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**THE OCCURRENCE OF BROOK TROUT — *SALVELINUS FONTINALIS*
IN THE MAIN STREAM OF THE DANUBE RIVER**

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Abstract: The author describes the first find of the brook trout — *Salvelinus fontinalis* (Mitchill, 1815) in the main stream of the Danube river at the river kilometer 1749.

At the beginning of March 1978 in the main stream of the Danube river near the village Radvaň nad Dunajom (river km 1749) one specimen of brook trout — *Salvelinus fontinalis* (Mitchill, 1815) was captured by haul net (130 m in length, 3,6 m of depth, meshes 35×35 mm).

The fish was a juvenile female two years old. It measured 232,1 mm (fork length), and weighed 134 grams (Fig. 1).

C o u n t s :

Rays in D V/8, rays in A V/7, rays in P I/12, rays in V I 7. gill rakers 15 (5 in the upper and 10 in the lower limb).

M e a s u r e m e n t s :

In % of fork length: head length 20,1; preorbital distance 6,1; eye diameter 3,5; postorbital distance 10,9; head depth 13,7; prepraeopercular distance 16,0; interorbital distance 7,2; maxillary length 10,0; maxillary width 1,7; lower jaw length 13,1; predorsal distance 40,0; preventral distance 45,8; preanal distance 66,7; postdorsal distance 36,8; body depth 19,7; caudal peduncle length 15,6; A-C distance 12,1; addip.-C distance 10,8; minimal body depth 8,7; P-V distance 27,3; V-A distance 21,2; length of D 11,4; length of A 9,0; length of P 14,7; length of V 11,8; depth of D 13,0; depth of A 13,4.

In % of head length: preorbital distance 30,5; eye diameter 17,4; preorbital distance 54,3; head depth 68,5; prepraeopercular distance 79,8; interorbital distance 35,6; maxillary length 49,8; maxillary width 8,4; lower jaw length 65,2; caudal peduncle length 77,9; minimal body depth 43,1; length of longest gill raker 6,0.

In % of maxillary length: maxillary width 16,8.

In % of caudal peduncle length: minimal body depth 55,4.

G r o w t h r a t e :

143,4 mm at the end of its first year (according to the E. Lea method).

The brook trout was introduced several times into the streams of the Danube river basin. There has been no evidence of the occurrence of this species in the main stream of the Danube river as yet.

The plate (Fig. 1) will be found at the end of this issue.

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Hensel K.: The occurrence of brook trout -- *Salvelinus fontinalis* in the main stream of the Danube river.

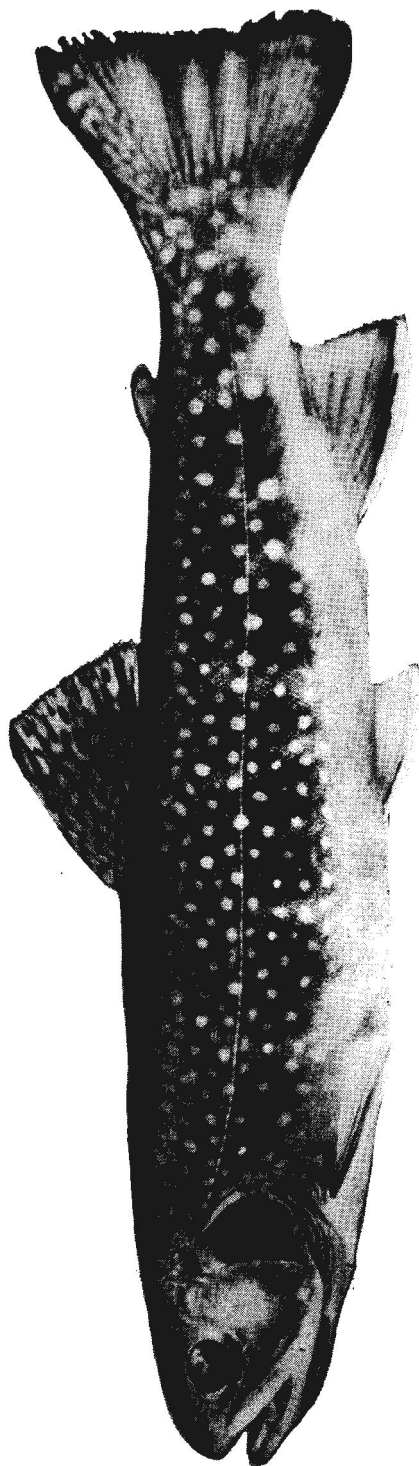


Fig. 1. *Salvelinus fontinalis* (Mitchill, 1815) recorded in the main stream of the Danube river at the river kilometer 1749. The fish is two years old female of 232.1 mm FL.