parent, only one it is estimated ever To any buyer in search of earth. In THE GREAT reaches maturity. The rest, for the INEXPENS order to get it for price it's worth, call CHINESE DOCTOR no ; part during the first few days of at 430 Commercial street, where I am. Who is known APANESE FIXINGS, MADE OF BAM their lives, are devoured by other lob-All you have to do is open your clam. throughout the United sters or by greedy fishes, or perish BOO, LIGHT, STRONG, MAND States on assount of through other causes. In the hatching MADE, TABLES, STANDS, CHAIRS I have cottages by the sea. As the bis wonderful cures WHAT-NOTS "OKCASES, SHELV bugs of the experiment station, on the souvenir says come to me, already furn-Ne poisons nor drugs used. He guaranother hand, as many as 480 out of one ING. ETC. ished, ready to sleep or eat, location is tees to cure catarrh, asthma, lung and thou-and have been brought, at a very Yokohama Bazaar throat trouble, rheumatism, nervousness, small expense per thousand lobsters, up sweet; price can't be beat. stomach, liver, and kidney, female com-\$25 Commercial St. Astoria. THE COLLEGE BOYS' SUMMER LABORATORY plaints and all chronic diseases. SUCCESSFUL HOME TREATMENT if you cannot call write for symptom to a size at which they can be let love O. F. MORTON, The House Boat in Narragansett Bay, S urounded by the Canvas Nurseries in with good chances that many of them 430 Commercial St. - Astoria, Ore. Which the Problem of Saving the Lobster is Being Solved will attain the inches prescribed by law JNO. A. MONTGOMERY biank and circular, inclosing 4 cents in FARM FOR SALE, \$2250-160 ACRES; data regarding the changes in form and migrate, the time that elapses between for the fishermen. stamps. Even more remarkable results than color in the successive stages of the the end of the egg hatching and the six acres cleared; good house and THE C. GEE WO MEDICINE CO. 1624 First St. Corner Morrison, PORTLAND, OREGON. PLUMBER this, it is the opinion of experts, may creature's growth. One has studied the next casting of the shell, and similar barn. Western Realty Co. yet be shown by individuals who are subject of the regeneration of lost parts, objects of quest, Please mention the Astorian willing to lock up capital in a crop that -it being an important fact that the BIG BARGAIN, \$5000-160 ACRES; 85 acres cleared; 6-room house; good matures very slowly, but which, if suc- lobster when one of his claws or an-UNDERTAKERS. **Heating Contractor, Tinner** essful, would yield large returns. The tennae is caught can let it go, secure in | barn; stock and farm implements; on -ANDlobster (arm is a possibility of the near the certainty that another will quickly Lewis & Clark. Western Realty Co. J. A. GILBAUGH & CO., Sheet Iron Worker future-a marine plantation among the replace it. Undertakers and Embalmers. wave washed rocks where the popular These and many similar investigations FOR SALE-STORE 22x40, AND LOT **Experienced Lady Assistant** chell fish will be continually under the bave been carried on aboard a queer-25x125; Warrenton; price, \$1600. ALL WORK GUARANTEED When Desired. supervision of the owner from the sum- looking collection of rafts and boats that Western Realty Co., 495 Commercial St. mey days in which they are hatched as is anchored to a two-ton stone in a 425 Bond Street feeble, floating wigglers until five or six sheltered cover of Narragansett Bay LAUNDRIES. years later they are big enough for about 20 miles below Providence. Two BUTTON HOLE AT THE BACK. "Newburg" or "broiled alive." There are house-boat cabins in the centre of the Your experience with it has no doubt Kidney and Bladder Troubles those who forsee a long line of lobster plants contain respectively a litte scienlead to much vexation, possibly pro holdings on the Atlantic coast from tific laboratory and two gasoline en-URINARY fanity. Broke your fingernail trying to Labrador to the Delaware Breakwater, gines of three horsepower. The latter pry it up from the neck-band, sht DISCHARGES New England cannot vie with the fer- are an absolute necessity for an ificaly satisfaction and we could hardly afford SANIA RELIEVED IN You won't have that that experience if tile West in raising corn and wheat, raising the broods. Round about in Calls Promptly Attended Day 24 Hours you send your shirts to us; we save you CAPSULES but neither can the West compete with every direction are boats and boxes con- Hart and leading druggists. or Night. Each Capthis trouble, and danger of tearing the the seaboard in producing lob-ters. taining old and young lobsters. Poston Bdg. 12th and Duene Sts shirt. Try us and see. Experts, at all events from abroad, The process of rearing consists esthe name Da" ASTORIA, ORE.GON TROY LAUNDRY, Beware of counterfeit where the danger of losing the lobster sentially in getting a lot of the little month, delivered by carrier. Phone Main 2111 ALL DRUGGISTS. Tenth and Duane Sts. Phone 1901

altogether is also imminent, have visi- fellows-twenty thousand is the ordited the Rande Island experimental sta- nary number-into a great square cantion and have been impressed with its vass bag or wooden tub in which the work. The United States batchery at water is kept constantly in a circu-FUTURE INDUSTRY Boothbay Harbor in Maine, which has heretofore simply attended to hatching -finely chopped clams, usually-is dropthe eggs and letting loose the young ped into the swirl every three or four lobsters in the first stage of their growth hours, night and day. The newborn is reported to be about to adopt the lobsters are greedy little beggars, and, Its Possibilities Shown By The Work plan of rearing that has been found suc- they will eat each other up if they are cessful at Wickford. To set a cloud of not kept moving and at the same time the larvae free in the ocean has been furnished plentifully with other food. found to be mainly an excellent means Even in the best regulated breeding bag more or less cannibalism occurs, but not While, therefore, the young bilolgists

enough of it to prevent a goodly proportion of the lobsters surviving to the age of the university at Providence may; PROVIDENCE. July 0 .-- To live been pursuing during the vacation proper for liberation.

The supply of larvae comes, of course, amongst lobsters from June to October months college studies that count as from full grown egg lobsters, taken by seems an odd part of a college boy's edu- part of their regular work they have fishermen from the waters of the bay. cation. Everybody, nearly, has awaken- also been assisting in a very important ed to the fact that the higher train- industrial undertaking. For the past All winter long the female crustacean ing of today embraces something be- six or seven years under the direction bears, exposed on the under part of her body, great clusters of eggs-from 3,out. Throughout the spring months the experiment station at Wickford offers offerings are usually sufficient for the

> Experts can tell by the look of the hatch. Into one of the rectangular whose broods are just about to break water is alive with a cloud of tiny larvae, mostly all stomach and eyes and lobsters are removed and the great paddle, set somewhat like the dan that shoos flies in a restaurant, and actuated 1f they have reached what the naturalists call "the fourth stags" the youthful lobsters are literally in the swim. Day and night the paddle keeps the water stirring, enough coming through the sides of the bag so that it is always fresh and pure.

Each stage of the lobster's early development has its technical peculiarities. The mail point is that the little creatures molt frequently until, anywhere from ten to sixteen days after hirth. they have passed the period in which they swim helplossly about in the water seeking whom to devour or by waom to be devouted, and have reached the age in which they begin to hide from their foes by burrowing under rocks or roots. Arrived at the fourth stage they are so far able to take care of themselves that it is the custom of the Wickford station to release them then, though as a demonstration they have on several occasions been carried several stages further. In order to add to the effectiveness of the system the ceived attention. Yet because of the tract a school of voracious fish. They

Reemoval Notice.

Dr. Nellie Vernon has moved her offices from the corner of Commercial and Eleventh streets, to the second floor of the new Astoria Savings Bank building, at Duane and Eleventh streets, where she will be found from this time forward. 6-30-2w.

Take the Postmaster's Word For It. Mr. F. M. Hamilton, postmaster at Cherryvale, Ind., keeps also a stock of general merchandise and patent medicines. He says: "Chamberlain's Colic, Cholera and Diarrhoea Remedy is standard here in its line It never fails to give to be without it." For sale by Frank

17 Morning Astorian, 60 cents per