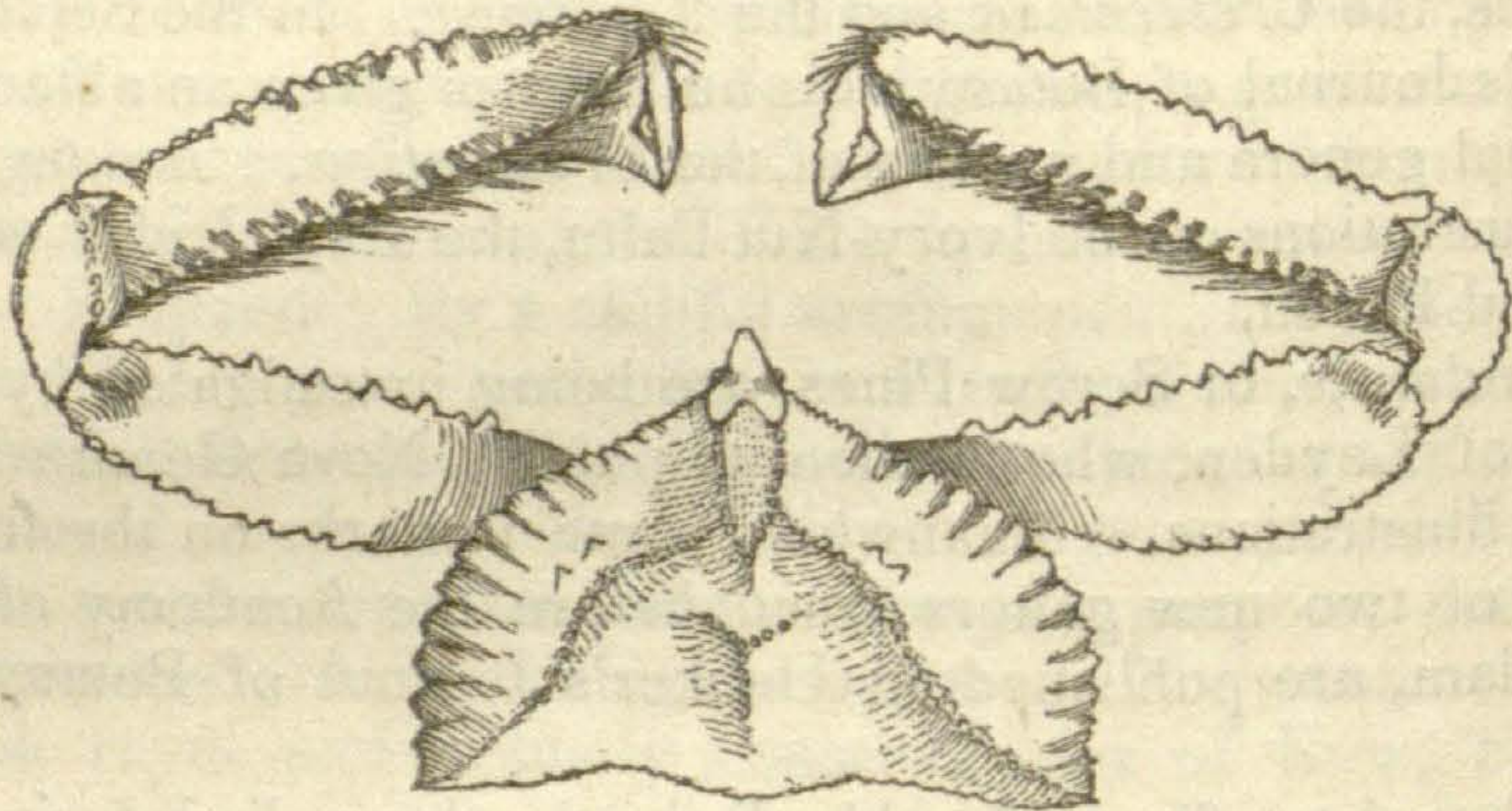


5. *Description of a New Species of Cryptopodia from California;*
by JAMES D. DANA.

CRYPTOPODIA OCCIDENTALIS. Rostrum parvulum, subspiniforme. Carapax postice rectangulatus, angulis postero-lateralibus acutis, margine postico rectiusculo, transverso, margine antero-laterali arcuato, lateralique denticulatis. Chelæ prælongæ, bene trigonæ, angulis tenuibus inæquè subspinulosis, manu latitudinem carapacis longitudine æquante, superficie supernâ planâ. Pedes 8 postici tenuiter compressi, articulis 3tio 4to 5toque bialato, tarso tenui, 4-alato. Long. 1".



Cryptopodia occidentalis.

The carapax has a triangular sharp-edged prominence on the medial line behind the middle; a doubly curving subtuberculate ridge extending to the posterior angles; a small denticulate ridge, extending from near the middle to either side of the base of the beak, the two enclosing a narrow area. The breadth of the carapax is $1\frac{1}{4}$ inches, the length of the hand $1\frac{1}{8}$ in.; of the carpus 5 lines; of the arm 1 inch. The animal appears to have had when alive a villous coat over the carapax and upper surface of the hand. From Monterey, where it was obtained by Wm. Rich, Esq.

IV. ASTRONOMY.

1. *New Planets*, (Astron. Journ., 75.)—Mr. J. R. HIND announces the discovery of another asteroid, on the 22d of July, at 11^h 25^m, at Mr. Bishop's Observatory in Regent's Park. It appears as a star of the 9·10 magnitude. Its position at that time was R. A. 21^h 10^m and N. P. D. 106° 20'. On the 1st of Sept., Mr. James Ferguson of the Washington Observatory discovered a new asteroid near *Egeria*, and nearly equaling it in brightness. The next day it preceded *Egeria* 24^s, and was 52" farther North. Professor Reuel Keith has computed the following elements from the Washington observations of Sept. 2, 6, and 10. They satisfy the middle place perfectly.

Mean Equinox 1854.0	Epoch, Sept. 2·721	Greenwich M. T.
Mean anomaly, -	-	- 13° 36' 33"·3
Long. perihelion, -	-	- 352 5 50·6
“ asc. node, -	-	- 33 29 21·7
Inclination, -	-	- 22 39 13·6
Angle of excentricity, -	-	- 4 22 30·2
Log. semi-axis major, -	-	- 0·469530
“ mean daily motion, -	-	- 2·845712

2. *New Comet*, (Astron. Journ., 76.)—A new comet was discovered on the 13th of Sept. by Mr. Robert Van Arsdale at Newark, N. J. Its position, Sept. 3d, 9^h 50^m 30^s was R. A. 8^h 21^m 36^s, and Decl. +74° 30'.