

ECHINOID-BEARING LIMESTONE FROM GATUNCILLO FORMATION OF MADDEN BASIN, PANAMA

Cubanaster acuñaí. Natural size.



BOULDER CONGLOMERATE OF BOHIO FORMATION AT SALUD POINT, BARRO COLORADO ISLAND, CANAL ZONE
Photograph by Geological Section, Special Engineering Division, Panama Canal Company.



POORLY SORTED CONGLOMERATE OF BOHIO FORMATION ON TRANSISTHMIAN HIGHWAY NEAR LAS CUMBRES, JUST SOUTH OF CONTINENTAL DIVIDE, PANAMA

Photograph by Geological Section, Special Engineering Division, Panama Canal Company.



ALHAJUELA SANDSTONE MEMBER OF CAIMITO FORMATION AT NORTH ABUTMENT OF MADDEN DAM, CANAL ZONE
Photograph by Engineering and Construction Bureau, Panama Canal Company, 1932.



EMPERADOR LIMESTONE MEMBER OF CULEBRA FORMATION ON WEST BANK OF PANAMA CANAL AT CANAL STATION 1619, CANAL ZONE
Photograph by Geological Section, Special Engineering Division, Panama Canal Company.



CORALLIFEROUS LIMESTONE AT BASE OF LA BOCA MARINE MEMBER OF PANAMA FORMATION ON RIO MASAMBI 200 METERS UPSTREAM FROM EAST BANK OF PANAMA CANAL, CANAL ZONE

Photograph by Geological Section, Special Engineering Division, Panama Canal Company.

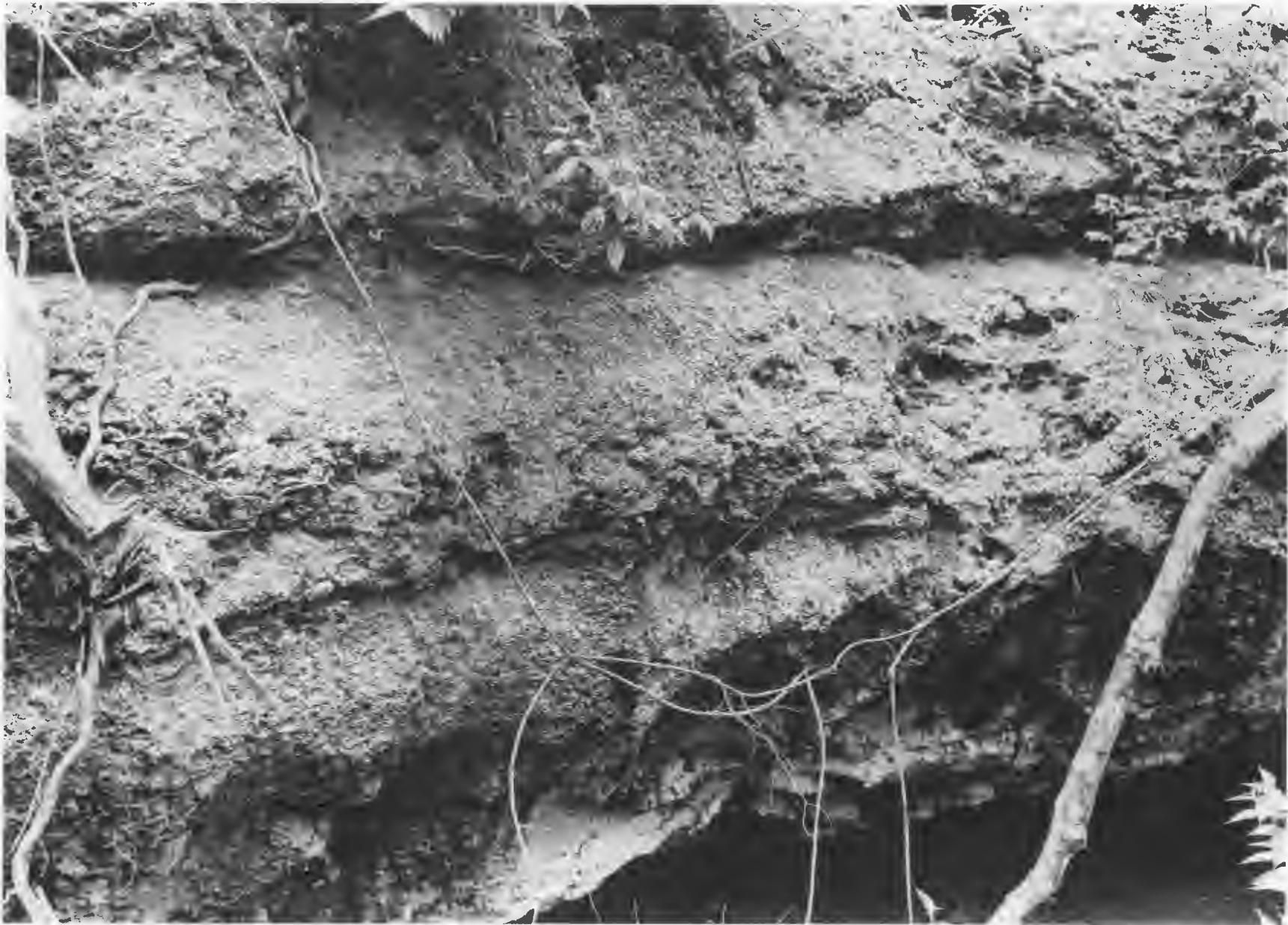


STRATA IN MIDDLE PART OF GATUN FORMATION ON EAST SIDE OF GATUN THIRD LOCKS EXCAVATION, CANAL ZONE
The numbered units correspond to those of the stratigraphic section. Photograph by Geological Section, Special Engineering Division, Panama Canal Company.



TORO LIMESTONE MEMBER OF CHAGRES SANDSTONE RESTING ON MARLY SILTSTONE IN MIDDLE PART OF GATUN FORMATION IN ROAD CUT 3 KILOMETERS SOUTHWEST OF GATUN, CANAL ZONE

The contact between the formations is at the pick point of the hammer. Photograph by Geological Section, Special Engineering Division, Panama Canal Company.



TORO LIMESTONE MEMBER OF CHAGRES SANDSTONE IN ROAD CUT 3 KILOMETERS NORTH-NORTHWEST OF GATUN, CANAL ZONE
Photograph by Geological Section, Special Engineering Division, Panama Canal Company.



CHAGRES SANDSTONE IN ROAD CUT 3 KILOMETERS SOUTH OF LAGARTO, PANAMA
Photograph by Geological Section, Special Engineering Division, Panama Canal Company.



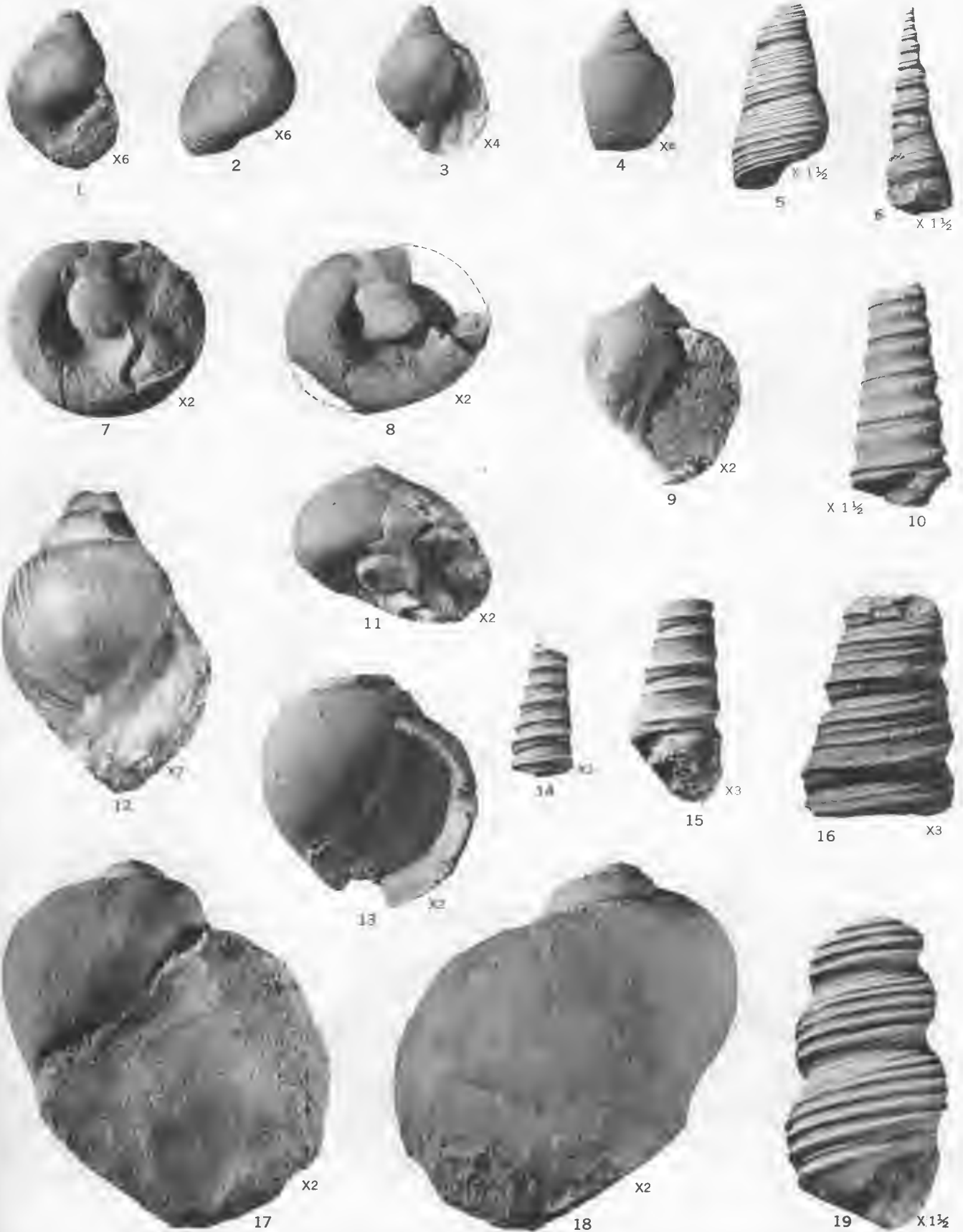
MIDDLE AND LATE EOCENE MOLLUSKS FROM GATUNCILLO FORMATION

PLATE 14

- FIGURE 1. *Pachycrommium? solenaeum* Woodring, n. sp. (p. 96).
Type. Height (not quite complete) 32.5 mm, diameter (somewhat crushed), 22 mm. Locality 38. Gatuncillo formation, middle Eocene. USNM 561364.
2. *Turritella* cf. *T. carinata* Lea (p. 98).
Height (incomplete, 7+ whorls) 41.5 mm, diameter 16 mm. Locality 38. Gatuncillo formation, middle Eocene. USNM 561367.
3. *Hannatoma?* cf. *H. emendorferi* Olsson (p. 68).
Height (incomplete) 35.5 mm, diameter (incomplete) 15 mm. Locality 38. Gatuncillo formation, middle Eocene. USNM 561446.
4. *Amaurellina?* sp. (p. 95).
Height (incomplete) 46 mm, diameter 38 mm. Locality 9. Gatuncillo formation, late Eocene. USNM 561363.
- 5-8. *Velates perversus* (Gmclin), subsp.? (p. 66).
Locality 38. Gatuncillo formation, middle Eocene. USNM 561329.
5, 7. Height 22.5 mm, diameter 43.7 mm.
6, 8. Height 19 mm, diameter 31.7 mm.

PLATE 15

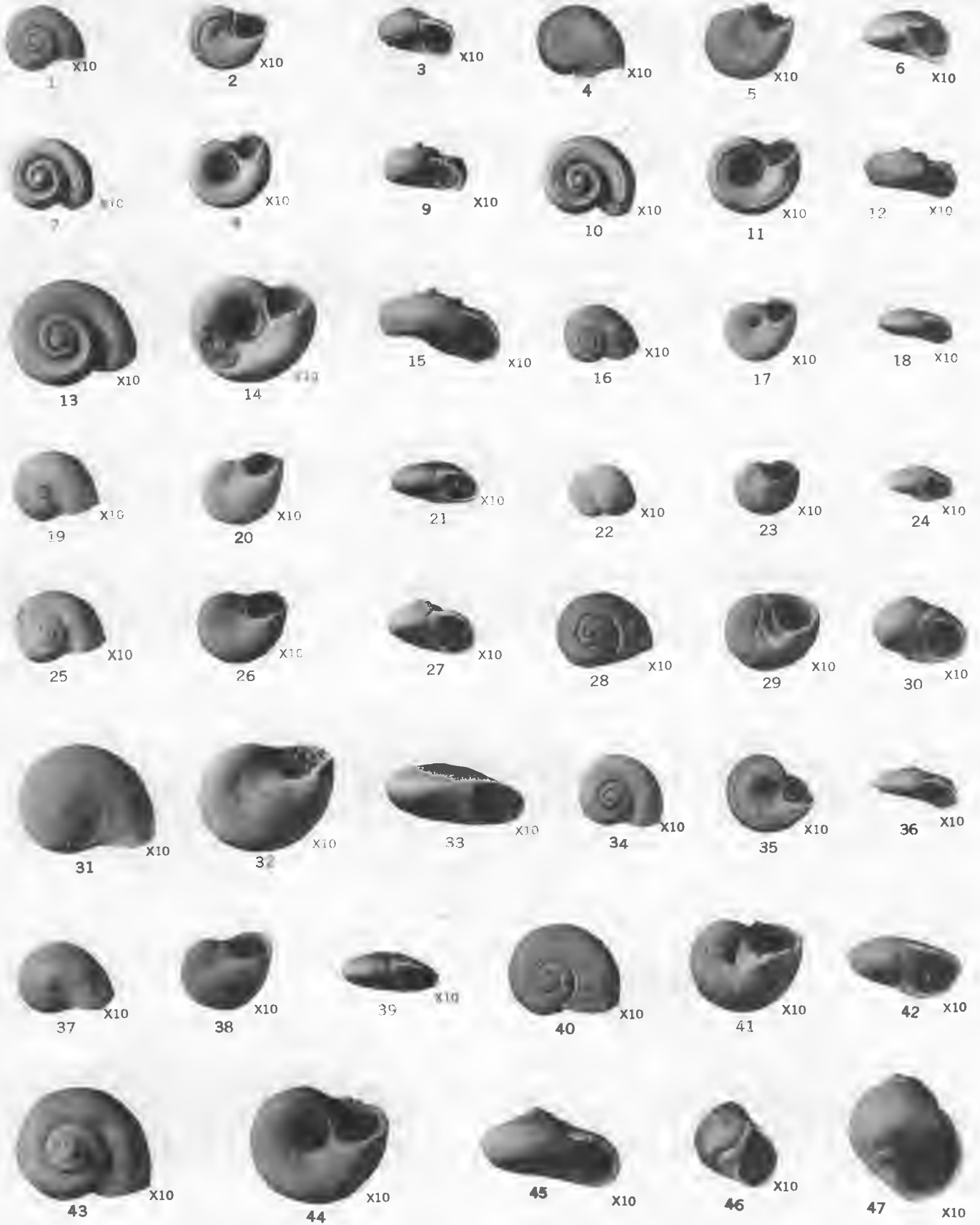
- FIGURE 1, 2. *Tricolia calypta* Woodring, n. sp. (p. 65).
 Type. Height 4.8 mm, diameter 3.1 mm. Locality 40a. Marine member of Bohio(?) formation; USNM 561327.
- 3, 4. *Globularia (Ampulella?) nana* Woodring, n. sp. (p. 95).
 Marine member of Bohio(?) formation.
 3. Type. Height (not quite complete) 7 mm, diameter 5 mm. Locality 42. USNM 561361.
 4. Height (incomplete) 7.1 mm, diameter (incomplete) 5.5 mm. Locality 41. USNM 561362.
- 5, 6. *Turritella adela* Woodring, n. sp. (p. 99).
 Locality 41. Marine member of Bohio(?) formation.
 5. Paratype. Height (incomplete, 3 whorls) 22.5 mm, diameter 12 mm. USNM 561371.
 6. Type. Height (incomplete) 25 mm, diameter 7.5 mm, USNM 561370.
- 7, 8, 11. *Neverita (Glossaulax) bolivarensis tapina* Woodring, n. subsp. (p. 91).
 Locality 40d. Marine member of Bohio(?) formation.
 7, 11. Type. Height 14.5 mm, diameter 19 mm. USNM 561354.
 8. Paratype. Diameter 18.5 mm. USNM 561442.
- 9, 17, 18. *Globularia (Globularia) aff. G. fischeri* (Dall) (p. 94).
 Locality 56. Middle member of Caimito formation.
 9. Height 18.5 mm, diameter (incomplete) 15.5 mm. USNM 561359.
 17, 18. Height (almost complete) 35.5 mm, diameter 31 mm. USNM 561358.
10. *Turritella (Torcula) altilira* Conrad, subsp. (p. 104).
 Height (incomplete, 5+ whorls) 29.5 mm, diameter 13.3 mm. Locality 56. Middle member of Caimito formation.
 USNM 561382.
12. *Pachycrommium? proinum* Woodring, n. sp. (p. 96).
 Type. Height (incomplete) 26 mm, diameter 19 mm. Locality 40a. Marine member of Bohio(?) formation.
 USNM 135200.
13. *Globularia (Ampuella) sp.* (p. 95).
 Height (incomplete) 21 mm, diameter (modified by dorso-ventral crushing) 19.3 mm. Locality 40d. Marine member of Bohio(?) formation. USNM 561360.
- 14-16. *Turritella cf. T. caleta* Olsson (p. 100).
 Marine member of Bohio(?) formation.
 14. Height (incomplete, 3+ whorls) 7.9 mm, diameter 6.5 mm. Locality 40b. USNM 135166.
 15. Height (incomplete, 4 whorls) 13 mm, diameter 6.5 mm. Locality 42c. USNM 561369.
 16. Height (incomplete, 2+ whorls) 13.5 mm, diameter 9.5 mm. Locality 42c. USNM 561369.
19. *Turritella meroensis* Olsson (p. 99).
 Height (incomplete, 3+ whorls) 39 mm, diameter 21 mm. Locality 56. Middle member of Caimito formation.
 USNM 561372.



LATE EOCENE OR EARLY OLIGOCENE MOLLUSKS FROM MARINE MEMBER OF BOHIO(?) FORMATION AND LATE OLIGOCENE MOLLUSKS FROM MIDDLE MEMBER OF CAIMITO FORMATION IN GATUN LAKE AREA

PLATE 17

- FIGURE 1-3. *Teinostoma (Pseudorotella) stemonium* Woodring, n. sp. (p. 71).
Type. Height 1 mm, diameter 1.5 mm. Locality 138a. Lower part of Gatun formation, middle Miocene. USNM 561432.
- 4-6. *Teinostoma (Idioraphe) angulatum trochalum* Woodring, n. subsp. (p. 70).
Type. Height 1 mm, diameter (incomplete) 1.7 mm. Locality 137. Lower part of Gatun formation, middle Miocene. USNM 561431.
- 7-15. *Cyclostremiscus (Ponocyclus) pentagonus* (Gabb) (p. 73).
Middle part of Gatun formation, middle Miocene.
7-9. Bicarinate specimen. Height 1 mm, diameter 1.6 mm. Locality 147b. USNM 561320.
10-12. Tricarinate specimen. Height 1 mm, diameter 1.8 mm. Locality 147b. USNM 561320.
13-15. Exceptionally large specimen. Height 1.1 mm, diameter 2.3 mm. Locality 155c. USNM 561321.
- 16-18. *Solariorbis (Hapalorbis) hyptius hyptius* Woodring, n. sp. and n. subsp. (p. 75).
Type. Height 0.7 mm, diameter 1.4 mm. Locality 147b. Middle part of Gatun formation, middle Miocene. USNM 561323.
- 19-24, 31-33, 37-39. *Teinostoma (Idioraphe) spermatia* Woodring, n. sp. (p. 69).
Locality 147b. Middle part of Gatun formation, middle Miocene.
19-21. Sculptured specimen. Height 0.8 mm, diameter 1.6 mm. USNM 561313.
22-24. Small specimen. Height 0.6 mm, diameter 1.2 mm. USNM 561313.
31-33. Large form. Height 1.1 mm, diameter 2.6 mm. USNM 561313.
37-39. Type. Height 0.7 mm, diameter 1.8 mm. USNM 561312.
- 25-27. *Teinostoma (Pseudorotella) pycnum* (Woodring). (p. 71).
Height 0.8 mm, diameter 1.3 mm. Locality 147b. Middle part of Gatun formation, middle Miocene. USNM 561317.
- 28-30. *Teinostoma (Diaerecallus) sychnum* Woodring, n. sp. (p. 72).
Type. Height 1.1 mm, diameter 1.7 mm. Locality 147b. Middle part of Gatun formation, middle Miocene. USNM 561316.
- 34-36. *Solariorbis (Hapalorbis) hyptius anebus* Woodring, n. subsp. (p. 75).
Type. Height 0.9 mm, diameter 1.5 mm. Locality 185. Upper part of Gatun formation, western area, late Miocene. USNM 561324.
- 40-42. *Teinostoma (Aepystoma) andrium* Woodring, n. sp. (p. 70).
Height 1.2 mm, diameter 2.1 mm. Locality 137. Lower part of Gatun formation, middle Miocene. USNM 561314.
- 43-45. *Solariorbis (Solariorbis) strongylus* Woodring, n. sp. (p. 75).
Type. Height 1.3 mm, diameter 2.4 mm. Locality 138. Lower part of Gatun formation, middle Miocene. USNM 561322.
46. *Tectonatica agna* Woodring, n. sp. (p. 88).
Type. Height 2.8 mm, diameter 2.4 mm. Locality 147b. Middle part of Gatun formation, middle Miocene. USNM 561348.
47. *Tricolia? syntoma* Woodring, n. sp. (p. 66).
Type. Height 2.2 mm, diameter 2.2 mm. Locality 170a. Middle part of Gatun formation, middle Miocene. USNM 561328.



MIDDLE AND LATE MIOCENE MOLLUSKS FROM GATUN FORMATION

PLATE 19

FIGURE 1-3. *Crepidula plana* Say (p. 79).

Locality 138. Lower part of Gatun formation. USNM 561334.

1. Length 17.5 mm, width 10.6 mm, height 4 mm.

2, 3. Length 15 mm, width 10.5 mm, height 2 mm.

4, 5. *Crepidula* cf. *C. maculosa* Conrad (p. 79).

Length 28.5 mm, width 17.5 mm, approximate height 10.5 mm. Locality 155c. Middle part of Gatun formation. USNM 561333.

6, 7. *Crucibulum (Crucibulum) chipolanum* Dall (p. 82).

Height 16.5 mm, maximum diameter 27 mm. Locality 155b. Middle part of Gatun formation. USNM 561336.

8-10. *Crucibulum (Dispotaea) springvaleense* Rutsch (p. 83).

Height 11 mm, maximum diameter 19.2 mm. Locality 155a. Middle part of Gatun formation. USNM 561337.

11-14. *Trochita trochiformis* (Born) (p. 81).

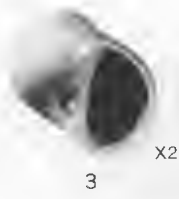
Lower part of Gatun formation.

11, 12. Height (incomplete) 10.7 mm, maximum diameter 28.8 mm. Locality 136. USNM 561335.

13, 14. Height (almost complete) 27 mm, maximum diameter 43.5 mm. Locality 136a. Stanford Univ. paleont. coll. 8072.



MIDDLE MIOCENE MOLLUSKS FROM GATUN FORMATION



MIDDLE MIOCENE MOLLUSKS FROM GATUN FORMATION

PLATE 20

FIGURE 1-3. *Natica* (*Natica?*) *bolus* Brown and Pilsbry (p. 84).

- 1, 2. Height 14.5 mm, diameter 15.2 mm. Locality 159. Middle part of Gatun formation. USNM 561338.
3. Height 9.7 mm, diameter 10.2 mm. Locality 175. Upper part of Gatun formation, eastern area. USNM 561339.
- 4-6. *Natica* (*Naticarius*) *stenopa* Woodring, n. sp. (p. 85).
Upper part of Gatun formation, eastern area.
- 4, 5. Type. Height 15.2 mm, diameter 14.8 mm. Locality 177*b*. USNM 561340.
6. Paratype. Height 12 mm, diameter 11 mm. Locality 177*c*. USNM 561341.
- 7, 8. *Polinices canalizonalis* (Brown and Pilsbry) (p. 89).
Locality 177*b*. Upper part of Gatun formation, eastern area. USNM 561349.
7. Height 21 mm, diameter 18.7 mm.
8. Height 11 mm, diameter 10 mm.
9. *Polinices brunneus subclausus* (Sowerby) (p. 89).
Height 20.3 mm, diameter 16.7 mm. Locality 155*b*. Middle part of Gatun formation. USNM 561350.
10. *Turbo* (*Marmarostoma*) aff. *T. castaneus* Gmelin (p. 64).
Height (not quite complete) 20.5 mm, diameter (incomplete) 18 mm. Locality 155*b*. Middle part of Gatun formation. USNM 561326.
- 11-16. *Stigmaulax guppiana* (Toula) (p. 86).
- 11, 12. Height 22.5 mm, diameter 20.8 mm. Locality 155*c*. Middle part of Gatun formation. USNM 561344.
13. Length 18.5 mm, width 10.7 mm. Locality 147*g*. Middle part of Gatun formation. USNM 561345.
14. Length 17.5 mm, width 10 mm. Locality 147*h*. Middle part of Gatun formation. USNM 561446.
15. Length 19.5 mm, width 10.9 mm. Locality 151. Middle part of Gatun formation. USNM 561347.
16. Height 33.5 mm, diameter 30.5 mm. Locality 147*b*. Middle part of Gatun formation. USNM 561342.
17. Height 30.5 mm, diameter 29 mm. Locality 177*b*. Upper part of Gatun formation, eastern area. USNM 561343.
18. Height 31.4 mm, diameter 28 mm. Locality 142. Middle part of Gatun formation. USNM 561428.

PLATE 21

FIGURE 1, 2. *Neritina (Vitta?)* cf. *N. virginea* (Linné) (p. 67).

Height (incomplete), 3.6 mm, diameter 3.6 mm. Locality 161c. Middle part of Gatun formation, middle Miocene. USNM 561330.

3, 6. *Sinum gabbi* (Brown and Pilsbry) (p. 94).

Height 23 mm, diameter 23 mm. Locality 155b. Middle part of Gatun formation, middle Miocene. USNM 561357.

4, 7, 10. *Sinum euryhedra* Woodring, n. sp. (p. 93).

Type. Height (incomplete), 11 mm, diameter (incomplete) 27 mm. Locality 137a. Lower part of Gatun formation, middle Miocene. USNM 561441.

5, 8, 9. *Neverita (Glossaulax) reclusiana xena* Woodring, n. subsp. (p. 92).

Lower part of Gatun formation, middle Miocene.

5, 9. Type. Height 25 mm, diameter 27 mm. Locality 137. USNM 561355.

8. Large high-spined specimen. Height 34 mm, diameter (incomplete) 35 mm. Locality 137a. USNM 561440.

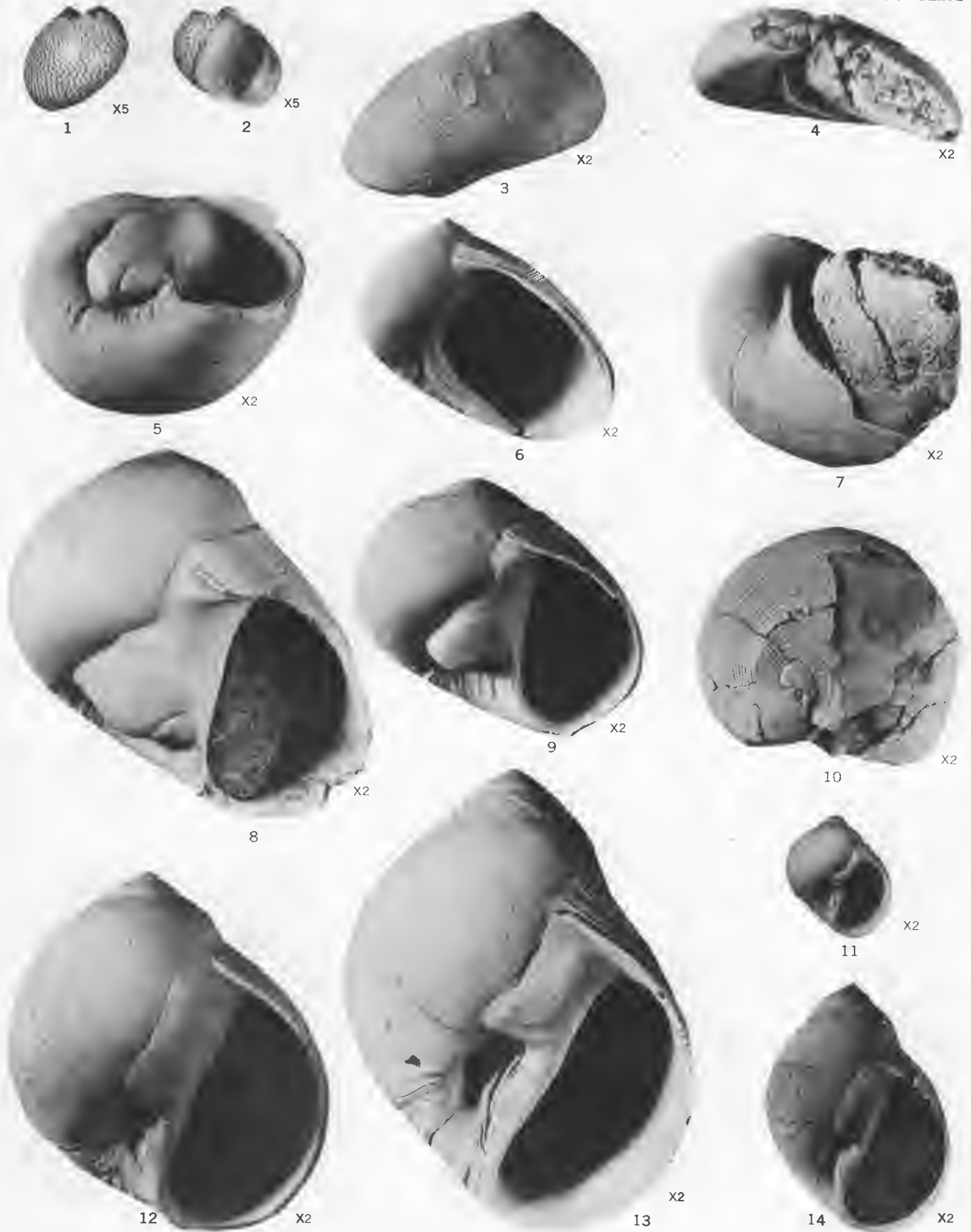
11-14. *Polinices stanislas-meunieri* Maury (p. 90).

11. Small specimen. Height 11.5 mm, diameter 10 mm. Locality 138. Lower part of Gatun formation, middle Miocene. USNM 561353.

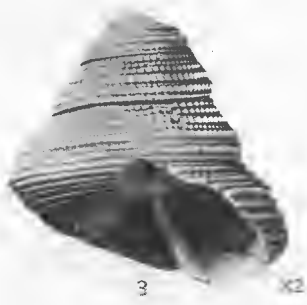
12. Inflated specimen. Height 32.5 mm, diameter 28 mm. Locality 182. Upper part of Gatun formation, western area, late Miocene. USNM 561351.

13. Large slender specimen. Height 43.5 mm, diameter 33 mm. Locality 138a. Lower part of Gatun formation, middle Miocene. USNM 561439.

14. Slender specimen. Height 22.5 mm, diameter 16.5 mm. Locality 136. Lower part of Gatun formation, middle Miocene. USNM 561352.



MIDDLE AND LATE MIOCENE MOLLUSKS FROM GATUN FORMATION



MIDDLE AND LATE MIOCENE MOLLUSKS FROM GATUN FORMATION

PLATE 22

FIGURE 1, 2, 4. *Xenophora delceta* (Guppy) (p. 77).

Height 25 mm, diameter (incomplete) 46 mm. Locality 173. Upper part of Gatun formation, eastern area, middle Miocene. USNM 561434.

3, 5. *Calliostoma (Leiotrochus) eremum* Woodring, n. sp. (p. 63).

Type. Height (incomplete) 17.5 mm, diameter 19 mm. Locality 155c. Middle part of Gatun formation, middle Miocene. USNM 561311.

6-9. *Turritella mimetes* Brown and Pilsbry (p. 110).

6. Height (incomplete) 73 mm, diameter 17.5 mm. Locality 155b. Middle part of Gatun formation, middle Miocene. USNM 561396.

7. Height (incomplete) 56 mm, diameter 15.3 mm. Locality 185. Upper part of Gatun formation, western area, late Miocene. USNM 561397.

8. Height (incomplete) 45 mm, diameter 18 mm. Locality 155a. Middle part of Gatun formation, middle Miocene. USNM 561398.

9. Height (incomplete) 7 mm, diameter 2.4 mm. Locality 161. Middle part of Gatun formation, middle Miocene. USNM 561399.

10. *Turritella bifastigiata* Nelson (p. 111).

Height (not quite complete) 66 mm, diameter 18.5 mm. Locality 137. Lower part of Gatun formation, middle Miocene. USNM 561400.

11, 12. *Turritella matarucana* Hodson (p. 107).

Lower part of Gatun formation, middle Miocene.

11. Height (incomplete) 23 mm, diameter 7.5 mm. Locality 136. USNM 561391.

12. Height (incomplete) 44.5 mm, diameter 16 mm. Locality 137. USNM 561390.

PLATE 23

FIGURE 1, 7, 12, 13. *Turritella (Torcula) altilira altilira* Conrad (p. 102).

Middle part of Gatun formation.

1. Height (incomplete) 7.6 mm, diameter 1.2 mm. Locality 147*b*. USNM 561381.
7. Topotype. Height (incomplete) 43.5 mm, diameter 17.5 mm. Locality 150*a*. USNM 561378.
12. Height (incomplete) 73 mm, diameter 13 mm. Locality 155*b*. USNM 561379.
13. Height (incomplete) 63 mm, diameter 19 mm. Locality 159. USNM 561380.

2, 8. *Turritella (Torcula) altilira praececellens* Pilsbry and Brown (p. 105).

Locality 138. Lower part of Gatun formation. USNM 561383.

2. Height (incomplete) 30.5 mm, diameter 13 mm.
8. Height (incomplete) 42 mm, diameter 12.5 mm.

3. *Rissoina (Phosinella) oncera* Woodring, n. sp. (p. 77).

Type. Height 4.3 mm, diameter 1.7 mm. Locality 177*c*. Upper part of Gatun formation, eastern area. USNM 561332.

4, 5, 9, 14. *Turritella gatunensis gatunensis* Conrad (p. 108).

4, 9. Locality 159. Middle part of Gatun formation. USNM 561392. 4, Height (incomplete) 31.4 mm, diameter 9 mm. 9, Height (incomplete) 42.5 mm, diameter 15.2 mm.

5. Height (incomplete) 7.3 mm, diameter 2.5 mm. Locality 138. Lower part of Gatun formation. USNM 561394

14. Height (almost complete) 58.5 mm, diameter 15 mm. Locality 138. Lower part of Gatun formation. USNM 561393.

6, 15, 16. *Turritella abrupta* Spicker (p. 106).

Middle part of Gatun formation.

6. Height (incomplete) 8 mm, diameter 3.6 mm. Locality 161*d*. USNM 561388.

15. Height 1.8 mm, diameter 1 mm. Locality 170*a*. USNM 561389.

16. Height (incomplete) 39 mm, diameter 23 mm. Locality 144*a*. USNM 561387.

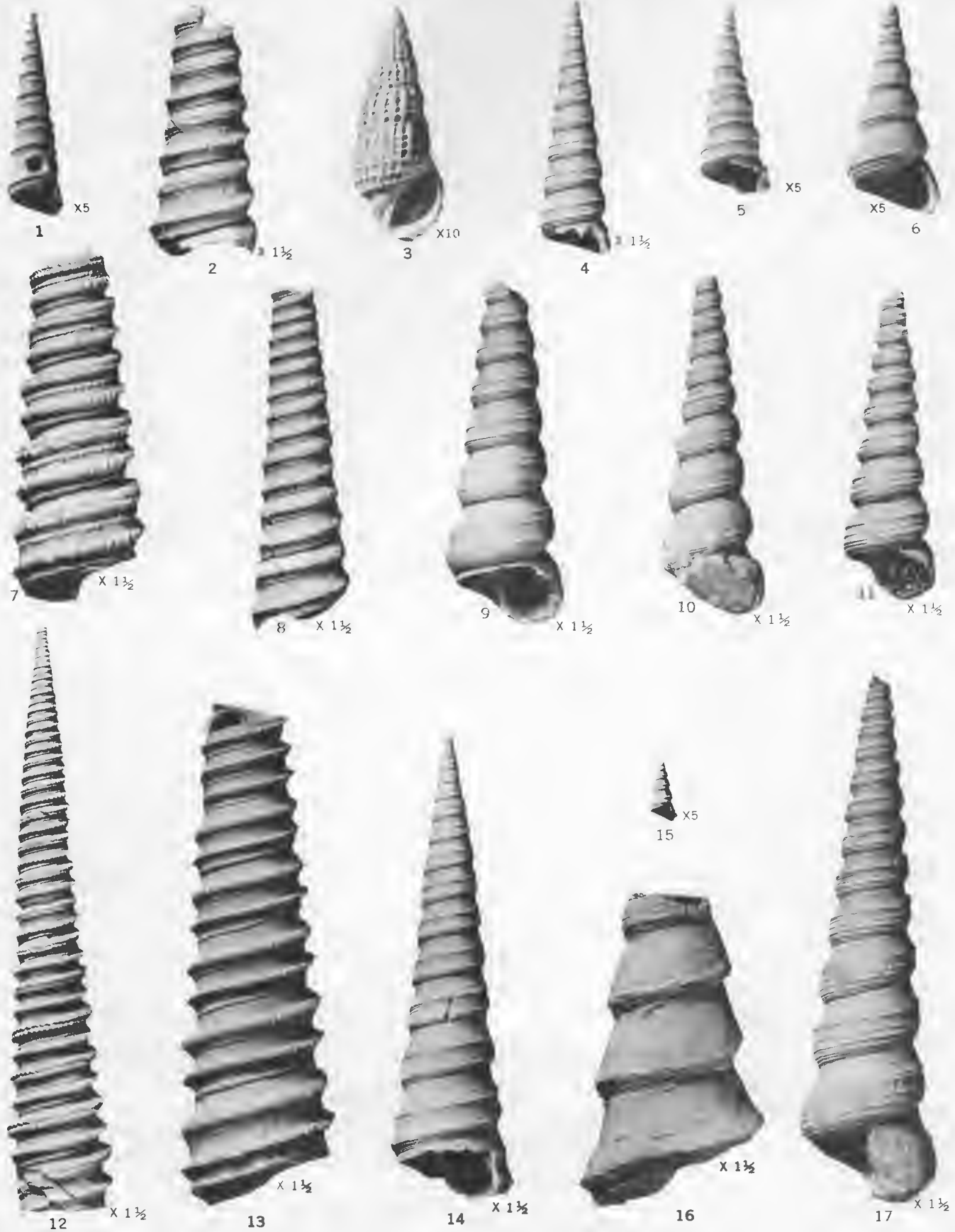
10, 11, 17. *Turritella gatunensis rhytodes* Woodring, n. subsp. (p. 109).

Locality 162*a*. Middle part of Gatun formation.

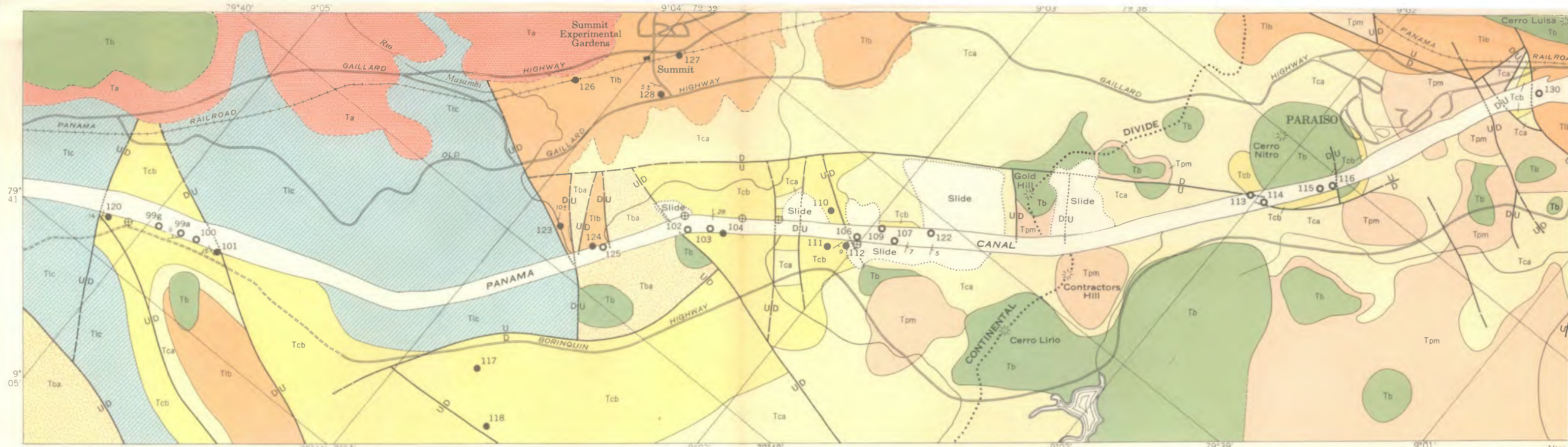
10. Height (incomplete) 41.7 mm, diameter 13 mm. USNM 561429.

11. Height (incomplete) 38.7 mm, diameter 11.8 mm. USNM 561429.

17. Type. Height (incomplete) 66 mm, diameter 16.5 mm. USNM 561395.



MIDDLE MIOCENE MOLLUSKS FROM GATUN FORMATION



Interior—Geological Survey, Washington, D. C.
M. H. GIBBS
After Adapted

EXPLANATION
EXPLICACION

<p style="text-align: center;">SEDIMENTARY ROCKS ROCAS SEDIMENTARIAS</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Tib</p> <p>La Boca marine member of Panamá formation <i>Miembro marino La Boca de la formación Panamá</i></p> </div> <div style="text-align: center;"> <p>Tpm</p> <p>Pedro Miguel agglomerate member of Panamá formation <i>Miembro Aglomerado de Pedro Miguel de la formación Panamá</i></p> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> <p>Tca</p> <p>Cucaracha formation <i>Formación Cucaracha</i></p> </div> <div style="text-align: center;"> <p>Tcb</p> <p>Culebra formation including Emperador limestone member <i>Formación Culebra, incluyendo el miembro Caliza de Emperador</i></p> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> <p>Tlc</p> <p>Las Cascadas agglomerate <i>Formación Aglomerado de Las Cascadas</i></p> </div> <div style="text-align: center;"> <p>Tba</p> <p>Bas Obispo formation <i>Formación Bas Obispo</i></p> </div> </div>	<p style="text-align: center;">INTRUSIVE AND VOLCANIC ROCKS ROCAS INTRUSIVAS Y VOLCANICAS</p> <div style="text-align: center; margin-bottom: 10px;"> <p>Ta</p> <p>Intrusive and extrusive andesite <i>Andesita intrusiva y extrusiva</i></p> </div> <div style="text-align: center; margin-bottom: 10px;"> <p>Tb</p> <p>Intrusive and extrusive basalt <i>Basalto intrusivo y extrusivo</i></p> </div> <div style="text-align: center; margin-bottom: 10px;"> <p>U D</p> <p>Fault (Dashed where location is uncertain; dotted where concealed. D, downthrown side; U, upthrown side)</p> </div> <div style="text-align: center;"> <p>Falla (Con línea interrumpida donde no está localizado con precisión; con puntos donde está escondido. D, parte hundida; U, parte levantada)</p> </div>	
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Lower Miocene <i>Mioceno inferior</i></p> <p style="writing-mode: vertical-rl; transform: rotate(180deg);">Oligocene(?) <i>Oligoceno(?)</i></p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">TERTIARIO TERTIARIO</p> <p style="writing-mode: vertical-rl; transform: rotate(180deg);">Oligocene to lower Miocene <i>Oligoceno a Mioceno inferior</i></p>	<p style="text-align: center;">7</p> <p style="text-align: center;">Strike and dip of beds <i>Dirección y buzamiento de los estratos</i></p> <p style="text-align: center;">⊕</p> <p style="text-align: center;">Horizontal beds <i>Estratos horizontales</i></p> <p style="text-align: center;">● 112</p> <p style="text-align: center;">Locality at which fossils were collected <i>Localidad fosilífera</i></p> <p style="text-align: center;">○ 109</p> <p style="text-align: center;">Submerged locality at which fossils were collected <i>Localidad fosilífera inundada</i></p> <div style="text-align: center; margin-top: 10px;"> <p>N S</p> </div>

GEOLOGIC MAP OF GAILLARD CUT AREA, CANAL ZONE
MAPA GEOLOGICO DE LA AREA GAILLARD CUT, ZONA DEL CANAL
Scale 1:25,000

