

DELAWARE BIE, EXPERT SAYS

Polluted Waters Make It Impossible for Eggs to Be Hatched

REASON FOR BIG SCARCITY TWO YEARS' FIGHT ENDED

Photograph illustrating this article on page 10.

Waters of the Delaware river have become so polluted that it is impossible to hatch shad eggs in them, and shad are becoming scarce every year in this section.

Next year, for the first time, the state fish hatchery at Torresdale, the only hatchery in the state that handles shad, will obtain its supply of eggs from the Morris river.

J. R. Berkhus, superintendent of the Torresdale state hatchery, explained the situation.

"The entire northwestern part of the state is drained into the Delaware river," he said. "And besides that, there is the outflow water from the hard coal mines and the dye and oil from factories and boats on the river."

All of those things are poisonous to fish. They are particularly detrimental to the raising of shad, which cannot live in so dirty water. It has grown difficult to obtain eggs from the Delaware river fish.

When we do get the eggs, we have to raise them in a tank where the water is clean. As the river water is too polluted.

Explains Fish Raising

Walking through the hatchery, Mr. Berkhus explained the process of raising fish.

"Shad, for many years, have been the most popular of edible fish in Pennsylvania," he said. "And for fifteen years the Torresdale hatchery has raised a specialty of them, because it was on a tide-water stream."

Early in the spring each year the eggs are taken from the roe shed by fishermen on the Delaware, between Philadelphia and Trenton. Some of the eggs are caught in gill nets and some in shore seines.

The gill net fishermen have been educated in the handling of the eggs, so they take them from the roe shed before or soon after the fish is dead, then fertilize them till the eggs can be turned over to the hatchery.

The state's shad, some ten placed to look after the fish ought in the seines so the eggs can be taken as soon as the fish are brought to shore.

"After the eggs are taken from the roe shed they are fertilized with milt, and then they are put through the process of hardening in frequently changed water. They are held in jars till they can be placed in the hatching jars," he said.

The Hatching Process

"The incubation of the shad depends entirely on the water. Now we give them 'chilled' water, that is, water that may take twenty-four hours to three days to get to hatch. As they hatch they are carried out of the jars in the covering water into the hatching tanks. There they remain for seven to ten days while they absorb their food supply. After that they are ready to be put in the sloping pens which lead down to the lower water of the Delaware."

In the old days when the fish were an inch or so long they were placed in the streams to live, and the sportsmen who fish for shad are given the credit of their start in life at the hatchery and don't place them in the river till they are a good size. It gives them a better chance to live, and the sportsman doesn't have to wait so long before he can take them with hook and rod.

"There are dozens of ponds on the shadery grounds which were planted about a million and a half shad. That is a small number compared to ten or twelve years ago when we annually planted about 1,000,000."

Other Varieties Raised

Though shad are most popular, other varieties of fish are raised at the Torresdale hatchery. Susquehanna salmon, yellow perch and cutbait are hatched by the same process. Next to shad, the most popular are the bluegills, which are planted about a million and a half shad. That is a small number compared to ten or twelve years ago when we annually planted about 1,000,000."

BURY 15TH ACCIDENT VICTIM

Funeral of One More of Sixteen Dead in Crash Still Remains

The funeral of Francis T. Henry, one of the victims of the accident at Charlesboro, N. J., last Saturday, when a train crashed into a motor truck carrying members of the Glen Social Club, was held this morning.

NORWEGIAN BISHOP HERE

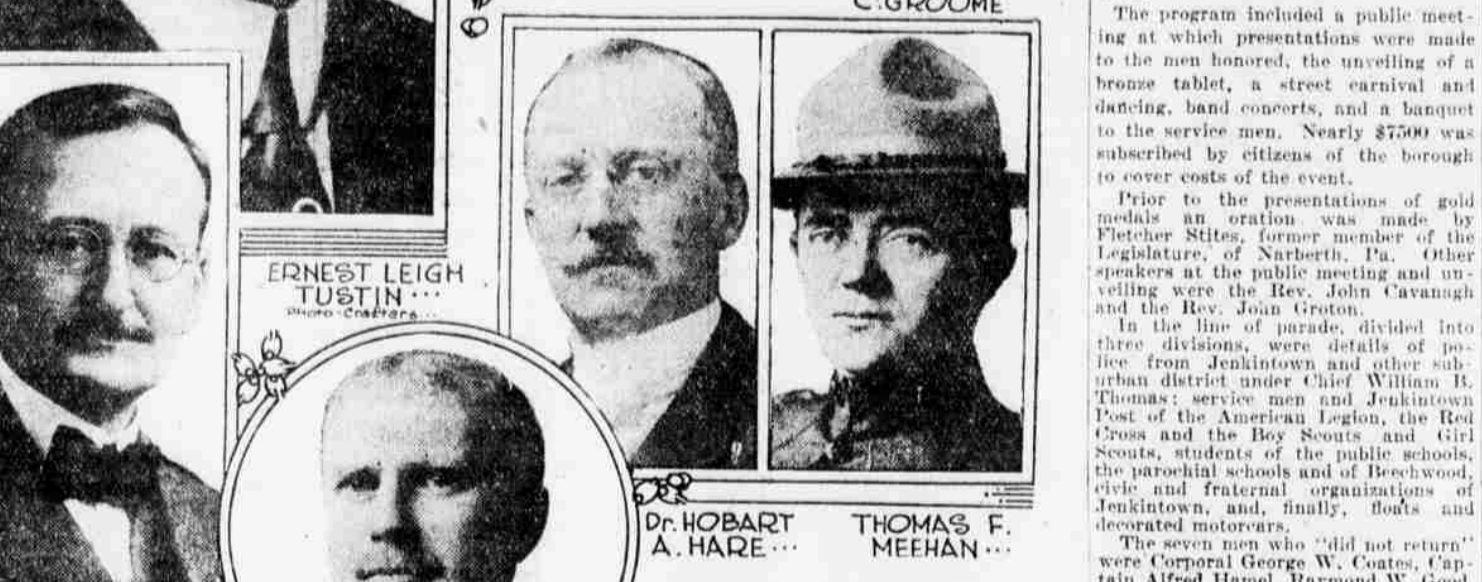
Head of Lutheran Diocese of Christiansund Visits City

Bishop Stojten, of the Lutheran diocese of Christiansund, Southern Norway, who, with his wife, is spending several weeks in this country, visited the Mt. Airy Seminary yesterday.

MENTIONED AS MOORE CABINET POSSIBILITIES



Col. JOHN C. GROOME



ERNEST LEIGH TUSTIN

Dr. HOBERT A. HARE

THOMAS F. MEEHAN

The election over, political cabinet makers are busily engaged in constructing cabinets for the Mayor-elect. Whom the new Mayor will name as his directors is a City Hall topic of first importance now.

ARRANGE FOR FUND TO BOOST CITY PAY

Mayor-elect Says New or Old Administration Must Make Advance

MOORE SEES TAX RATE RISE

A higher tax rate will be needed for next year, Mayor-elect Moore believes. Mr. Moore met the tax question squarely before sailing for Charleston, S. C., last night.

DISCUSS TAX INCREASES

Salary provision for city employees affected by the loan legislation will probably be made by Council's finance committee, and at the same time the question of obtaining money for street repairs, etc., will be taken up independently of any loan legislation.

POLES GO TO NEW YORK

Take Part in Reception of Ship Named After Revolutionary General

A delegation of prominent Polish-Americans from this city went to New York today to take part in the reception of the steamer "Polonia," named in honor of Thaddeus Kosciuszko, the distinguished Polish patriot, who was a major general in the army of Washington.

JENKINTOWN GAY FOR SERVICE MEN

Borough Welcomes More Than 200 Returned Veterans—Decorations Are Profuse

BIG PARADE A FEATURE

The "keys of Jenkintown" have been given today to more than 200 service men from that borough. Every resident and thousands of persons from other suburbs north of Philadelphia, combined in a tribute to men and women who entered the service from Jenkintown. The entire business section and that portion of the residential district traversed by a military and civic pageant was ablaze with flags and decorations.

The program included a public meeting at which presentations were made to the men honored, the unveiling of a bronze tablet, a street carnival and dancing, band concerts, and a banquet to the service men. Nearly \$75000 was subscribed by citizens of the borough to cover costs of the event.

Prior to the presentations of gold medals an oration was made by Fletcher Stiles, former member of the Legislature, of Narberth, Pa. Other speakers at the public meeting and unveiling were the Rev. John Cavanaugh and the Rev. John Grafton.

In the line of parade, divided into three divisions, were details of police from Jenkintown and other suburbs, the district Chief William B. Thomas; service men and Jenkintown Post of the American Legion, the Red Cross and the Boy Scouts and Girl Scouts, students of the public schools, the parochial schools and of local civic and fraternal organizations of Jenkintown, and, finally, floats and decorated motorcars.

The seven men who "did not return" were Corporal George W. Coates, Captain Alfred Hamel, Raymond W. Good, James A. Ward, all killed in action; John E. Thomas, Sergeant Bernard Shelly and Percy Owens, who died of disease.

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Money for Street Repairs Also to Be Covered in Loan Legislation

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MAKE TOUR OF NEW ROAD

Motorists Inspect Improved Highway From Wawa to Sylmar

Road enthusiasts of Philadelphia joined with those of Delaware county today in the formal opening of the new Wawa to Sylmar, a Maryland route.

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PENN "SPECIAL" CARRIES 1000 MEN

Last of Red and Blue Rooters Start for New York and Dartmouth Game

HAVE "COME-BACK" SPIRIT

The University of Pennsylvania "special" at 9:45 this morning carried the last wave of Red and Blue enthusiasm from Broad Street Station and Philadelphia, swept on its way for the Dartmouth game in New York.

Quiet tension and the nervous inhibition of cigarettes furnished most of the atmosphere of the Penn gathering which awaited the train in Broad Street station. Those followers of "Bob" Folwell's eleven had given their "most of uniform" support to the players who left for the game last night, but now that they were off for the game themselves they were decidedly anti-uniform on edge. It was the calm before the storm of Penn spirit that will sweep New York this afternoon.

The special carried another 1000 to join the Penn ranks that began to gather in New York yesterday afternoon. Thousands of the undergraduates and alumni had left for the game last night or on the earlier trains this morning.

In the crowd of eager, restless young men were scattered a few older faces of Penn alumni and the following excited faces of girls wearing the furs and flowers of the football season.

The members of the University band, who are sent out of their uniforms these stirring days, boarded the train at West Philadelphia. They were silent bandmen, however, and with foresight saved their instruments for another day. For years has there been so great enthusiasm at the University over a big game, and every undergraduates who could make the financial grade is in one way or another on the train.

The "comeback" spirit of "Bob" Folwell's team, after the defeat of last Saturday, is reflected in the enthusiasm of the Red and Blue followers. The songs and cheers of Pennsylvania have never rung out so clearly and even fiercer as during the last few days.

It is hope and enthusiasm in the undergraduate ranks that is the driving force in this season of football upset, the Red and Blue team should breeze through the Big Game and give its followers a chance to lose in earnest.

TURKEY FOR EX-SERVICE MEN

Collingswood Chapter of Red Cross to Dine Veterans

Final arrangements were completed today by the Collingswood Chapter of the Red Cross for a roast turkey dinner to be given the army and navy service men of East and West Collingswood, as part of the "Armistice Day" celebration next Tuesday, in the First Methodist Episcopal Temple.

Dr. Edward Sheldon, local Red Cross chairman, will make an address of welcome to the dinner. Mr. E. B. Rogers, post commander of the American Legion, will respond. Mrs. Helen Amel, Red Cross vice chairman and general chairman of the evening, is expected to lead 250 or more of the 400 local service men will sit down at the dinner. Mrs. H. Woodbine Holmes is chairman of the dinner. Mrs. E. B. Rogers is chairman of the decoration committee and Mrs. C. B. Bassler, chairman of the invitations committee. They are being assisted by "Red Cross workers" who will include Misses M. E. Foster, L. D. W. Kessler, of the U. S. S. Ohio.

TAULANE IS RECOVERING

Slight Improvement in Condition of Assistant District Attorney Reported

Mr. Taulane has been ill since last Monday. It was at first thought that he was suffering from a severe cold.

Denies Blame for Collision

Trenton, Nov. 8.—Answering the \$20,000 damage suit brought against him by the Supreme Court by James and Mary Carroll, of New Egypt, as the result of a collision between their carriage and this automobile, Wilbert Cook of this city, denies responsibility for the collision and charges the others with negligence in not having their vehicle lighted and with being on the wrong side of the road.

Grade Teachers' Examinations

An examination of applicants for positions as grade teachers in the public schools of Philadelphia will be held November 29. The initial salary is \$875 to \$1025, according to experience. Examinations are made with approved experience, the maximum attainable being \$1300. For detailed information applicants should write to Dr. G. W. Flournoy, examiner, Board of Public Education, 312 Chestnut street above Chestnut, prior to November 22.

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