

## THREE NEW LAND SHELLS FROM MEXICO

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BY PAUL BARTSCH

*Curator, Division of Mollusks, United States National Museum*

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In a recent sending of land mollusks from Mexico, received from C. R. Orcutt, are three new Urocoptid land shells, which are here described.

**HOLOSPIRA (HOLOSPIRA) ORCUTTI**, new species

Plate 1, figs. 5, 6

Shell large, cylindro-conic, flesh colored with a pinkish flush. The last half of the last turn marked with pale-brown, which is also the color of the base. Nuclear whorls 2.3, large, strongly rounded, smooth, forming an almost mammillate apex. Early postnuclear whorls increasing rapidly in size, marked by rather strongly decidedly retractively slanting threadlike riblets which are separated by spaces three and four times the width of the riblets. These riblets become evanescent on the sixth turn and on the whorls that follow there are mere indications of them. The last turn and a half is again ribbed and on the latter portion of the last whorl the riblets are almost lamellar. The early whorls are slightly over-hanging, while the rest are appressed at the summit. About one-tenth of the last turn is free at the summit, and the angle of the summit stands out markedly here. There is a subobsolete constriction where the side of the whorl meets the basal portion, the axial ribs extending over the base into the umbilical region. The umbilicus is rimate, but not open.

Aperture rather large with a very broad, thick, slightly reflected, wide, shining peristome. Interior of aperture pale-brown.

The type, Cat. No. 361960, U.S.N.M., has 14.5 whorls and measures: Altitude, 25.3 mm.; greater diameter, 8.4 mm. It was collected on a limestone paredon at Coahuila, Mexico.

Twenty-four additional specimens, Cat. No. 361961, U.S.N.M., paratypes, yield the following measurements:

Number of whorls	Length	Diameter	Number of whorls	Length	Diameter
14. 5*	25. 3	8. 4	14. 5	25. 3	9. 0
14. 0	24. 9	8. 4	13. 5	26. 5	9. 8
13. 8	23. 5	8. 0	13. 5	23. 3	8. 0
13. 3	23. 3	8. 4	12. 8	22. 5	8. 9
14. 2	24. 7	8. 9	13. 0	21. 0	7. 8
13. 3	22. 1	8. 5	13. 3	22. 3	8. 4
14. 2	23. 8	8. 3	12. 4	20. 3	8. 1
13. 2	21. 3	8. 1	12. 6	20. 6	8. 3
14. 0	24. 8	8. 5	13. 3	22. 5	8. 8
13. 0	23. 8	9. 1	13. 8	24. 2	9. 2
14. 5	24. 7	8. 1	14. 0	23. 6	8. 0
14. 2	25. 1	8. 0	13. 3	21. 9	7. 9
14. 4	27. 9	9. 3			
Greatest-----			14. 5	27. 9	9. 8
Least-----			12. 4	20. 3	7. 8
Average-----			13. 62	23. 57	8. 49

\*Type.

HOLOSPIRA (HOLOSPIRA) MONCLOVANA, new species

Plate 1, figs. 1, 2

Shell acicular, bluish-white. Interior of aperture brown. Nuclear whorls  $2\frac{1}{2}$ , rather large, well rounded, smooth. The postnuclear whorls are rather narrow. The first seven increase slowly in size and form a narrow cone. They are marked by numerous, slender, decidedly retractively slanting axial riblets, which are about one-third as wide as the spaces that separate them. These riblets grow successively weaker from the first to the seventh of these turns and on the succeeding whorls, which are moderately rounded, they are indicated at best only as lines of growth. The last whorl is marked by strong, somewhat irregular, curved axial ribs, which are about as wide as the spaces that separate them. Suture moderately impressed. Periphery of the last whorl marked by a rather strong carina. This carina is separated from the posterior portion of the whorl by a somewhat pinched-in zone. The last fifth of the whorl is free from the preceding turn at the summit and the angle of the summit forms a strong carina, while the space between it and the preceding turn, that is, the outside of the parietal wall, is flattened. Anterior to the peripheral carina the base slopes toward the umbilical chink, which is rimate but not perforate. This portion of the base is marked by

rough lines of growth. Aperture broadly pear-shaped with the outer lip decidedly expanded, thickened, and reflected into a disjunct peristome.

The type, Cat. No. 361962, U.S.N.M., was collected at southeast Monclova, Coahuila, Mexico. It has 16.5 whorls and measures: Length, 20.9 mm.; diameter, 6.3 mm.

Cat. No. 361963, U.S.N.M., contains 24 additional specimens which yield the following measurements:

Number of whorls	Length	Diameter	Number of whorls	Length	Diameter
16.5*	20.9	6.3	15.5	20.1	6.0
15.0	19.6	5.9	15.8	20.3	5.9
16.7	21.8	5.9	15.0	19.4	5.4
16.7	22.3	5.9	14.8	19.2	5.8
15.3	20.2	5.9	14.2	17.9	5.3
15.8	20.4	5.8	15.8	19.7	5.2
15.0	19.2	5.8	15.0	19.0	5.4
14.4	18.0	5.6	15.0	20.0	5.7
15.2	20.4	6.0	15.3	19.6	5.8
14.0	18.1	5.8	16.0	19.6	5.6
16.3	21.6	5.4	15.0	19.2	5.6
15.4	20.1	5.9	14.3	18.4	5.3
16.7	20.5	5.4			
Greatest-----			16.7	22.3	6.3
Least-----			14.0	17.9	5.2
Average-----			15.39	19.8	5.7

\*Type.

HOLOSPIRA (EUDISTEMMA) PICTA, new species

Plate 1, figs. 3, 4

Shell acicular, bluish-white, with a narrow zone of rusty-brown immediately below the summit. The area immediately behind the aperture is also very dark-brown, the basal portion being a little paler. Interior of aperture brown. Nuclear whorls 2.2, well rounded, with an indication of distantly spaced axial lines of growth which hint at a progressive state of sculpture; that is, the postnuclear sculpture is passing up on the nuclear turns. Postnuclear whorls narrow, the early ones well rounded, the later only moderately so, all appressed at the summit. The first four are marked by decidedly retractively curved, slender axial riblets which are about one-third as broad as the spaces that separate them. The riblets become increasingly less developed from the first to the last of these turns after which they become quite obsolete, so that the following turns are marked only by indications of lines of growth. However, on the last two

and one-half turns we again have ribs appearing, but these ribs are large, broad, rough, and rather ill-defined. Suture moderately impressed. Periphery of the last turn, which is rather high, marked by a very strong carina with a pinched-in area immediately above and below it. The basal wall sloping to the umbilical chink is marked by numerous, rough, slightly lamellar ribs. There are here also some indications of spiral sculpture. Aperture moderately large, more or less triangular, with a broad, expanded and reflected, wide peristome which is free. The summit of the free portion of the last whorl forms a strong carina. The outside of the free portion of the parietal wall is marked by the continuation of the axial ribs.

The type, Cat. No. 361964, U.S.N.M., was collected east of Monclova, Coahuila, Mexico. It has 17 whorls and measures: Length 22.1 mm.; diameter, 5.3 mm.

Twenty-four additional specimens, Cat. No. 361965, U.S.N.M., yield the following measurements:

Number of whorls	Length	Diameter	Number of whorls	Length	Diameter
17.0*	22.1	5.3	15.0	19.1	4.7
16.2	20.6	4.8	16.5	21.0	4.9
15.5	19.7	5.7	15.0	19.8	4.5
17.2	23.3	4.8	16.5	21.0	5.0
14.8	18.4	4.9	15.4	18.9	4.8
17.0	21.5	5.0	16.3	20.5	4.8
15.3	18.9	4.9	16.2	19.8	4.9
17.2	22.1	4.9	15.6	20.8	5.1
15.8	20.6	5.4	15.2	19.1	5.1
16.3	19.4	4.9	16.0	21.1	5.2
15.0	18.5	5.0	16.2	20.8	5.0
15.5	19.6	4.9	16.0	20.8	5.2
17.0	21.0	4.9			
Greatest-----			17.2	23.3	5.7
Least-----			14.8	18.5	4.5
Average-----			15.99	20.34	4.98

\*Type.

Another lot, Cat. No. 361966, U.S.N.M., taken at an altitude of 3,000 feet, about halfway between Nueva Leon and Monclova, Coahuila, Mexico, appears to belong to this species. Twenty-four specimens of this lot yield the following measurements:

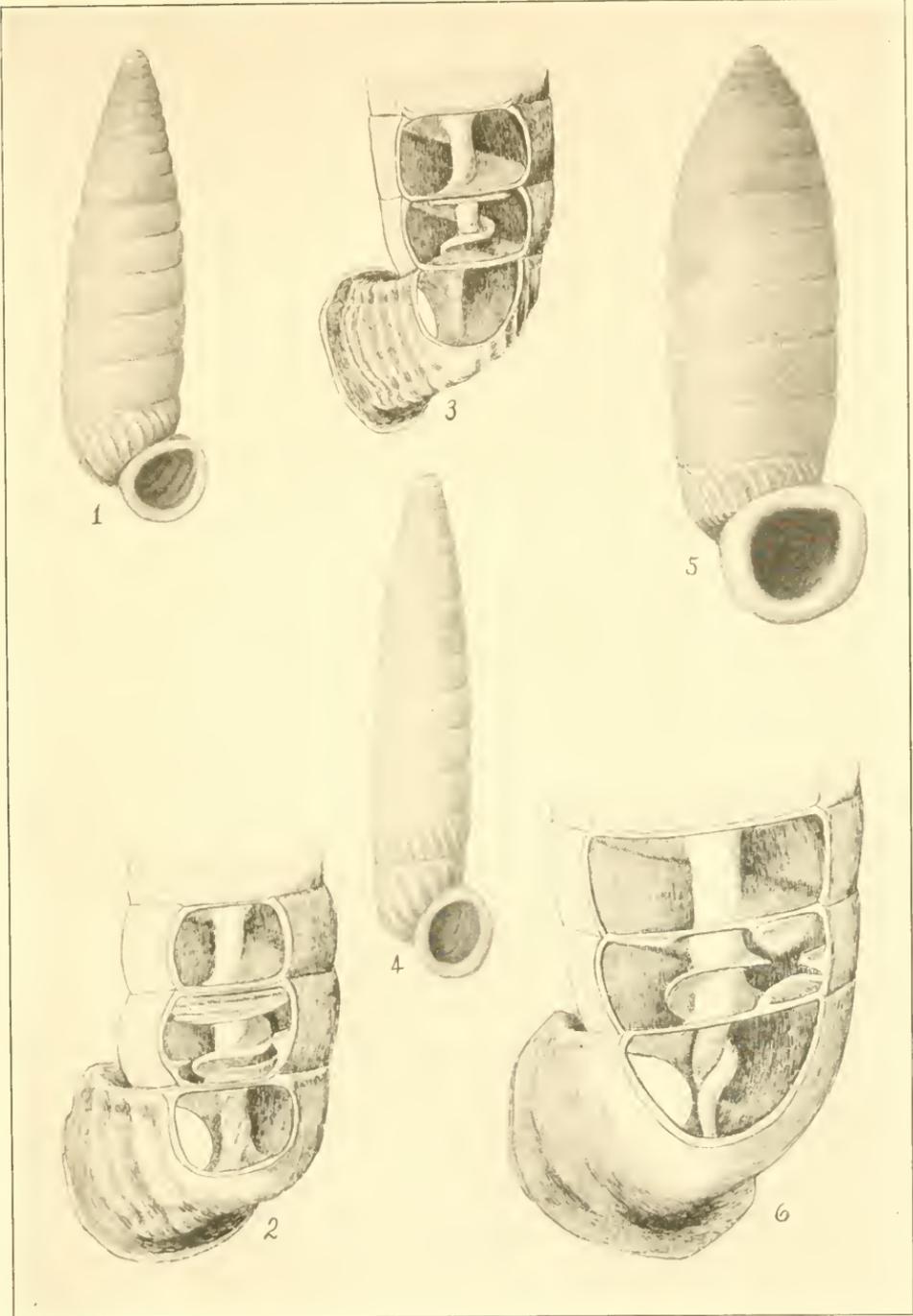
Number of whorls	Length	Diameter	Number of whorls	Length	Diameter
14.8	17.4	4.9	16.3	20.4	4.8
15.0	18.6	4.5	15.2	18.9	4.8
14.8	18.7	4.7	15.3	20.4	5.7
15.8	19.7	4.6	15.5	19.6	4.8
15.7	19.1	4.3	15.4	19.0	5.1
15.3	18.7	4.7	14.5	18.4	5.3
15.0	18.5	4.1	15.8	19.5	4.5
15.0	18.1	4.4	16.2	20.0	4.2
16.0	20.2	4.3	14.8	18.7	5.1
14.3	18.5	5.4	15.2	20.5	4.6
16.0	21.4	4.4	15.5	19.2	5.0
14.2	17.5	4.5	16.3	20.6	4.7
Greatest.....			16.3	21.4	5.7
Least.....			14.2	17.4	4.1
Average.....			15.32	19.23	4.72

## EXPLANATION OF PLATE

- FIG. 1. *Holospira (Holospira) monclovana* B.  
 2. *Holospira (Holospira) monclovana*, showing internal lamellation.  
 3. *Holospira (Eudistemma) picta* B., showing internal lamellation.  
 4. *Holospira (Eudistemma) picta*.  
 5. *Holospira (Holospira) orcutti* B.  
 6. *Holospira (Holospira) orcutti*, showing internal lamellation.







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