

Oil Geologists Study Samples of Coastal Material

CORVALLIS — Rock samples taken from the ocean floor off Oregon by oceanographers at Oregon State University are drawing careful scrutiny of oil company geologists probing the possibilities of rich underwater oil deposits.

Dr. John V. Byrne, the OSU ocean geologist who is heading up some phases of research, said the rocks and ocean floor geology point to oil. At least, most of the geologic conditions deemed necessary for oil deposits are present, he stated.

Oil companies are deeply interested now, he noted, because blocks of ocean bottom land will be available for lease after October, 1964. High bidder will be granted leases for drilling. Only then can it be determined for sure if there is oil in sufficient quantity to make it commercially feasible to set up oil wells.

Geologists from most major oil companies have visited the OSU Oceanography Department in recent months to make microscopic examinations of the rocks collected from the ocean bottom. They are also reviewing data collected by the oceanography department on the ocean and the ocean floor. Such information would be valuable in charting drilling operations.

The companies had until Nov. 1, 1964, to nominate areas of ocean bottom they would like to have made available for lease. The U. S. Geologic Survey, Department of Interior, is now deciding which sections of ocean floor to make available. Announcement is expected to come early next year.

Show Most Promise

Ocean floor land more than three miles off the coast comes under the jurisdiction of the federal government; less than three

miles, under the jurisdiction of the state.

The areas that show most promise for oil are beyond the three mile limit. They are on the continental shelf — the section of ocean floor that slopes down from shallow to deep waters.

Byrne has about 140 samples of rock taken from the continental shelf during the past two years by oceanographers aboard the OSU research vessel, Aconia. The rocks are representative of geologic formations on the shelf and are considered a major clue to possibilities of oil.

Gravity and seismic readings made by geophysical group of the oceanography department also give insight into the earth's crust under the water.

The OSU studies are the first ever made of the ocean off Oregon. The Aconia is out almost every day on fact-finding cruises that provide highly valuable information on the ocean from top to bottom.

Feeding the Family

ZOLITA VINCENT
Food Editor



RISES TO OCCASION — This lovely-to-look-at delightful-to-know gel-cookery classic chocolate souffle rises to the occasion. A cold souffle made with unflavored gelatine even the novice cook will come out with colors flying high as a cook non-pariel. The recipe is included in today's food columns.

Simple Rules
For Gelatine Cookery

Research indicates that there can be less work in the kitchen and more fun preparing and later enjoying the delights of "gel cookery" when the experienced or inexperienced cook understands the basics involved. Every recipe calling for the jelling properties of unflavored gelatine can be classified into one of five categories. They are: clear gellatines with or without solids added; whips; snows or sponges; chiffons or egg-based gellatines; whipped cream mixtures.

Basic preparation of unflavored gelatine may be accomplished in two ways; by sprinkling gelatine on half cup of cold liquid to soften and then dissolving in hot liquid or over boiling water or very low heat.

... OR by combining gelatine with sugar and dissolving without the softening period in hot liquid. The rule to remember is that one envelope of unflavored gelatine will gel up to two cups liquid. Sugar, if used, is counted as part of the total liquid because it goes into solution and weakens the strength of the gel.

Solid Additions. If solids are to be added the gelatine mixture should be chilled to the consistency of egg whites. This slight "setting" prevents solids from rising or sinking once they've been stirred in. However, if a layered effect is desirable as in many fruit salads it is good to know which fruits will sink and which will rise.

Among fruits the sinkers are: canned apricots, cherries, peaches, pears, pineapple and raspberries; fresh orange sections and grapes, cooked prunes or plums. Risers or floaters would be apple cubes, banana slices, fresh grapefruit sections, peach or pear slices, raspberries, halved strawberries, marshmallows and broken nuts. Vegetable possibilities are too numerous to become involved in.

Clear basic gellatines are a simple combination of unflavored gelatine and liquid (water, fruit or vegetable juice, bouillon or stock, or milk) with the possible additions of a sweetener, seasonings or solids.

Based on Clear Gelatine

Whips are based on the clear gelatine, beaten until double in volume. To accomplish this the gelatine-liquid mixture must be viscous enough to hold the air. Chill just until a consistency slightly thicker than unbeaten egg white before beating.

Snows or sponges have a texture that is porous and meltingly light. By the addition of egg whites to basic gelatine, the volume is tripled. Again the basic gelatine is chilled to the consistency of un-beaten egg white and the un-beaten egg whites added, followed by a thorough beating.

Chiffons or egg base gellatines include such tasty items as Spanish cream type desserts and other custard based desserts. The basic gelatine, with fruit juice or milk as the liquid, is added to beaten egg yolks and cooked a few minutes, chilled and folded into a stiff meringue.

Companies Oppose High School Plan

PORTLAND (UPI) — Twelve major industries have announced opposition to the Columbia School District's plan to build a \$1 million high school for its 90 students.

The industries are located in the district and would provide most of the tax money to support the school. Votes will decide the fate of a \$847,000 bond issue for school construction Dec. 10.

High school students living in the district now go to Portland's Madison High and to Parkrose High on a tuition basis. The Columbia School Board had said it will stop accepting tuition students next fall, except for those already enrolled.

The industries opposing the small high school are Crown Zellerbach, Swift and Co., Hayden Island Development Co., Moore Dry Kiln Co., Morrison Oil Co., Peninsula Terminal Co., Portland Union Stock Yards Co., Joslyn Manufacturing and Supply Co., Monarch Shingle Co., Tri State Properties, Wood Feathers Inc., and Shake-Apply Co.

APPRECIATION EXPRESSED

CARMICHAEL, Calif. (UPI) — Seven-year-old Patricia Pefley has sent a dollar to the "President" of Parkland Hospital in Dallas to express her appreciation to the hospital staff for its efforts to save the life of President Kennedy.

each chicken planned for four servings:

- 1 broiler-fryer 3 to 3½ pounds, fresh or frozen
- ¼ cup enriched flour
- 1 teaspoon salt
- ¼ teaspoon pepper
- ½ teaspoon each ground cinnamon and cloves
- 2 tablespoons shortening
- 2 tablespoons butter
- 4 oranges
- 1 tablespoon soy sauce
- 1 tablespoon brown sugar

Cut chicken in serving pieces. Combine flour, salt, pepper, cinnamon and cloves in a paper bag. Shake chicken in flour mixture. Heat shortening and butter in heavy skillet or Dutch oven. Brown chicken slowly on both sides.

While chicken fries, peel the oranges and cut them into sections. Save all juice. Measure the juice and add enough water to make half cup. Add soy sauce and brown sugar. Pour over chicken; cover tightly and cook over low heat 20 to 30 minutes. Add the orange segments and continue cooking about 10 minutes longer or until chicken is fork-tender.

Snack Fare

Snack fare for the family mid-afternoon or mid-evening or for company any time is both tasty and tempting when prepared with fresh vegetables.

Top unpeeled slices of cucumber with a fluting of any soft spreadable cheese. Serve atop crackers if you like.

Children will eat surprising quantities of green pepper sticks or rings, celery and carrot sticks when offered either plain or for dipping in creamy cheese dips. Fill celery stalks with chunky peanut butter.

To serve most simply the chiffon mixture can go into dessert glasses. For a more partied version for spooning at the table, a handsome souffle dish or casesrole comes in handy. To give a "rising" effect, make a paper collar that extends about three inches above the top of the dish before pouring in chocolate mixture. Recipe makes eight servings.

- 1 envelope unflavored gelatine
- ¼ cup light brown sugar, divided
- ¼ cup water
- 1 6-ounce package (1 cup) semi-sweet chocolate morsels
- 4 eggs, separated
- ¼ cup rum or brandy or 1½ teaspoons rum or brandy flavoring
- ¼ teaspoon salt
- 1 cup heavy cream, whipped

Combine unflavored gelatine, half cup of the sugar, water and semi-sweet chocolate morsels in saucepan. Place over low heat, stirring until gelatine and sugar are dissolved and chocolate is melted. Remove from heat. Beat in egg yolks. Stir in rum or brandy. Beat egg whites and salt until stiff but not dry. Gradually add remaining quarter cup sugar; beat until very stiff. Fold in chocolate mixture thoroughly; then fold in whipped cream. Spoon into dessert dishes. Chill until firm. If desired, garnish with additional whipped cream.

For party size souffle, double recipe and turn mixture into two quart souffle dish with a two-inch collar. To make collar, fold waxed paper over heavy brown paper three inches wide and long enough to go around souffle dish with generous overlap. Attach to dish with sealing tape.

Broil Chickens
With Orange Sections

Plentiful broiler-fryers at low cost become something very special when segments of golden oranges are added along with a bit of cinnamon and cloves. For

Tribes Ordered to Elect Committee

PORTLAND (UPI) — The Klamath and Modoc Indian tribes and the Yahooskin band of Snake Indians Wednesday were ordered to elect a new executive committee to represent them in trust dealings.

The order by Multnomah County Circuit Court Judge Herbert Schwab followed a suit by U.S. National Bank of Portland trustee of the Indian properties estimated to be worth \$30 million.

Schwab noted that the Indians' executive committee now has only five members instead of 10 called for in its constitution. He ordered nominations at a meeting Dec. 10 and elections early in January.

MOTHERS PROTEST

JACKSON, Miss. (UPI) — A group of angry mothers charged Wednesday that there is a conspiracy afoot to brainwash children with schoolbooks that slip pleas for world government into examples of bad grammar.

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