

*Phrosina australis*, n. sp.

The only differences of importance that I can discover between this species and *Phrosina semilunata*, Risso, refer to the uropods, of which the first and second pairs, instead of having broadly rounded terminations, are distinctly narrowed and acute or nearly so; the telson also is less rounded apically than in the other species; the rami of the pleopods have seven or eight joints. The fourth segment of the pleon has the hind margin straight across the back. In the first and second peræopods, the denticulation of the distal margin is less marked than in the other species, and in the fourth peræopods this margin has three teeth in the front part, that nearest the fifth joint being the broadest of the three.

*Length*, rather under a quarter of an inch.

*Locality*.—Station 164D, June 14, 1874; east of Australia; lat. 34° 3' S., long. 152° 20' E.; surface; surface temperature, 67°·5. One specimen.

*Remarks*.—The specific name refers to the capture of the species far in the south. The difference in the uropods is rather striking as combined with the very close resemblance in other parts between this and the type species.

The following list will show the distribution of the genus *Phrosina* as illustrated by the Challenger specimens:—

1. June 18–19, 1873, east of Bermuda; lat. 35° 18' N., long. 51° 42' W.; surface. One specimen.

2. April 29, 1876, North Atlantic; lat. 18° 8' N., long. 30° 5' W.; surface, night. One specimen.

3. Station 346, April 6, 1876; Tropical Atlantic; lat. 2° 42' S., long. 14° 41' W.; surface. One specimen.

4. Station 164D, June 14, 1874; east of Australia; lat. 34° 3' S., long. 152° 20' E.; surface. One specimen.

5. Station 201, October 26, 1874; off Samboangan; lat. 7° 3' N., long. 121° 48' E. One specimen, a fifth of an inch long, mounted in Canada balsam.

6. April 3, 1875, North Pacific, south of Japan; lat. 24° 49' N., long. 138° 34' E. One specimen.

7. Station 230, April 5, 1875; North Pacific, south of Japan; lat. 26° 29' N., long. 137° 57' E.; surface. Four specimens.

This range is extended by specimens which have been reported from the Mediterranean and the Cape of Good Hope, and by *Phrosina longispina*, Spence Bate, "found in the stomach of a shark, lat. 26° 27' S., long. 90° W." It is probably under some misapprehension that Bovallius assigns the last-named species to the "South Atlantic."