

	<i>Ophiocoma miliaria.</i>	<i>Ophiocoma antarctica.</i>	<i>Ophiocoma nigra.</i>
Peristomial plate.	Thin, in three pieces, with a crust over outer open angle as in <i>Ophiocamax.</i>	Thick, in one or two pieces as in <i>Ophiacantha.</i>	Thick, in two pieces.
Spines.	Hollow, round, standing on outer edge of side arm plate.	Hollow, round, standing on outer edge of side arm plate, but at an angle.	Hollow, somewhat flat on sides of side arm plate, and at a right angle to arm.
Radial shields.	Rounded.	Small, narrow, no scale rows in any of the three species.	Scapula shape.
Genital plate and scale.	Plate flattened, with longish head. Scale long and blade shape.	The same.	The same.
Teeth and tooth papillæ.	Teeth simple.	Teeth with few tooth papillæ.	Teeth and many tooth papillæ as in true <i>Ophiocoma.</i>
Arm bones.	Thin rim; faces normal about as in <i>Ophiocoma.</i>	The same.	The same.

As well as I can judge from description and figures and my own notes, *Ophioconis forbesii* would be of the same genus as *Ophiocoma miliaria*. *Ophiocoma antarctica* differs in having arm spines at somewhat of an angle; different peristomial plate and a few tooth papillæ. *Ophiocoma nigra* differs as does *Ophiocoma antarctica*, and also in numerous tooth papillæ, and in spines at a right angle to the arm; being in these two respects a true *Ophiocoma*. All three species agree in—(1) hollow spines, (2) genital plates, &c., (3) arm bones, (4) disk scaling and outer granulation. *Ophiocoma nigra* differs from *Ophiocoma* in hollow spines; in peristomial plate, and in radial shield without any scale lines.

See Plate XLII. figs 9-13.

TABLE OF SPECIES OF *Ophiocoma.*

Two tentacle scales.	{	Arm spines ringed with darker and lighter, . . . . .	<i>Ophiocoma scolopendrina.</i>
	{	Arm spines not ringed. Central disk scales much coarser and thicker than in the preceding, . . . . .	<i>Ophiocoma erinaceus.</i>
	{	Doubtful species, . . . . .	{ <i>Ophiocoma wendtii.</i> <i>Ophiocoma schoenleini.</i>
	{	Upper arm spine swollen. Upper arm plates narrow. Mouth shields squarish, . . . . .	<i>Ophiocoma echinata.</i>
	{	Disk closely and finely granulated above and below (in other species scattered, and almost none below). Upper arm plates regular and clean cut, . . . . .	<i>Ophiocoma brevipes.</i>
	{	Doubtful species, . . . . .	<i>Ophiocoma squamata.</i>
	{	Arm spines regular, tapering, and pointed. Coloration variegated, . . . . .	<i>Ophiocoma pica.</i>