

Additional Notes on Cephalopods from Northern California

BY

ROBERT R. TALMADGE

IN 1967 I BRIEFLY DISCUSSED the status of 10 species of cephalopods collected along the coast of northern California, between the 40th and 42nd parallels. In that discussion I mentioned that many of the species were pelagic and that probably in due time additional species would be found in this area. The following data are presented to record such additional species.

Vampyroteuthis infernalis Chun, 1903

A. G. SMITH (1971) reported on 2 specimens of this species that I had deposited in the collection of Invertebrate Zoology at the California Academy of Sciences in San Francisco and that had been taken by the *M. V. Ina* off northern California. I can now add 2 additional records from the same general region, one taken in 380 fathoms, and one in the very unusual depth of slightly less than 100 fathoms by the *Lynda Dawn* near Crescent City, Del Norte County, California. Both specimens are in the Talmadge collection, Eureka, California.

Calliteuthis dofleini (Pfeffer, 1912)

A single specimen of this squid species reached me through the courtesy of the crew of the dragboat *Ina*. The specimen, a female in good condition, lacked only the tips of the 2 club arms. The body was firm and not distorted. This specimen, taken in nearly 400 fathoms of water off the study area, was deposited in the Invertebrate Collection of the California Academy of Sciences, San Francisco.

It is quite probable that this species has been taken several times along the west coast of North America, but has been unreported. BERNARD (1970) refers the species to *Histioteuthis*, and lists it as being "Pelagic, 48° : 50° N" on the coast of British Columbia, Canada. I follow Voss (1963) who uses *Calliteuthis* instead of *Stigmatoteuthis*

as does AKIMUSHKIN (1963) for the species. Regardless of generic placement, the single specimen appears to be the first recorded from northern California.

Dosidicus gigas (d'Orbigny, 1835)

There is a specimen of this species, reputedly taken off the northern Californian coast at Humboldt State College in Arcata, California. However, as the data were so incomplete and as out-of-region material was mixed in with the teaching collection, I have hesitated to record the species from this area. Recently, Dr. William Shapeero of the College of the Redwoods asked me to check out the identification of a medium-sized squid that had been given to the college. The specimen proved to be a female of the species under discussion, somewhat distorted, but with the horny, toothed rings on the suckers of both the arms and the clubs quite noticeable. Later, in conversation with Captain Jim Riley of the *M. V. Ina*, which had furnished the specimen, I learned that this was one of several such squid taken off Trinidad, Humboldt County, California in approximately 340 fathoms. Captain Riley stated that such squid appear from time to time in large numbers, but that their occurrence is definitely sporadic with no apparent migration periods.

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¹ Field Associate, Department of Invertebrate Zoology, California Academy of Sciences, San Francisco, California 94118