Figures 51 through 56, Miomelon alarconi, Cancellaria stuardoi, C. crawfordiana, and Ptychosyrinx chilensis.

Figures 51 and 52, Miomelon alarconi. Figure 51, radular ribbon, LACM 73502, 200-400 m off Coquimbo, Chile, width of field 0.6 mm. Figure 52, LACM 66-153, 290-450 m off Cabo Carranza, Chile, height 74.9 mm.

Figure 53, Cancellaria stuardoi new species, two views of holotype, LACM 1988, 240-350 m off Pichilemu, Chile, height 61.3 mm.

Figure 54, Cancellaria crawfordiana, two views, LACM 72505, 50-100 m off Redondo Beach, California, height 49.8 mm.

Figures 55 and 56, Ptychosyrinx chilensis. Figure 55, two views, LACM 72506, 350 m off Pichilemu, Chile, height 42.4 mm. Figure 56, radula ribbon, LACM 72506, same locality, width of field 0.4 mm.

Ptychosyrinx chilensis is the only eastern Pacific member of its genus, a member of the subfamily Turrinae, in which the excurrent sinus is located at the peripheral keel (see Powell, 1966; McLean, 1971). According to Powell (1966), other species occur in the “deep ocean basins of the Indian Ocean, Natal, East Africa and the East Indies, the north Atlantic, off Bermuda.” Hickman (1976) illustrated P. chilensis and recorded species of Ptychosyrinx from the Oligocene of Oregon.

**Ptychosyrinx chilensis** Berry, 1968

Figures 55, 56


**DESCRIPTION.** Shell moderately large, length of aperture and canal less than half the length of the shell; color light brown under a fine brown periostracum; shoulder concave, growth line deeply sinuate, periphery marked by strong axial projections, about 15 per whorl; base with three strong spiral cords, the posteriormost retained just above the suture; fasciole with more subdued spiral sculpture.

Dimensions: height 42.4 mm, diameter 15.8 mm (Fig. 55).

Radula (Fig. 56): rachidian rectangular, unicuspid; marginals of “wishbone” type. This is typical for the genus as described by Powell (1966).

**MATERIAL.** Chile: Punta Mar Brava (LACM), Punta Hornos (LACM), Coquimbo (LACM), Punta Panulcillo (LACM), Bahia Navidad (LACM), Pichilemu (LACM, Fig. 55), Cabo Carranza
Contributions in Science, Number 342


ACKNOWLEDGMENTS

We are most grateful to the captains and the crews of the trawling vessels, in particular Sr. Alejandro Gonzalez, of the GODEN WIND, for collecting the majority of the specimens upon which this report is based.

Andrade thanks Prof. Maria Codoceo R., of the Museo Nacional de Historia Natural, Santiago, Prof. Pedro Baez, Instituto Profesional de Iquique, and Prof. Fernando Alcazar, Universidad de Valparaiso, for their continued assistance with many phases of the investigation of the offshore fauna of central Chile.

McLean thanks the director and staff members of the Instituto del Mar in Lima, Peru. Through arrangements made by Dr. Enrique M. del Solar, of Lima, McLean was a participant in the cruise of the SNP-1 to the Lobos Islands in northern Peru in 1974.

McLean is grateful to staff members of the Smithsonian Oceanographic Sorting Center for forwarding the material from the cruise of the ANTON BRUUN, and to the committee members who designated the LACM, in addition to the USNM, as the final repository for mollusk collections made by the ANTON BRUUN in the southeast Pacific.

McLean is also grateful to many Chilean biologists and malacologists who aided him during his visits to Chile in 1975 and 1978, including Dra. Marta Bretos Alarcon, Prof. Nibaldo Bahamonde N., Dr. Juan Carlos Castilla, Prof. Maria Codocoo R., Prof. Miguel Padilla G., Prof. Luis Ramorino M., Sr. Jaime Ramirez Boehme, Dr. Patricio Sanchez, Dr. Jose Stuardo, Prof. Jorge Tomicic K., and Dr. C. A. Viviani.

We thank the photography department of the LACM for assistance in the preparation of the illustrations. Radula slides were prepared and photographed by museum volunteer Jo-Carol Ramsaran.

LITERATURE CITED


ACKNOWLEDGMENTS

We are most grateful to the captains and the crews of the trawling vessels, in particular Sr. Alejandro Gonzalez, of the GODEN WIND, for collecting the majority of the specimens upon which this report is based.

Andrade thanks Prof. Maria Codoceo R., of the Museo Nacional de Historia Natural, Santiago, Prof. Pedro Baez, Instituto Profesional de Iquique, and Prof. Fernando Alcazar, Universidad de Valparaiso, for their continued assistance with many phases of the investigation of the offshore fauna of central Chile.

McLean thanks the director and staff members of the Instituto del Mar in Lima, Peru. Through arrangements made by Dr. Enrique M. del Solar, of Lima, McLean was a participant in the cruise of the SNP-1 to the Lobos Islands in northern Peru in 1974.

McLean is grateful to staff members of the Smithsonian Oceanographic Sorting Center for forwarding the material from the cruise of the ANTON BRUUN, and to the committee members who designated the LACM, in addition to the USNM, as the final repository for mollusk collections made by the ANTON BRUUN in the southeast Pacific.

McLean is also grateful to many Chilean biologists and malacologists who aided him during his visits to Chile in 1975 and 1978, including Dra. Marta Bretos Alarcon, Prof. Nibaldo Bahamonde N., Dr. Juan Carlos Castilla, Prof. Maria Codocoo R., Prof. Miguel Padilla G., Prof. Luis Ramorino M., Sr. Jaime Ramirez Boehme, Dr. Patricio Sanchez, Dr. Jose Stuardo, Prof. Jorge Tomicic K., and Dr. C. A. Viviani.

We thank the photography department of the LACM for assistance in the preparation of the illustrations. Radula slides were prepared and photographed by museum volunteer Jo-Carol Ramsaran.

LITERATURE CITED


ACKNOWLEDGMENTS

We are most grateful to the captains and the crews of the trawling vessels, in particular Sr. Alejandro Gonzalez, of the GODEN WIND, for collecting the majority of the specimens upon which this report is based.

Andrade thanks Prof. Maria Codoceo R., of the Museo Nacional de Historia Natural, Santiago, Prof. Pedro Baez, Instituto Profesional de Iquique, and Prof. Fernando Alcazar, Universidad de Valparaiso, for their continued assistance with many phases of the investigation of the offshore fauna of central Chile.

McLean thanks the director and staff members of the Instituto del Mar in Lima, Peru. Through arrangements made by Dr. Enrique M. del Solar, of Lima, McLean was a participant in the cruise of the SNP-1 to the Lobos Islands in northern Peru in 1974.

McLean is grateful to staff members of the Smithsonian Oceanographic Sorting Center for forwarding the material from the cruise of the ANTON BRUUN, and to the committee members who designated the LACM, in addition to the USNM, as the final repository for mollusk collections made by the ANTON BRUUN in the southeast Pacific.

McLean is also grateful to many Chilean biologists and malacologists who aided him during his visits to Chile in 1975 and 1978, including Dra. Marta Bretos Alarcon, Prof. Nibaldo Bahamonde N., Dr. Juan Carlos Castilla, Prof. Maria Codocoo R., Prof. Miguel Padilla G., Prof. Luis Ramorino M., Sr. Jaime Ramirez Boehme, Dr. Patricio Sanchez, Dr. Jose Stuardo, Prof. Jorge Tomicic K., and Dr. C. A. Viviani.

We thank the photography department of the LACM for assistance in the preparation of the illustrations. Radula slides were prepared and photographed by museum volunteer Jo-Carol Ramsaran.

LITERATURE CITED


ACKNOWLEDGMENTS

We are most grateful to the captains and the crews of the trawling vessels, in particular Sr. Alejandro Gonzalez, of the GODEN WIND, for collecting the majority of the specimens upon which this report is based.

Andrade thanks Prof. Maria Codoceo R., of the Museo Nacional de Historia Natural, Santiago, Prof. Pedro Baez, Instituto Profesional de Iquique, and Prof. Fernando Alcazar, Universidad de Valparaiso, for their continued assistance with many phases of the investigation of the offshore fauna of central Chile.

McLean thanks the director and staff members of the Instituto del Mar in Lima, Peru. Through arrangements made by Dr. Enrique M. del Solar, of Lima, McLean was a participant in the cruise of the SNP-1 to the Lobos Islands in northern Peru in 1974.

McLean is grateful to staff members of the Smithsonian Oceanographic Sorting Center for forwarding the material from the cruise of the ANTON BRUUN, and to the committee members who designated the LACM, in addition to the USNM, as the final repository for mollusk collections made by the ANTON BRUUN in the southeast Pacific.

McLean is also grateful to many Chilean biologists and malacologists who aided him during his visits to Chile in 1975 and 1978, including Dra. Marta Bretos Alarcon, Prof. Nibaldo Bahamonde N., Dr. Juan Carlos Castilla, Prof. Maria Codocoo R., Prof. Miguel Padilla G., Prof. Luis Ramorino M., Sr. Jaime Ramirez Boehme, Dr. Patricio Sanchez, Dr. Jose Stuardo, Prof. Jorge Tomicic K., and Dr. C. A. Viviani.

We thank the photography department of the LACM for assistance in the preparation of the illustrations. Radula slides were prepared and photographed by museum volunteer Jo-Carol Ramsaran.

LITERATURE CITED


Received 15 April; accepted for publication 12 July 1982.