

1848. SIEBOLD, CARL THEODOR ERNST VON, born 1804, died April 7, 1885 (Friedländer, *Naturæ novitates*).

Lehrbuch der vergleichenden Anatomie der wirbellosen Thiere. Berlin. 1848.

1849. BRANDT, JOHANN FRIEDRICH.

Symbolæ Sirenologicæ, quibus præcipue Rhytinæ historia naturalis illustratur auctore Joanne Friderico Brandt. (Conventui exhib. die 23 januarii 1845.) Appendix II. *De animalculo parasitico peculiari (Cyamo ? vel rectius forsan Sirenocyamo ? Rhytinæ) in Rhytinæ cuticula a Stellero observato una cum Rhytina et Ascaridibus ejus deleto.* Mémoires de l'Académie impériale des Sciences de Saint-Pétersbourg. Sixième série. Sciences naturelles. Tome V. St.-Pétersbourg. 1849. pp. 153-157.

After quoting Steller's account, *Novi Comment. Petropol. t. ii. pp. 298, 324, and 330*, and considering how far it agrees or disagrees with the genus *Cyamus*, Brandt continues, "Ad stabiliendam tamen differentiam genericam aliorum Sireniorum ordinis animalium pediculorum cognitio adhuc optanda videtur. Qua de causa pro tempore parasitum Rhytinæ dubitanter (sicuti signum interrogationis indicat) generi Cyamorum quidem inseruimus, sed in parenthesi nomen hypotheticum Sirenocyamus interrogationis signo addito pariter exhibuimus antequam, quæ sequitur, descriptionem ejus in ordinem systematicum redactam proponimus.

"*Cyamus (?) num genus proprium Sirenocyamus (?) Rhytinæ.*

"*Pedes mandibulares biarticulati, extremitate acutissimi et clavati. Pedum thoracorum sex paria. Pedes thoracali annulo inserti chelis similes, biarticulati. Appendices respiratoriæ a Stellero non descriptæ. (An characteres generis Sirenocyamus ?).*

"*Characteres specifi.*

"*Habitus fere, ut videtur, Cyami gracilis. Caput oblongum, acutum. Antennulæ geniculatæ, duæ, breves, 1/2 lineam longæ, e fronte exprorectæ. Annuli corporis pro numero pedum sex, dorso convexi, 1/3" lati, a primo ad ultimum annulum (caudam) sensim angustiores. Thoracis annulus sequentibus duplo latior, leutis dimidium referens. Annulus ultimus seu caudalis orbicularis. Pedes (exceptis illis, qui ad latera thoracis erant adnati et chelas crassas, biarticulatas, aculeo flexili firmissime Rhytinæ cuticulæ infixas referebant) graciliores, omnes aculeis præfiniti et sensim breviores; ultimi duo brevissimi ex annulo caudali emergentes corpusculum præfinitiebant, ac dum animalculum gradiebatur dirigebant.*

"*Corpus dimidiam plerumque unciam longum, diaphanum.—Color candidus aut subflavus.*"

If the creature was correctly observed by Steller, the genuine *Cyami*, Brandt says, differ from it:—"Pedibus mandibularibus [maxillaribus] 5-articulatis, pedum corporis genuinorum paribus quinibus, omnibus quinque-articulatis, necnon appendicibus respiratoriis in secundo et tertio corporis annulo pedum loco conspicuis." He thinks that the Rhytina's parasite may have been allied to the *Leptomeræ* rather than the *Cyami*, and contemplates the possibility of finding other *Sirenocyami* still living on other Sirenia.