

fishes of our Swiss lakes. The species *Cyprinus* and *Corregonus* with their allies, including *Salmo*, are, as you know, especially difficult. I will preserve some small specimens in alcohol, and, if possible, dissect one of each, in order to satisfy myself as to their identity or specific variety. As the same kinds have received different names in different lakes, and since even differences of age have led to distinct designations, I will note all this down carefully. When I have made it clear to myself, I will send you a catalogue of the kinds we possess, specifying at the same time the lakes in which they occur. As I am on the chapter of fishes, I will ask you : 1. What are the gill arches? 2. What the gill blades? 3. What is the bladder in fishes? 4. What is the cloaca in the egg-laying animals? 5. What signify the many fins of fishes? 6. What is the sac which surrounds the eggs in *Bombinator obstetricans*? . . . Tell Dr. Leuckart I have already put aside for him the *Corregonus umbla* (if such it be), but can get no *Silurus glanis*.

I suppose you continue to come together now and then in the evening. . . . Make me a sharer in your new discoveries. Have you finished your essay on the physiology of plants, and what do you make of it? . . .