

It was absent in every species which I examined. Gervais and Alix, moreover, observe that it is entirely wanting in *Eudypetes chrysolophus*.

### 6. *Supinator brevis*.

*Le court supinateur*, Vicq d'Azyr, 1773, p. 573, No. 7.

*Le court supinateur*, Cuvier, vol. i. p. 299.

*Der Anleger des Vorderarmes*, Merrem, p. 155, No. 4 (?).

*Der äussere Speichenbeuger*, Wiedemann, p. 90.

*Supinator*, Tiedemann, p. 313, No. 5.

*Supinator brevis* (?) Heusinger, p. 185, No. 14.

*Le court supinateur*, Meckel, vol. vi. p. 51, No. 8.

*Der Rückwärtsrunder*, Schoepss, p. 140, No. 27.

*Supinator brevis*, Selenka, vol. vi. p. 129, No. 57.

*Le court supinateur*, Gervais and Alix, p. 26.

*Attachments*.—This muscle arises by means of a delicate flattened tendon from the outer surface of the lower end of the humerus, close to the external lateral ligament of the elbow joint. The muscular fibres pass obliquely downwards and forwards, and are inserted into the upper third of the groove on the outer surface of the radius, which accommodates the tendon of the extensor carpi radialis longior.

*Action*.—The supinator brevis flexes the elbow joint.

*Relations*.—It rests upon the outer surface of the upper end of the radius, and is concealed by the alar aponeurosis, as well as in part by the upper portion of the long radial extensor.

*Nerve supply* (?)

*Variations*.—I found this muscle better developed in *Aptenodytes longirostris* and in *Spheniscus demersus* than in any other species.

### (d) MUSCLES INSERTED INTO THE CARPAL BONES.

#### 1. *Flexor carpi ulnaris*.

*Le cubital interne*, Vicq d'Azyr, 1773, p. 573, No. 6.

*Le cubital interne*, Cuvier, vol. i. p. 319.

*Der Ausdehner des Armes*, Merrem, p. 155, No. 6 (?).

*Der lange Ellenbogenbeuger*, Wiedemann, p. 92.

*Flexor carpi ulnaris*, Tiedemann, p. 320, No. 5.

*Ellenbogen-Handwurzelbeuger*, Heusinger, p. 189, No. 26.

*Fléchisseur cubital*, Meckel, vol. vi. p. 59, No. 8.

*Langer Beuger des Handwurzels*, Schoepss, p. 154, No. 35.

*Flexor carpi ulnaris*, Selenka, vol. vi. p. 133, No. 64.

*Cubital antérieur*, Gervais and Alix, p. 29.

*Attachments*.—This muscle is entirely replaced by tendon. It arises from the inner side of the lower end of the humerus, immediately behind the origin of the tendon which