

Fish Study Traces Vitamin Qualities At Ocean Source

Astoria, Ore. (AP)—A five-year study of 50 species of North Pacific fish shows that fish before mating have a larger vitamin content in the liver.

The study, conducted by Russell O. Sinnhuber and D. K. Law, biochemists of the Seafoods Laboratory of Oregon State College, also found that livers of male fishes had more vitamin value than the female.

Furthermore, it showed that the mature fish had more vitamin than the younger ones but after a fish mated, there was a reduction in the vitamin content.

The survey is considered of considerable value in regularizing the supply source of the natural vitamins demanded by the medical profession.

Between the lines of statistics also is traced a part of the story of the great American vitamin age that brought a bonanza to North Pacific fishermen as the war started.

Up to \$12 a Pound

The loss of the Norwegian supply of vitamin oils and the heavy demands of American doctors for higher concentrates shot the price of good livers up to \$12 a pound.

Ordinary fishermen frequently brought in a \$10,000 catch after a night of lucky fishing. The livers of soupfin sharks literally were almost worth their weight in gold.

Fishermen risked their lives to load the huge sharks into tiny trolling boats while fortune hunters from inland cities arrived in the northwest to build strange boats that refused to float upright.

The "assayer" in this mad rush for "liver gold" was the biochemist. The fisherman did not always understand the scientists' retorts, bunsen burners and good crucibles.

"How come," he would say, pointing to a pile of livers taken

by a rival, "that his are worth \$12 a pound and mine 75 cents?"

"Devil Stiek" Used

All his life the fisherman had measured his day's work by size, color and weight.

The biochemist read his answers off the slide rule, a "devil stick" whose readings could mean a fortune or a pittance.

Had the Sinnhuber-Law survey been available during the early days of the rush, it would have been worth more than a map of Incas' hidden gold and a lot easier to read.

But while the Astorians were investigating hundreds of tons of livers and checking virtually every important commercial fish in the North Pacific, another group of scientists were pricking at the bubble in an effort to synthesize vitamin A.

Their success with A and later with D took the fortune out of "livering," although fishermen still get substantial prices for the natural products.

OLDSTER STICKS TO IT

New York (AP)—After 35 years of cutting hair in the financial district, John Leib, 75, will close his barbershop and retire. His one employe, George Glockner, 85, who has been at the shop since it opened, will move on to cut hair at another shop.

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Organ Concert Set for Sunday

An organ dedication concert of three groups of numbers will be played Sunday afternoon, May 23, at 2:30 o'clock by Rev. Carsten F. Brien, of First Lutheran church. The concert will begin with "Restoration" by Benjamin Edwards, followed by the processional hymn "Holy, Holy, Holy," during which the senior choir will

enter.

The first group will include "Meditation" from the opera "Thais," by Jules Massenet; "Liebster Jesu, Wir Sind Hier," and "Prelude and Fugue in G Minor" by J. S. Bach, and "Andantino" by E. Lemare. Following this group, the choir, under the direction of Joseph Haugen, will sing "Blessed Is He Who Cometh" by Gounod and the "Twenty-Third Psalm" with music by Herman Monson. Mrs. Nels Skjersaa will accompany the choir.

Group Listed

The second organ group will be "Cantilene Nuptiale" by Th. Du-

bois, "Prelude in G," Rev. Brien's own composition, "Chorale Vorspiel" by J. S. Bach, and the "Pilgrim's Chorus" from "Tannhauser" by R. Wagner.

A formal dedication service for the new Hammond organ will precede the final group of numbers. The last group will include "When Thou Art Near" by J. S. Bach and arranged by Alexander Schreiner; "Prelude in E" by A. Hollins; the offertory, "Serenade" by C. M. Widor, and the final number, the "Toccata" from the "Fifth Symphony for Organ," also by C. M. Widor.

After the dedication service,

those present will be invited to the church parlors for a lunch to be served by the women's groups of the church, the Ladies' aid and the L.D.R.

BOTH SURPRISED

Hillsboro, O. (AP)—A service station attendant jumped back in surprise when he lifted the hood of Edgar Williams' car to check the oil. On the engine sat one of the farmer's white hens, somewhat greasy and warm but clucking her disapproval of being aroused from the perch she'd picked out the night before.

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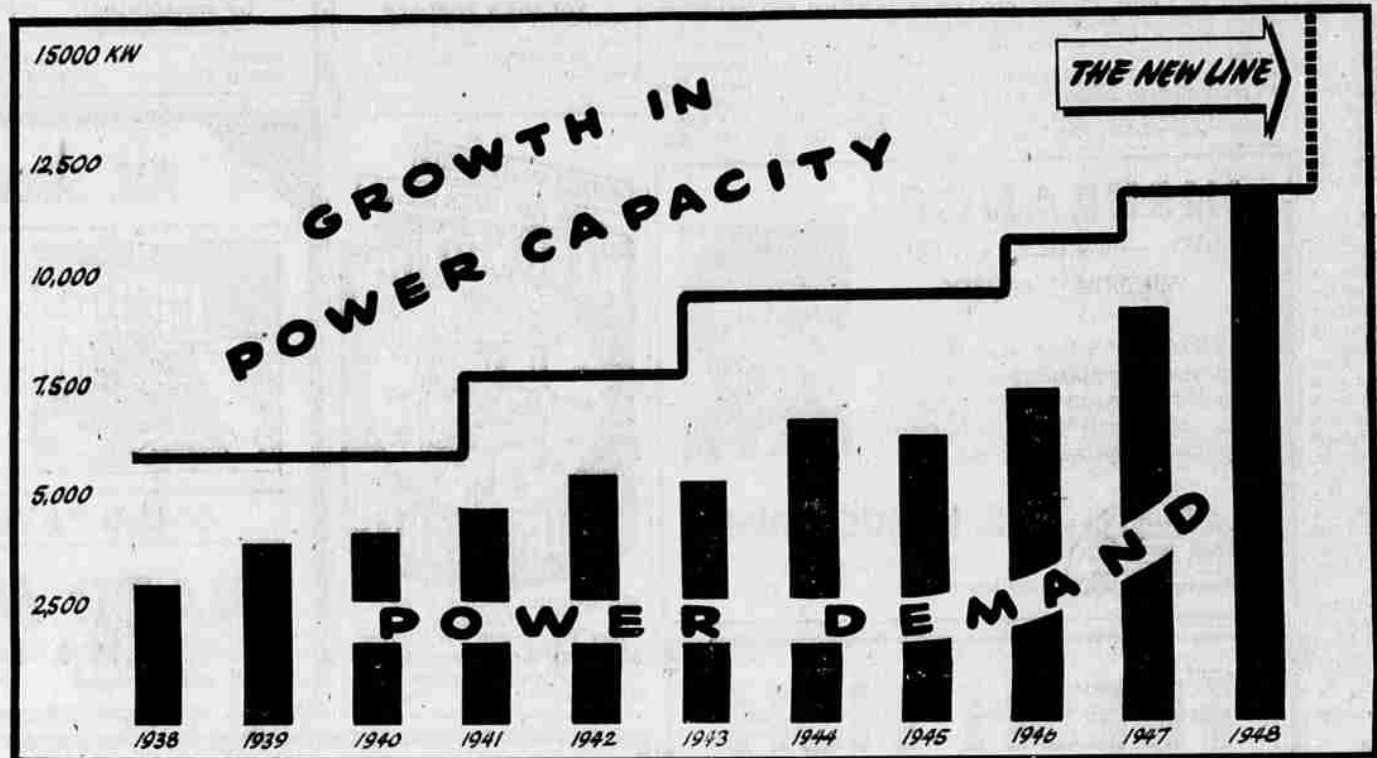
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FACTS ABOUT THE CENTRAL OREGON POWER SITUATION

For the past several months, the demand for power in Central Oregon has been taxing the capacity of generating plants. Rapid growth in power use has absorbed every bit of reserve capacity. With all equipment heavily loaded, any little trouble causes serious operating problems. So we have a "tight" power situation, which will unavoidably continue until our new Central Oregon transmission line can be rushed to completion.



This chart shows how Pacific Power & Light Company kept enlarging its power resources in Central Oregon to keep ahead of demand—until the use of electricity skyrocketed in the last 18 months. (The black bars represent the peak or maximum use of electricity on our Central Oregon system during a typical month (March) of each year.)

POWER DEMAND HAS SOARED IN RECENT MONTHS

Until 1946 the use of PP&L's low-cost power in Central Oregon increased steadily, but at a fairly uniform rate. Then the demand for power began to soar higher and higher. In March, 1948, the peak load on our Central Oregon system was 54% greater than in March of 1946!

PP&L GENERATING CAPACITY HAS KEPT AHEAD OF USE UNTIL NOW

Since 1940 Pacific Power & Light has been steadily adding to its power supply resources to keep pace with the normal increase in the use of electricity. Here is the story:

- 1941. PP&L and Brooks-Scanlon Lumber Company jointly installed a 3,000-KW steam generator in the lumber company's plant. This arrangement provided PP&L with 2,000-KW of additional firm capacity, and actually has resulted in making an even greater amount than this available.
- 1943. PP&L contracted with The Ochoco Lumber Company at Prineville for purchase of power from the mill's generators. Electrical facilities were installed to take an estimated supply of 500-KW.
- 1943. PP&L rebuilt its Cline Falls hydro plant near Redmond. An old 150-KW generator was replaced with a unit that produces 1,000-KW, except during the irrigation season when the water is required to grow crops on Central Oregon farms.
- 1943. PP&L contracted with the Warm Springs Lumber Company for purchase of power. Electrical equipment was installed to get an estimated supply of 500-KW.
- 1946. Under a cooperative arrangement between PP&L, the Jefferson Water Conservancy District and the Bureau of Reclamation, the Bureau installed a 1500-KW generator at the Company's Cove hydroelectric plant, which again increased the supply of power.
- 1947. An agreement was reached with Brooks-Scanlon Lumber Company to operate its Plant "A" for PP&L. Capacity: 1,000-KW.
- 1948. PP&L is building a \$1,400,000 transmission line to link Central Oregon with the Northwest Power Pool.

POWER SUPPLY PROBLEM CAREFULLY STUDIED

When the postwar load curve began to climb at an unprecedented rate, PP&L engineers revised all past studies on how best to provide for growth of power use in Central Oregon. A fresh look was taken at all possibilities—steam, hydro and diesel—for developing more generating plants in the area. Decision of the engineers was that the most practical solution was a transmission line to connect Central Oregon with the Company's main system at The Dalles, and in turn with the 150 private and public generating plants in the Northwest Power Pool.

MATERIALS ORDERED MONTHS AGO

As soon as construction of a transmission line was decided upon, orders were placed for the necessary quantities of copper wire, insulators and similar materials. But there was still one more important question to be answered if the long-term interests of Central Oregon were to be protected.

Future plans of the Bonneville Power Administration called for a high-voltage government transmission line from the Columbia River into Central Oregon. Such a line would parallel much of the route of the Company's new circuit. If both lines should be built independently, the result would be wasteful duplication of investment, and an unnecessary future burden on users of electricity.

COMPANY - BONNEVILLE PLANS COORDINATED

Out of a series of conferences with officials of the Bonneville Power Administration there was developed a practical and business-like arrangement, under which the Company is building 42 miles of its new line to government specifications. Later, when Bonneville may be authorized to do so, this section of the line can be purchased by the government and included in the 230,000-volt circuit which is planned to link the Central Oregon area directly with the big federal projects at Bonneville, Grand Coulee, McNary and Detroit. Then the Company will take delivery of power from the government at some convenient point for distribution throughout the area.

This forward-looking program means that Central Oregon will be on the "main line" for Columbia River power development.

CONSTRUCTION WORK IS IN PROGRESS

First crews have already started work on the big job of building the \$1,400,000 transmission circuit. More and more crews will be moving into the field as contractors get under way.

By concentrating forces on the job, it is hoped to cut three months off the original construction schedule and have the line in service by early October.

MEANWHILE, PLEASE SAVE ELECTRICITY!

Maintenance of electric service is vital to the public welfare. In the present tight situation, every one can help!

Mill operators and workers are cooperating by staggering hours of operation to spread the power load more evenly throughout the day and night.

Homes and businesses can do their share by watching use of electricity, and avoiding waste! Every kilowatt-hour saved is a help.

Many thanks for your cooperation toward meeting a difficult problem.

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