

on the slope of the Mt. Grosser Arber (alt. 1456 m) in the Bayerischer Wald near the border between the German Federal Republic and Czechoslovakia. The lake is 500 m long (E-W) and 150-250 m wide (N-S). On sunny summer days its shores are crowded with visitors. The water of the lake is clear, acid (pH 4,5) and poor in electrolytes (0,5° dH). Pine woods reach down to the stony banks with their scarce reed vegetation. Submerged vegetation is lacking, except for floating *Sphagnum*, intermixed with *Carex rostrata*, *C. limosa*, *Caltha palustris*, *Menyanthes trifoliata*, and, in the inlets, some *Nuphar luteum* in the western part of the lake.

On August 9, 1978, from 9.00-16.00, the following dragonfly species were observed: *Enallagma cyathigerum* (Charp.), flying in small numbers over the *Sphagnum* and the open water; *Aeshna juncea* (L.), many specimens, also copulating pairs; *A. subarctica* Walk., some ♂♂ hunting over the *Sphagnum*, 1 ♀ ovipositing; *A. cyanea* (Müll.), several ♂♂ and ♀♀, some ovipositing at the woody bank near the *Sphagnum*; *Cordulia aenea* (L.), 1 ♂ hunting at the inlet, 1 dead ♀; *Somatochlora metallica* (Vander L.), many all around the lake; *Sympetrum danae* (Sulz.), several specimens, some emerging, others ovipositing; *S. vulgatum* (L.), 1 subadult, 1 ♀; *Leucorrhinia dubia* (Vander L.), several specimens flying over the *Sphagnum*, some ovipositing.

*S. metallica*, a characteristic species of mountain lakes, and the tyrphophilic species were prevailing. *Sympetrum* had not yet reached its peak of abundance. The dragonfly fauna is very similar to that of the Kleiner Arbersee (F. RINGE, 1965, *Jb. dt. Jugendbd Naturbeob.* 1964/1965: 77-78), situated on the opposite slope of the Grosser Arber (UTM-grid-reference: UQ 64).

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**ON THE DRAGONFLY FAUNA OF THE GROSSER ARBERSEE IN THE BAYRISCHER WALD, BAVARIA, GERMAN FEDERAL REPUBLIC**

The Grosser Arbersee (UTM-grid-reference: UQ 63) is located at an altitude of 934 m