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 the Philippine klames hats juat hromelat to light one of the mont

 be refered to the Apiocrimidar or to the l'materimitidar: the eremeral structure of the calles and atm bases is that of Buth!erimus: of the aloms and pimmales that of the Pentacrantialar: of the proximal part of the stem that of the Pemtarinitidar. Wat of most of the - tom that

 focial, and it is quite possible that it should be emonsdered an cont gemerie with them. In gemeral torms it maty be all to hohd exatly the same redation to the P'entacrinitidar as Thiollidrictines does to the Comatulida.
 40 inches, so that it is mumb the tallent peremt fixed amond rot dia-
 green of the Pentacrinitida and the yollow wh the Apiowrinider amd Bourgueticrindar in sisuliforane.

The new gemme may ho known :

## PROISOCRINUS, HnW (gemms.

 sperem which it contains.


## PROISOCRINUS RUBERRIMUS, new species.




 posed of pentalobate rohmmatro, erencrally altomatine in sime but

[^0]showing interalated colummars in all stages of growth, and at intervals a large nodal bearing five cirri. The


Fig. 1.-I'rnisuctunés Reberkrmus; (BOWN AND LPREIA MPTOFCOBMN; FI:OM TH1. TY゙1 interval between these nodals rapidly increases as a result of extensive interealation of new columnars; correlatively the nodals progressively lose their individuality (fig. 2), the cirri, which are never more than rudimentary, drop off, and the nodals become indistingruishable from the other segments. The ten internodes possess the following numbers of columnars, the first being that just beneatli the basals: 1 (intercalated), 1 (intercalated), 3 (22 intercalated), 4 ( 3 intercalated), 5,8, 14,25 (there are no cirri at this nodal and the cirrus sockets are partially obliterated), 39 (all of the same size; the difference between this notal and the internotals aloove it is not great; the (inrus sockets are indistinct); 38 (all of the same size; the notal is scatcely distinguishable from the columnars on either side of it, and the cirrus sockets can only just be made out); this last norlal is 1.51 mm . from the erown (fig. 2 ): below this point the stem is crlindrical, 5 mm. in diameter (hasving decreased in diameter very gradually as the segments lost their pentalobate outime), each segment being 1.5 mm . high, and all of equal size: the ends show a depressed central area surrounded by a rim about 1.5 mm . broad with 1 is coarse radial (renellae (fig. 3) ; distally the stem very slowly increases in diameter, the broken end being 11 mm . across: the last few columnars are 3.5 to 4 mm. in height. As the distalmost part of the stem enlarges with slightly greater rapidity than the remainder, the stem was undoubtedly broken off deses to the root. The cirri are all broken; but they appear never to have exeeded 5 mim. in length.

Basals 5, equal in size, howally pentagomal, 3.6 mm . hroat ant 3.7 mm . high, the anterior aper forming an angle of about $120^{\circ}$ (fig. 1) : the basal circlet has a diameter of about 6.4 mm ; its outer sides are parallel with the derso-ventral axis of the animal.

Radials large, trapezoidal, the dorsal surface 7.5 mm . Kong and 9 mm . in maximum (distab) width: the outer sides of the radiad eirelet make an angle of about $45^{\circ}$ with the dorso-ventral axis of the amimal.

The primibrachs are very closely mited, apparently hy syzyg: the first primibrach oecupies proximally the entire distal border of the radiak: it is approximately oblong, with moderately con ave distad and convex proximal edges, and straight lateral edges which are entirely free, but are in close apposition with those of the neighboring first primibrachs, and are sharply flattened. The median length is $\cdot 3.7 \mathrm{~mm}$., the lateral length 3.5 mm . : the second primibrach (axillary) is considerably smaller than the first, but of equal width; it is 3.3 mm . in median and 2 mm . in lateral length; the anterior angle is rather obtuse; the outer colges of the primibrachs are parallel with the dorso-ventral axis of the animal.

The secundibrachs are two in number, united ber syzegy like the primibrachs: the first is much larger than the second, and is in close apposition with its fellow interiorly, though not mitert to it.

The twenty arms are $1,55 \mathrm{~mm}$. long, moderately stemter; the first brachial is targe, approximately square in extermal view; the secemed brachial is united to the first be syays; it is oblong, ahout twice as broad as long, and abont one-half the size of the first ; the following brachials are approximately sfuare, with combave sides and slighty projecting and spinous distat ends, becoming longer than browd distally; the terminal ten or twelve brachiak bear no pimules. There are no brachial sy\%ygics.

The pimmules are not very different from those of the pentaremites, but the lower segments


Pug. 2.-Prolsocrints RUBERRIMUS: PROXIMAL ANH HSTAL PORTION OF COOLUMN゙。 have produced and strongly denticulate edges, this dying away

Eratualls in the outer haif of the pimmules ; there are larere covering plates. but modedinite side plates. 'The pimmales are 17 of 1 is mom. long in the middle amd onter part of the arm, somewhat sherter proximally: the first pimmole is on the second brachial.
(oblor (in liles). "Brilliant milorm scarlet"

 (1) A coll MAR FBOM

 (F゙. M. Chamberlain).
 from 1 (butross station $5+39$.

The qenus Proisnerinus lis most nealy related to C'erpentorocrinus, a genus which I created not fong ane lor the reception of the courious speces called by Cimpenter Pontacrimus mollis. This species is rery imperfectly known, the type amd only known suecimen being a mutiated ealy with a few colummars attached which is now in the British Museum. 'The eharacters which it presonts appeab to warant generice differentiation from Prosocrimus melserimus, though modoubtedly the two are elosely allied. It is interesting to mote that both in Earpenterormus and Proisocrinus ome of the rats is smather than the other four.


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