so that their true position is still uncertain. A number of others, of which the polyps are not known, are also temporarily included, solely from a comparison of their skeletal characters.

## Synopsis of Species.

Section I.—Corallum shrub-like, not in one plane, without any regular fusion of parts, but occasionally a few of the branches may be adherent.

A.	. Spines subequal, not longer in the neighbourhood of the polyps.	
	a. Branches spreading, virgate, without slender pinnules.	
	1. Corallum laxly and irregularly branched, like a spray of broom; branch-	
	lets relatively thick ; spines very long and closely set,	sarothamnoides, n. sp.
	2. Corallum irregularly branched, with long, slender, drooping pinnules;	GaBL _ 2004-0892457 _ 40. <b>−</b> _ 5
	spines thorn-like in irregular longitudinal rows,	salix (Pourt.).
	3. Corallum laxly flabellate, flattened; branchlets long and slender; pinnules	5 K
	all on one side ; spines of two very distinct sizes, the smaller regularly	
	distributed between the larger,	fruticosa (Gray).
	4. Corallum allied to that of Aphanipathes fruticosa, in mode of branching;	
	spines arranged in verticils, and covered with sharp spinose processes, .	verticillata, n. sp.
	5. Branchlets long and straight, chiefly in one plane and collected into fau-	
	like groups, simple, or bearing two or three secondary branchlets;	
	spines rough, with a blunt apex,	pedata (Gray).
	$\beta$ . Branches bearing two or more rows of slender pinnules.	
	6. Stem branched; branchlets bearing two lateral alternate rows of closely-set	
	pinnules, certain of which become elongate and pinnate; spines elongate,	
	broad and flattened, arranged in close dextrorse spirals, .	pennacea (Pall.).
•	7. Stem simple, short, bearing relatively long, alternate, simple, closely set	
	pinnules; spines acicular, in irregular longitudinal rows, .	eupteridea (Lamx.).
	8. Stem branched, branches collected into groups, bearing four rows of	
	pinnules, two lateral and relatively close, others from antero-lateral	
	margins, irregular and more distant; spines rough, arranged in irregular	
	dextrorse spirals,	alata, n. sp.
	9. Stem branched, branches bearing slender pinnules arranged spirally;	
	spines simple, tapering to a slender point, arranged in steep irregular	
	dextrorse spirals,	wollastoni (Gray, MS.).
	10. Stem simple; branchlets in five equidistant, subhorizontal rows, lower	
	ones bearing one or two simple or forked processes near the base; spines	2
	broad and much flattened,	barbadensis, n. sp.
B.	Spines longer about the polyps, giving an appearance of successive swellings on	
	the axis.	
	1. Corallum subflabellate; spines exceedingly long and numerous, forming	
	dense moniliform dilations of the axis in the region of each zooid, .	humilis (Pourt.).
	2. Corallum densely flabellate, branches without regular pinnate arrange-	
	ment; spines rather short, excepting a few in the neighbourhood of each	
	zooid, which are long and slender,	thyroides (Pourt.).
	3. Branches regularly pinnate; pinnules lateral, nearly at right angles,	
	short, with spinose processes ; longer spines slightly rugose, .	<i>filix</i> (Pourt.).