Paragomphus and Crenigomphus

The two genera are closely related. The larvae resemble each other in appearance, and we did not find elegant characters that are exclusive to either of the two genera. Both genera share a distinct character: the fourth segment of the antenna is rather long and sharply bent outwards [Plate 18: 5], whereas in other gomphids this segment is usually very short. *Paragomphus* [1] includes five species in the region, *Crenigomphus* [2] three, of which *C. kavangoensis* may be endemic to the middle section of the Okavango River. The differences between the species are sometimes not very distinct; we recommend using characters given in Table 3 in addition to the key.

Key to the species

- **2**(1) Anal pyramid very long with length of paraprocts being more than 2.5 times longer than S10 (ventral view); cerci half as long as paraprocts [5]

- No lateral spine at S10 4
- Lateral spines on S5-9 or S7-9; less setae on abdomen 5

- **6**(1) Anal pyramid and rest of abdomen uniformly coloured *C. hartmanni*

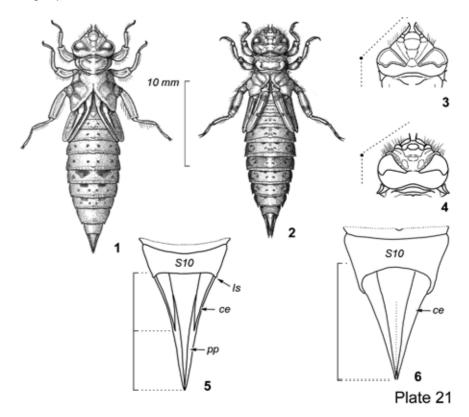


Table 3. Measurements (mm) of larvae of *Paragomphus* and *Crenigomphus*. An4, An3: lengths of segments 4 and 3 of the antenna; 4/3: ratio of An4 to An3; PmL: lengths of prementum; PmW: width of prementum; L/W: ratio PmL/PmW; Ml: width of anterior median lobe of prementum; Dors: abdominal segments with clearly visible dorsal spines or hooks; Lat: abdominal segments with clearly visible lateral spines; Pp: length of paraprocts; Cc: length of cerci; Pp/10: length Pp/length S10.

Species	An4	An3	4/3	PmL	PmW	L/W	Mİ	Dors	Lat	Рр	Сс	Pp/10
P. cataractae	0.28	0.90	0.30	2.73	2.29	1.2	0.73	2-3	2-9	2.04	1.96	1.6
P. cognatus	0.25	0.88	0.30	3.10	2.20	1.4	0.73	2-3	7-9	1.88	1.71	1.4
P. elpidius	0.25	1.05	0.20	3.10	2.22	1.4	0.69	2-3	6-10	1.96	1.89	1.5
P. genei	0.35	1.40	0.25	3.10	2.53	1.2	1.14	2-3	5-9	2.04	1.88	1.6
P. sabicus	0.25	1.45	0.20	3.06	2.12	1.4	0.86	2-4	3-9	3.10	1.59	2.7
C. cornutus	0.40	1.14	0.35	3.10	2.12	1.4	0.82	2-9	2-9	2.60	2.50	1.8
C. hartmanni	0.30	1.45	0.20	3.18	2.45	1.3	0.98	2-9	6-9	1.88	1.88	1.3
C. kavangoensis	0.18	1.18	0.15	2.93	2.20	1.3	0.71	2-3	2-9	1.76	1.76	1.4