

**GROWTH, SPAWNING, AND DISTRIBUTION OF GERMAN CARP
REARED FROM 20 FISH FURNISHED BY THE UNITED STATES
FISH COMMISSION, NOVEMBER 29, 1880.**

By KEMP GAINES.

[From letter to Prof. S. F. Baird.]

My fish did not increase any until the past summer [1882]. During the summer and fall I have furnished young Carp for stocking twenty-three ponds with from two to five dozen fish to each pond. I have kept over three hundred for stocking two ponds of my own which I constructed the past summer. When I drained my pond this fall I found that I had lost but one of the fish received from you, having nineteen old fish living and weighing from 4 to 6 pounds each. About one-third of the young fish hatched last spring and summer were from 6 to 7 inches long. By feeding them regularly they will grow much larger in the same length of time. I let one of my neighbors have forty-eight young fish from 2 to 4 inches in length, on the 20th of July, 1882. He fed them scraps from the table most every day. The 1st of November he drained his pond to stop a leak in the embankment and took the fish out. I was present and measured several myself. None were less than 8 inches, and many of them 12 inches long.

Sixteen applicants who did not get their ponds ready this fall expect to stock them next summer. If I still have good luck I think I will be able to fill all applications I may get another year. I have separated my scale and leather Carp, thinking they will do better.

SPRINGFIELD, CLARK COUNTY, OHIO,

December 11, 1882.

RAISING BROOK TROUT IN MINERAL WATER.

By CHARLES A. WILSON, M. D.

[From letter to Prof. S. F. Baird.]

Mr. P. S. O'Rourke, superintendent of the Grand Rapids and Indiana Railroad, has succeeded in raising a nice lot of brook trout here in a pond of his make from the mineral water that we use in our bathing department, and it is wonderful how they have grown. They were put in the pond last June not one-eighth of an inch long; now some of them are eight inches long, and will spawn this winter.

SPRING BEACH HOTEL AND SANITARIUM,

ROME CITY, NOBLE COUNTY, IND.,

December 1, 1882.