

Plates 1–90

PLATE 1

Cardiaster palmeri Sánchez Roig

- 1-3. Dorsal, ventral and right side views of the lectotype, SRC 4024, Late Cretaceous, "Cantabria" farm, Agua district, Cienfuegos, Santa Clara (now Las Villas) Province, Cuba, $\times 1.5$.

Echinocorys ovatus Leske *cubensis* Sánchez Roig

- 4-6. Dorsal, ventral, and right side views of the holotype, SRC 4069, Late Cretaceous, Palenque, near Cienfuegos, Santa Clara (now Las Villas) Province, Cuba, $\times 1$.

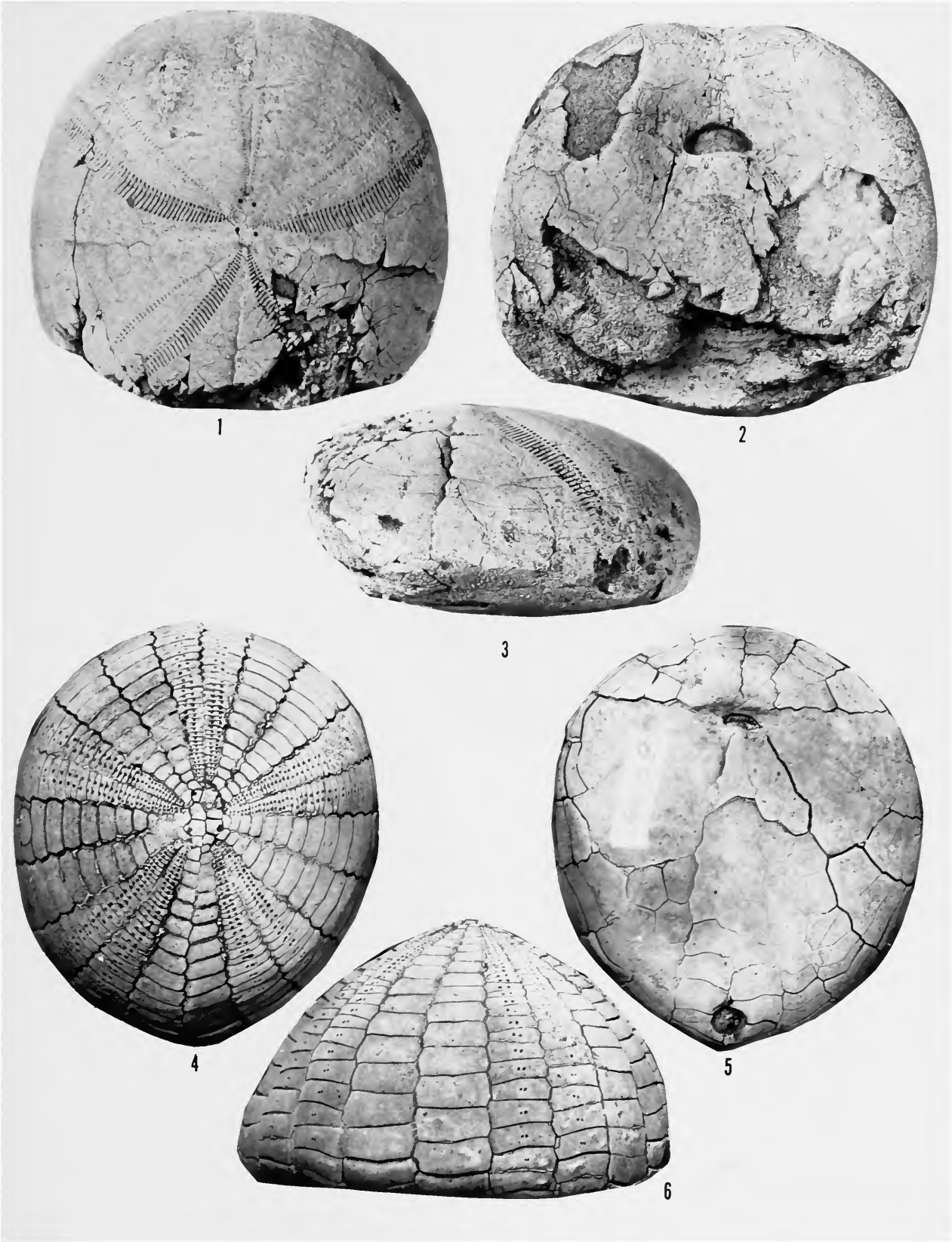


PLATE 2

Echinocorys ovatus Leske *villarensis* Sánchez Roig

- 1-4. Dorsal, ventral, rear, and right side of the holotype, SRC 4174, Late Cretaceous, Sancti Spiritus, near Ciudad, Santa Clara (now las Villas) Province, Cuba, \times 1.4.
5. Apical system of same specimen, \times 4.



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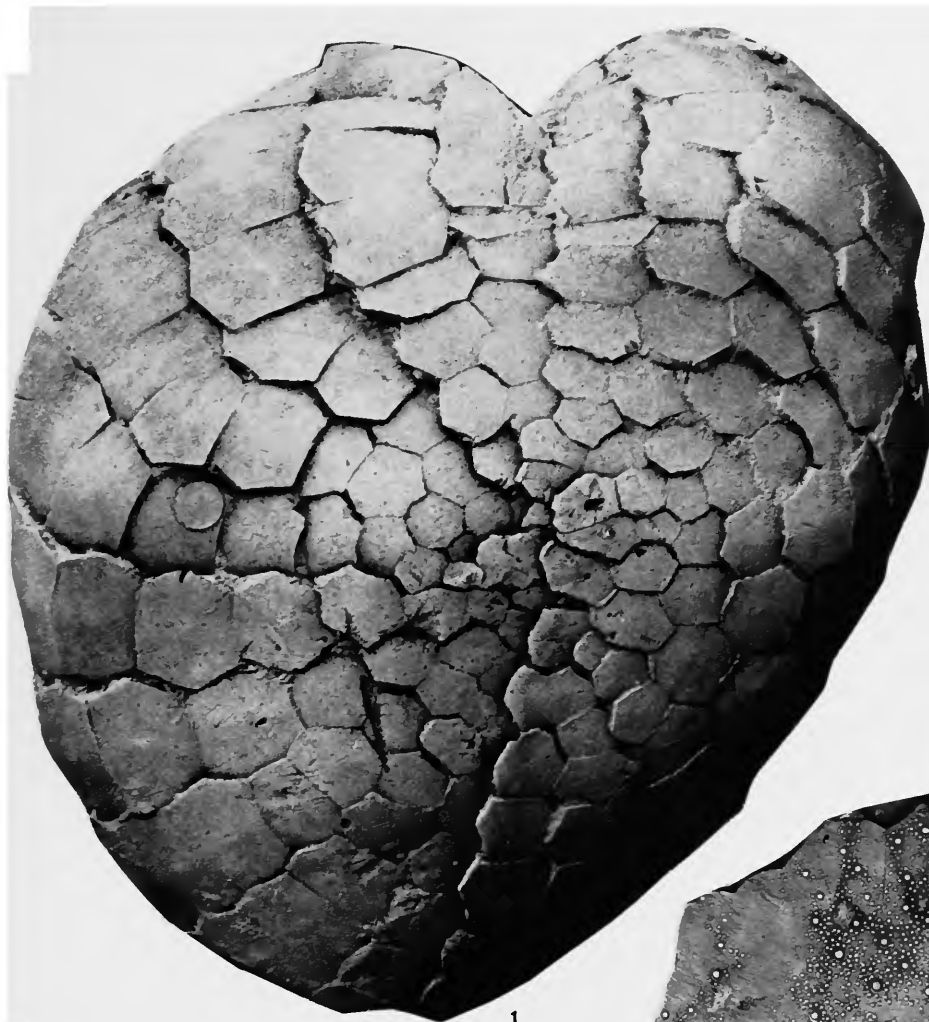
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PLATE 3*Sanchezaster habanensis* Lambert

1. Dorsal view of holotype, SRC 4958, Eocene, quarries of Tejar "Consuelo," Ciénaga, Habana Province, Cuba, $\times 1$.
2. Tuberculation on plates in apical region of paratype, USNM 341248, same locality as above, $\times 3$.
3. Plates in ambulacrum V near the periproct on dorsal side, USNM 341248, same locality as above, $\times 3$.
4. Ventral ambulacral plates, USNM 341248, same locality as above, $\times 3$.



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PLATE 4

Sanchezaster habanensis Lambert

- 1, 2. Dorsal and ventral views of paratype, USNM 341249, Eocene, quarries of Tejar
"Consuelo" Ciénaga, Habana Province, Cuba, $\times 1$.

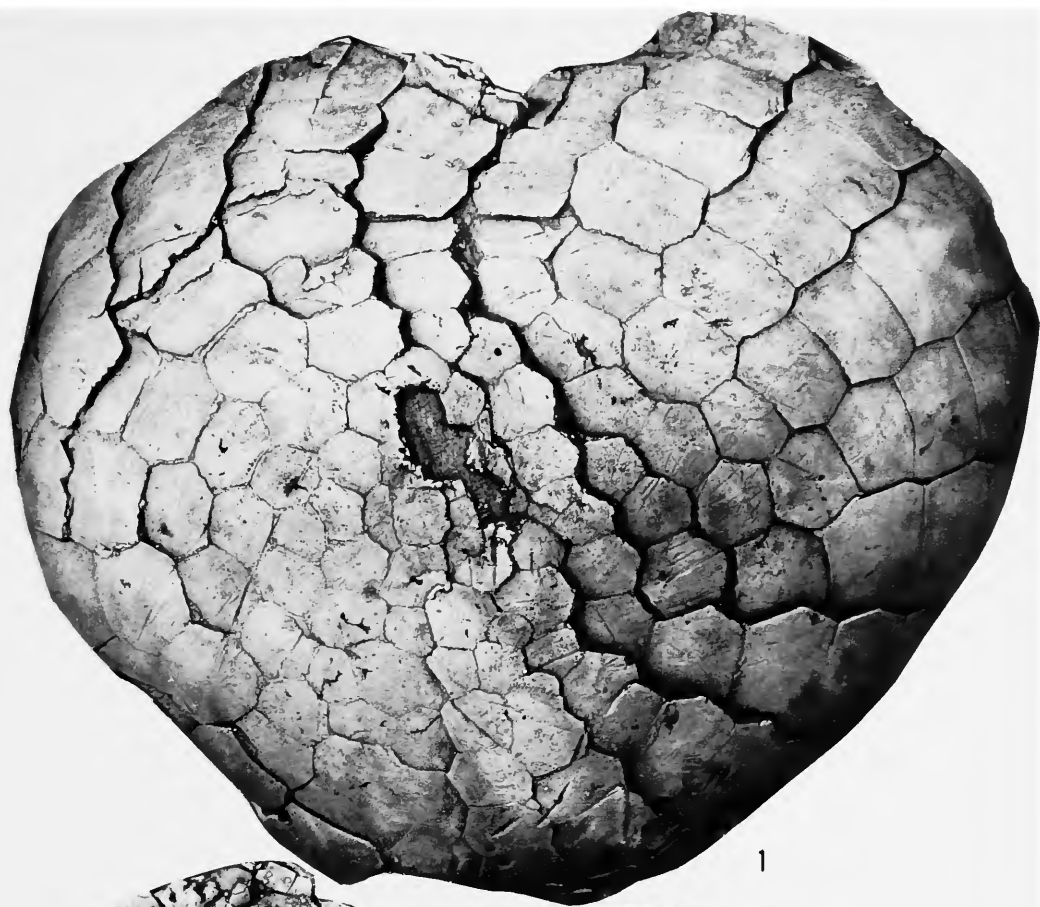


PLATE 5

Sanchezaster habanensis Lambert

- 1, 2. Dorsal and ventral views of paratype, MCZ 3510, Eocene, quarries of Tejar "Consuelo," Cienaga, Habana Province, Cuba, $\times 1$.

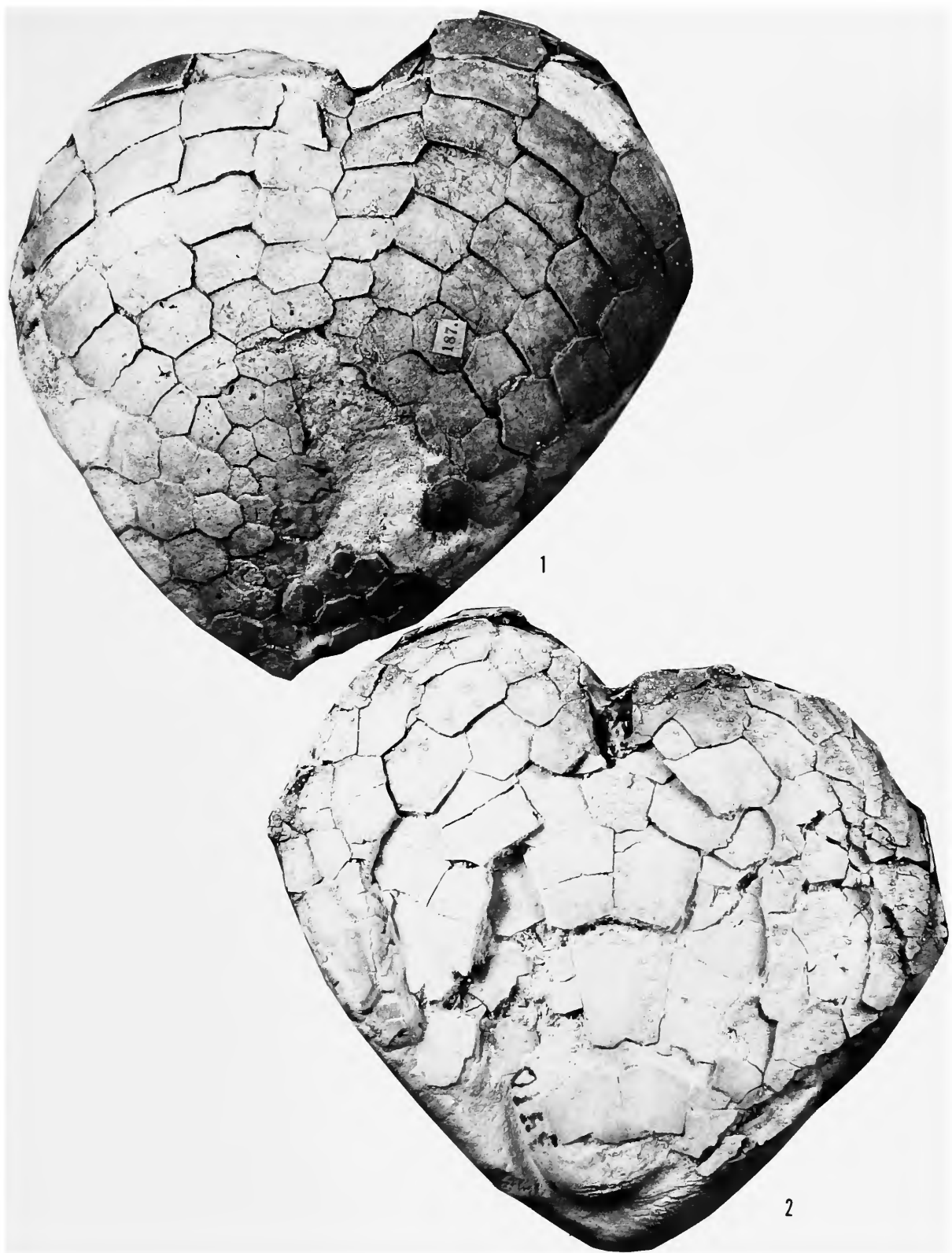


PLATE 6*Douvillaster triangularis* (Sánchez Roig)

- 1-3. Dorsal, right side, and ventral views of the holotype, SRC 4722, Cretaceous, Palmer loc. 128, silicified marine sediments, one league S of Santa Clara, Santa Clara (now Las Villas) Province, Cuba, $\times 1$.
4. Portion of ambulacrum III on dorsal side of same specimen, $\times 6$.
5. Portion of petal V of same specimen, $\times 6$.

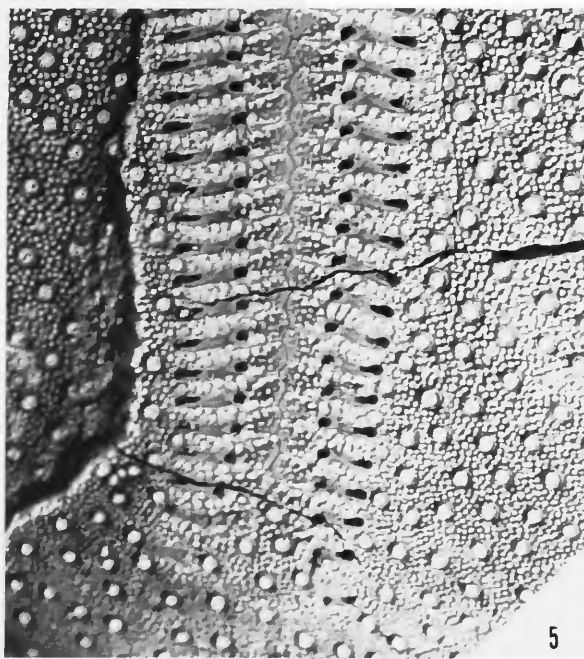
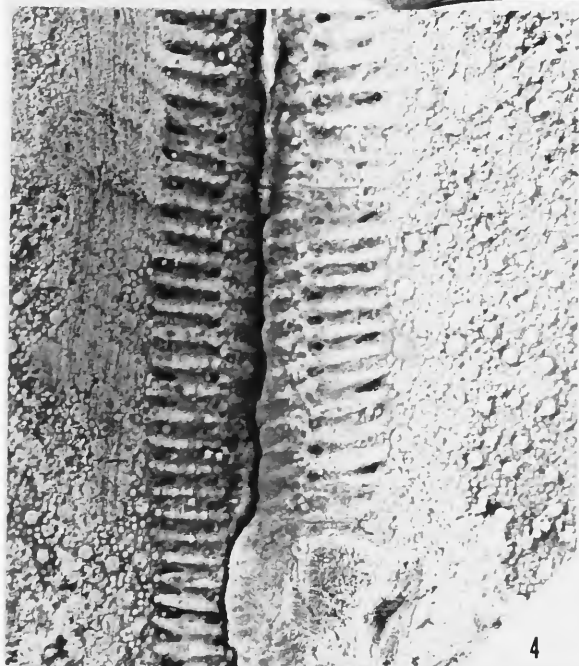


PLATE 7

Hemiaster? (*Trachyaster*) *gonzalezmunozii* Sánchez Roig

- 1–3. Dorsal, right side, ventral views of the holotype, SRC 4248, Late Cretaceous, “Concepción de Montalvo” farm, Rodas, Las Villas Province, Cuba, $\times 1$.

Hemiaster (*Trachyaster*) *herrerae* (Lambert and Sánchez Roig)

- 4–7. Dorsal, right side, rear, and front views of the holotype, SRC 4857, Cretaceous?, Jesús del Monte, Tamarindo, Habana Province, Cuba, $\times 1.5$.
8. Ambulacrum III of the holotype, $\times 6$.

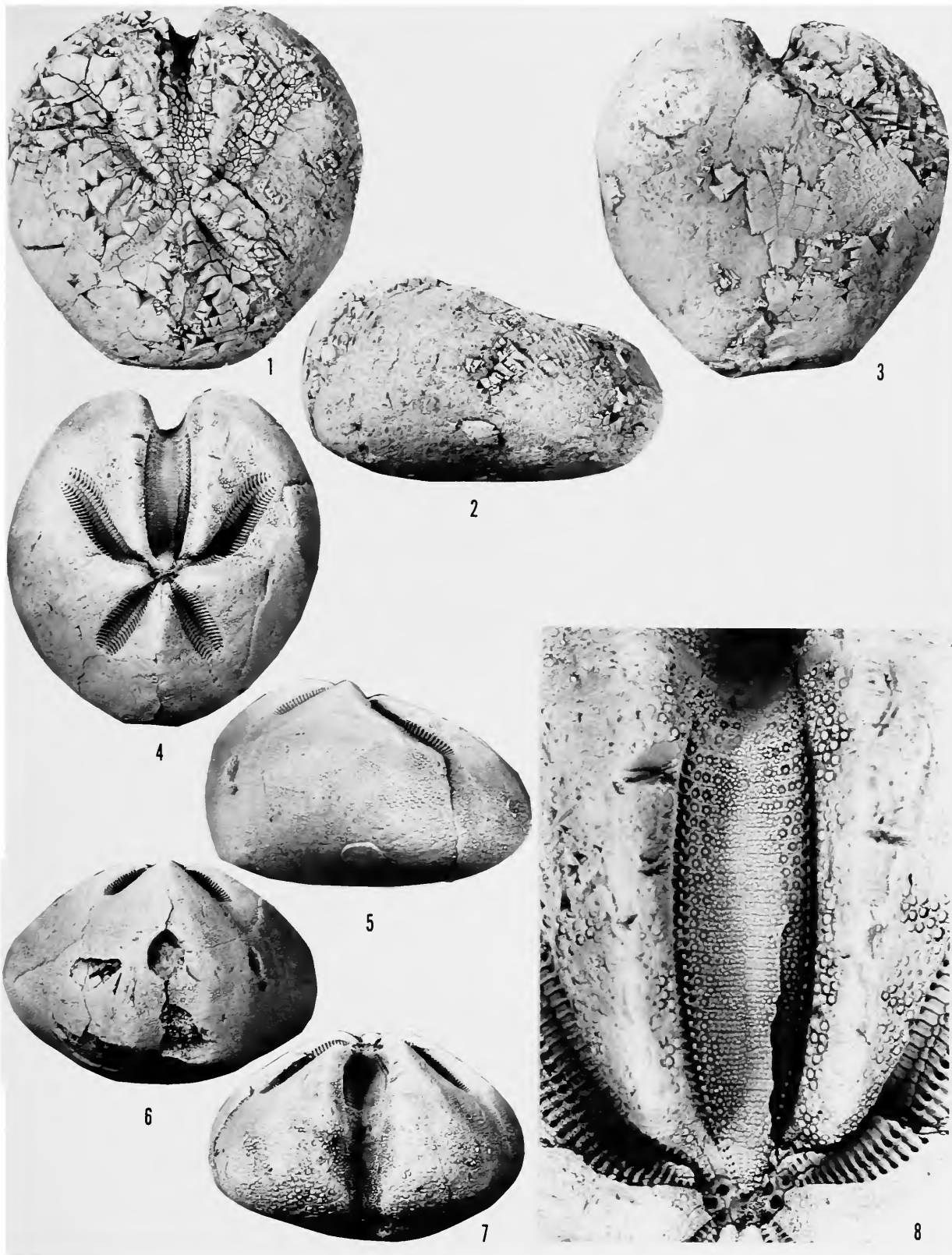


PLATE 8

Hemiaster (Trachyaster) herrerae (Lambert and Sánchez Roig)

1. Apical system of the holotype, SRC 4857, Cretaceous?, Jesús del Monte, Tamarindo, Habana Province, Cuba, $\times 15$. (See also Plate 7.)

Hemiaster (Hemiaster) madrugensis Weisbord

- 2–4. Dorsal, right side, and ventral views of the holotype PRI 3804, Late Cretaceous, on the property of Central San Antonio, 150 m NW of the sugar cane loading rack at Esperanza switch, 10 km E of the mill and town of Madruga, near the eastern boundary of Habana Province, Cuba, $\times 2$.

Hemiaster (Hemiaster) siboneyensis Weisbord

- 5–7. Dorsal, right side, and ventral views of holotype, PRI 3805, Late Cretaceous, same locality as figures 2–4 above, $\times 2.5$.



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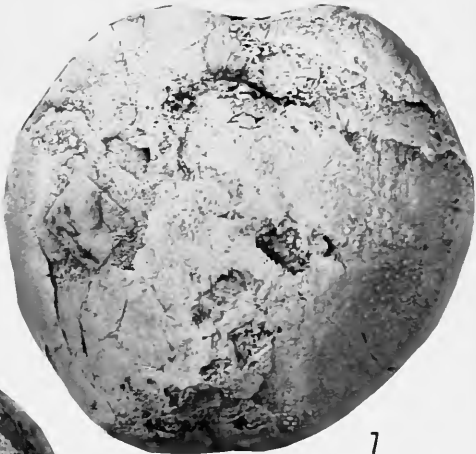
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PLATE 9

Pericosmus aguayoi (Sánchez Roig)

- 1–3. Dorsal, ventral, and right side views of the holotype of *Pericosmus giganteus* Sánchez Roig (= *P. aguayoi*), SRC 4130, Oligocene-Miocene, “Pedro Hernandez” farm, Tamarindo, Morón, Camagüey Province, Cuba, $\times 1$.

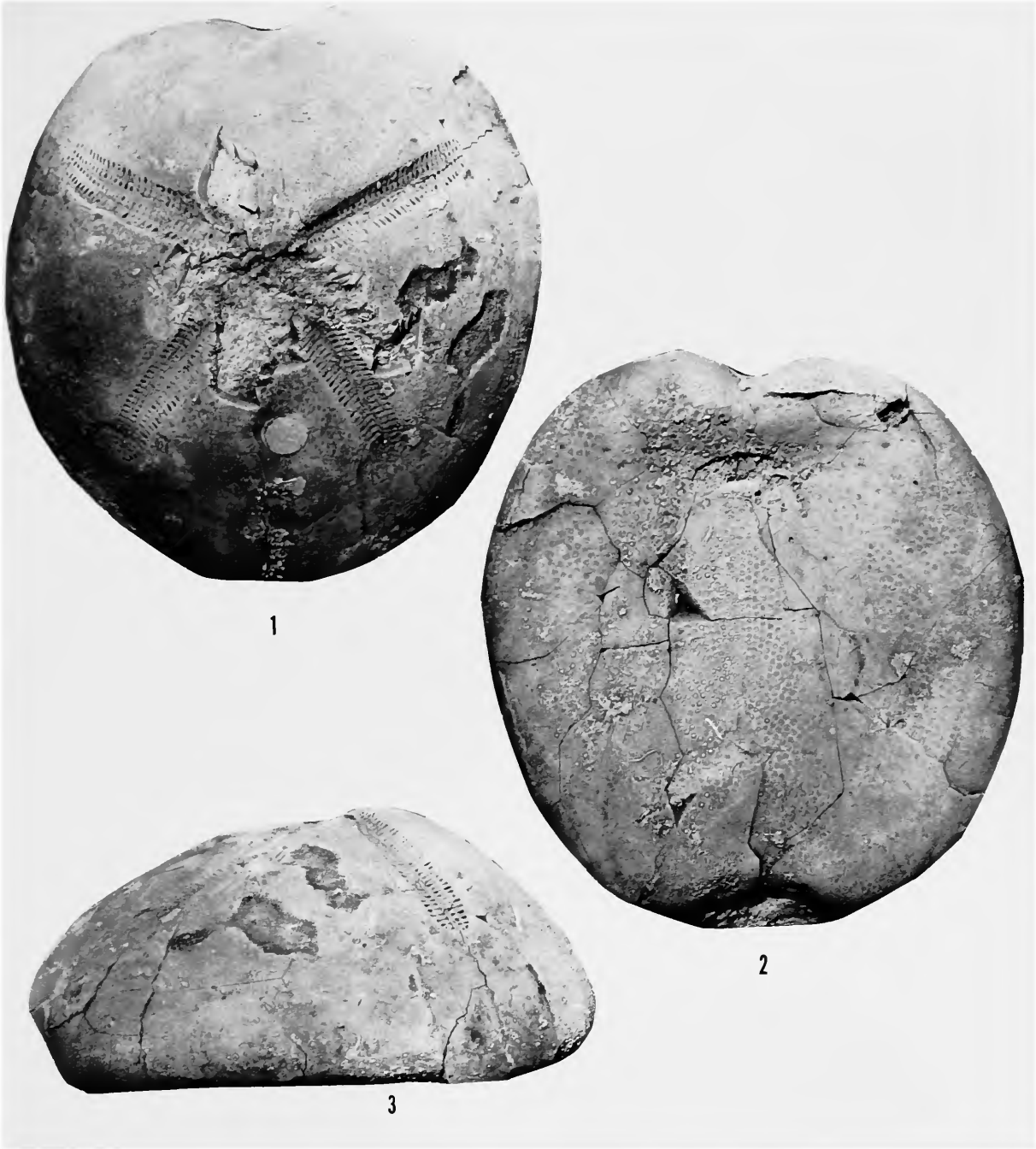


PLATE 10

Pericosmus aguayoi (Sánchez Roig)

- 1–4. Dorsal, ventral, right side, and rear views of the holotype, SRC 4268, Oligocene-Miocene, “Santa Ana” farm, Majagua district, Ciego de Avila, Camagüey Province, Cuba, $\times 1$.
- 5, 6. Dorsal and right side views of holotype of *Mauritanaster depressus* Sánchez Roig (= *P. aguayoi*), SRC 4139, Oligocene-Miocene, “Santa Ana” farm, Majagua district, Ciego de Avila, Camagüey Province, Cuba, $\times 1$.

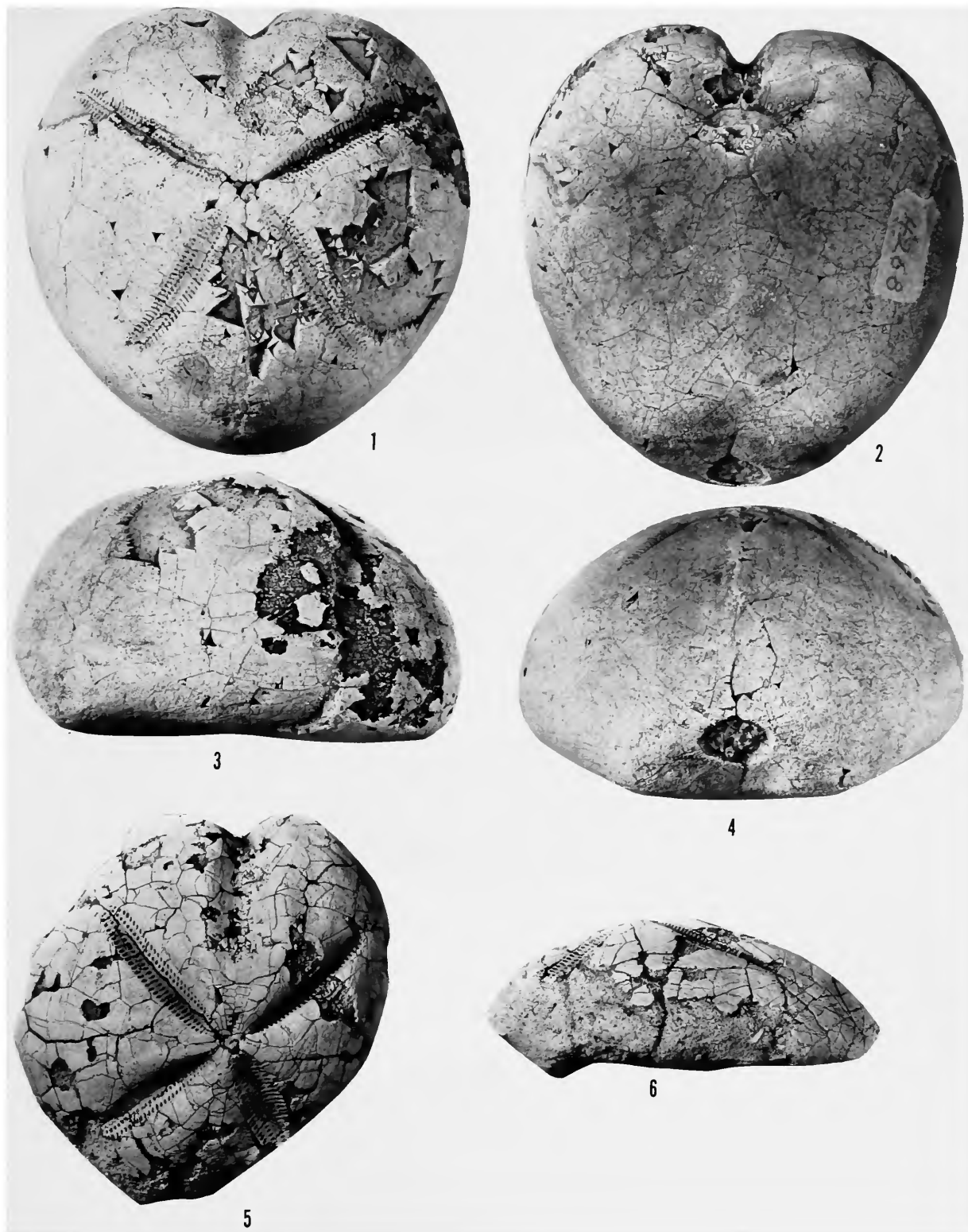


PLATE 11

Pericosmus aguayoi (Sánchez Roig)

- 1-3. Dorsal, left side, and ventral views of holotype of *Mauritanaster marroquinensis* Sánchez Roig (= *P. aguayoi*), SRC 4357, Oligocene-Miocene, "Blanquizal" farm of the estate of Campanioni, Marroquín district, Morón, Camagüey Province, Cuba, × 1.
- 4-6. Dorsal, right side, and ventral views of lectotype of *Pericosmus valenzuelai* Sánchez Roig (= *P. aguayoi*), SRC 4021, Miocene, "Sunset" farm (formerly "Gerona") on highway between Cayajabos and Artemisa, Pinar del Río Province, Cuba, × 1.

Pericosmus atolladosae (Sánchez Roig)

- 7-9. Dorsal, right side, and ventral views of the holotype, SRC 4190, Eocene, "Atolladosa" farm, Majagua district, Ciego de Avila, Camagüey Province, Cuba, × 1.

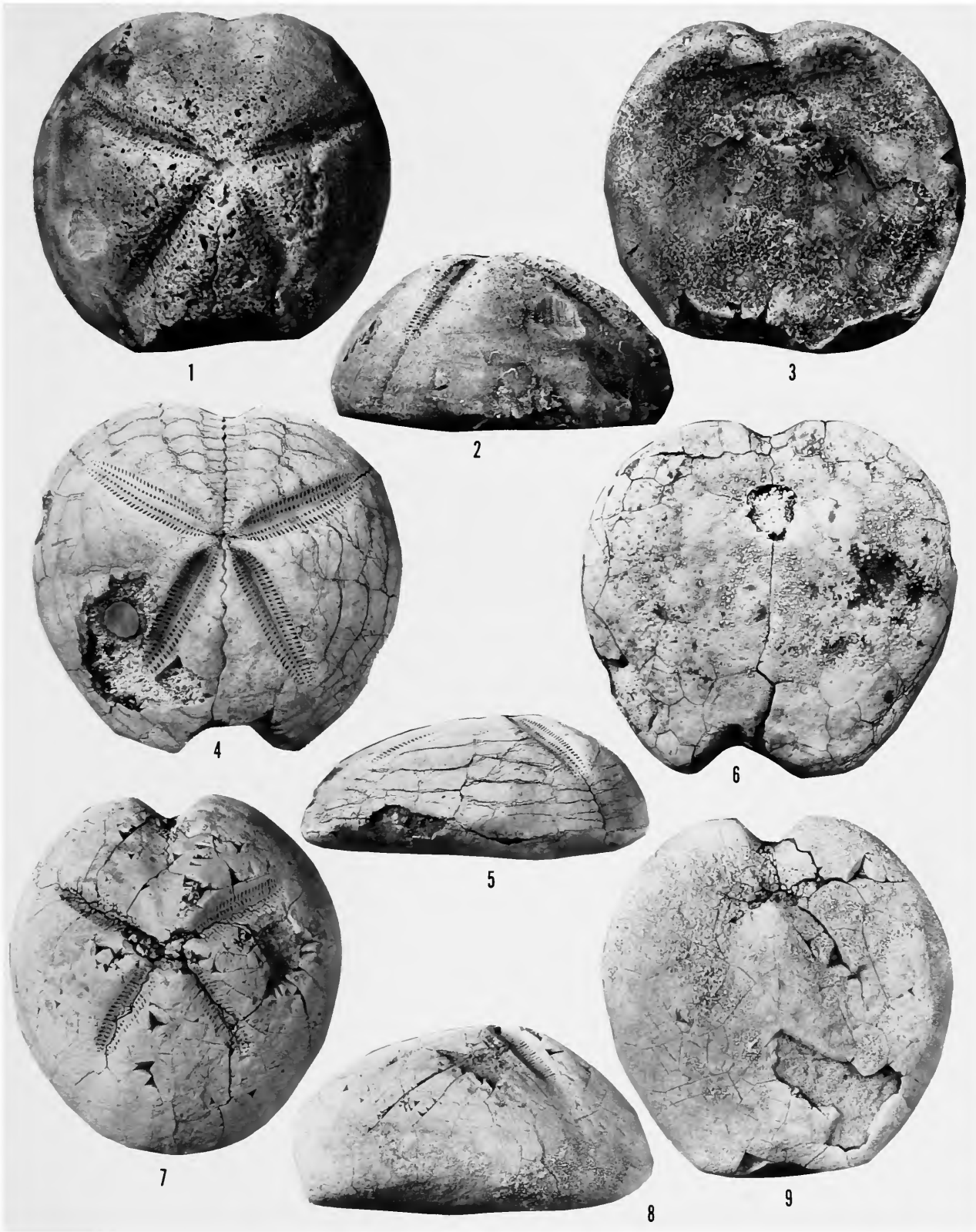


PLATE 12

Pericosmus atolladosae (Sánchez Roig)

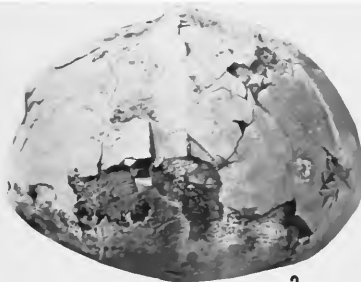
- 1–4. Dorsal, rear, right side, and ventral views of the holotype of *Pericosmus rojasi* Sánchez Roig (= *P. atolladosae*), SRC 4300, Eocene, “Atolladosa” farm, Majagua district, Ciego de Avila, Camagüey Province, Cuba, $\times 1$.
- 5–8. Dorsal, right side, rear, and ventral views of the lectotype of *Pericosmus zanoletti* Sánchez Roig (= *P. atolladosae*), SRC 4239, late Eocene, Loma “Los Constantinos,” “La Ventura” farm, Marroquín district, Morón, Camagüey Province, Cuba, $\times 1$.

Pericosmus blanquizalensis Sánchez Roig

- 9–11. Dorsal, right side, and ventral views of the holotype, SRC 4106, Oligocene-Miocene, “Blanquizal” farm, Tamarindo district, Morón, Camagüey Province, Cuba $\times 1$.



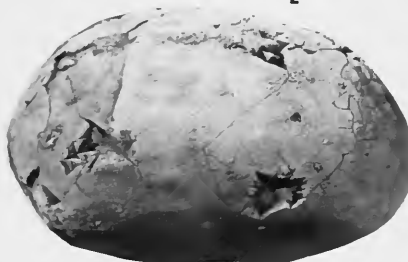
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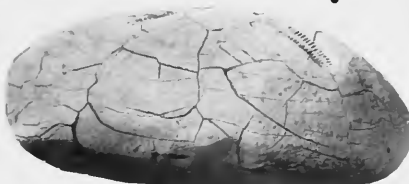
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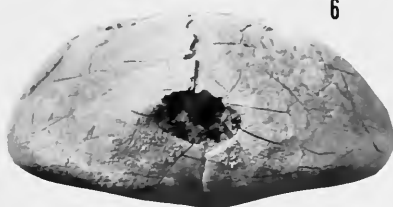
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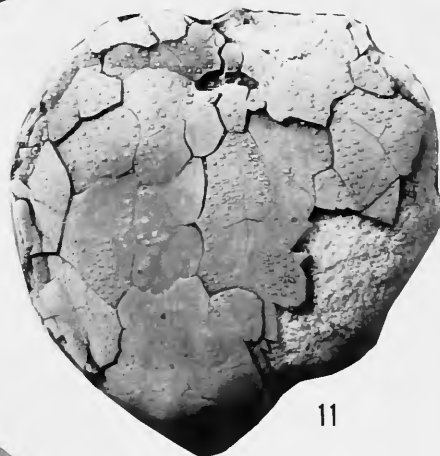
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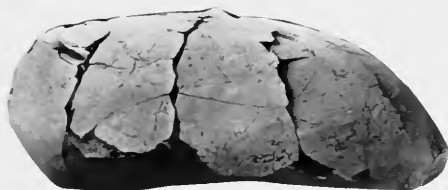
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PLATE 13

Pericosmus camagueyanus Sánchez Roig

- 1–4. Dorsal, rear, ventral, and right side views of lectotype, SRC 4202, Oligocene-Miocene, 12 km NE of Jatibonico, Camagüey Province, Cuba, $\times 1$.

Pericosmus mortenseni (Sánchez Roig)

- 5–7. Dorsal, right side, and ventral views of the holotype, SRC 4185, Oligocene-Miocene, “Blanquizal” farm, Tamarindo, Morón, Camagüey Province, Cuba, $\times 1$.

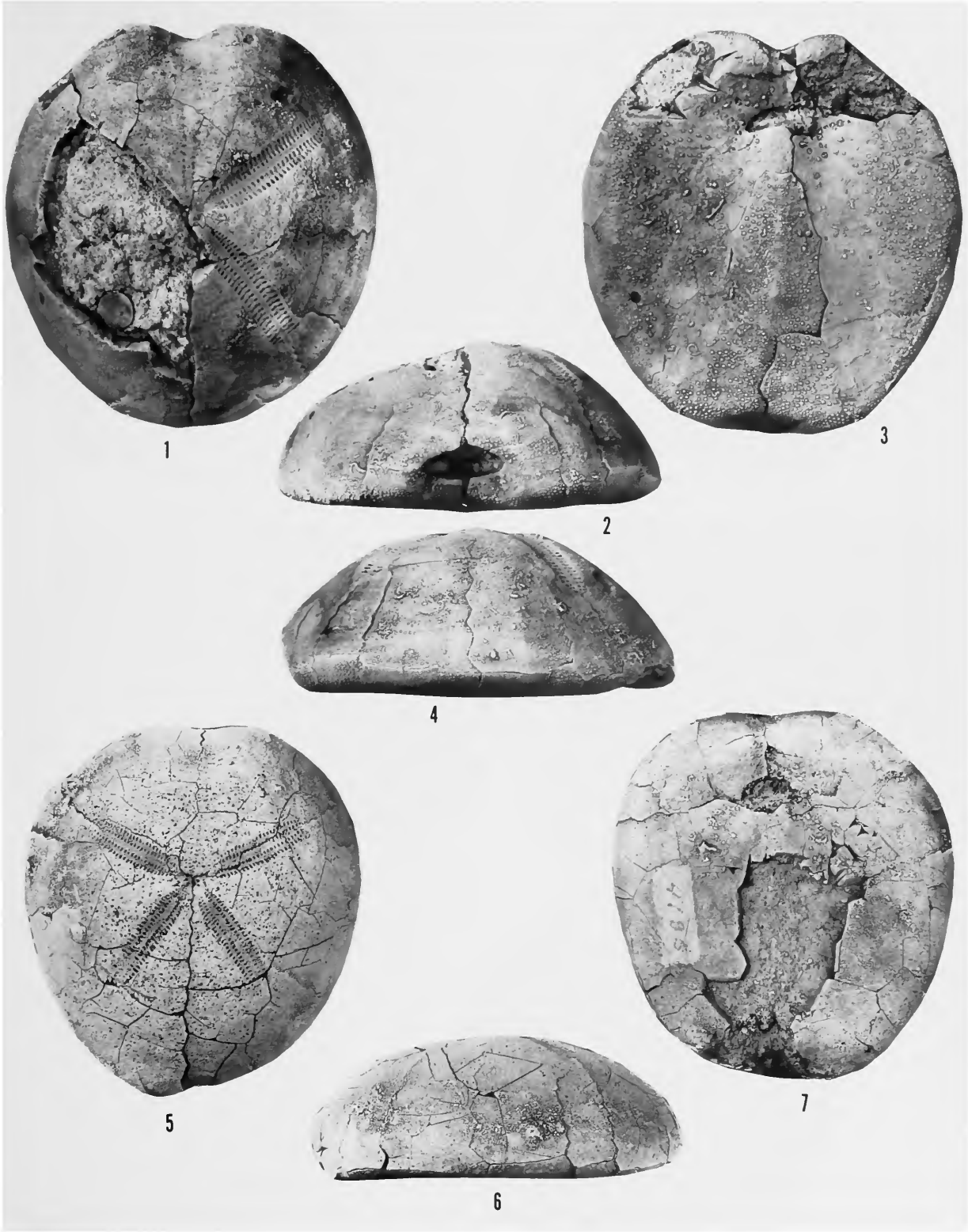
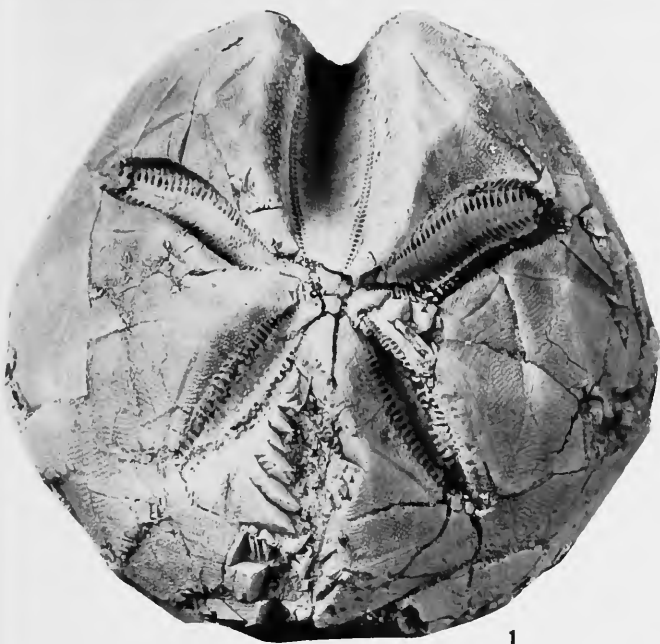


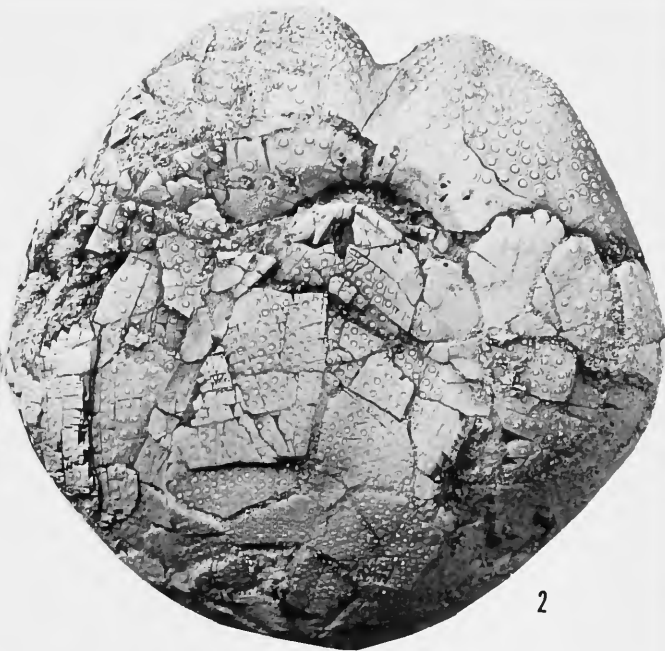
PLATE 14

Schizaster bathypetalus Arnold and Clark

- 1-3. Dorsal, ventral, and right side views of a topotype of *Schizaster pentagonalis* Sánchez Roig (= *S. bathypetalus*), SRC 4762, middle Eocene, Loma Caoba, San Diego de los Baños, Pinar del Rio Province, Cuba, $\times 1$.
4. Peripodium in phyllode of ambulacrum III of same specimen, $\times 22$.
5. Peripodia in ambulacrum III on dorsal side of same specimen, $\times 10$.
6. Dorsal view of lectotype of *Schizaster gigas* Sánchez Roig (= *S. bathypetalus*), SRC 4946, middle Eocene, Loma Caoba, San Diego de los Baños, Pinar del Rio Province, Cuba, $\times 1$.



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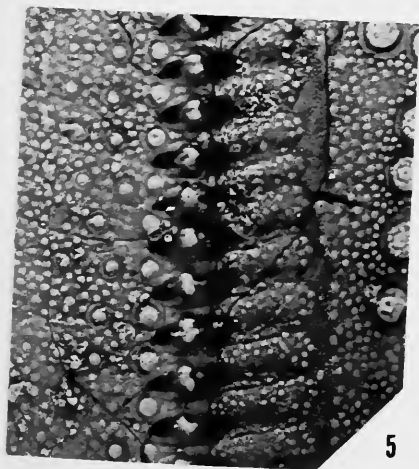
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PLATE 15

Schizaster bathypetalus Arnold and Clark

1. Dorsal view of a paratype, MCZ 3442, Eocene, in the Spring Mount Region, S and W towards Seven Rivers, St. James Parish, Jamaica, $\times 1$.
2. Dorsal view of the holotype, MCZ 3294, Eocene, same locality as above, $\times 1$.
3. Dorsal view of *Schizaster gigas* Sánchez Roig (= *S. bathypetalus*) USNM 341250, middle to late Eocene, Loma Caoba, San Diego de los Baños, Pinar del Rio Province, Cuba, $\times 1$.
4. Rear view of *Schizaster gigas* Sánchez Roig (= *S. bathypetalus*), ANSP 16653, Eocene, Loma Caoba, San Diego de los Baños, Pinar del Rio Province, Cuba, $\times 1$.
- 5-7. Dorsal, ventral, and right side views of *Schizaster gigas* Sánchez Roig (= *S. bathypetalus*), SRC 5001, middle to late Eocene, Loma Caoba, San Diego de los Baños, Pinar del Rio Province, Cuba, $\times 1$.

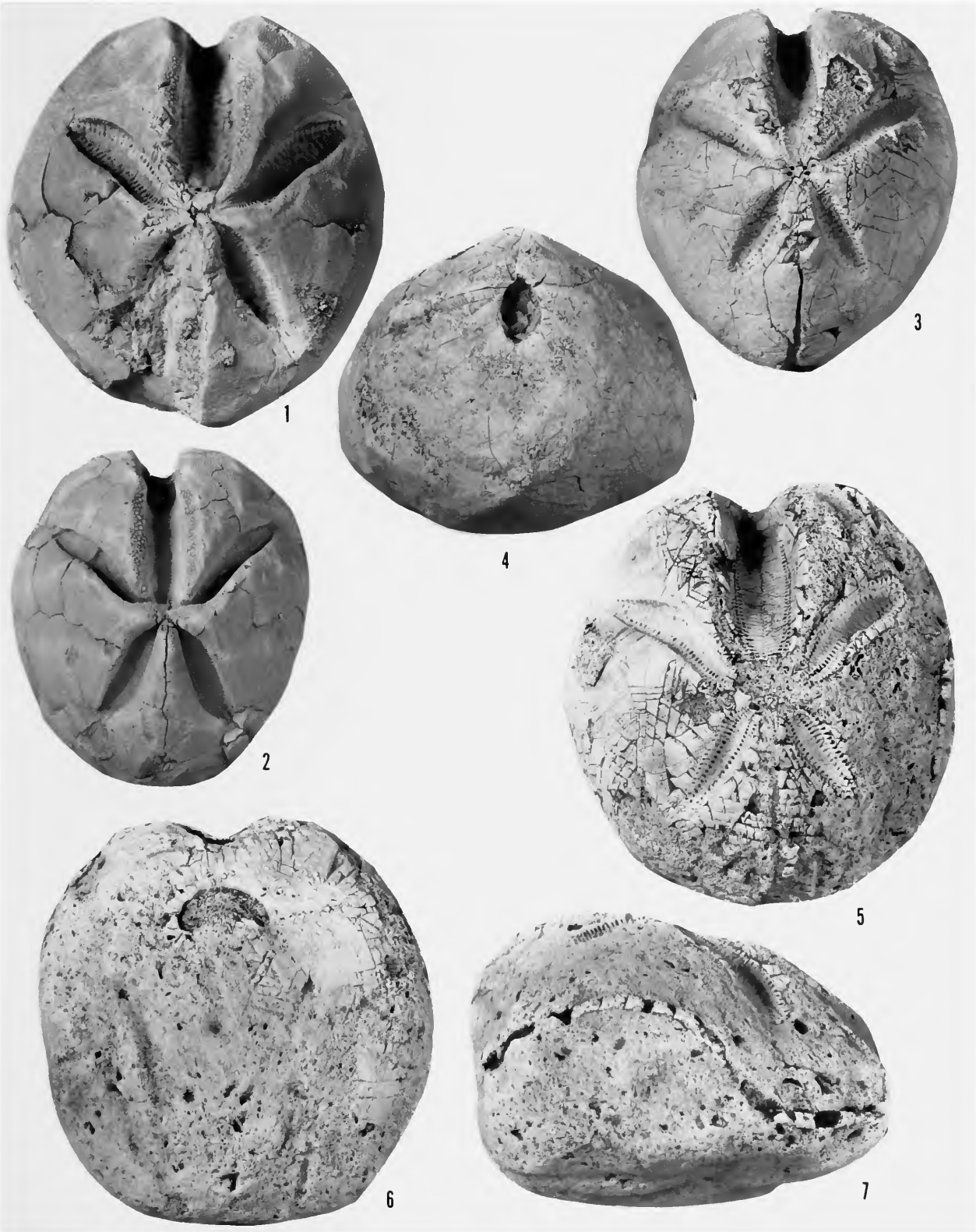


PLATE 16

Schizaster camagueyensis (Weisbord)

- 1-3. Dorsal, right side, and ventral views of the holotype, PRI 3831, late Eocene, 4 km ENE of Loma Calisto, from cut along railroad between Nuevitas and Pastelillo, about 2 km SE of Nuevitas railroad station, Camagüey Province, Cuba, \times 3.

Schizaster cartagensis (Sánchez Roig)

- 4-7. Dorsal, front, right side, and ventral views of the holotype, SRC 4219, Oligocene-Miocene, SSE of Cartagena, 1 km N side of railroad, Las Villas Province, Cuba, \times 1.

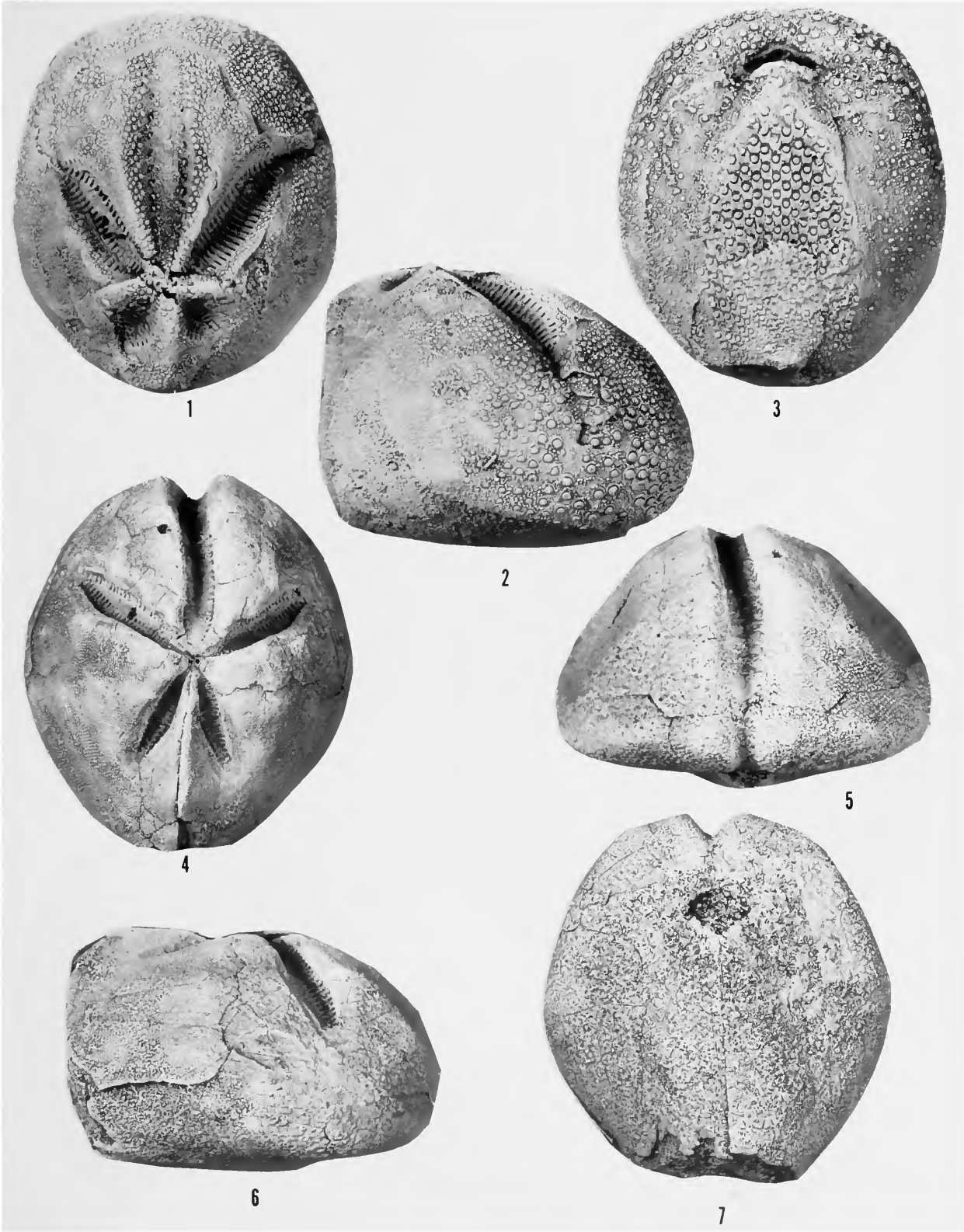


PLATE 17

Schizaster cubitabellae (Weisbord)

- 1-3. Dorsal, right side, and ventral views of the holotype, PRI 3833, late Eocene, from cut along the railroad between Nuevitas and Pastelillo, about 2 km SE of Nuevitas railroad station, Camagüey Province, Cuba, \times 2.5.

Schizaster delgadoi (Sánchez Roig)

- 4-6. Dorsal, ventral, and right side views of holotype, SRC 4211, Oligocene-Miocene, "Cervantes" farm, San José de las Lajas, Habana Province, Cuba, \times 1.

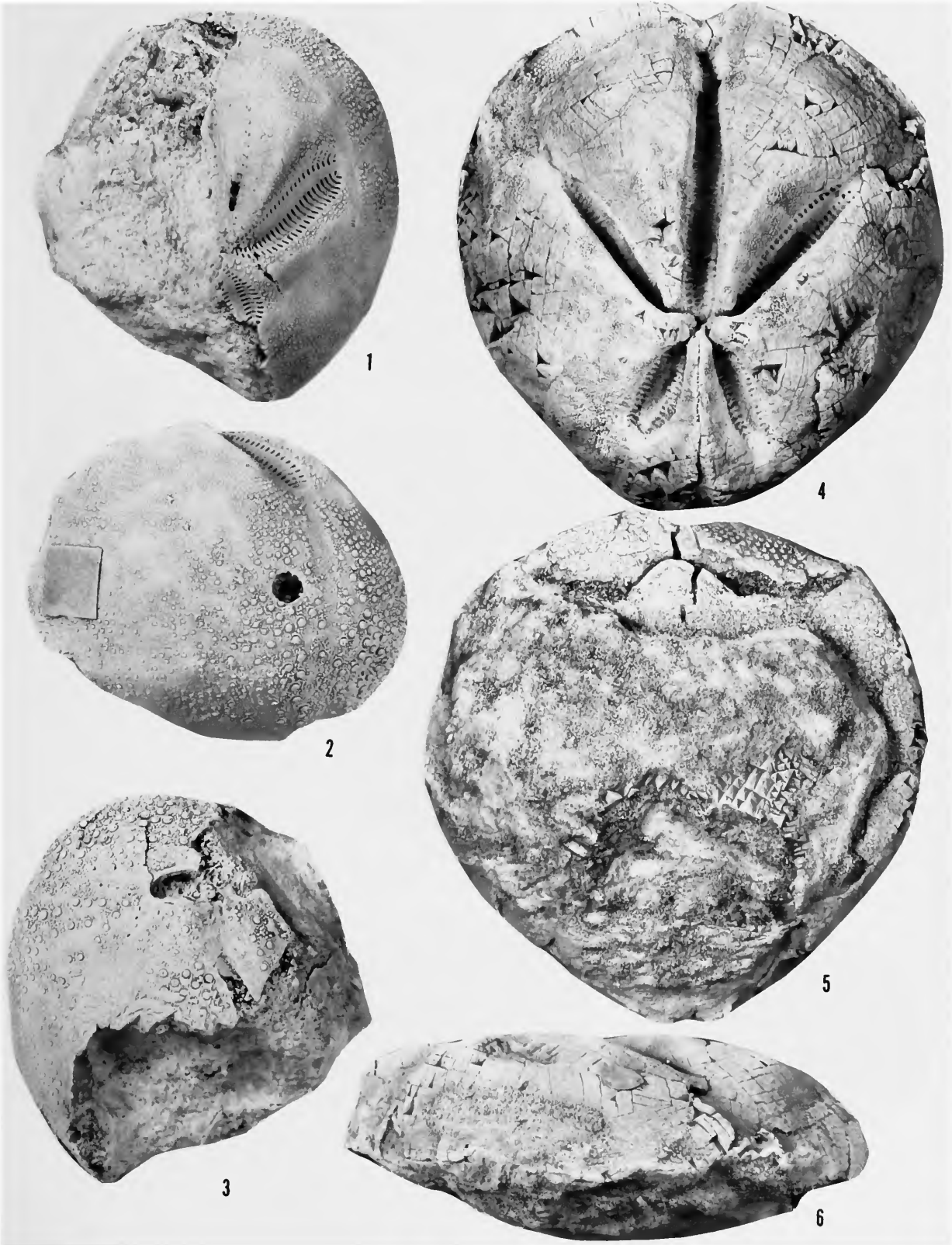


PLATE 18

Schizaster egozcuei Lambert

- 1-4. Dorsal, right side, rear, and ventral views of a topotypic specimen, SRC 4234, Oligocene-Miocene, Cienfuegos, Santa Clara (now Las Villas) Province, Cuba, $\times 1$.

Schizaster fernandezi Sánchez Roig

- 5-8. Dorsal, right side, rear, and ventral views of the holotype, SRC 4148, Miocene, "Las Cuevas" estate, Km 186 on highway from Pinar del Rio to Guane, Pinar del Rio Province, Cuba, $\times 2$.
- 9-11. Dorsal, rear and right side views of topotype, SRC 4147, Miocene, same locality as figures 5-8 above, $\times 2$.

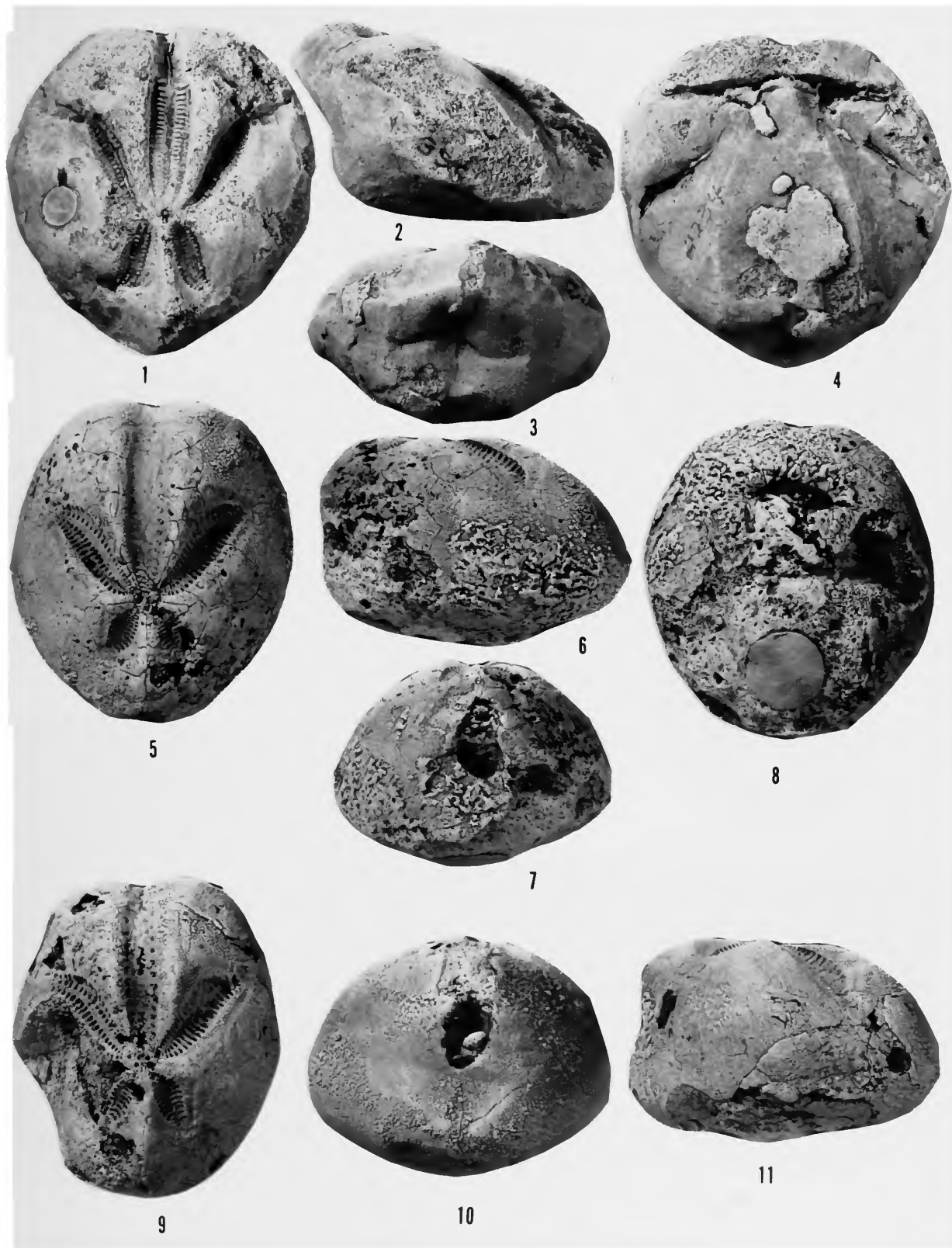


PLATE 19

Schizaster gerthi Pijpers

- 1–4. Dorsal, ventral, rear, and right side views of *Schizaster clarki* (Sánchez Roig) (= *S. gerthi*), ANSP 16674a, Eocene, Loma Caoba, 5 km S of San Diego de los Baños, Pinar del Rio Province, Cuba, $\times 1.5$.
5. Dorsal view of topotype of *Schizaster clarki* (= *S. gerthi*), USNM 341252, Eocene, Loma Caoba, 3 km S of San Diego de los Baños, E of old road to Cantera, Pinar del Rio Province, Cuba, $\times 2.5$.
6. Dorsal view of paratype of *Schizaster gerthi*, University of Utrecht; late Eocene, SE of Seroe Montagne, W. Bonaire, $\times 1$.
7. Anterior ambulacra of specimen in figure 5, $\times 6$.
8. Phyllode II of specimen in figures 1–4, $\times 20$.

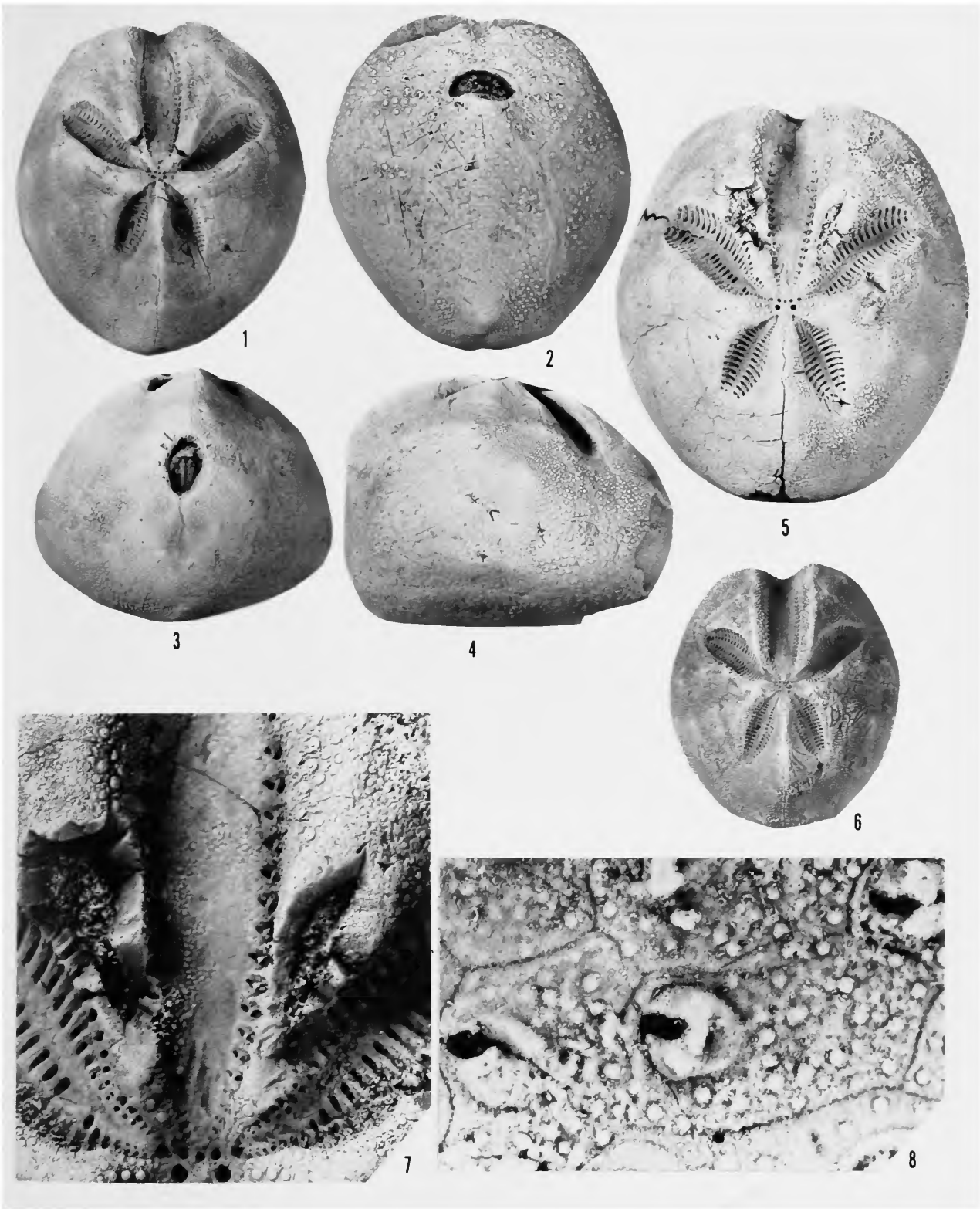


PLATE 20

Schizaster llagunoi Lambert and Sánchez Roig

- 1-4. Dorsal, ventral, rear, and left side views of the lectotype, SRC 4217, middle Eocene, estate of Doña Juana, Santiago de las Vegas, Habana Province, Cuba, $\times 1$.

Schizaster munozi Sánchez Roig

- 5-7. Dorsal, right side, and ventral views of topotype of *Paraster tschopi* Palmer (= *S. munozi*), MCZ 4040, Oligocene-Miocene, Palmer locality 1553, Km 202 United Railroad, 0.5 km S of Km 213 on Central Highway, 23 km E of Colon church, Mantanzas Province, Cuba, $\times 1$.
8. Peristomal region of same specimen, $\times 3$.

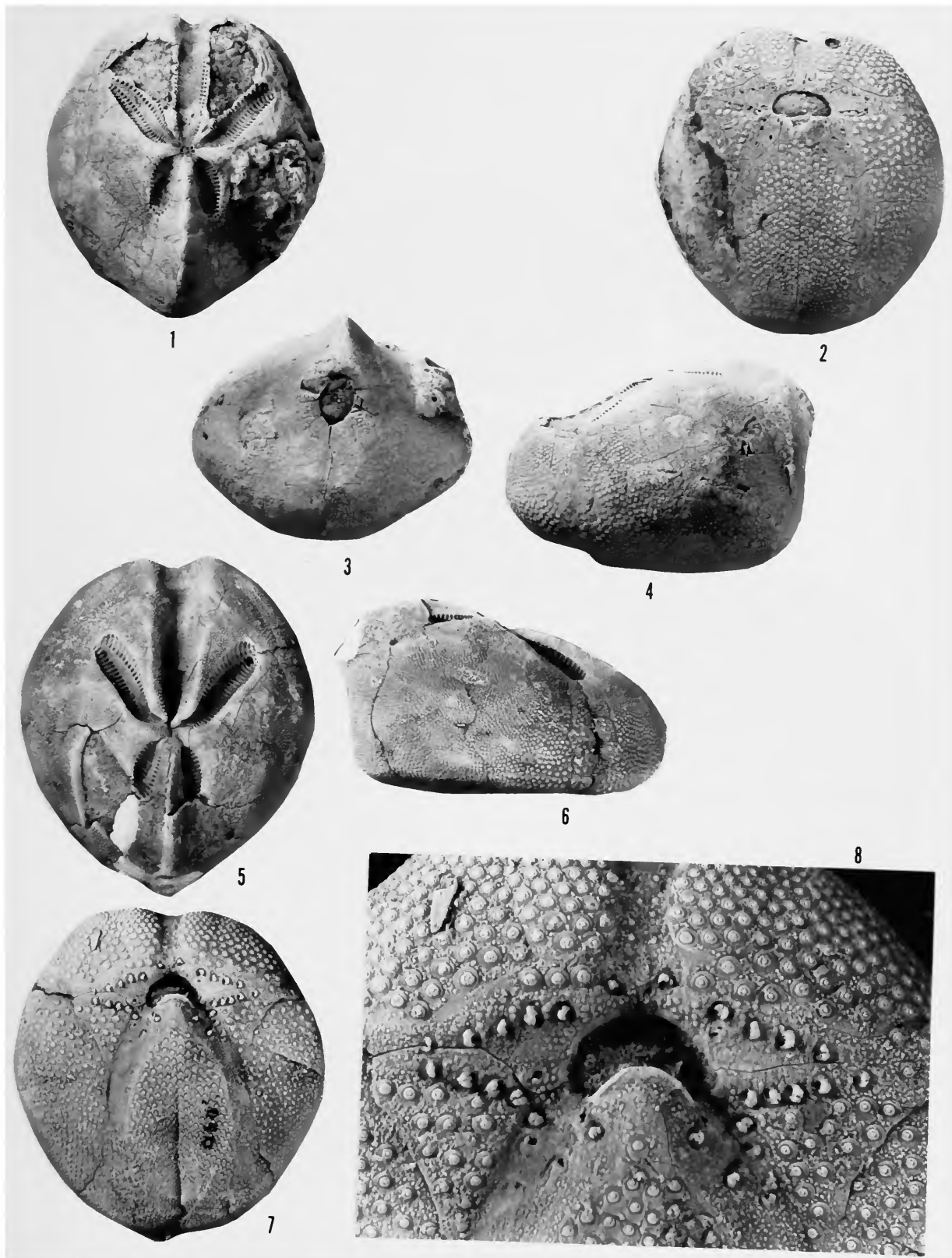


PLATE 21

Schizaster munozi Sánchez Roig

- 1-4. Dorsal, ventral, rear, and right side views of the holotype of *Paraster tschopi* Palmer (= *S. munozi*), SRC 4255, Oligocene-Miocene, Palmer locality 1553, Km 202 United Railroad, 0.5 km S of Km 213 on Central Highway, 23 km E of Colon church, Matanzas Province, Cuba, \times 1.
- 5-8. Dorsal, ventral, right side, and rear views of the holotype of *Schizaster riveroi* Sánchez Roig (= *S. munozi*), SRC 4194, early Miocene, quarry on the outskirts of Cardenas, Matanzas Province, Cuba, \times 1.25.

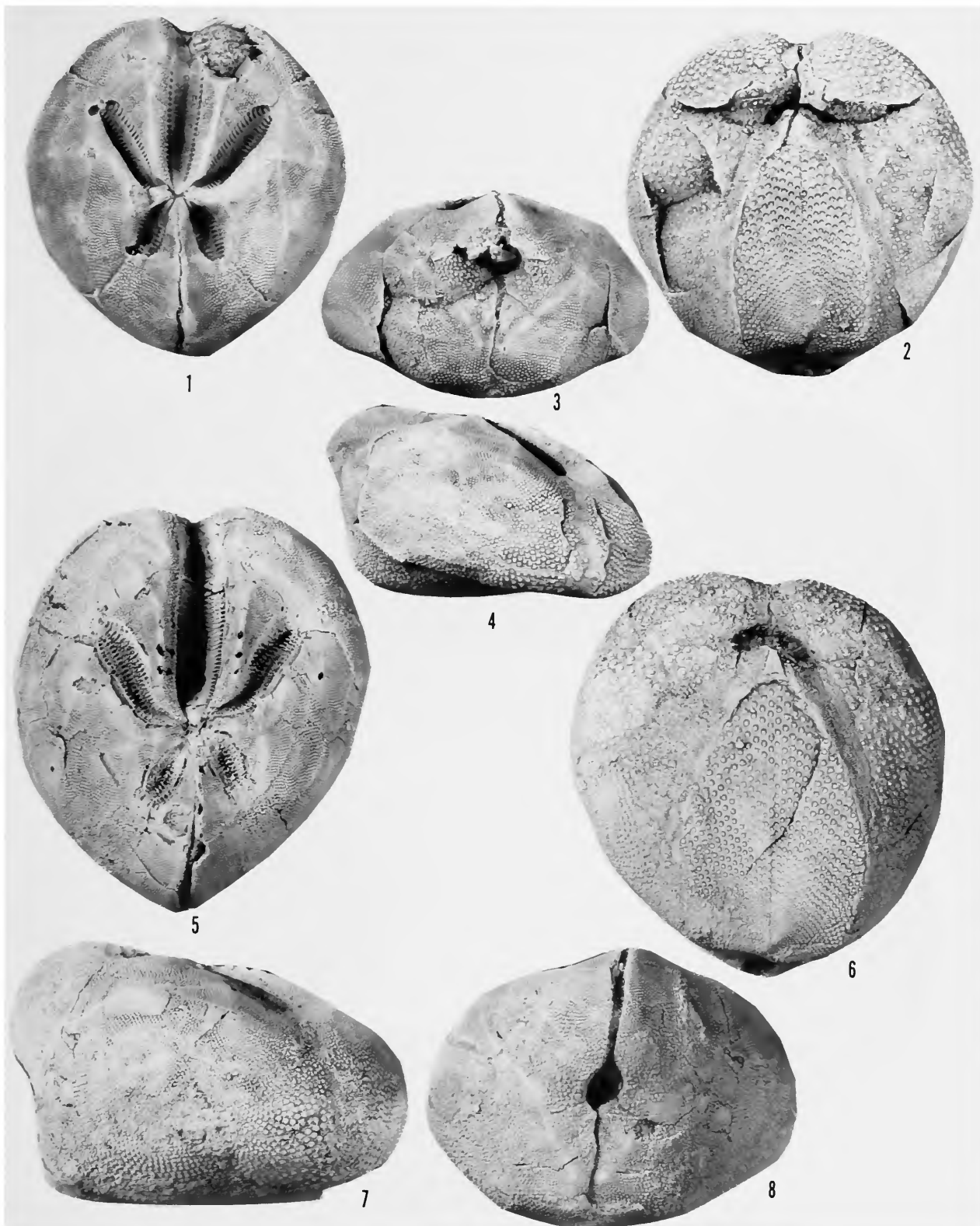


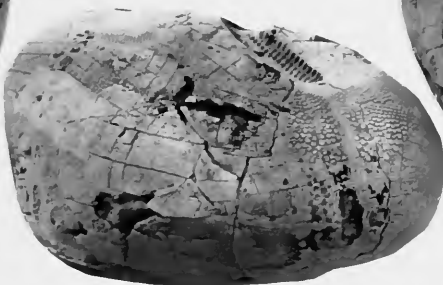
PLATE 22

Schizaster munozi Sánchez Roig

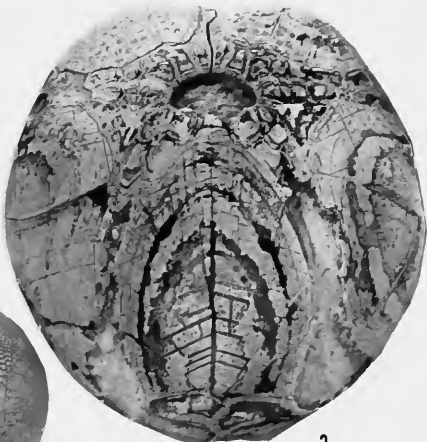
- 1-3. Dorsal, right side, and ventral views of the holotype, SRC 4224, late Oligocene, quarry near Cabezas, Matanzas Province, Cuba, \times 1.
- 4-6. Dorsal, right side, and ventral views of the lectotype of *Schizaster salutis* Sánchez Roig (= *S. munozi*), SRC 4187, early Miocene, Lastra estate, La Salud, Habana Province, Cuba, \times 1.
- 7-9. Dorsal, right side, and ventral views of the lectotype of *Paraster orientalis* Sánchez Roig (= *S. munozi*), SRC 4254, Oligocene-Miocene, roadcut in Central Highway, Km 753.5 E of Habana, 18.5 km W of Holguín, Oriente Province, Cuba, \times 2.



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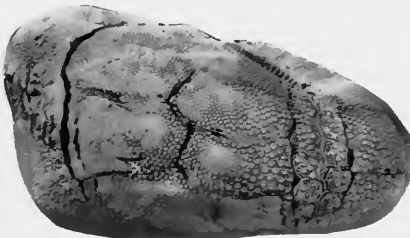
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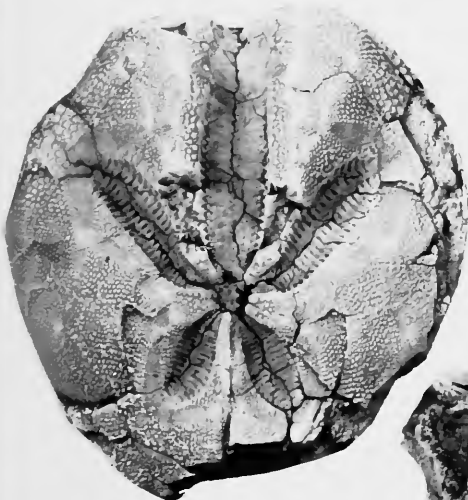
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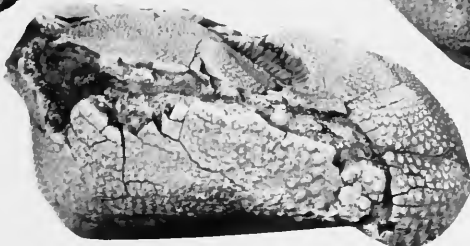
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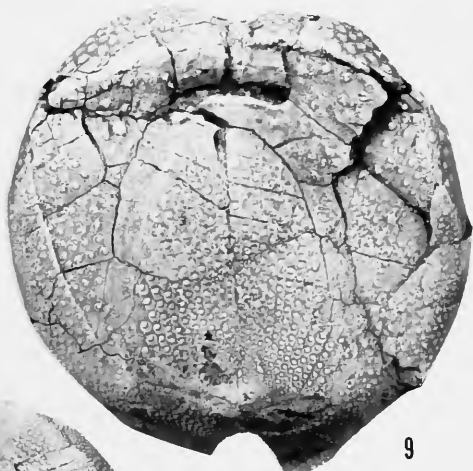
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PLATE 23

Schizaster munozi Sánchez Roig

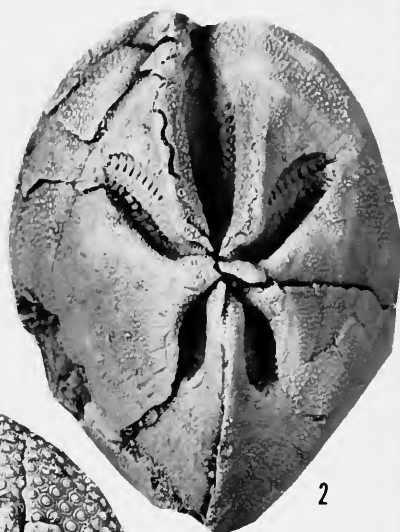
1. Dorsal view of the lectotype of *Schizaster guirensis* Sánchez Roig (= *S. munozi*), SRC 4251, early Miocene, María Teresa farm, Km 40–41, on highway from San Antonio de los Baños to Guira, Habana Province, Cuba, \times 1.

Schizaster nuevitasensis (Weisbord)

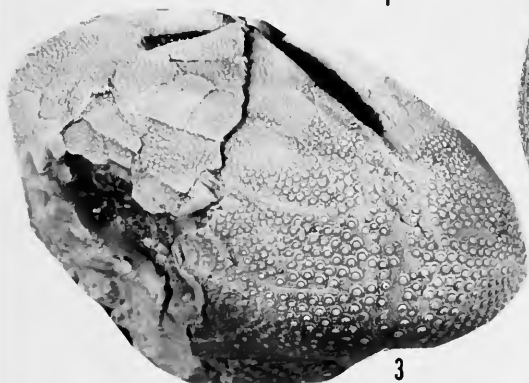
- 2–4. Dorsal, right side, and ventral views of the holotype, PRI 3830, late Eocene, Weisbord loc. 714, from lenticular marls between Nuevitas and Pastelillo along railroad cut, about 2 km SE of Nuevitas railroad station, Camagüey Province, Cuba, \times 2.
5. Phyllode II of same specimen, \times 10.



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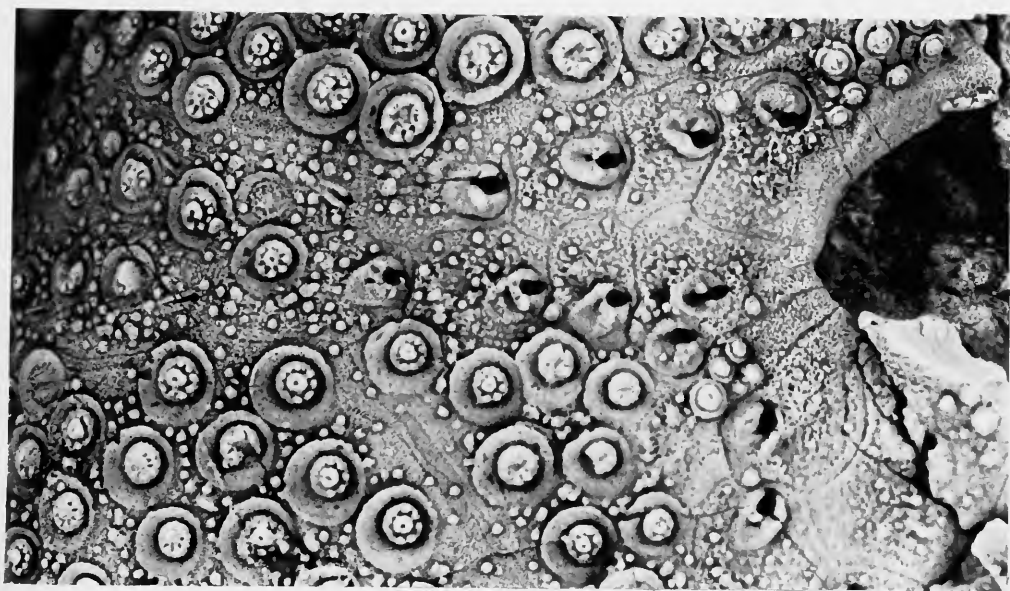
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PLATE 24

Schizaster formelli, new species

- 1-3. Dorsal, right side, and ventral views of the holotype, ANSP 16675a, Eocene, Palmer loc. 687a, 15 mi (24 km) E of Camagüey on Maraguan road from Guanabanito River, Camagüey Province, Cuba, \times 2.5.
- 4-7. Dorsal, ventral, rear, and right side views of paratype, ANSP 16675b, Eocene, same locality as holotype, \times 3.

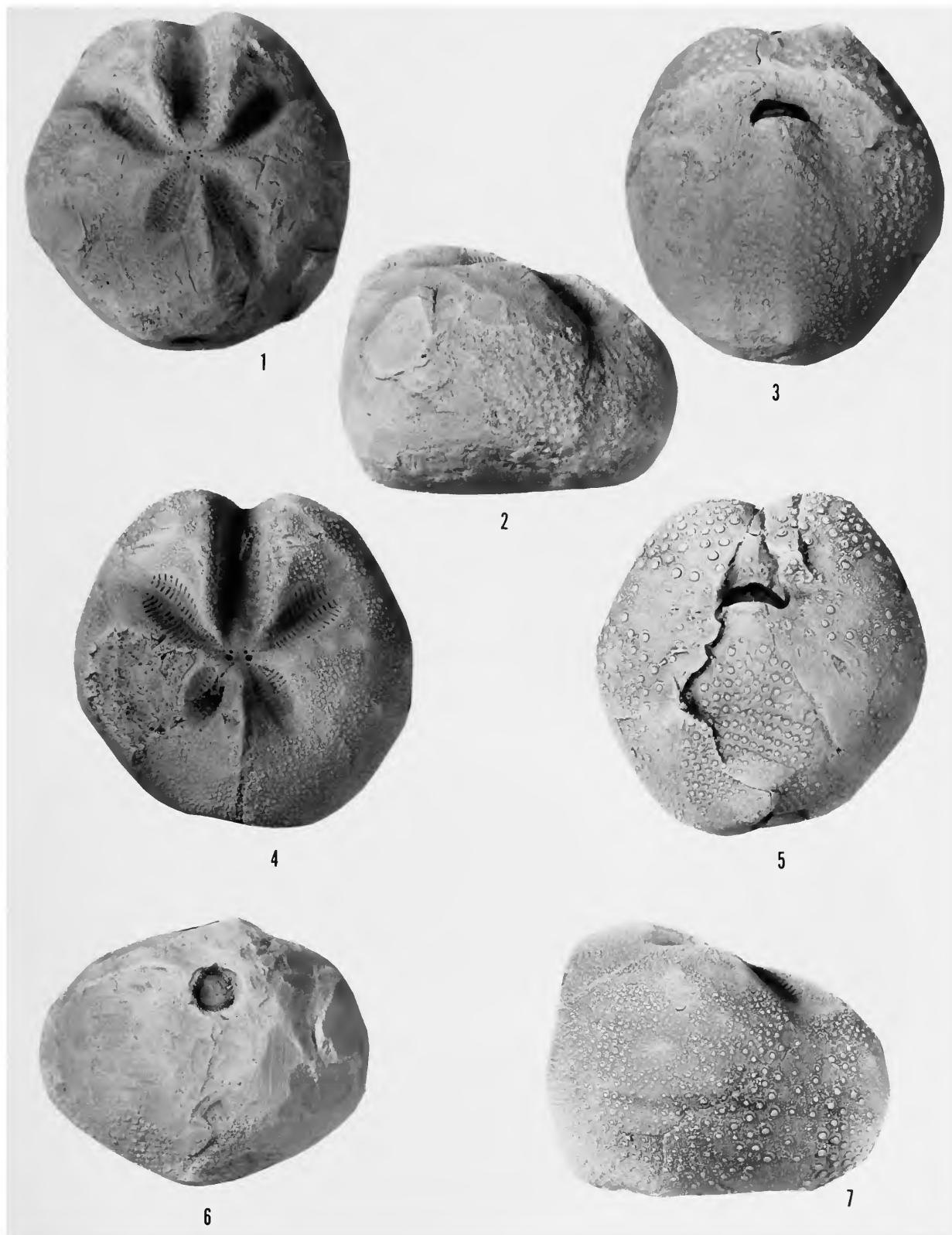


PLATE 25*Schizaster rojasi* Sánchez Roig

- 1–4. Dorsal, ventral, rear, and right side views of the lectotype, SRC 4186, Oligocene-Miocene, “Blanquizal” farm, Cuatro Caminos, Marroquín, Morón, Camagüey Province, Cuba, $\times 1.5$.

Schizaster sanctamariae Sánchez Roig

- 5–8. Dorsal, rear, right side, and ventral views of holotype, SRC 4161, Oligocene-Miocene, 1.75 mi (2.8 km) N of Santa Maria del Rosario, Habana Province, Cuba, $\times 2$.

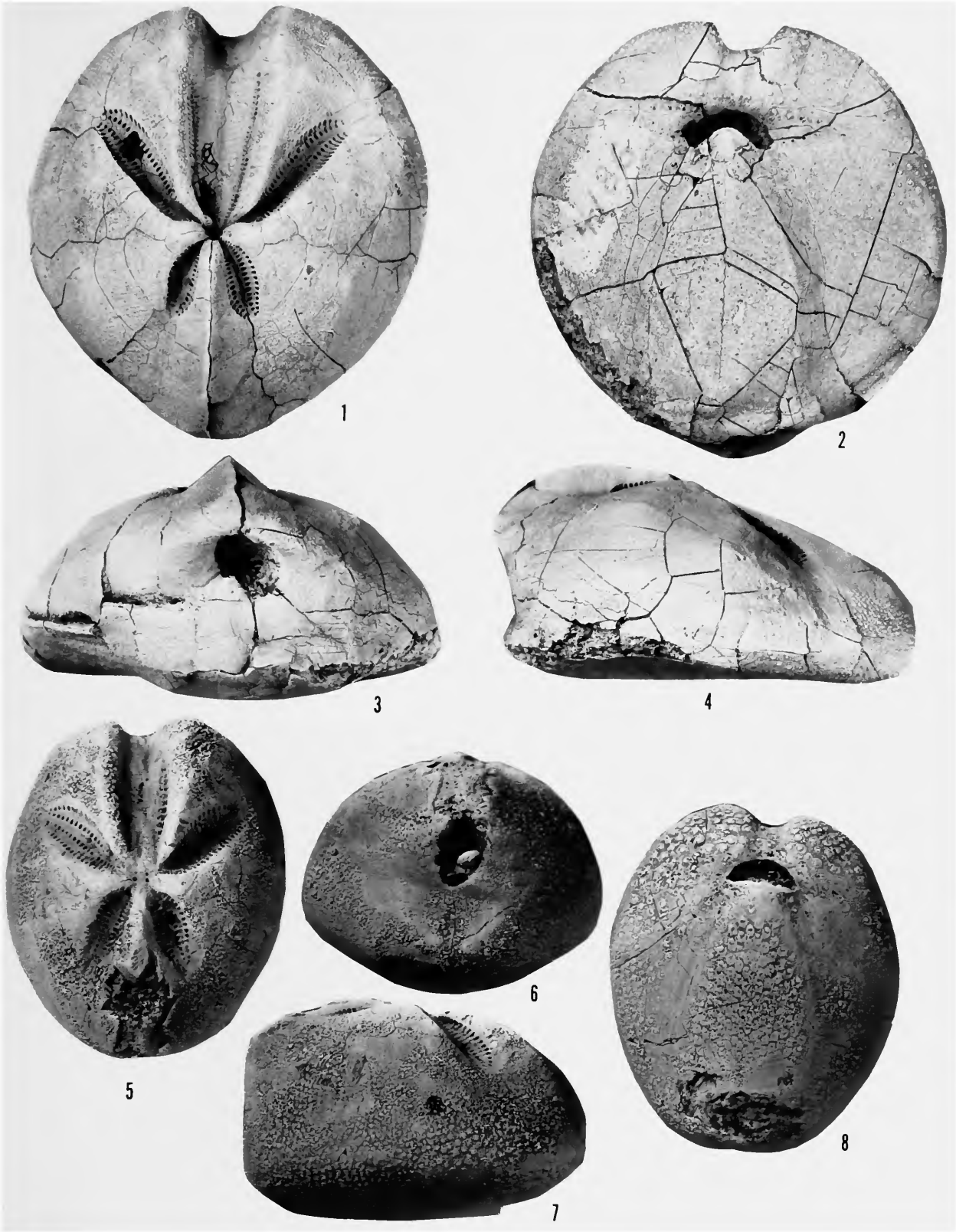
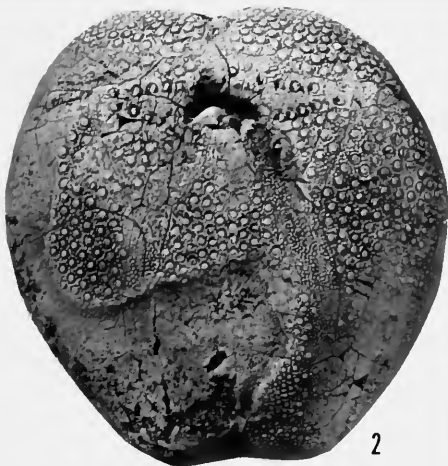


PLATE 26*Schizaster santanae* Sánchez Roig

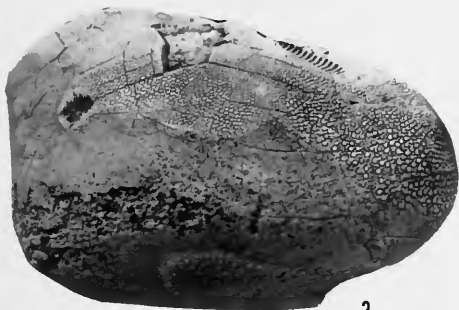
- 1-4. Dorsal, ventral, right side, and rear views of the lectotype, SRC 4266, middle to late Eocene, "Santa Ana" estate, Ciego de Avila, Majagua district, Camagüey Province, Cuba, $\times 1.5$.
5. Apical region of same specimen, $\times 20$.



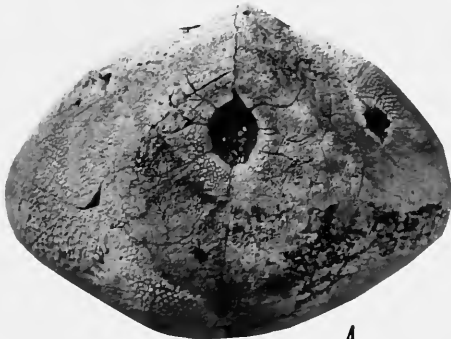
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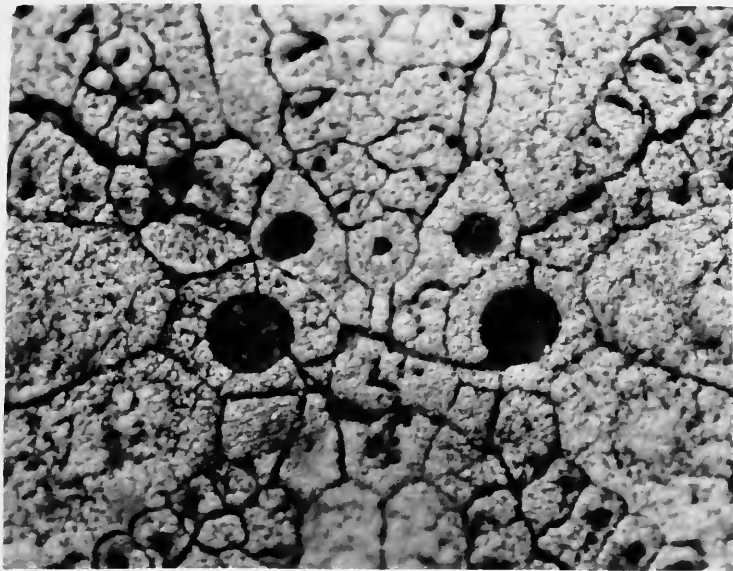
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PLATE 27*Schizaster subcylindricus* Cotteau

- 1, 2. Dorsal and right side views of the lectotype, USNM 214177a, Eocene, St. Bartholomew Limestone, St. Bartholomew, $\times 2.5$.
3. Dorsal view of specimen of *Schizaster brachypetalus* Arnold and Clark (= *S. subcylindricus*), USNM 301378, Eocene, Jamaica, $\times 2.5$.
- 4–7. Dorsal, rear, right side, and ventral views of Cuban specimen, USNM 217364, Eocene, Loma Caoba, 5 km S of San Diego de los Baños, Pinar del Rio Province, Cuba, $\times 2.5$.

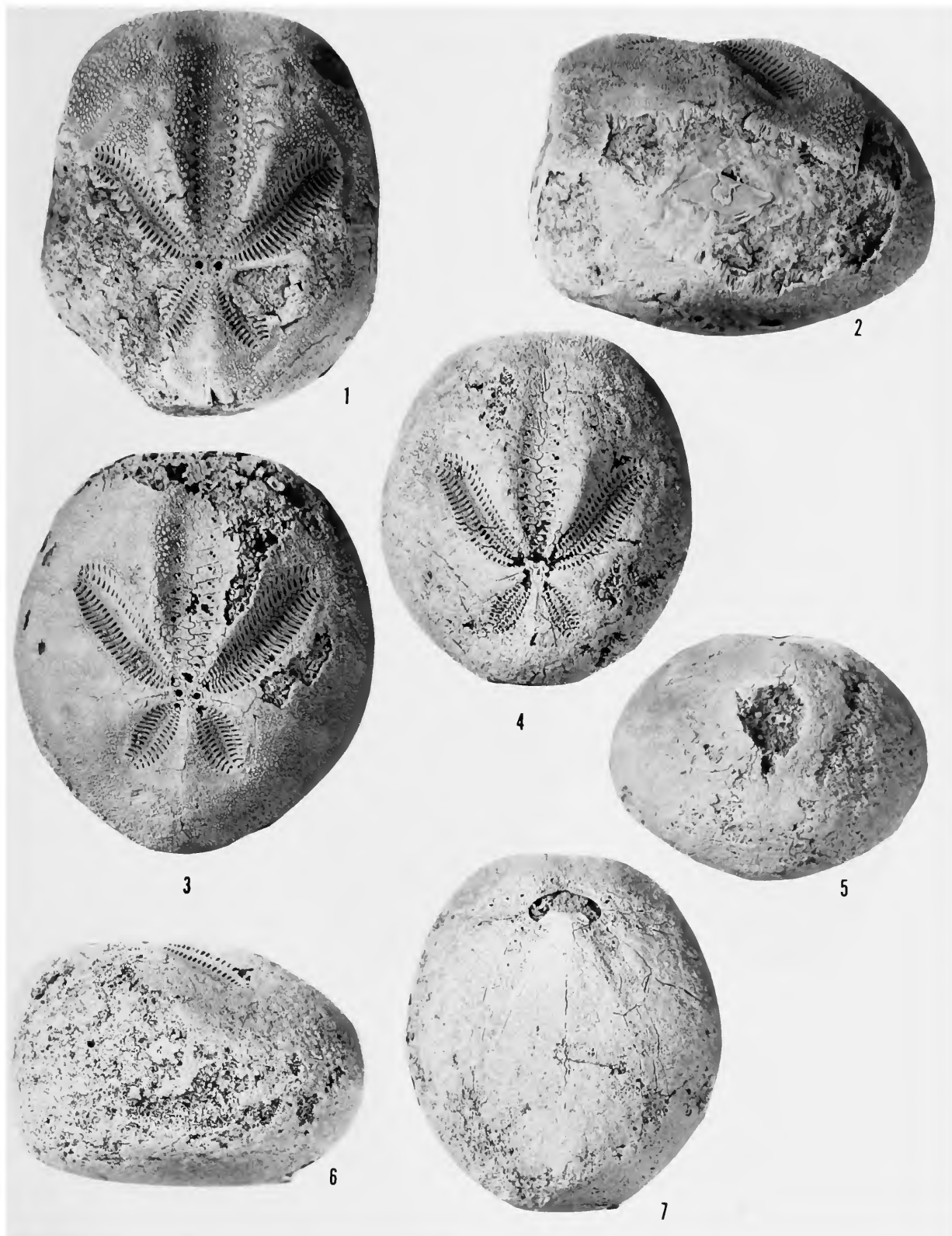


PLATE 28*Schizaster subcylindricus* Cotteau

- 1–4. Dorsal, ventral, right side, and rear views of holotype of *Schizaster brachypetalus* Arnold and Clark (= *S. subcylindricus*) MCZ 3295, Eocene, near Abington, SW of Green Harbour, Hanover Parish, Jamaica, $\times 2$.

Schizaster cubensis d'Orbigny

5. Right side view of the holotype, MNHN 11934, Pliocene or Recent, Cuba, $\times 3$.

Schizaster pastelilloensis (Weisbord)

- 6–8. Dorsal, ventral, and right side views of the holotype, PRI 3832, Late Eocene, from cut along the railroad between Nuevitas and Pastelillo, about 2 km SE of Nuevitas railroad station, Camagüey Province, Cuba, $\times 2.5$.

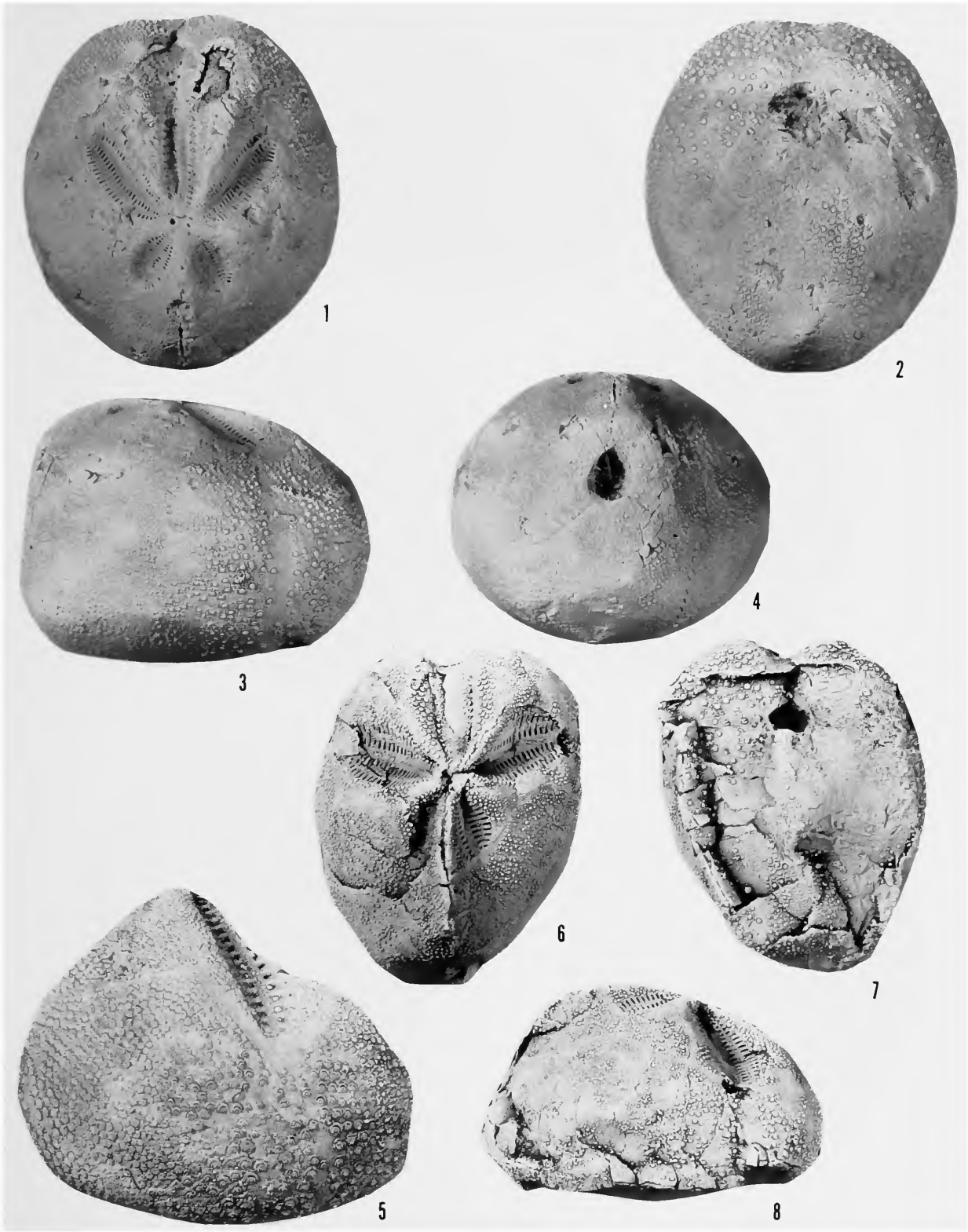


PLATE 29

Agassizia clevei Cotteau

- 1–3. Dorsal, right side, and rear views of a topotype of *Agassizia avilensis* Sánchez Roig (= *A. clevei*), SRC 4750, Oligocene-Miocene, Carretera Central, both sides, 425.5 km E of Habana, 36.1 km W of Ciego between Ciego de Avila and Jatibonico, Camagüey Province, Cuba, × 2.
- 4, 5. Dorsal and ventral views of the holotype of *Agassizia avilensis* Sánchez Roig (= *A. clevei*), SRC 4749, Oligocene-Miocene, same locality as that of SRC 4750, × 2.5.
6. Dorsal view of the lectotype herein designated, USNM 214171a (formerly 115407), Miocene, Anguilla Formation, Anguilla, × 4.
7. Dorsal view of the paralectotype, herein designated, USNM 214171b (formerly 115407), from same locality as figure 6 above, × 4.

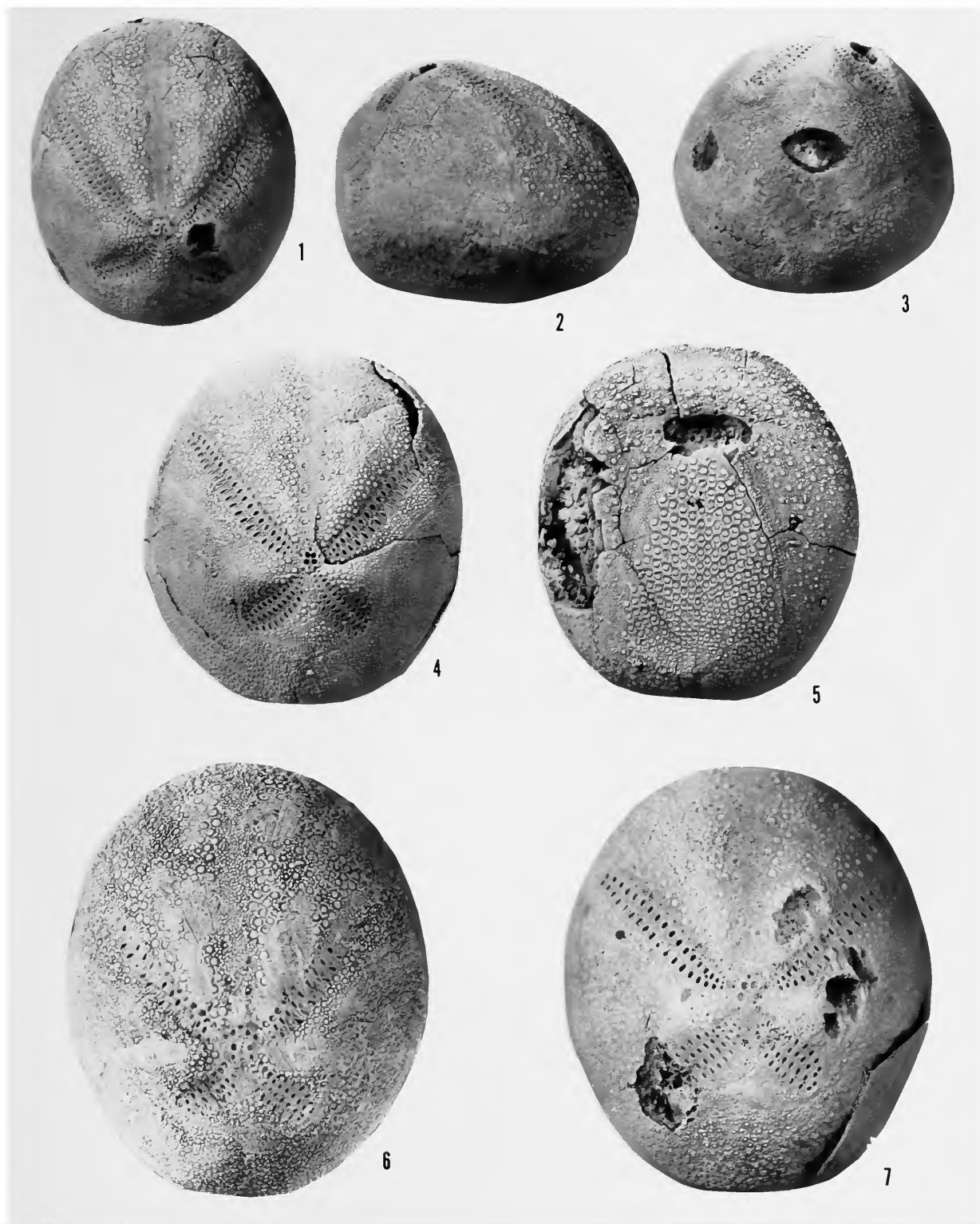


PLATE 30

Agassizia clevei Cotteau

- 1-4. Dorsal, right side, ventral, and rear views of topotype of *Agassizia avilensis* Sánchez Roig (= *A. clevei*), MCZ 4121, Oligocene-Miocene, Carretera Central, both sides, 425.5 km E of Habana, 36.1 km W of Ciego between Ciego de Avila and Jatibonico, Camagüey Province, Cuba, \times 3.
- 5-7. Dorsal, right side, and ventral views, MCZ 4124. Oligocene-Miocene, roadcuts at Arroyo la Palma, 8.2 km SE of bridge over Río Zaza or 12.8 km SE of Sancti Spiritus, Santa Clara (now Las Villas) Province, Cuba, \times 2.5.

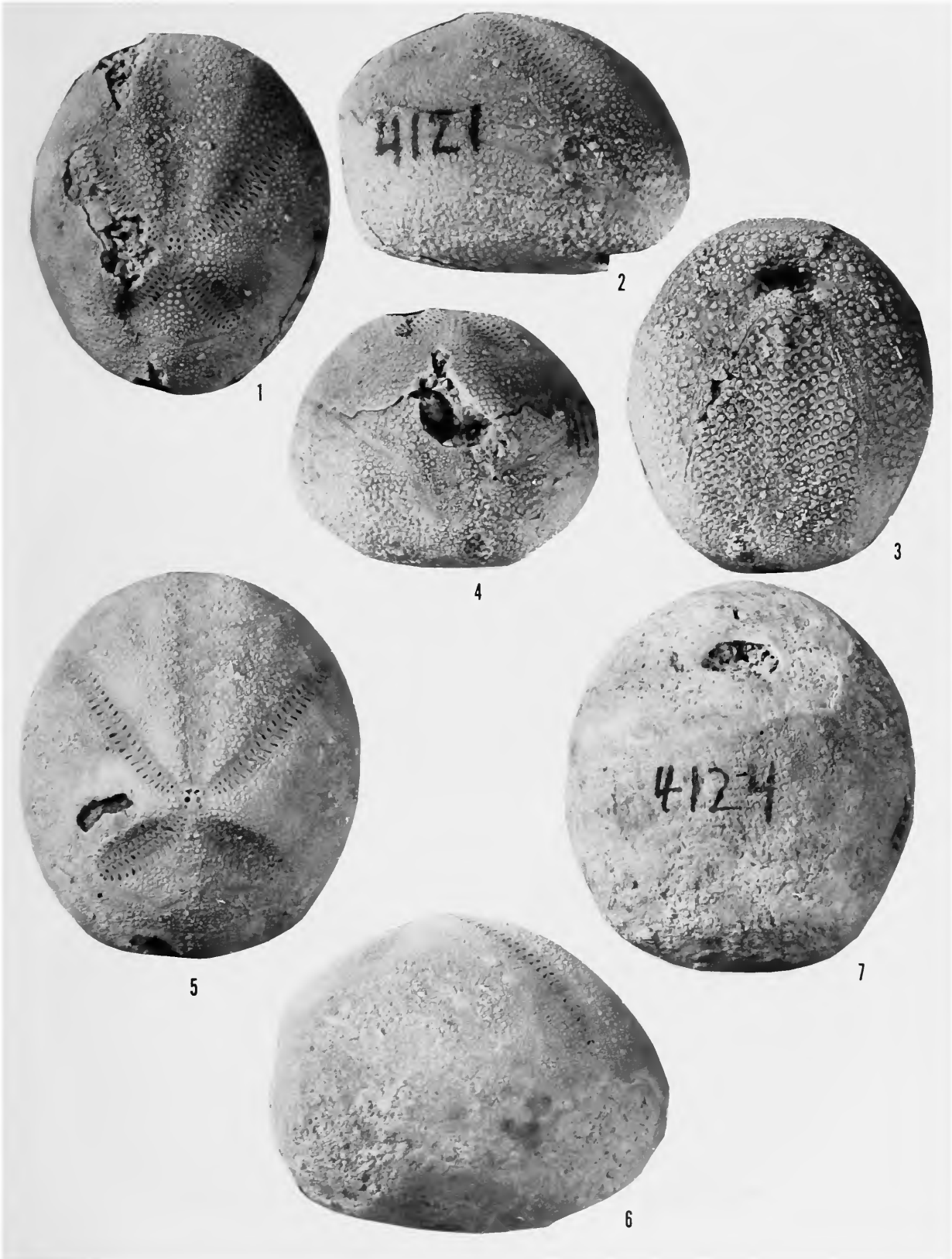


PLATE 31

Agassizia clevei Cotteau

- 1-3. Dorsal, right side, and ventral views of the holotype of *Agassizia caribbeana* Weisbord (= *A. clevei*), PRI 3834, late Eocene, Loma Calisto, Camagüey Province, Cuba, \times 2.
- 4-6. Dorsal, right side, and ventral views of the paratype of *Agassizia caribbeana* Weisbord (= *A. clevei*), PRI 3835, late Eocene, between Nuevitas and Pastelillo, Camagüey Province, Cuba, \times 3.
7. Dorsal view of holotype of *Agassizia camagueyana* Weisbord (= *A. clevei*), PRI 3839, Oligocene-Miocene, Km 440, central highway between Jatibonico and Ciego de Avila, Camagüey Province, Cuba, \times 2.5.
8. Dorsal view of *Agassizia floridana* de Loriol (= *A. clevei*) USNM 341253; Eocene, Crystal River Formation, St. Catherine Rock Company quarry, west of St. Catherine, Sumter Co., Florida, \times 4.

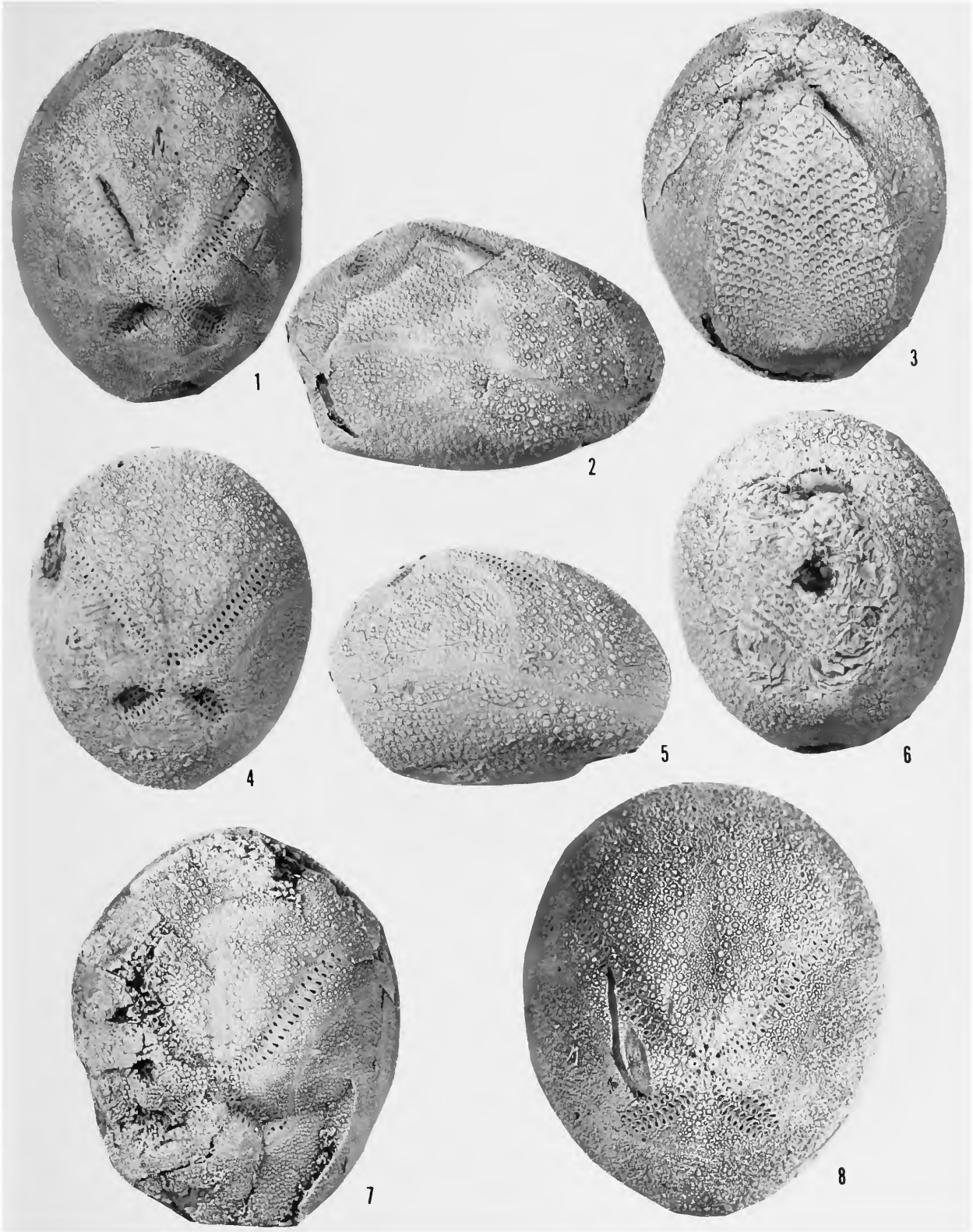


PLATE 32*Agassizia inflata* Jackson

- 1-3. Dorsal, right side, and ventral views of the holotype, USNM 325610, Eocene, St. Bartholomew Limestone, St. Bartholomew, $\times 3$.
- 4-6. Dorsal, right side, and ventral views, USNM 341254, Oligocene-Miocene, 43.1 km W of Ciego de Avila, Camagüey Province, Cuba, $\times 3$.

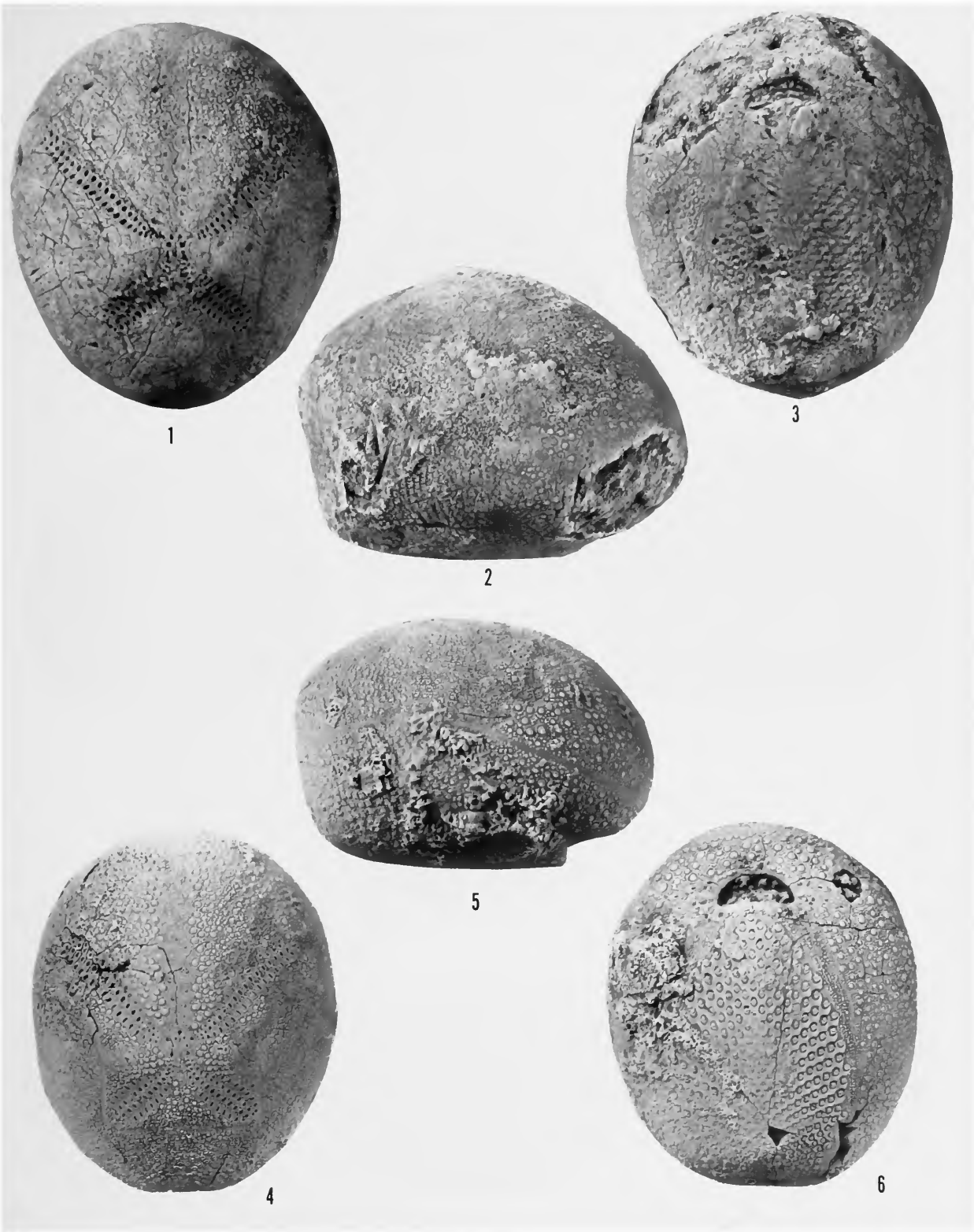


PLATE 33*Agassizia pinarensis* Sánchez Roig

- 1–5. Dorsal, ventral, front, rear, and right side views of the holotype, SRC 4160, Miocene, extreme N of Consolación del Sur, Pinar del Rio Province, Cuba, \times 2.5.

Agassizia alveari Sánchez Roig

- 6–9. Dorsal, rear, right side, and ventral views of the lectotype, SRC 4084, Oligocene-Miocene, 42 km W of Ciego de Avila, 419.7 km on Central Highway, Camagüey Province, Cuba, \times 1.5.

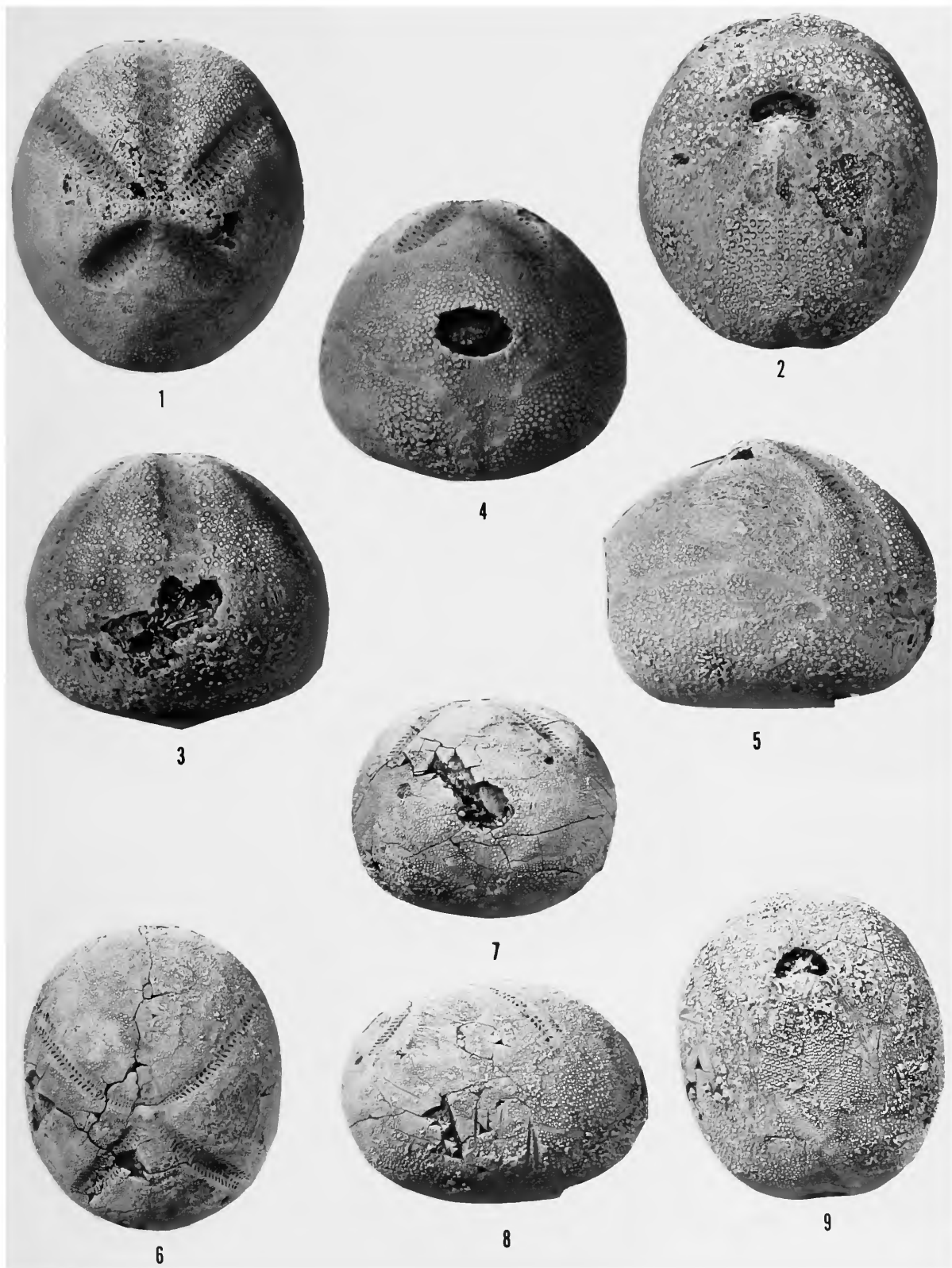


PLATE 34*Caribbaster loveni* (Cotteau)

- 1-4. Dorsal, right side, rear, and ventral views, ANSP 16664, late Eocene, E of Arroyo Blanco, 150 m, in road to Majagua, Camagüey Province, Cuba, $\times 2.5$.
- 5, 6. Dorsal and right side of holotype, USNM 214175 (formerly 115411), Eocene, St. Bartholomew, $\times 2$.
- 7-10. Dorsal, rear, right side, and ventral views of the holotype of *Hypselaster perplexus* Arnold and Clark (= *C. loveni*), MCZ 3292, Eocene, Spring Mount, St. James Parish, Jamaica, $\times 2$.

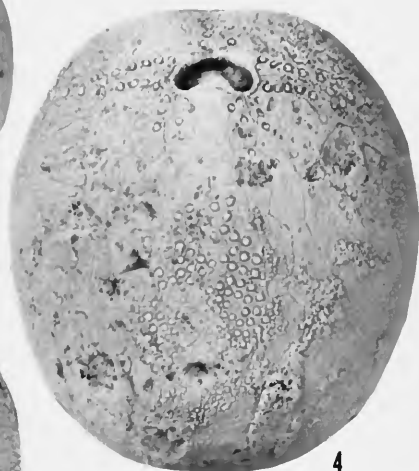
(Photograph reduced to 90 percent.)



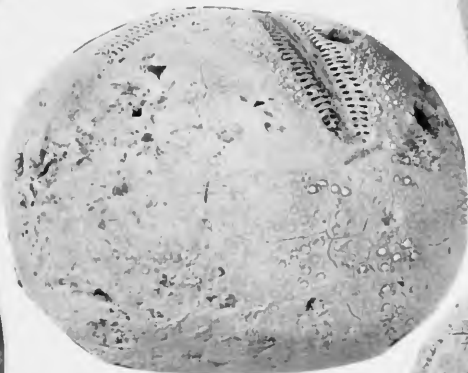
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PLATE 35*Lambertona lamberti* (Sánchez Roig)

1. Dorsal view of the lectotype, SRC 4959, early Eocene, quarries of Tejar Conseulo, Cerro, Ciénaga, Habana Province, Cuba, $\times 1$.
2. Peristome of paralectotype, USNM 352864, early Eocene, $\times 4$. (See also Plate 36.)

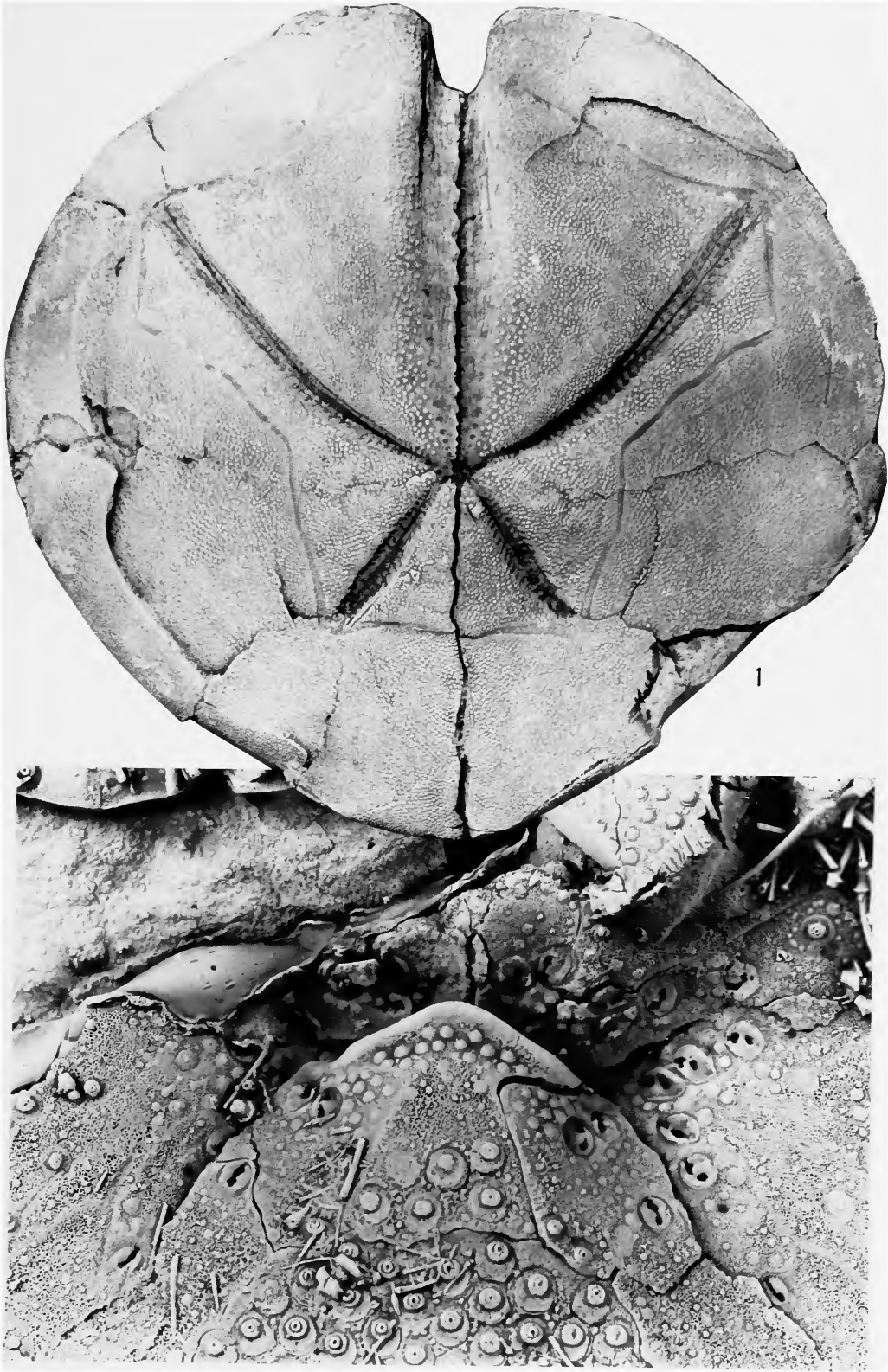


PLATE 36

Lambertona lamberti (Sánchez Roig)

- 1, 2. Dorsal and ventral views of paralectotype, USNM 352864, early Eocene, quarries of Tejar Consuelo, Cerro, Ciénaga, Habana Province, Cuba, $\times 1$.
3. Spines on ventral side in anterior interambulacrum of the same specimen, $\times 6$.

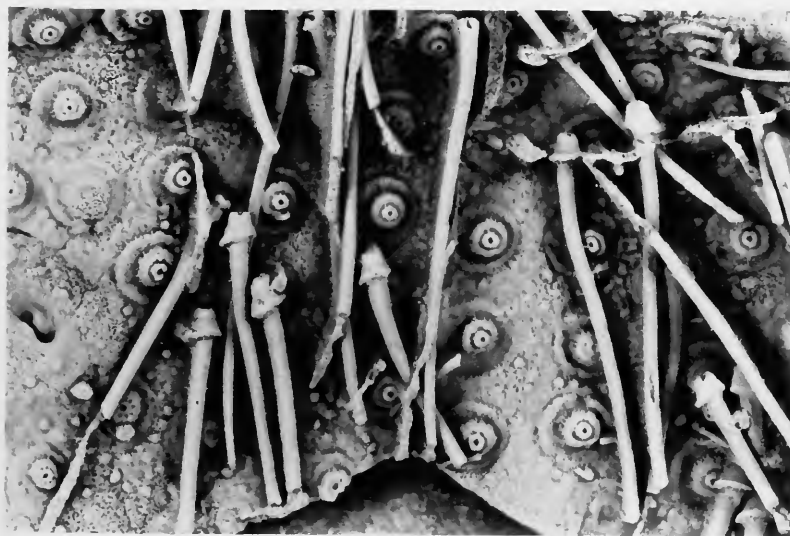
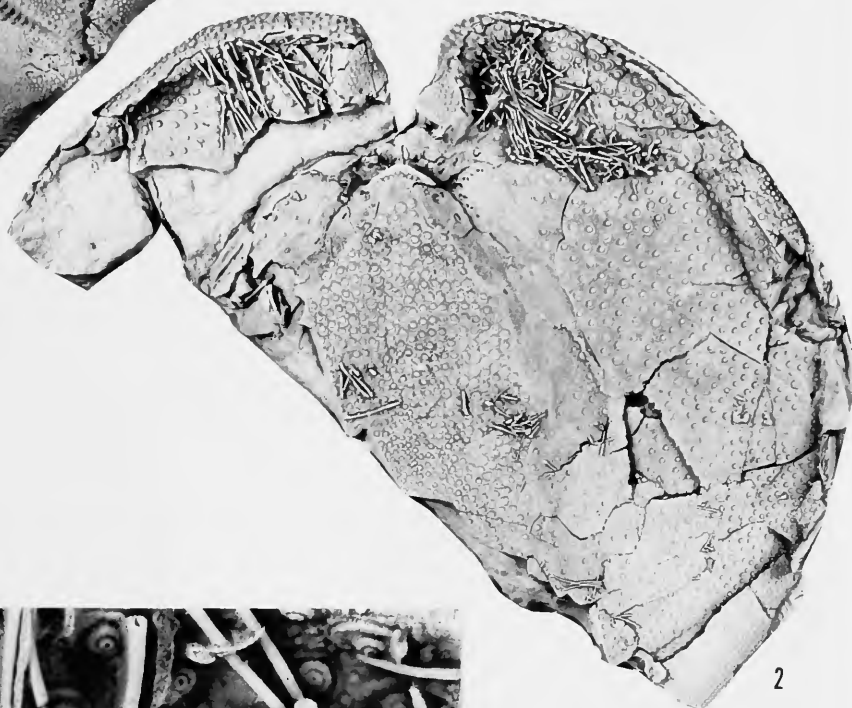
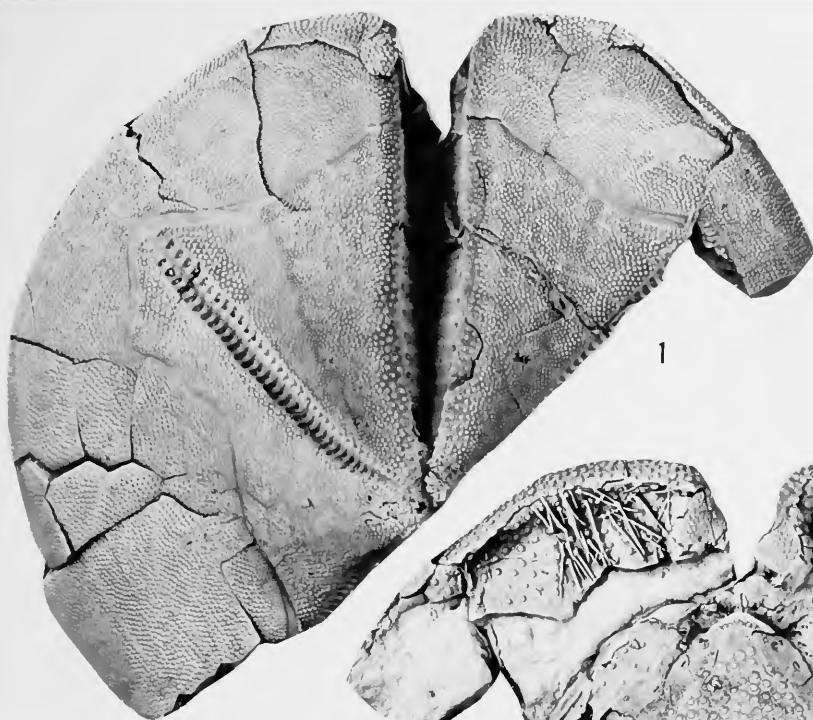


PLATE 37

Linthia brodermanni Sánchez Roig

- 1–4. Dorsal, ventral, front, and right side views of lectotype, SRC 4851, Late Cretaceous, W edge of Batey Dos Hermanos, in mulberry patch (Palmer loc. 1833), Las Villas Province, Cuba, $\times 1.5$.
- 5–8. Dorsal, ventral, rear, and right side views of lectoparatype, SRC 4858, Late Cretaceous, from fields $\frac{1}{2}$ km W of Central Manuelita, along cane railroad (Palmer loc. 1729), Las Villas Province, Cuba, $\times 1.5$.

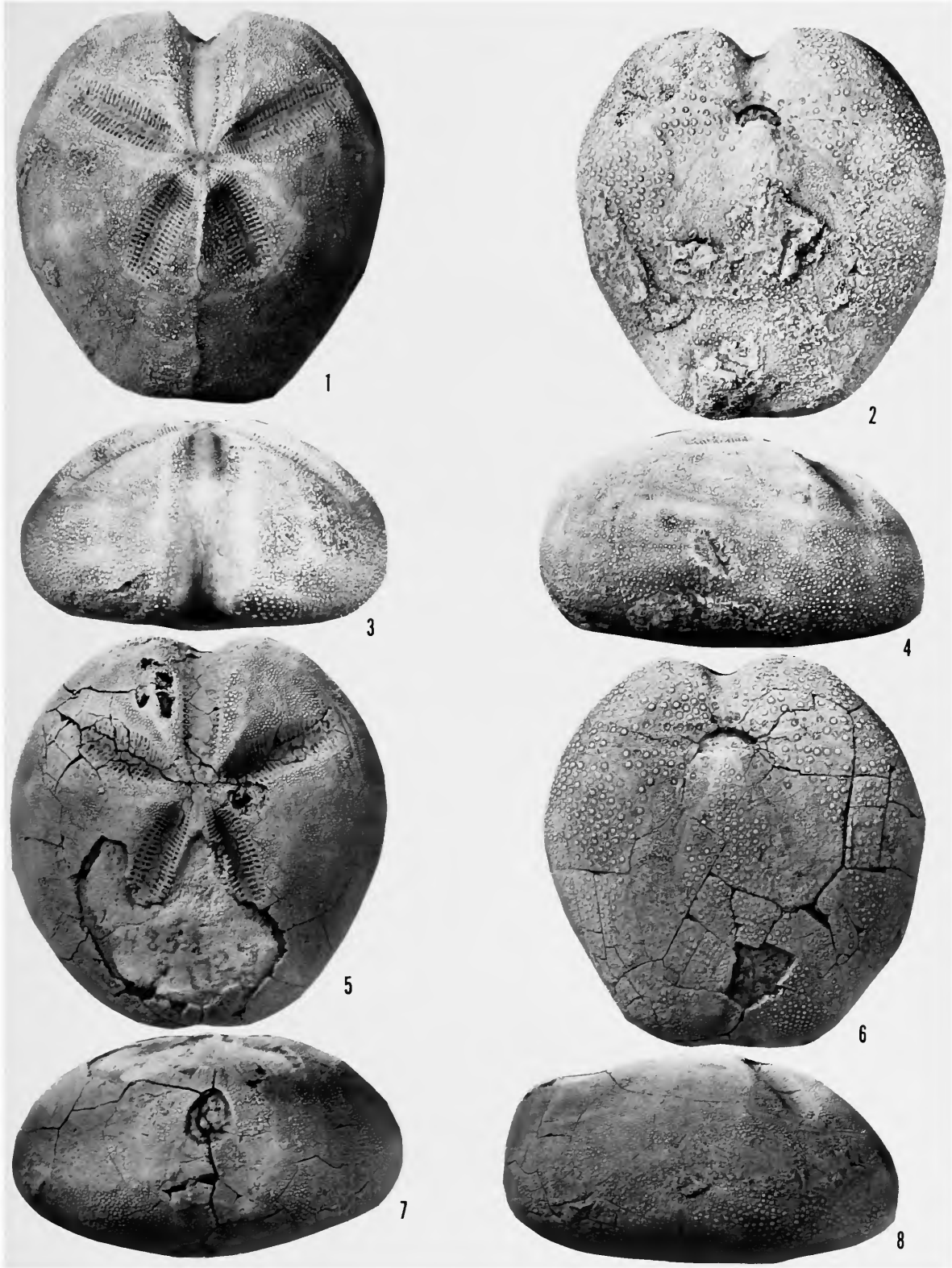


PLATE 38

Linthia brodermanni Sánchez Roig

- 1–3. Dorsal, right side and rear views of holotype of *Micraster elevatus* Sánchez Roig (= *L. brodermanni*), SRC 4256, Late Cretaceous, W edge of Batey Dos Hermanos, in mulberry patch (Palmer loc. 1833), Las Villas Province, Cuba, $\times 1$.
- 4–6. Dorsal, ventral and right side views of lectotype of *Hemiaster lamberti* Sánchez Roig (= *L. brodermanni*), SRC 4864, Late Cretaceous, same locality as above, $\times 1.5$.

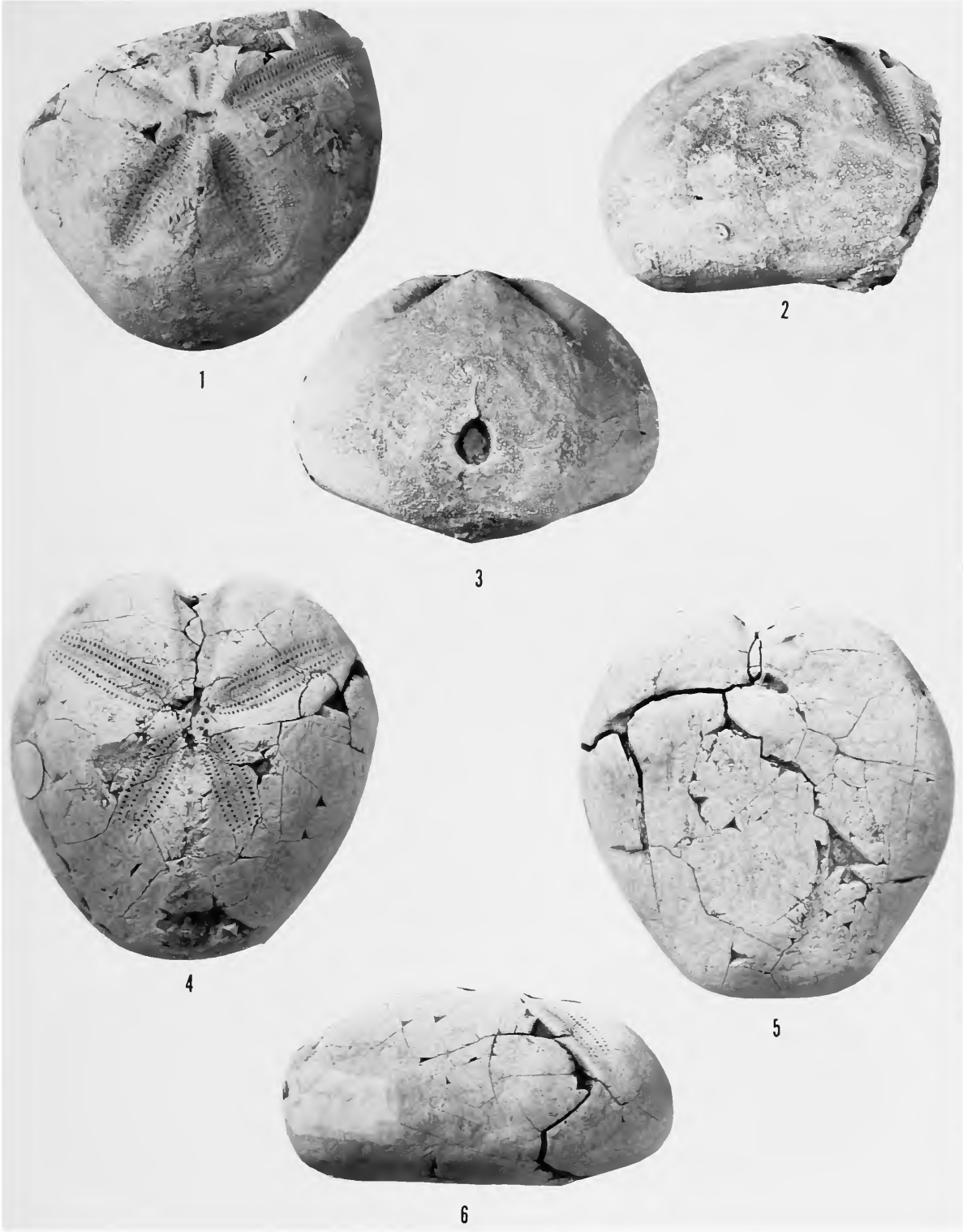


PLATE 39

Linthia brodermanni Sánchez Roig

- 1-3. Dorsal, right side, and ventral views of the holotype of *Linthia alta* Sánchez Roig (= *L. brodermanni*), SRC 4223, Late Cretaceous, W edge of Batey Dos Hermanos, in mulberry patch (Palmer loc. 1833), Las Villas Province, Cuba, × 1.
- 4-7. Dorsal, ventral, right side, and rear views of the holotype of *Linthia gonzalezmunoz* Sánchez Roig (= *L. brodermanni*), SRC 4247, Late Cretaceous (Senonian), Abra de Castellón, Cumanayagua, Las Villas Province, Cuba, × 2.

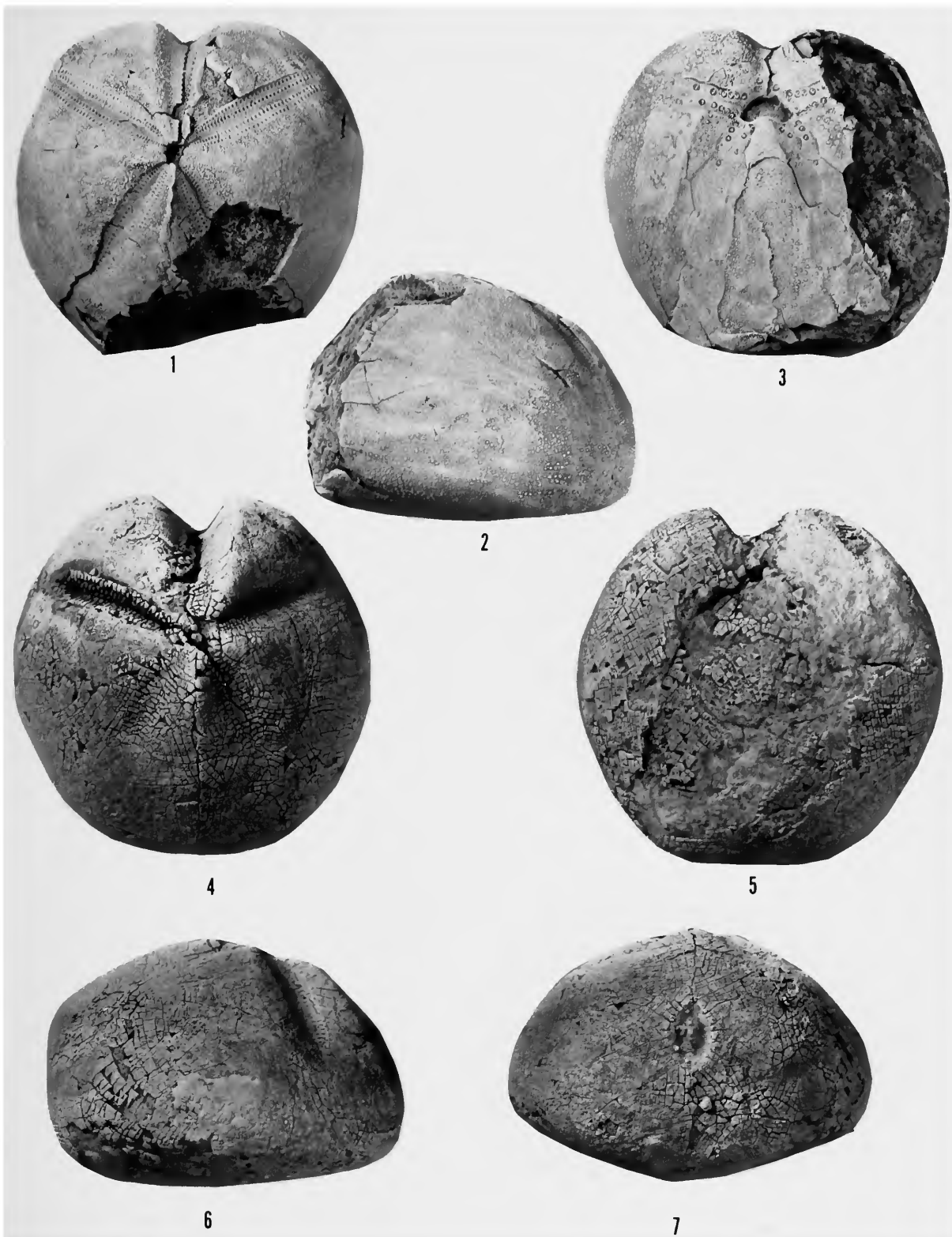


PLATE 40

Linthia monteroae, new species

- 1–4. Dorsal, right side, ventral, and rear views of holotype, ANSP 16656, Eocene (Palmer loc. 1085), E of Arroyo Blanco, 150 m, in road to Majagua, Camagüey Province, Cuba, $\times 1$.

Linthia ?avilensis Sánchez Roig

- 5–7. Dorsal, ventral, and right side views of the holotype, SRC 4158, Late Cretaceous, “Maniadero” farm, 7.5 km, W Jicotea, Camagüey Province, Cuba, $\times 2$.

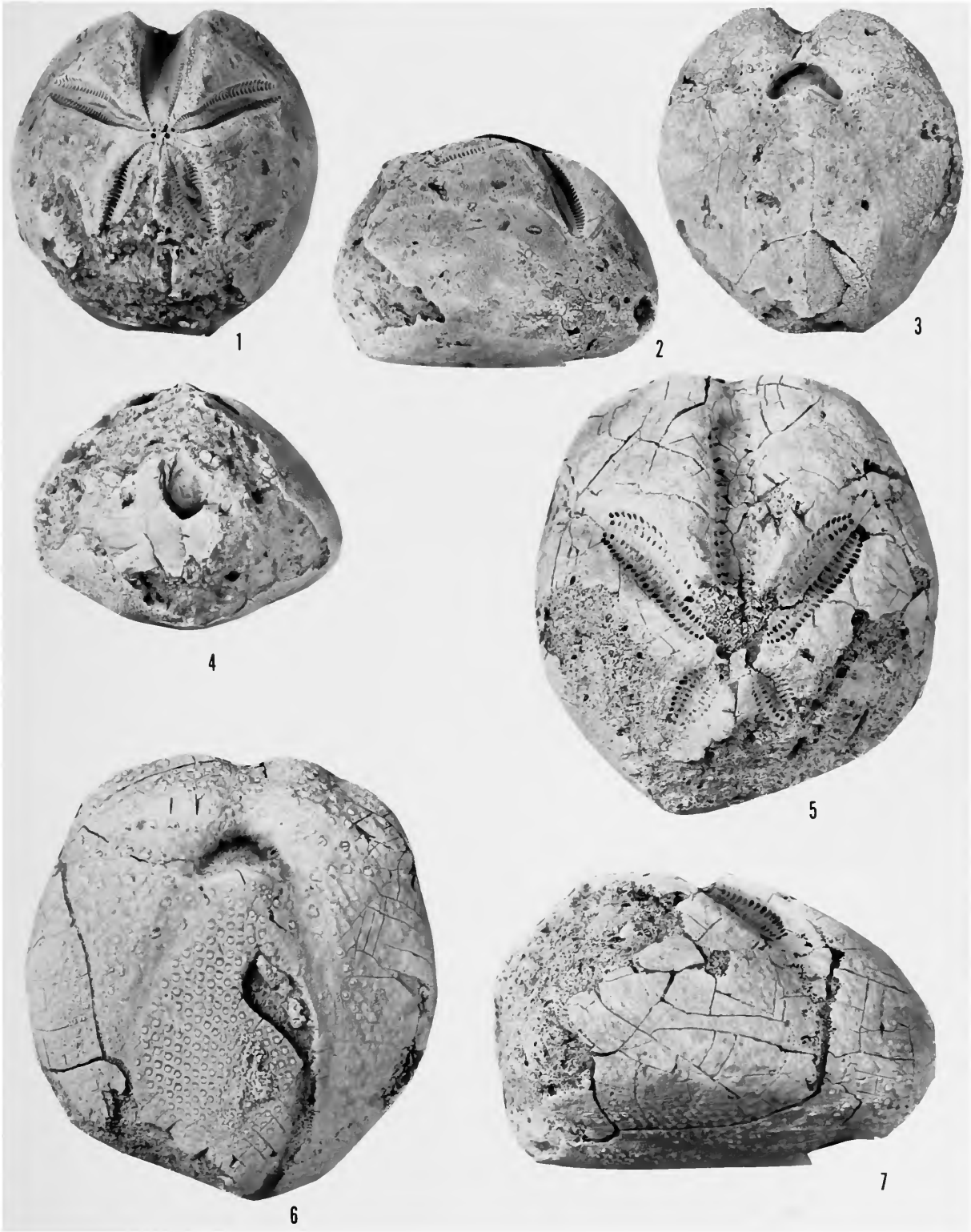


PLATE 41*Prenaster parvus* Palmer

- 1-4. Dorsal, rear, right side, and ventral views of ANSP 16649, late Eocene (Palmer loc. 1085), E of Arroyo Blanco, 150 m, in road to Majagua, Camagüey Province, Cuba, \times 2.5.
5. View of apical area and ambulacrum III in same specimen, \times 10.

Prenaster jeanneti Pijpers

- 6-8. Dorsal, right side, and ventral views of a paratype, B898, Rijksuniversiteit Utrecht, late Eocene, SW of Seroe Montagne, Bonaire, \times 2.5.

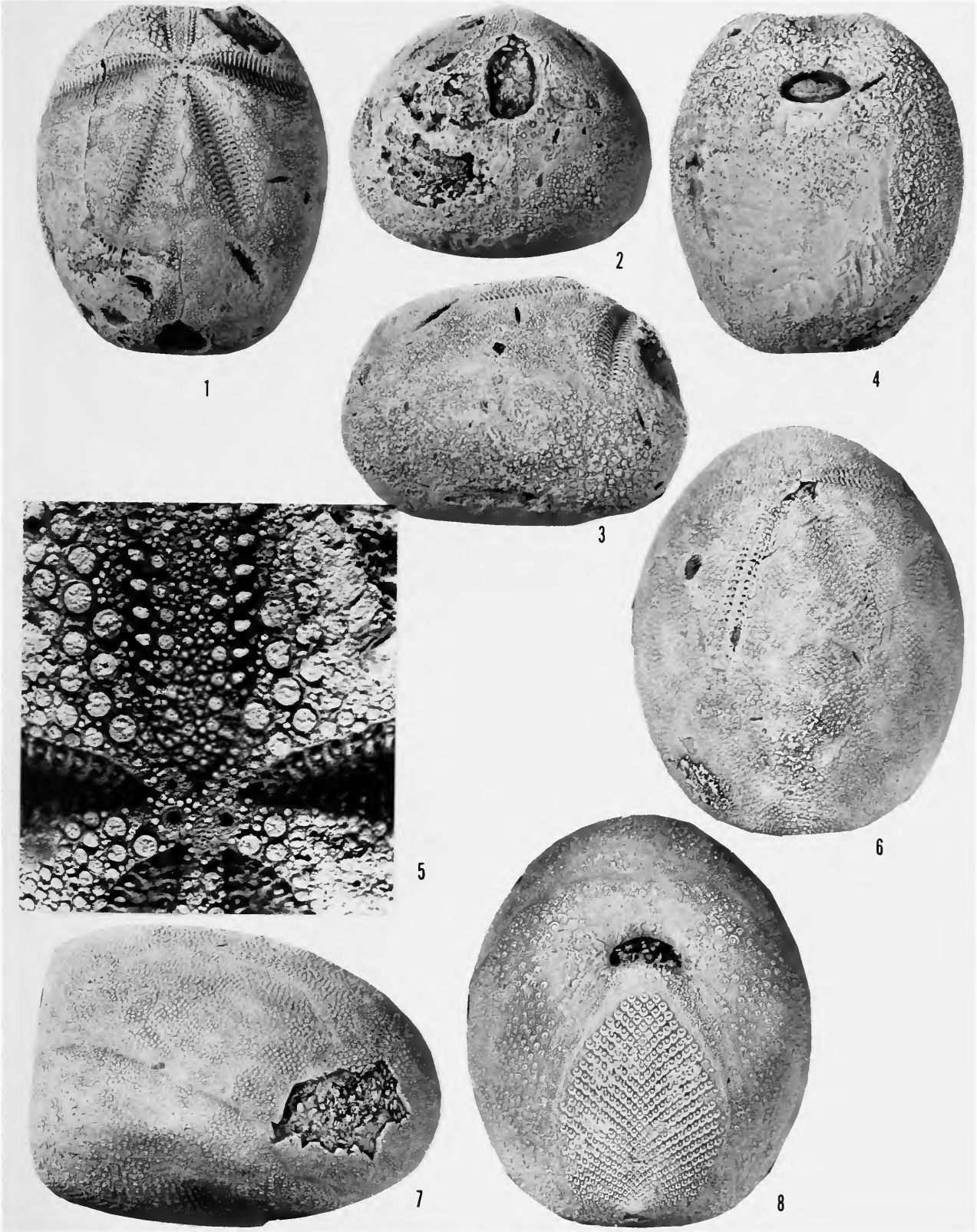


PLATE 42*Habanaster sanchezi* Lambert

- 1–4. Dorsal, rear, right side, and ventral views of lectotype, SRC 4081, late Eocene, quarry of “Consuelo” tileworks, Cerro, Cienaga, Habana Province, Cuba, $\times 3$.
- 5, 6. Dorsal and ventral views of USNM 341255, Eocene, W side Avenida de los Presidentes near University of Habana, Habana Province, Cuba, $\times 3$.

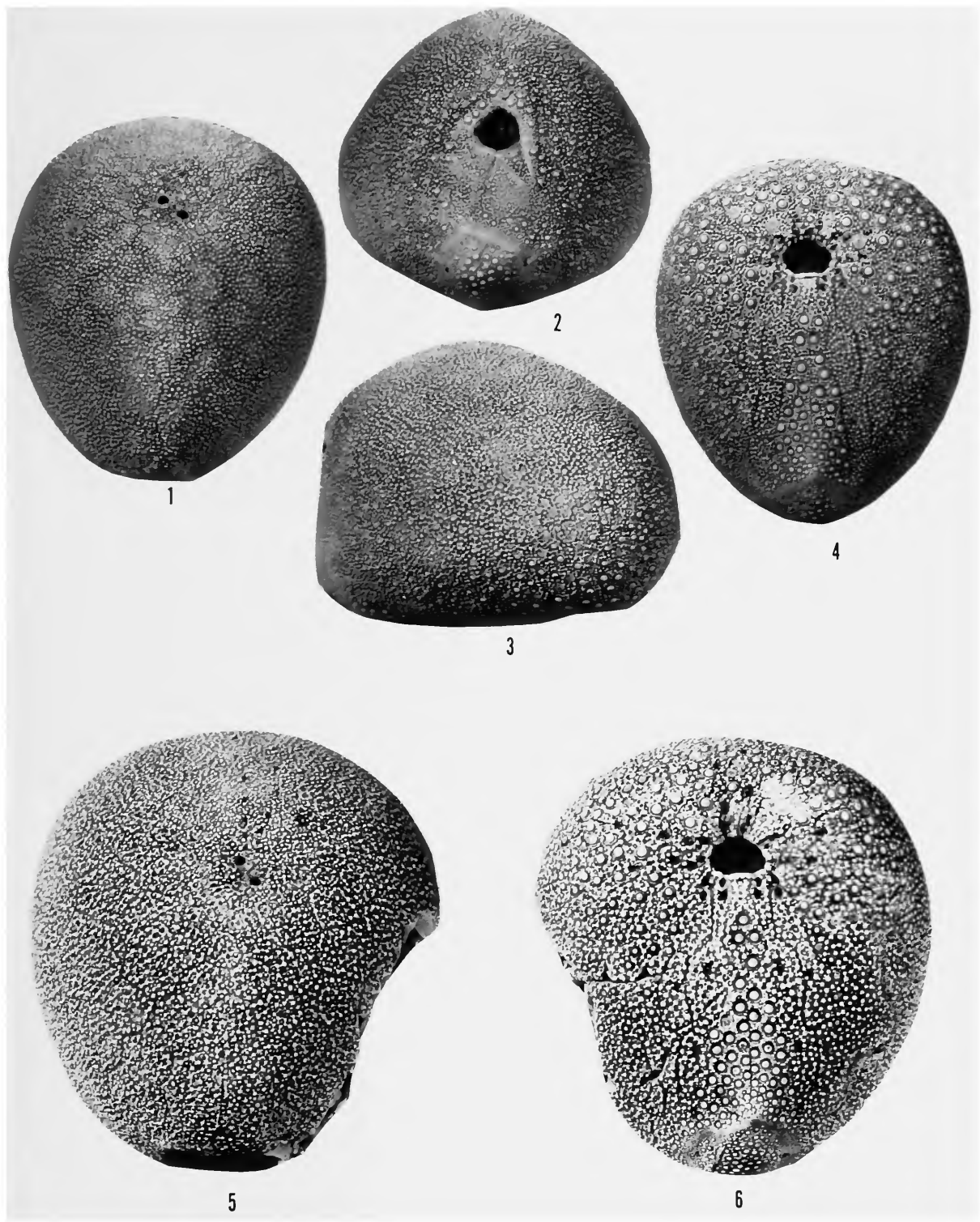


PLATE 43

Brissus cabrerai (Sánchez Roig)

- 1-3. Dorsal, ventral, and right side views of lectotype, SRC 4191, late Eocene, Armadillo farm, Marroquín district, Camagüey Province, Cuba, $\times 1$.

Brissus camagueyensis Weisbord

- 4-6. Left side, dorsal, and ventral views of holotype, PRI 3838, late Eocene, in road cut at Loma Calisto, approximately 800 m SW of the S end of town of Nuevitas, on the road leading toward Belén, Camagüey Province, Cuba, $\times 2$.

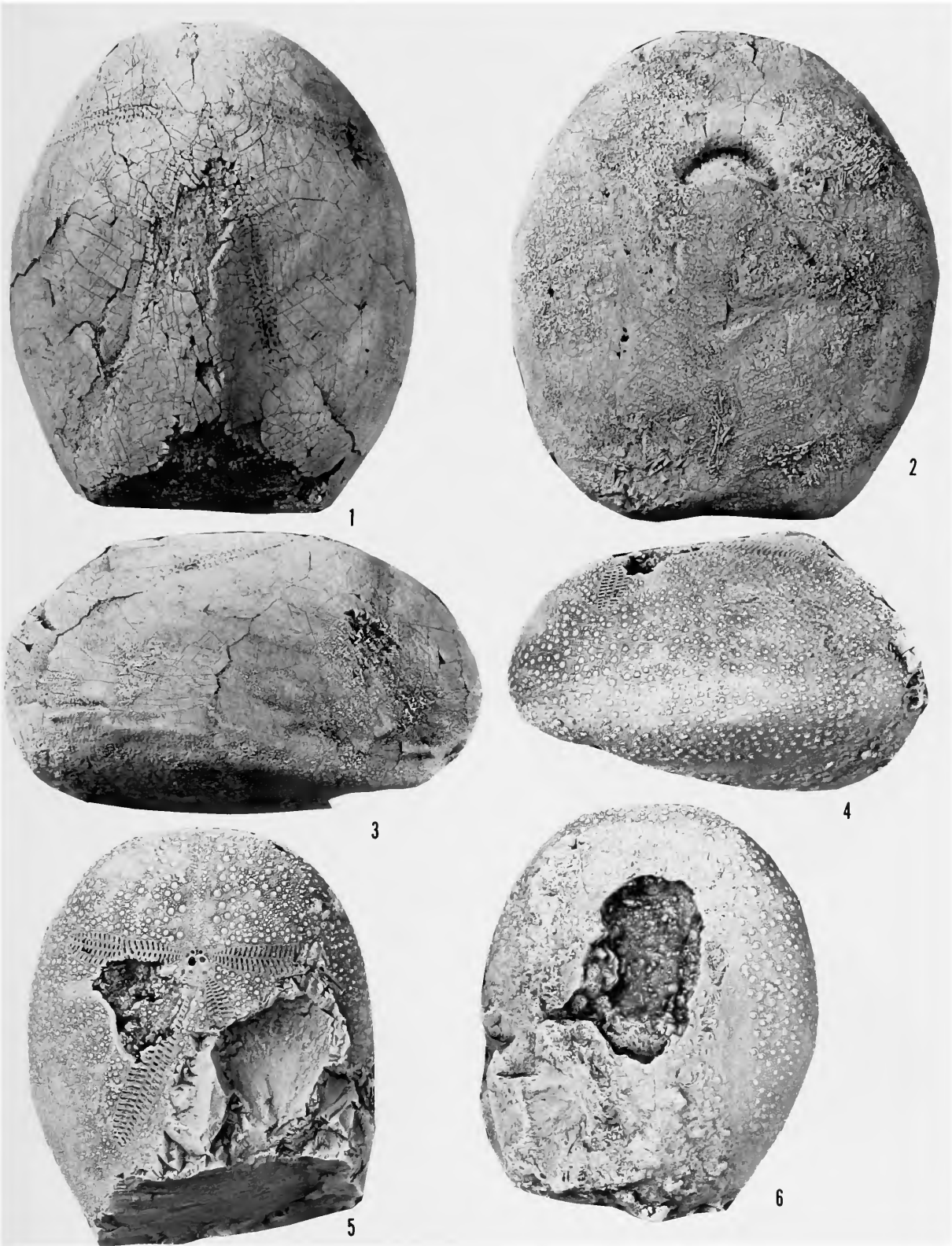


PLATE 44*Brissus caobaense* Sánchez Roig

- 1–4. Dorsal, rear, right side, and ventral views of the lectotype, SRC 4726, middle to late Eocene, Loma Caoba, San Diego de los Baños, Pinar del Rio Province, Cuba, × 1.

Brissus durhami (Sánchez Roig)

- 5–8. Dorsal, ventral, rear, and right side views of the holotype, SRC 4055, middle to late Eocene, Caraballo quarry, Loma Caoba, San Diego de los Baños, Pinar del Rio Province, Cuba, × 1.

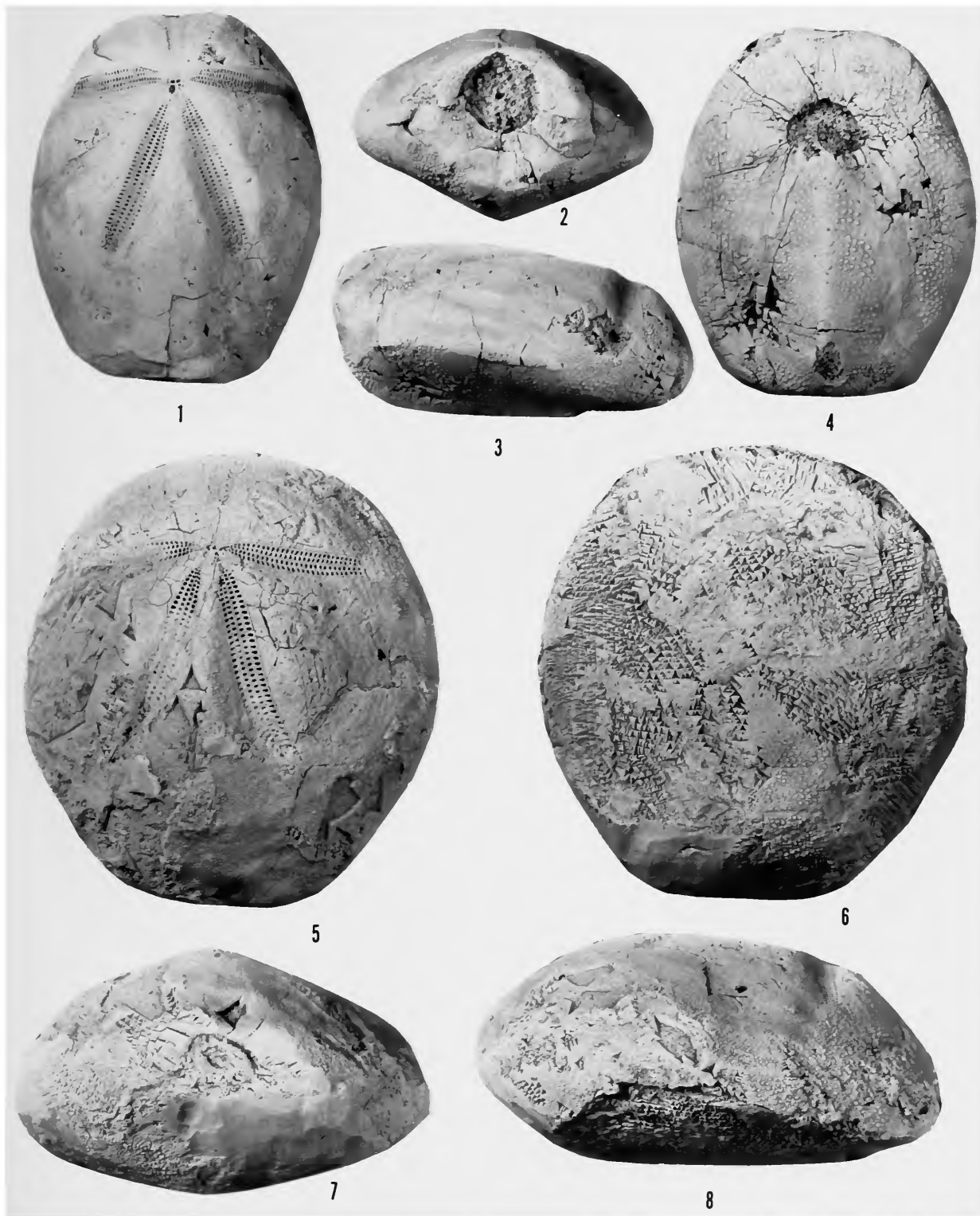


PLATE 45

Brissus minutus (Sánchez Roig)

- 1–3. Dorsal, left side, and ventral views of the holotype, SRC 4954, Oligocene-Miocene, “Santa Ana” farm, Majagua district, Ciego de Avila, Camagüey Province, Cuba, $\times 3$.

Brissopsis aguayoi Sánchez Roig

- 4–7. Dorsal, ventral, rear, and left side views of the holotype, SRC 4720, Oligocene-Miocene, “Las Cuevas de Pedro Pozo” farm, Realengo, Charco Hondo, Morón, Camagüey Province, Cuba, $\times 2$.

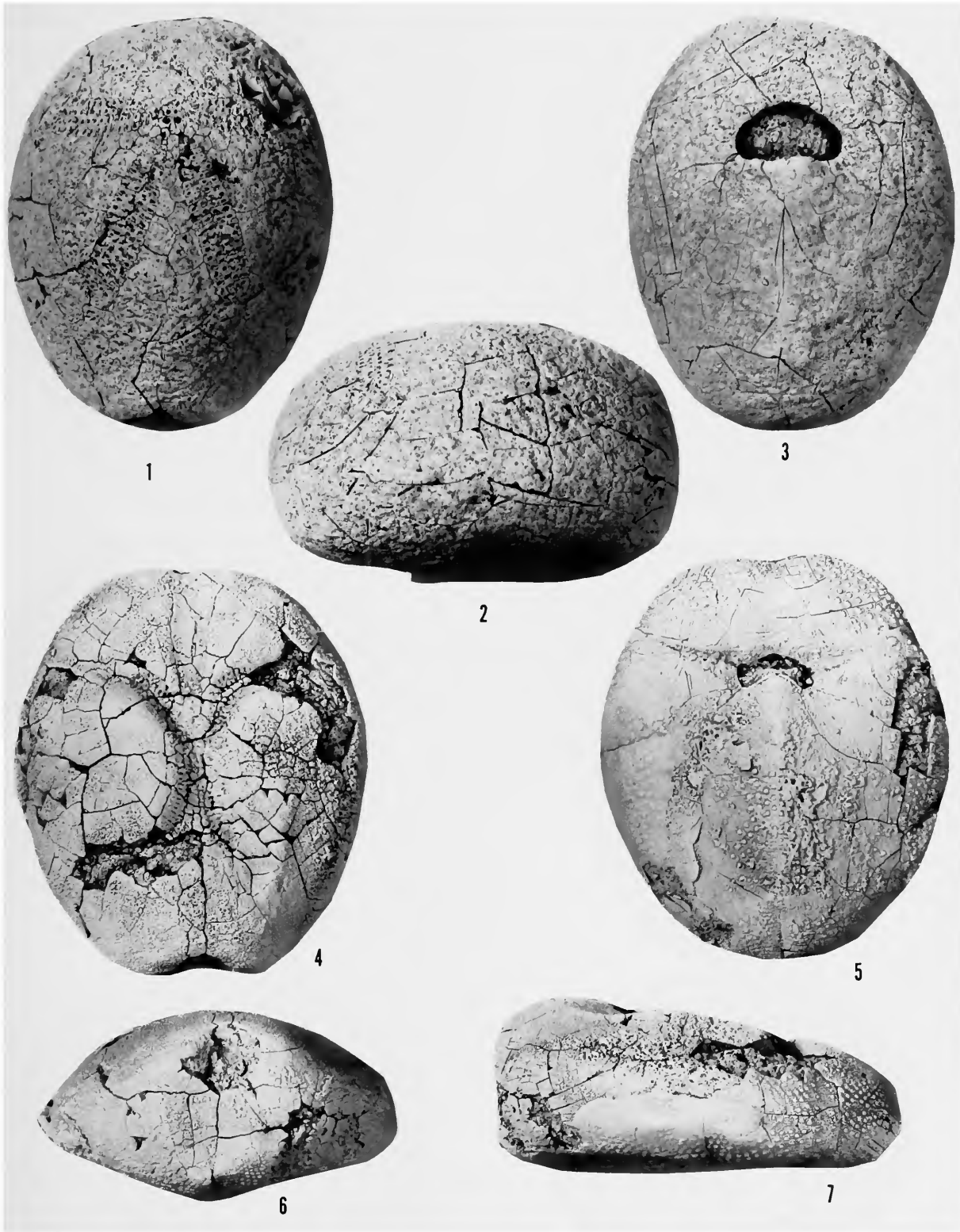


PLATE 46

Brissopsis jimenoï Cotteau

- 1, 2. Dorsal and ventral views of the lectotype, Cotteau Collection, Université Claude Bernard, Lyons, France, Miocene, Cienfuegos, San Martin, Santa Clara (now Las Villas) Province, Cuba, $\times 1$.

Cyclaster drewryensis Cooke

- 3–6. Dorsal, ventral, right side, and rear views of *Cyclaster brodermanni* Sánchez Roig (= *C. drewryensis*), ANSP 16651a, late Eocene, Palmer loc. 1640, deep cut N of Grua 9, Ramal Juan Criollo, Camagüey Province, Cuba, $\times 3$.

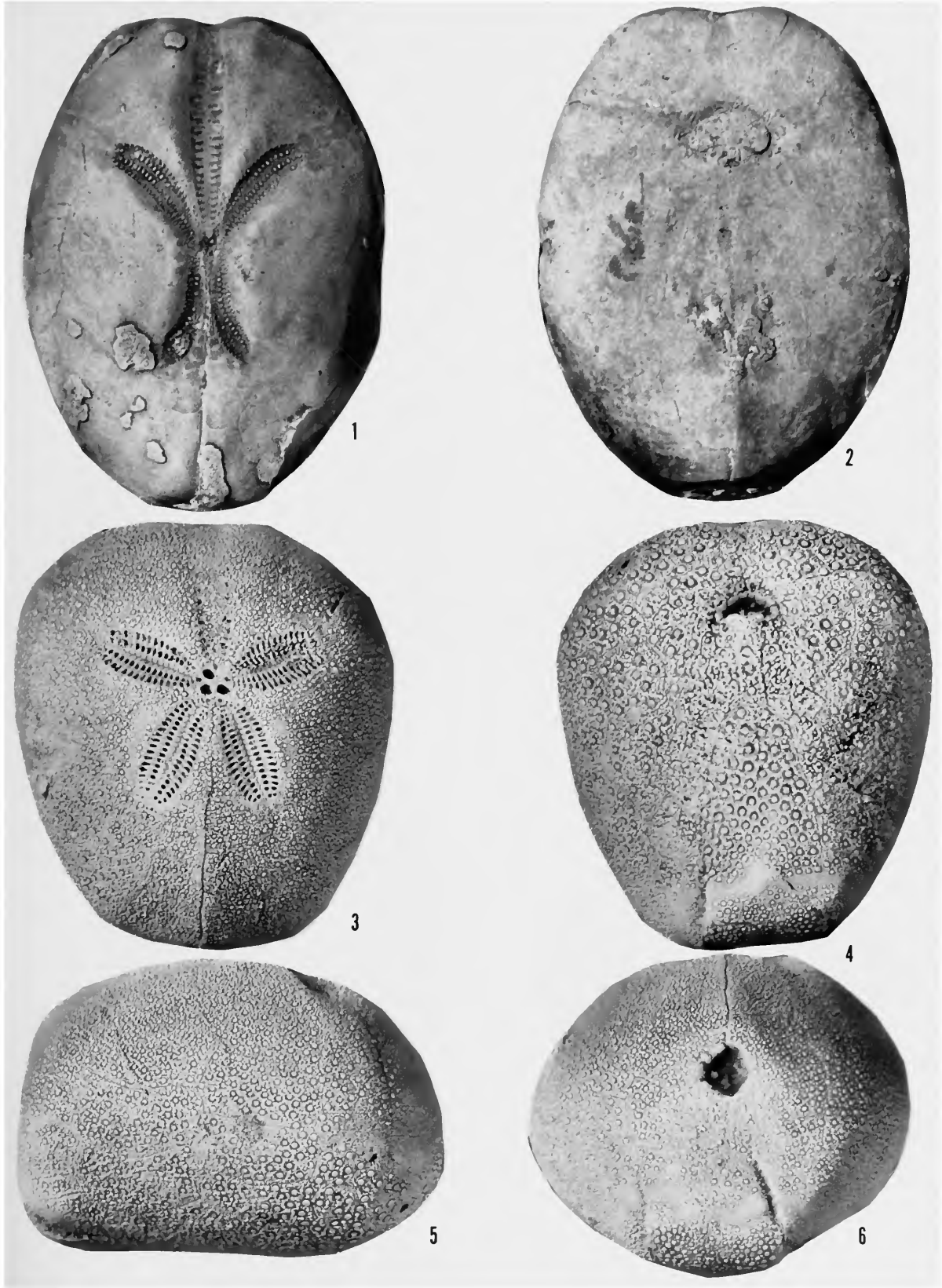


PLATE 47

Cyclaster drewryensis Cooke

- 1–4. Dorsal, ventral, right side, and rear views of topotype of *Palmeraster palmeri* Sánchez Roig (= *C. drewryensis*), UCB-A8394a, late Eocene, Finca Concepción, Morón, Camagüey Province, Cuba, × 2.
- 5, 6. Dorsal and right side of the paratype, USNM 154148, early Oligocene, Red Bluff clay, Whatley, Alabama, × 2.

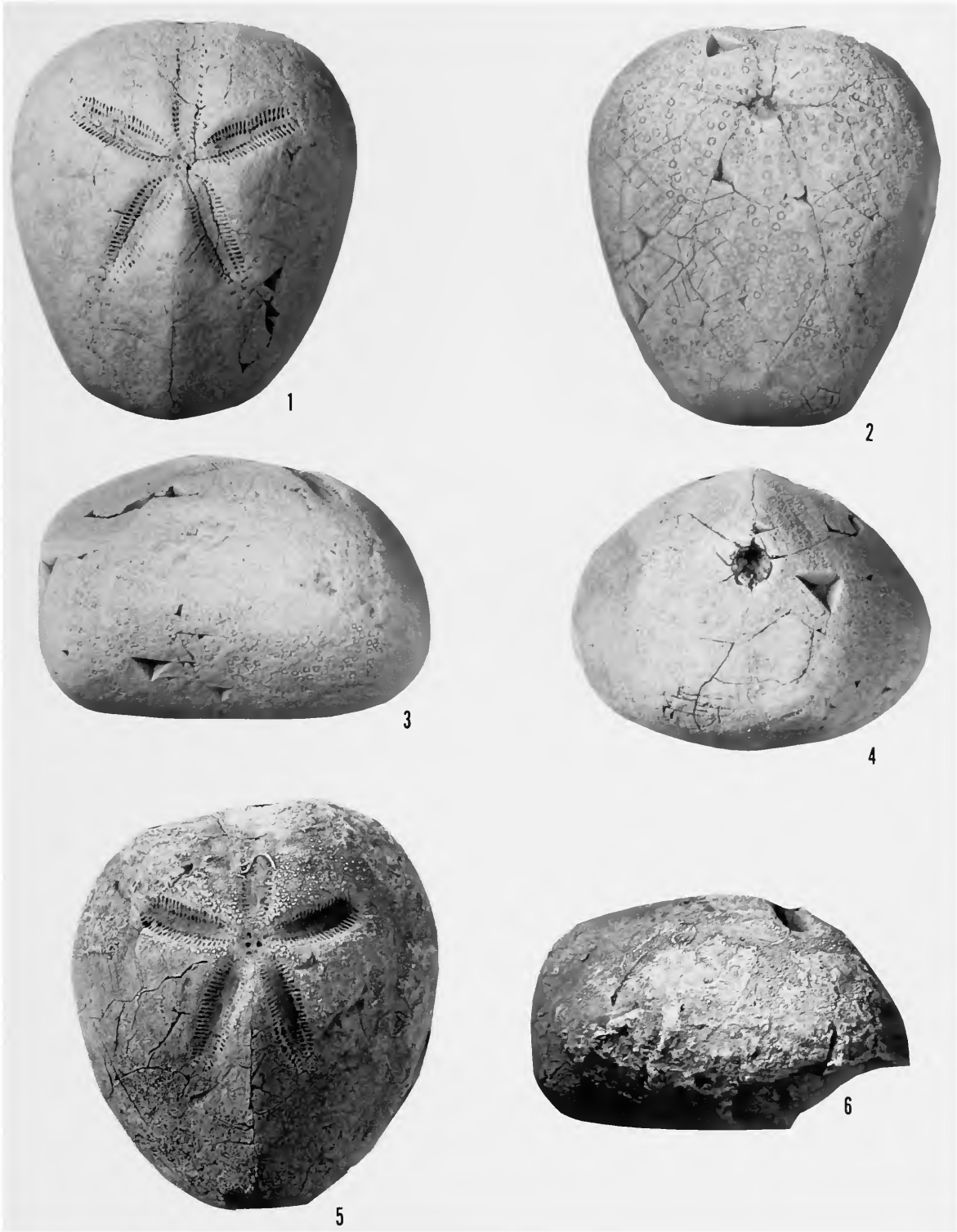


PLATE 48

Cyclaster sanchezi Lambert

- 1–3. Dorsal, ventral, and left side views of SRC 5452, late Eocene, Finca Turibacoa, Majagua district, Ciego de Avila, Morón, Camagüey Province, Cuba, \times 2.
4. Peripodia in ambulacrum III on dorsal side of same specimen, \times 30.

Macropneustes? (*Macropneustes*) *palmeri* (Sánchez Roig)

- 5–7. Dorsal, right side, ventral views of the lectotype, SRC 4032, Oligocene-Miocene, SSE of Cartagena, 1 km N side of railroad, Las Villas Province, Cuba, \times 1.

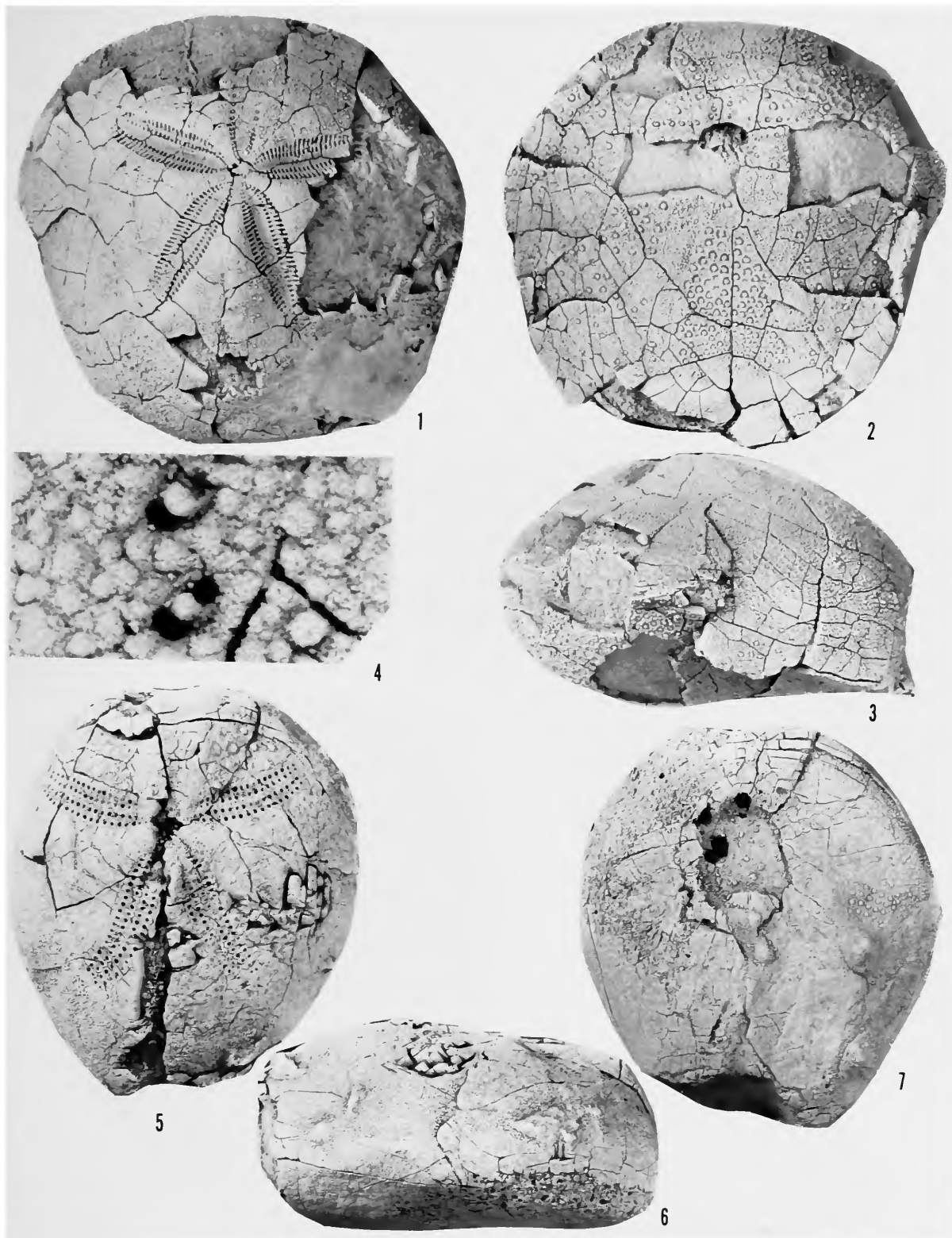


PLATE 49

Macropneustes? (*Macropneustes*) *palmeri* (Sánchez Roig)

- 1–3. Dorsal, right side, and ventral views of the paralectotype, SRC 4031, Oligocene-Miocene, SSE of Cartagena, 1 km N side of railroad, Las Villas Province, Cuba, \times 1.

Macropneustes? (*Macropneustes*) *cubensis* Cotteau

4. Dorsal view of holotype, Cotteau Collection, Université Claude Bernard, Lyons, France, Miocene, San Martin, Cuba, \times 1.

Macropneustes (*Deakia*) *armadilloensis* Sánchez Roig

- 5, 6. Dorsal and right side views of topotype, SRC 4262, late Eocene, “Armadillo” farm, Marroquin, Morón, Camagüey Province, Cuba, \times 1.5.



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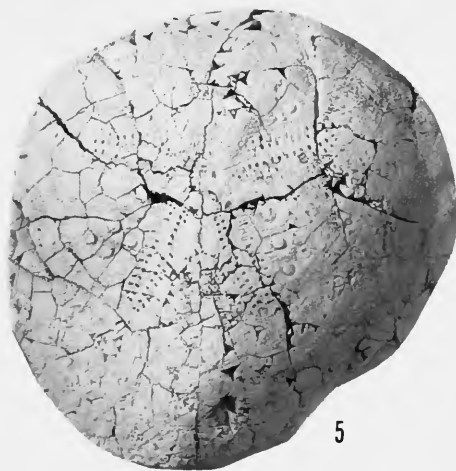
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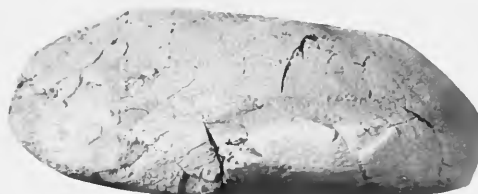
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PLATE 50*Macropneustes (Deakia) armadilloensis* Sánchez Roig

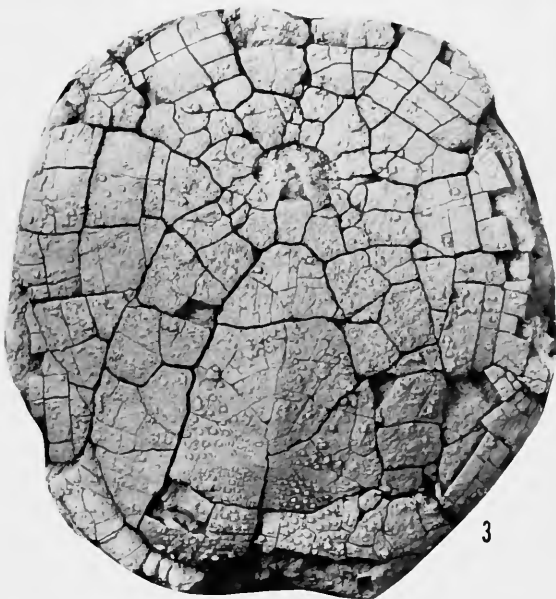
- 1–3. Dorsal, right side, and ventral views of the lectotype, SRC 4263, late Eocene, “Armadillo” farm, Marroquín, Morón, Camagüey Province, Cuba, $\times 1.5$.

Meoma? brodermanni (Sánchez Roig)

- 4–6. Dorsal, right side, and ventral views of the holotype, SRC 4121, age uncertain, locality uncertain but perhaps from Casa Rabelo, Pinar del Rio Province, Cuba, $\times 0.75$.



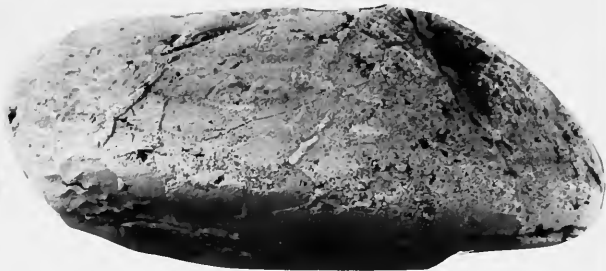
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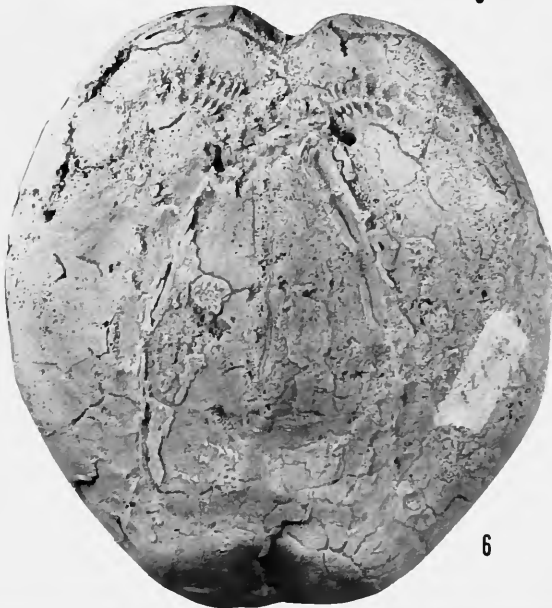
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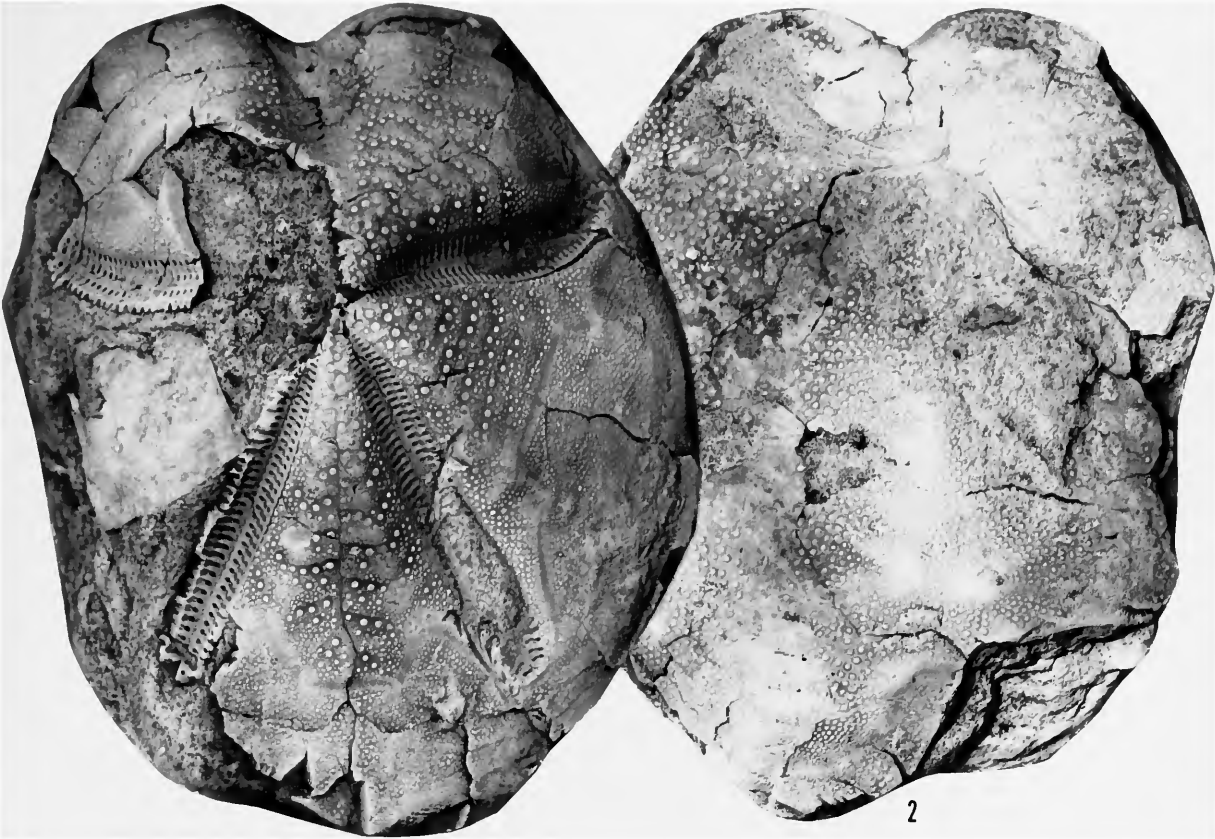
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PLATE 51*Meoma antillarum* (Cotteau)

- 1-3. Dorsal, ventral, and right side views of the lectotype, Cotteau Collection, Université Claude Bernard, Lyons, France, age and locality uncertain, $\times 1$.



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PLATE 52

Meoma? gomezmazae (Sánchez Roig)

- 1–3. Dorsal, right side, and ventral views of the holotype, SRC 4101, Oligocene-Miocene, Matanzas, Matanzas Province, Cuba, \times 1.

Fernandezaster mortenseni Sánchez Roig

- 4, 5. Rear and right side views of the holotype, SRC 4240, Oligocene-Miocene, in well on “Balbín” farm, San Pedro Bauta, Habana Province, Cuba, \times 0.75. (See also Plate 53.)

Lajanaster jacksoni Lambert and Sánchez Roig

6. Right side of a topotype, USNM 352866, Miocene, “Cervantes” farm, San José de las Lajas, Habana Province, Cuba, \times 1. (See also Plate 53.)



PLATE 53

Fernandezaster mortenseni Sánchez Roig

- 1, 2. Dorsal and ventral views of the holotype, SRC 4240, Oligocene-Miocene, in well on "Balbin" farm, San Pedro Bauta, Habana Province, Cuba, $\times 0.75$. (See also Plate 52.)

Lajanaster jacksoni Lambert and Sánchez Roig

- 3, 4. Ventral and dorsal views of a topotype, USNM 352866, Miocene "Cervantes" farm, San José de las Lajas, Habana Province, Cuba, $\times 1$. (See also Plate 52.)

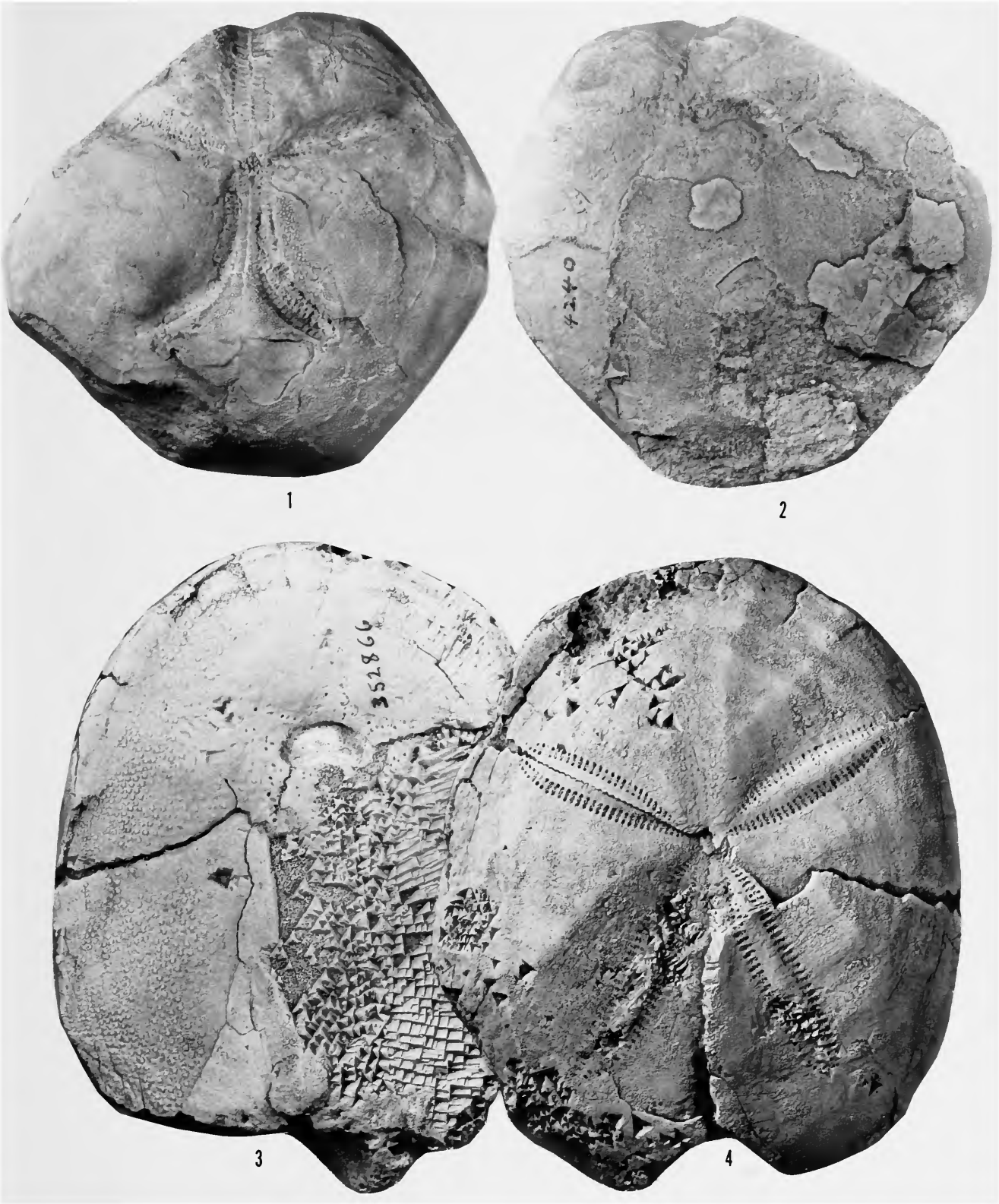


PLATE 54*Eupatagus alatus* Arnold and Clark

- 1-3. Dorsal, right side, and ventral views, USNM 341256, middle to late Eocene, Loma Caoba, San Diego de los Baños, Pinar del Rio Province, Cuba, $\times 1$.
- 4, 5. Dorsal and rear views, USNM 341257, from same locality, $\times 1$.
6. Apical system, USNM 341256, same specimen as in figures 1-3 above, $\times 11$.
7. Petal I, USNM 341258, from same locality, $\times 2$.

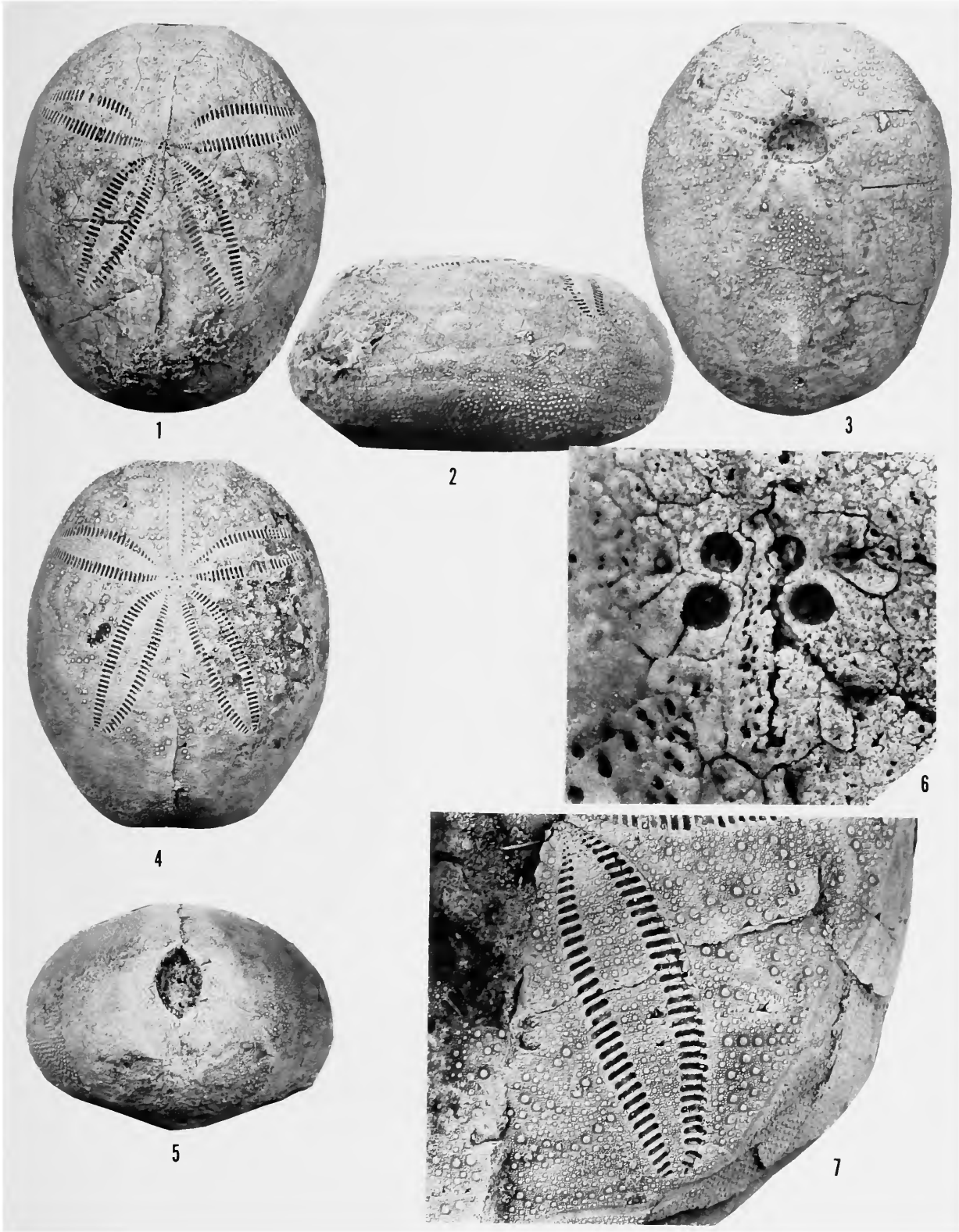


PLATE 55

Eupatagus alatus Arnold and Clark

- 1, 2. Dorsal and ventral views, USNM 341259, Eocene, W of Springfield towards Seven Rivers, St. James Parish, Jamaica, \times 1.5.

Eupatagus cubensis (Cotteau)

- 3, 4. Dorsal and ventral views of holotype in Cotteau Collection, Université Claude Bernard, Lyons, France, Matanzas, Cuba, \times 1.
5. Right side of holotype of *Maretia estenozi* Sánchez Roig (= *E. cubensis*) SRC 5491, Miocene, "Cervantes" farm, San José de Las Lajas, Habana Province, Cuba, \times 1. (See also Plate 56.)

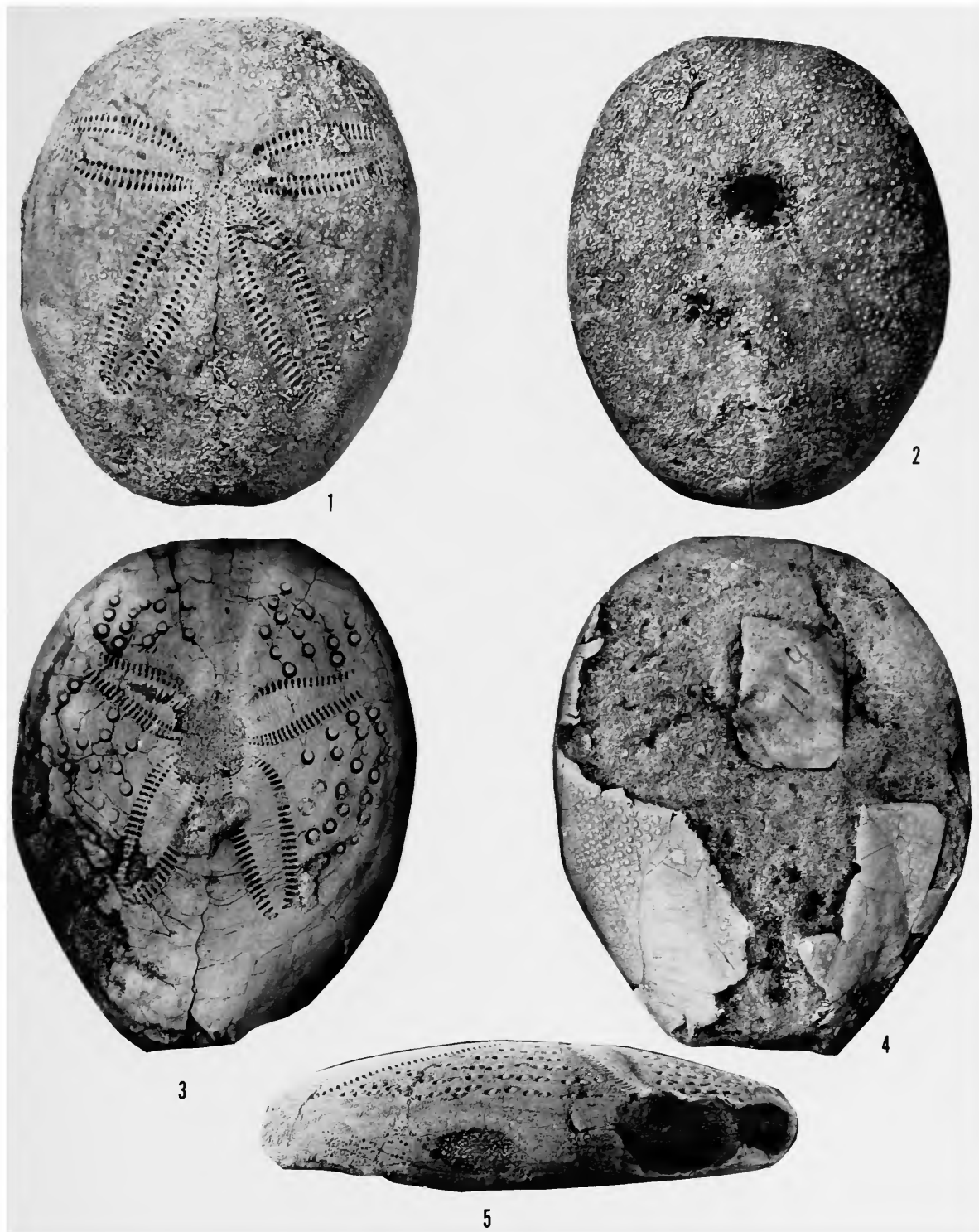


PLATE 56

Eupatagus cubensis (Cotteau)

- 1, 2. Dorsal and ventral views of holotype of *Maretia estenosi* Sánchez Roig (= *E. cubensis*), SRC 5491, of Miocene, "Cervantes" farm, San José de las Lajas, Habana Province, Cuba, $\times 1$. (A side view of this specimen is on Plate 55.)
- 3–5. Dorsal, right side, and ventral views, MCZ 4044, Oligocene-Miocene, Palmer loc. 1660, long cuts of switch on Ramal Valle, Central Jatibonico, cane railroad, Camagüey Province, Cuba, $\times 1$.

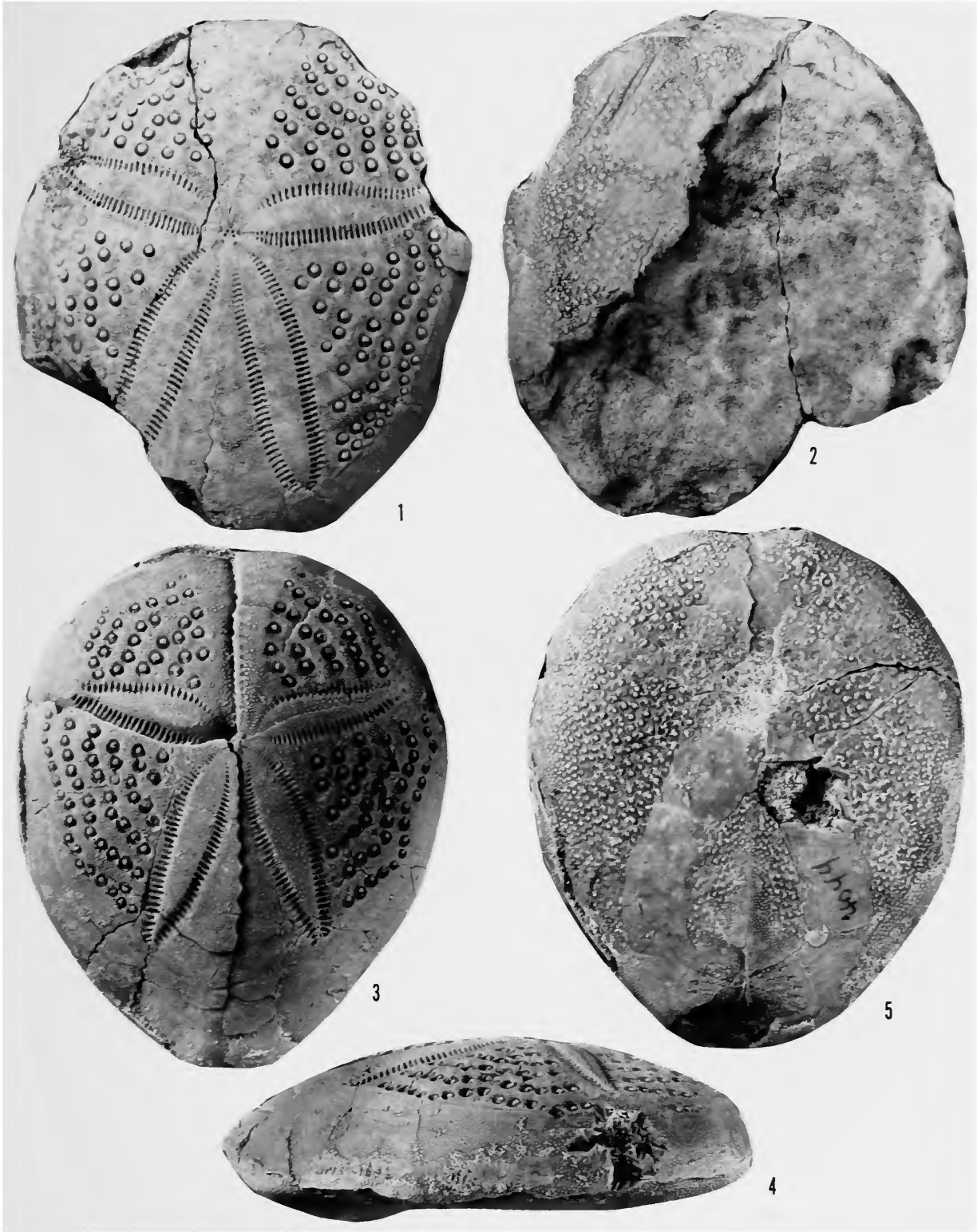


PLATE 57

Eupatagus cubensis (Cotteau)

- 1-3. Dorsal, ventral, and right side of hypotype of *?Brissoides munozi* Lambert (= *?E. cubensis*) USNM 352863, Miocene "Cervantes" farm, San José de las Lajas, Habana Province, Cuba, $\times 1$.
4. Dorsal view of topotype of *Brissoides munozi* Lambert (= *?E. cubensis*), SRC 5497, Miocene, "Cervantes" farm, San José de las Lajas, Habana Province, Cuba, $\times 1$.
5. Dorsal view of the holotype of *Eupatagus depressus* Jackson (= *E. cubensis*) AMNH 18573, Miocene, Ponce Limestone at a high bluff, 2 km SW of Juana Diaz, Puerto Rico, $\times 1$.

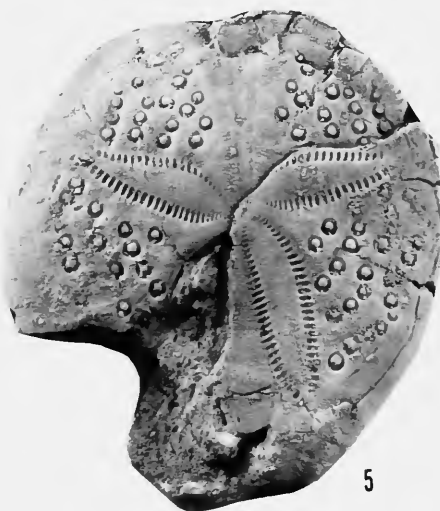
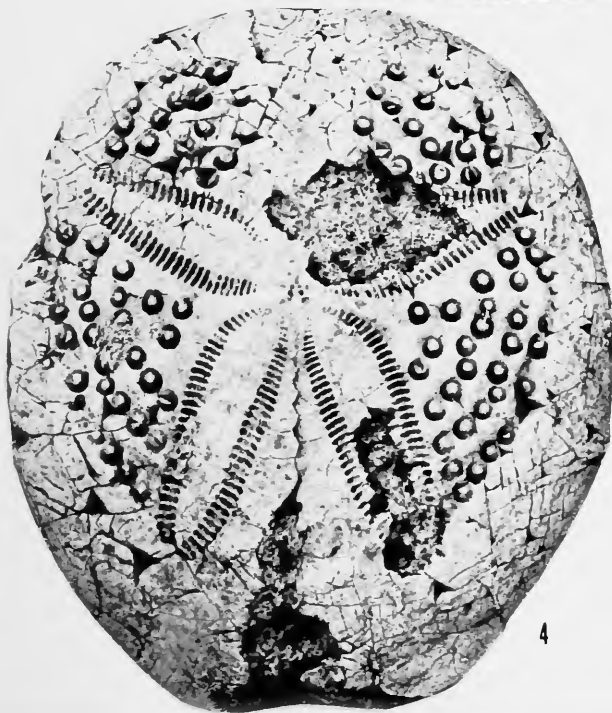
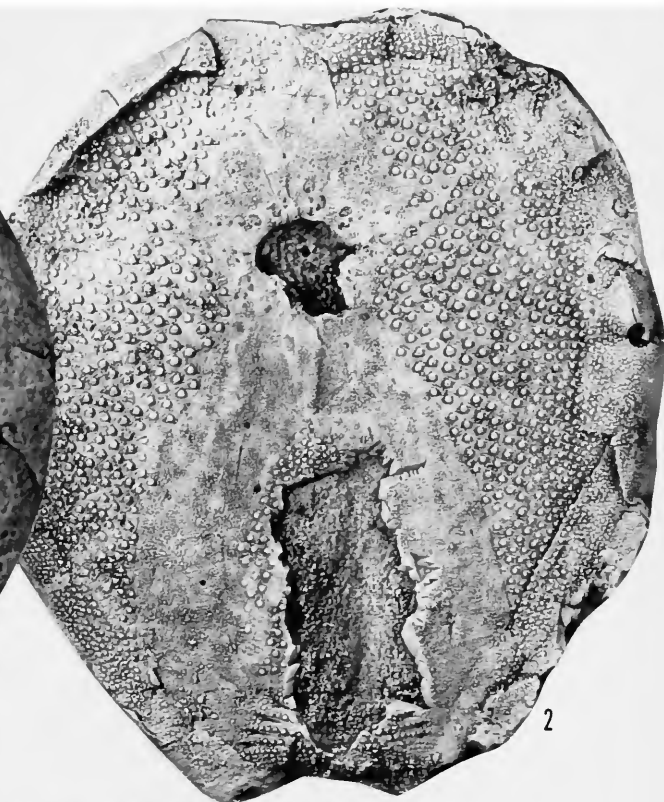
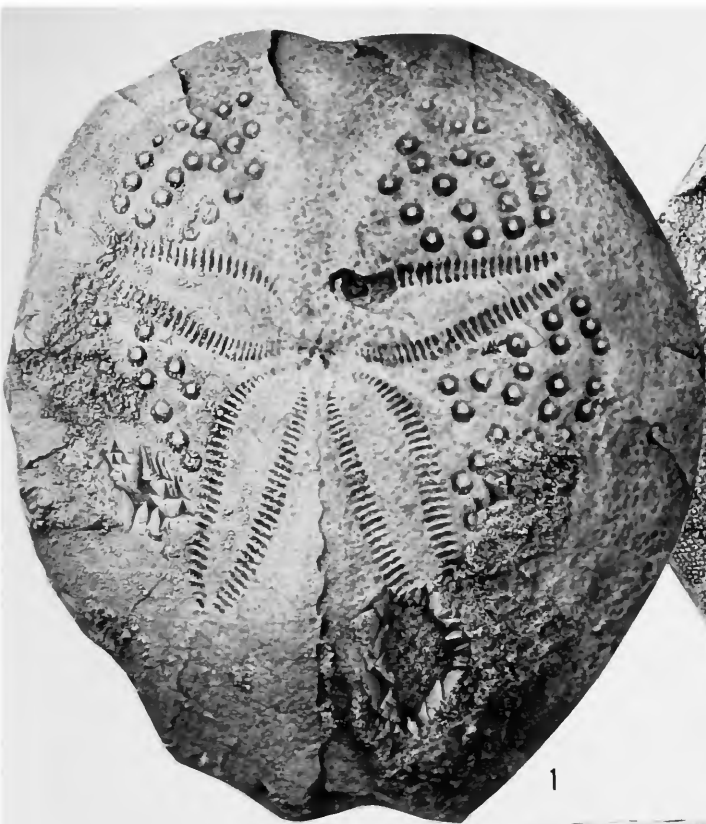


PLATE 58

Eupatagus sanchezi (Lambert)

- 1-3. Dorsal, left side, and ventral views of holotype, SRC 4765, Miocene, "La Noria" farm, Cojimar, Habana Province, Cuba, $\times 2$.

Eupatagus santanae Sánchez Roig

- 4-7. Right side, rear, dorsal, and ventral views of lectotype, SRC 4306, Oligocene-Miocene, "Santa Inés" farm, Guadalupe, district, Morón, Camagüey Province, Cuba, $\times 1$.

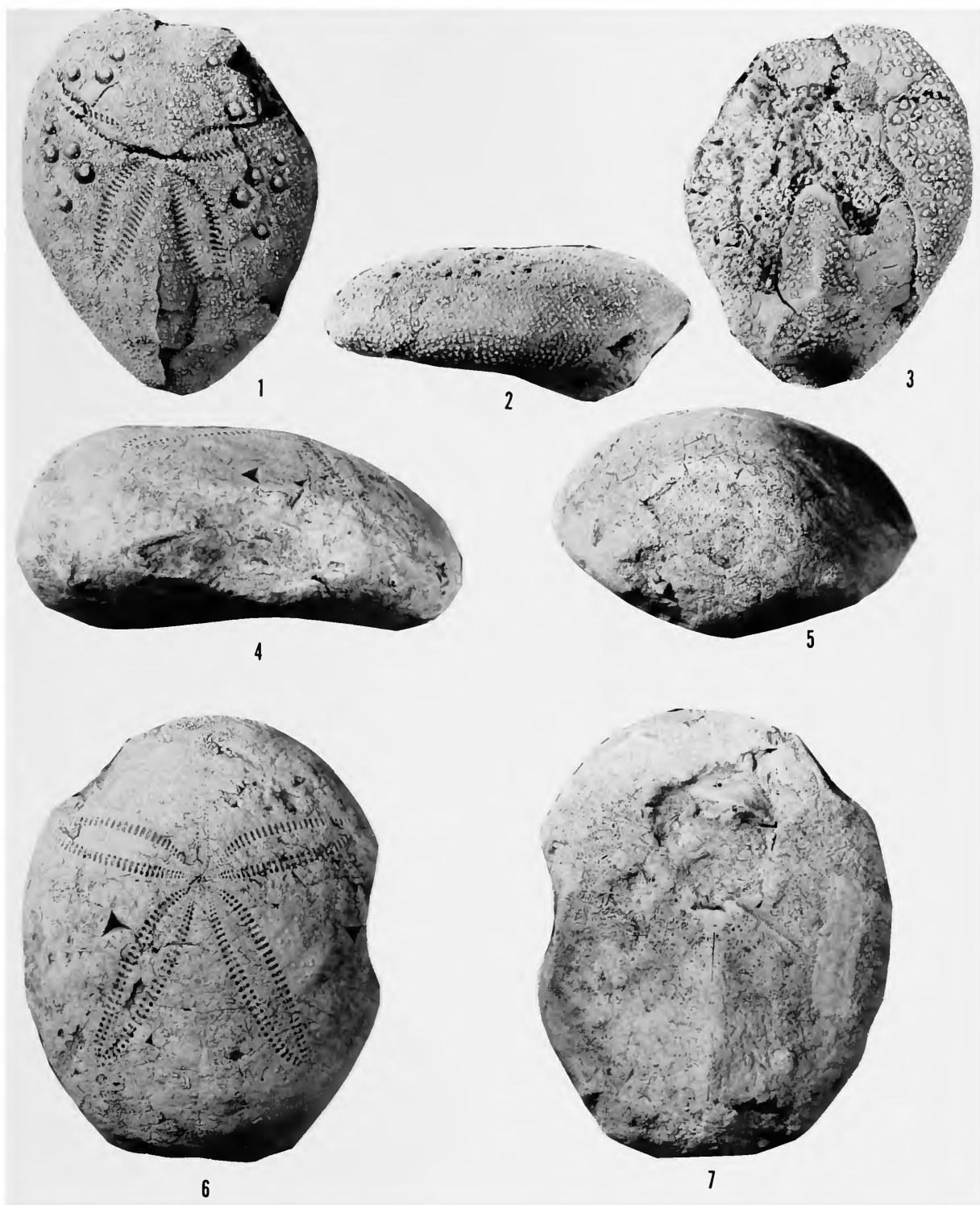


PLATE 59

Eupatagus siboneyensis Weisbord

- 1, 2. Dorsal and ventral view of the paratype, PRI 898F, late Eocene, road cut at Loma Calisto, approximately 800 m SW of the S end of the town of Nuevitas, on the road leading toward Belén, Camagüey Province, Cuba, $\times 2$.
3. Ventral view of holotype, PRI 3836, same locality as above, $\times 1.5$.

Eupatagus turibacoensis Sánchez Roig

- 4-7. Dorsal, ventral, rear, and right side views of holotype, SRC 4050, late Eocene, "Turibacoa" farm, Marroquín, Morón, Camagüey Province, Cuba, $\times 1$.

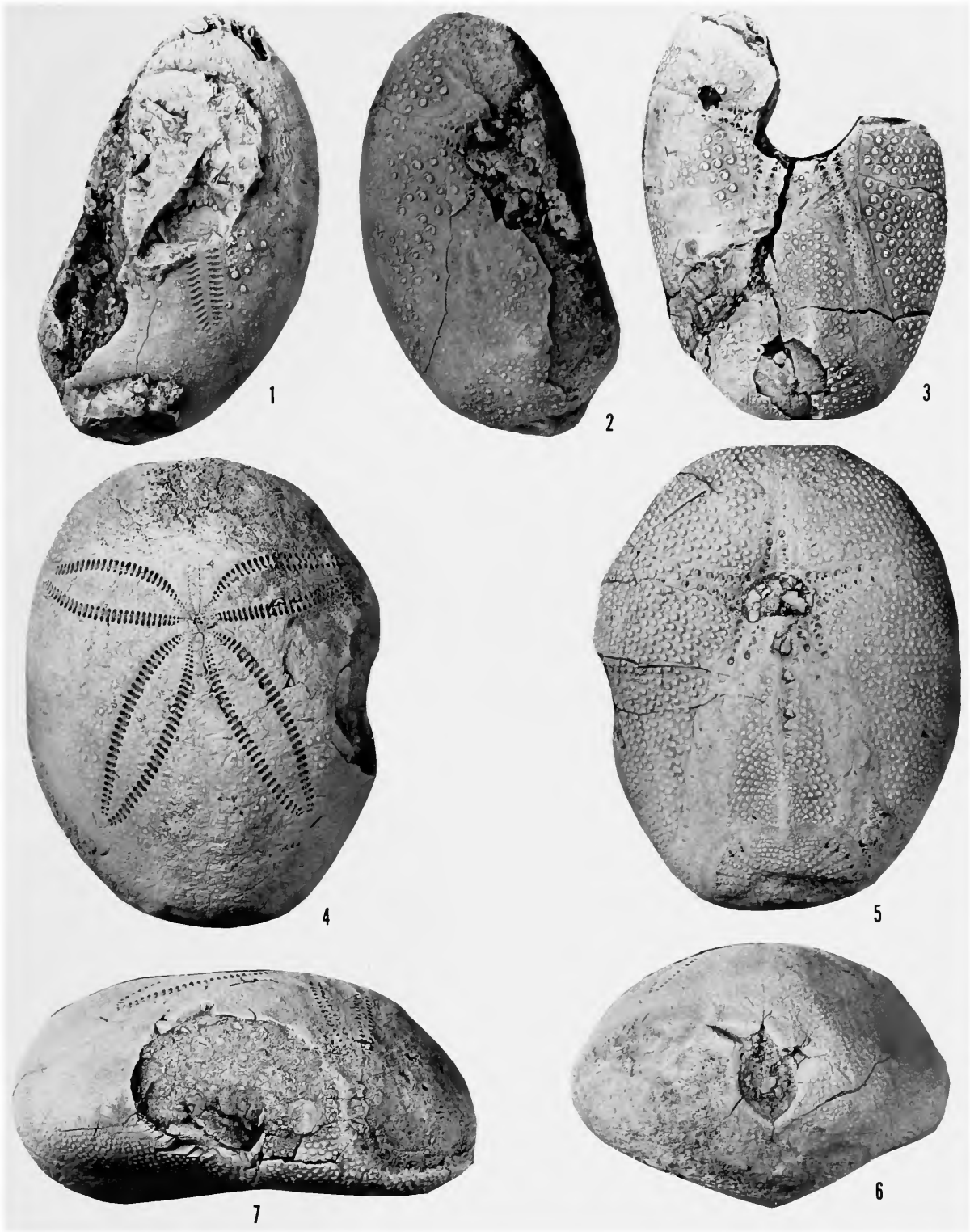
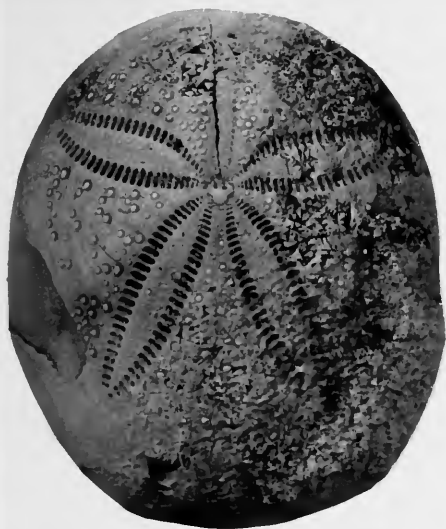


PLATE 60

Eupatagus turibacoensis Sánchez Roig

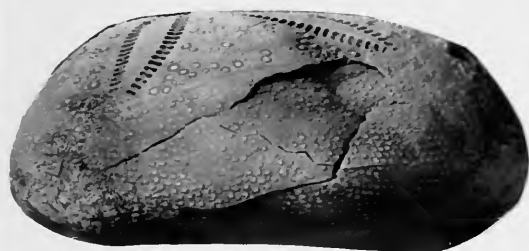
- 1-3. Dorsal, left side, and ventral views of holotype of ?*Eupatagus calistoides* Sánchez Roig (= *E. turibacoensis*), SRC 4774, late Eocene, "Turibacoa" farm, Marroquín, Morón, Camagüey Province, Cuba, $\times 1.5$.
- 4-6. Dorsal, right side, and ventral views, of holotype of ?*Megapatus turibacoensis* Sánchez Roig (= *E. turibacoensis*), SRC 4173, late Eocene, same locality as above, $\times 1$.



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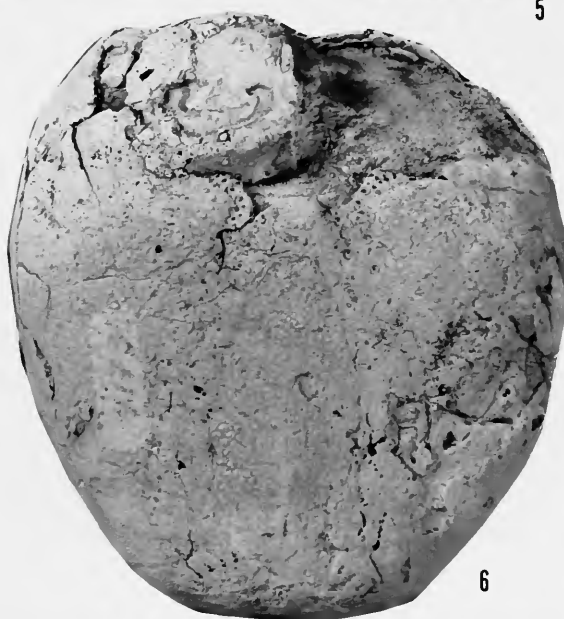
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PLATE 61

Eupatagus antillarum (Cotteau)

- 1, 2. Dorsal and ventral views of the lectotype, USNM 207225 (formerly 115395), Eocene, St. Bartholomew Limestone, St. Bartholomew, $\times 2$.

Eupatagus clevei (Cotteau)

3. Dorsal view of holotype, USNM 207223, Eocene, St. Bartholomew, $\times 1$.
4. Dorsal view of holotype of *Eupatagus grandiflorus* (Cotteau) (= *E. clevei*), USNM 207222, Eocene, St. Bartholomew, $\times 1$.
5, 6. Dorsal and left side views of holotype of *Zanolettia* *herreræ* Sánchez Roig (= ? *E. clevei*, SRC 4070, Oligocene-Miocene, "La Venturilla" farm, Realengo, Charco Hondo, Marroquín district, Morón, Camagüey Province, Cuba, $\times 0.75$.

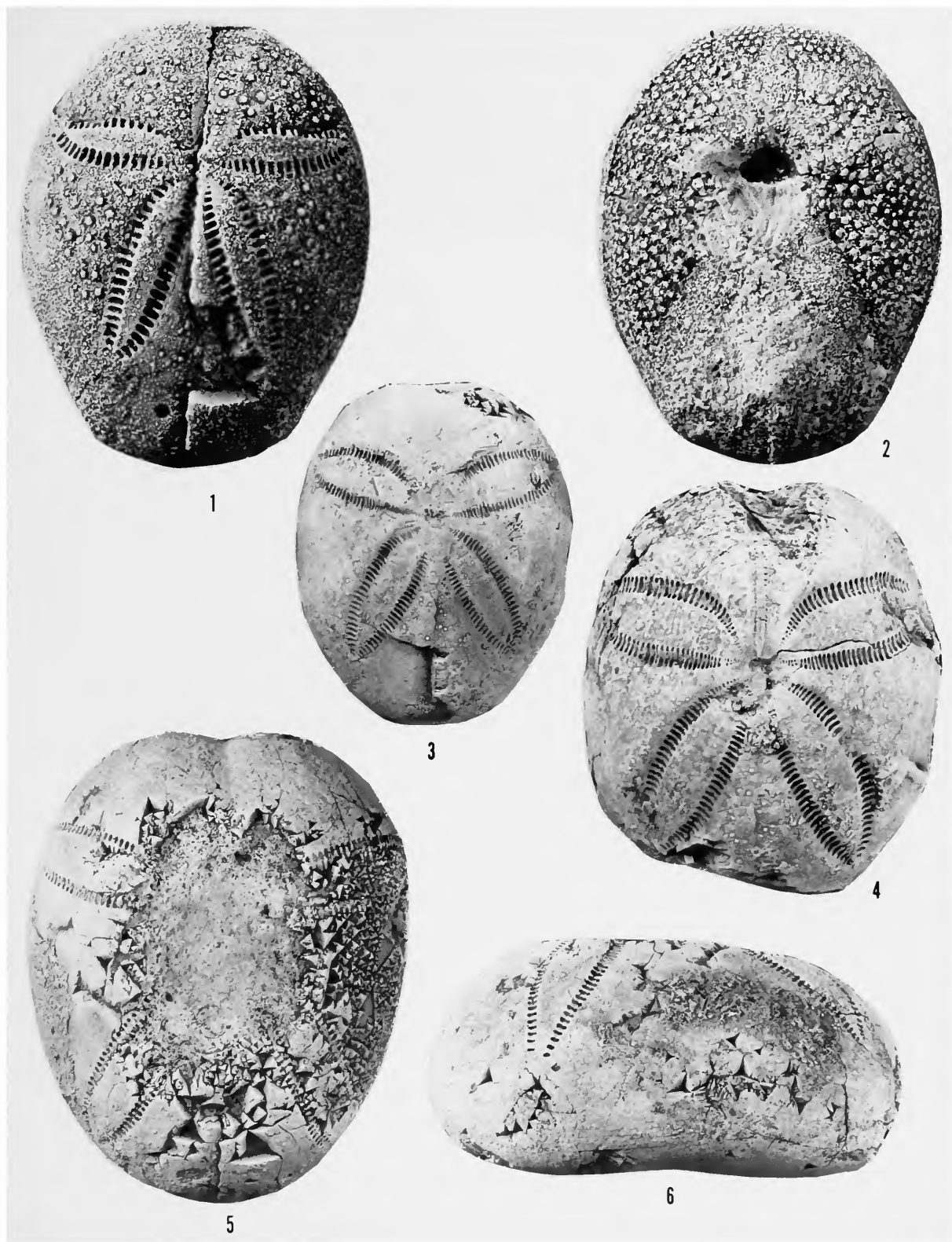


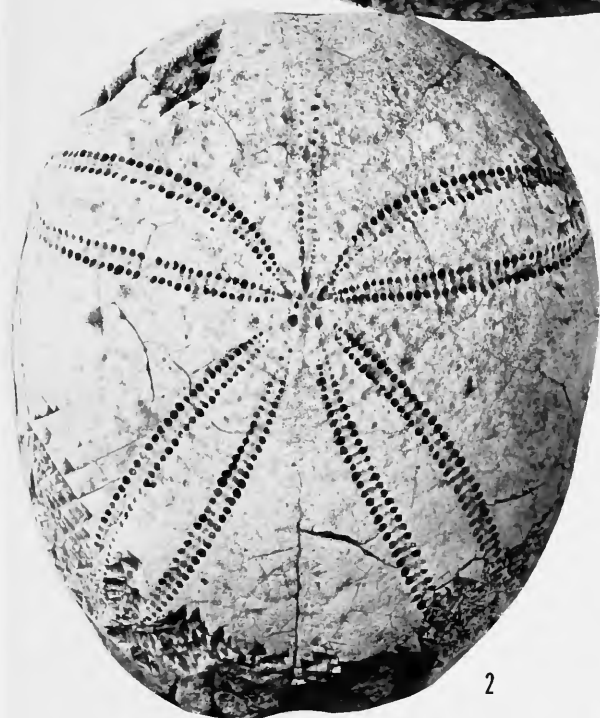
PLATE 62

Eupatagus clevei (Cotteau)

- 1, 2. Right side and dorsal views of lectotype of *Eupatagus venturillae* Sánchez Roig (= ? *E. clevei*), SRC 4027, Oligocene-Miocene, probably from "La Venturilla" farm, Relengo, Charco Hondo, Morón, Camagüey Province, Cuba, × 1.
- 3-6. Dorsal, ventral, right side, and rear views of lectotype of *Eupatagus brevipetalum* Sánchez Roig (= ? *E. clevei*), SRC 4094, Oligocene-Miocene, "La Venturilla" farm, Realengo, Charco Hondo, Morón, Camagüey Province, Cuba, × 1.



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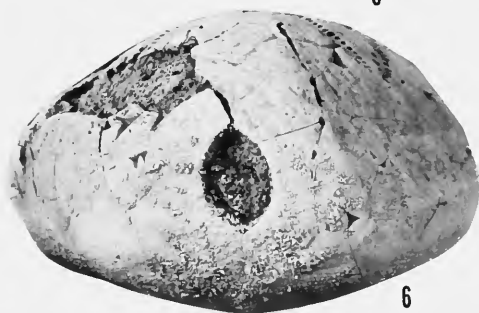
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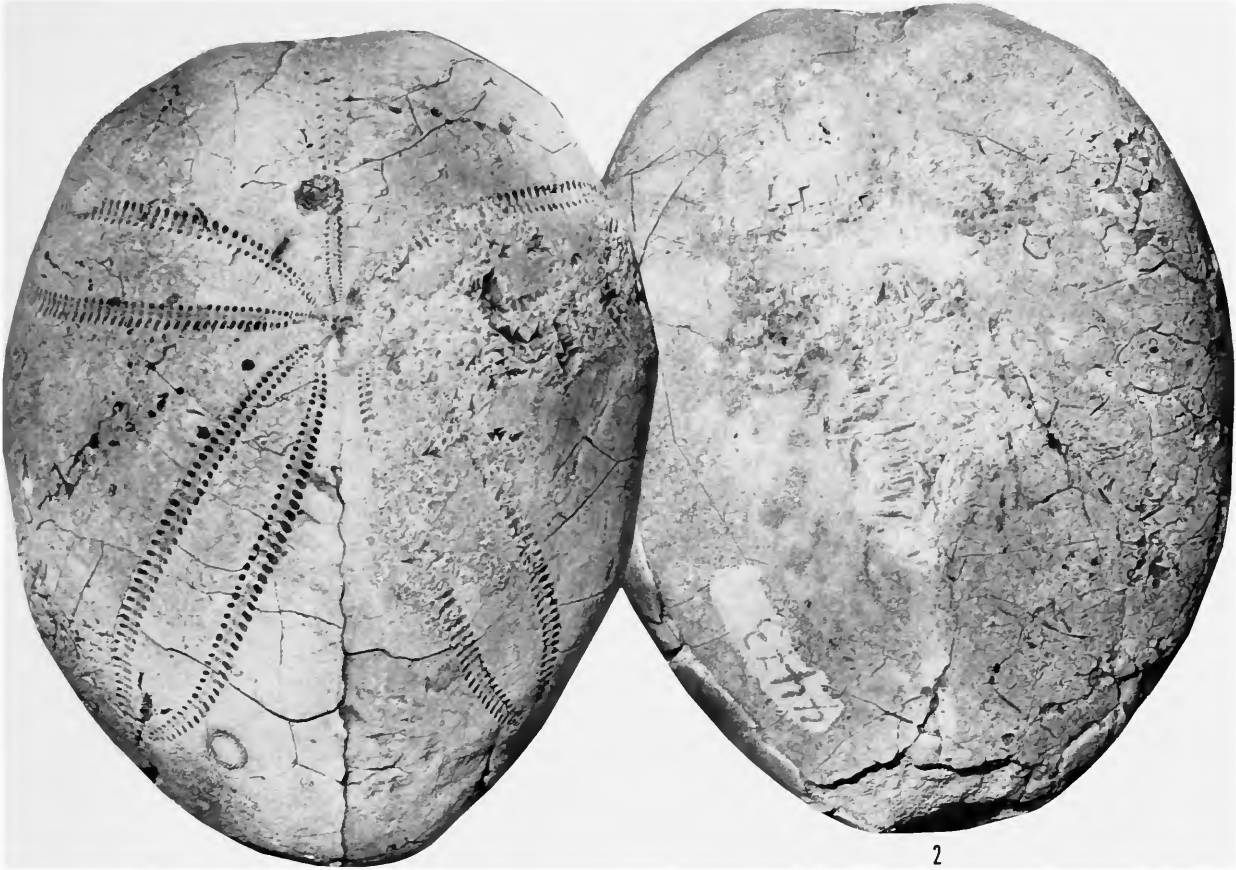
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PLATE 63

Eupatagus clevei (Cotteau)

- 1-3. Dorsal, ventral, and right side views of holotype of *Megapatagus franciscanus* Sánchez Roig (= *E. clevei*), SRC 4473, Oligocene-Miocene, "San Francisco de la Rosa" farm, Guadalupe district, Morón, Camagüey Province, Cuba, $\times 1$.

(Photograph reduced to 90 percent.)



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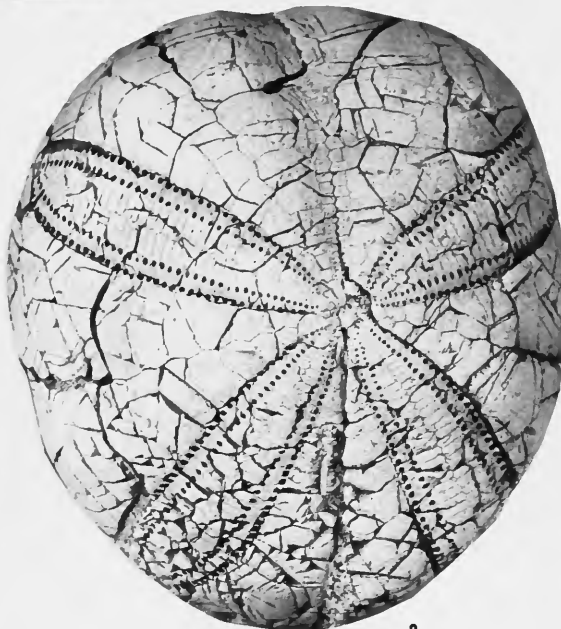
PLATE 64

Eupatagus clevei (Cotteau)

- 1, 2. Left side and dorsal views of topotype of *Herreraster herrerae* Sánchez Roig (= ? *E. clevei*), SRC 4012, Oligocene-Miocene, "Las Cuevas" farm, Realengo, Charco Hondo, Ranchuelo district, Morón, Camagüey Province, Cuba, $\times 1$.
- 3–5. Dorsal, rear, and right side views of holotype of *Eupatagus rojasi* Sánchez Roig (= ? *E. clevei*), SRC 4056, Oligocene-Miocene, "Las Cabezas" farm, Corral Naranjo, 12 km E of Marroquín, Morón, Camagüey Province, Cuba, $\times 0.75$.



1



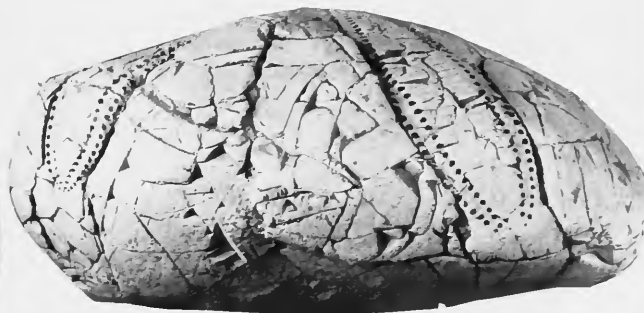
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PLATE 65

Eupatagus clevei (Cotteau)

- 1-4. Dorsal, ventral, left side, and rear views of holotype of *Eupatagus herrerae* Sánchez Roig (= ? *E. clevei*), SRC 4060, Oligocene-Miocene, old sugar house of "La Venturilla" farm, Realengo, Charco Hondo, Morón, Camagüey Province, Cuba, × 1.
- 5, 6. Dorsal and ventral views of the lectotype of *Lajanaster venturillae* Sánchez Roig (= ? *E. clevei*), SRC 4136, Oligocene-Miocene, same locality as above, × 1. (Rear and side views are on Plate 66.)



PLATE 66

Eupatagus clevei (Cotteau)

- 1, 2. Right side and rear views of lectotype of *Lajanaster venturillae* Sánchez Roig (= ? *E. clevei*), SRC 4136, $\times 1$. (See Plate 65 for dorsal and ventral views of this specimen.)
3. Dorsal view of part of USNM 353895 showing tuberculation within peripetalous fasciole, late Eocene, USGS loc. 16889, Madden Airfield, 15 mi (24 km) N of central part of Panama City, 6 mi (9.7 km) NE of the Canal Zone, $\times 1$.
- 4-6. Dorsal, right side, and ventral views of topotype of *Eupatagus zanoletti* Sánchez Roig (= *E. clevei*), SRC 4412, Oligocene-Miocene, "La Venturilla" farm, Realengo, Charco Hondo, Morón, Camagüey Province, Cuba, $\times 1$.

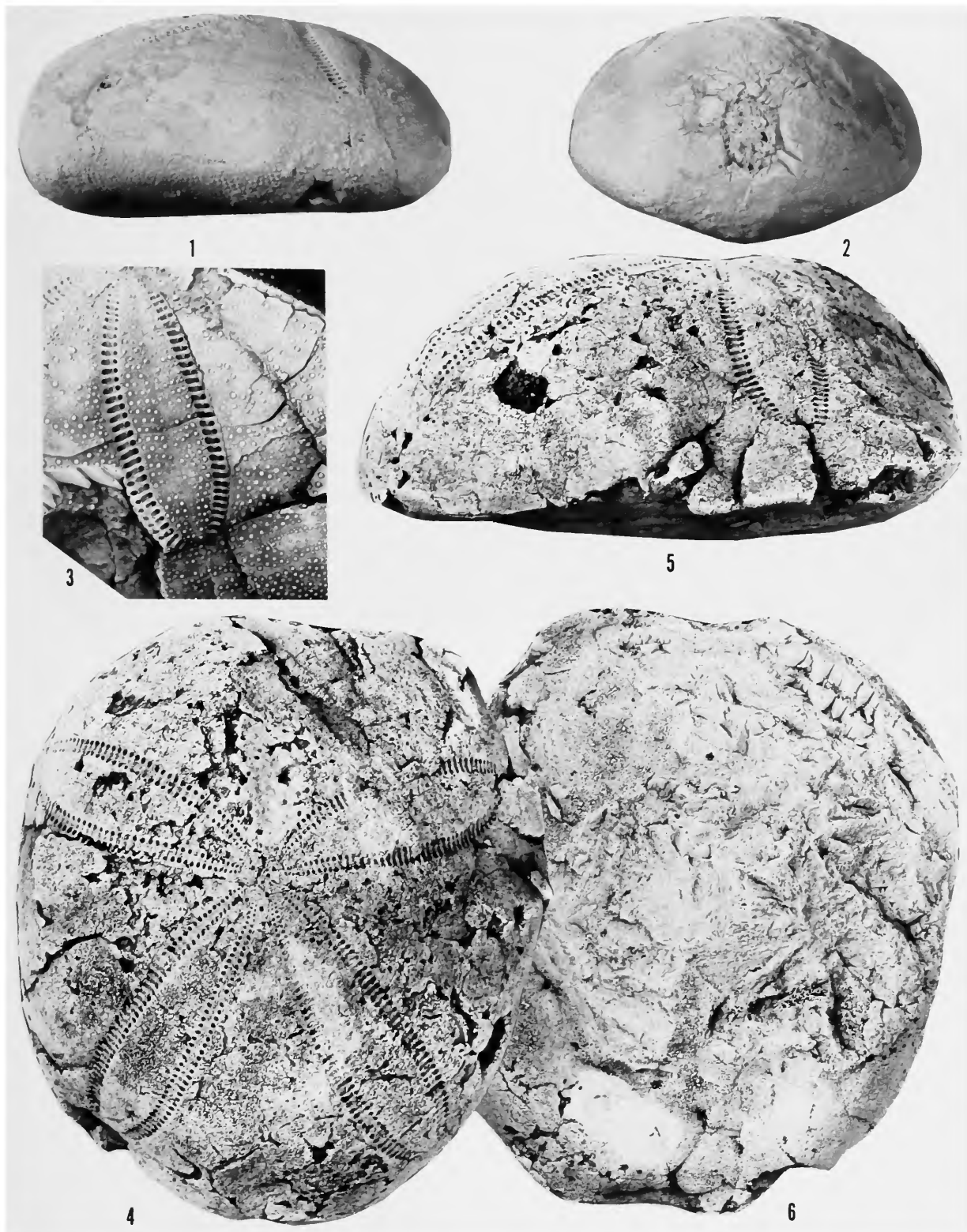
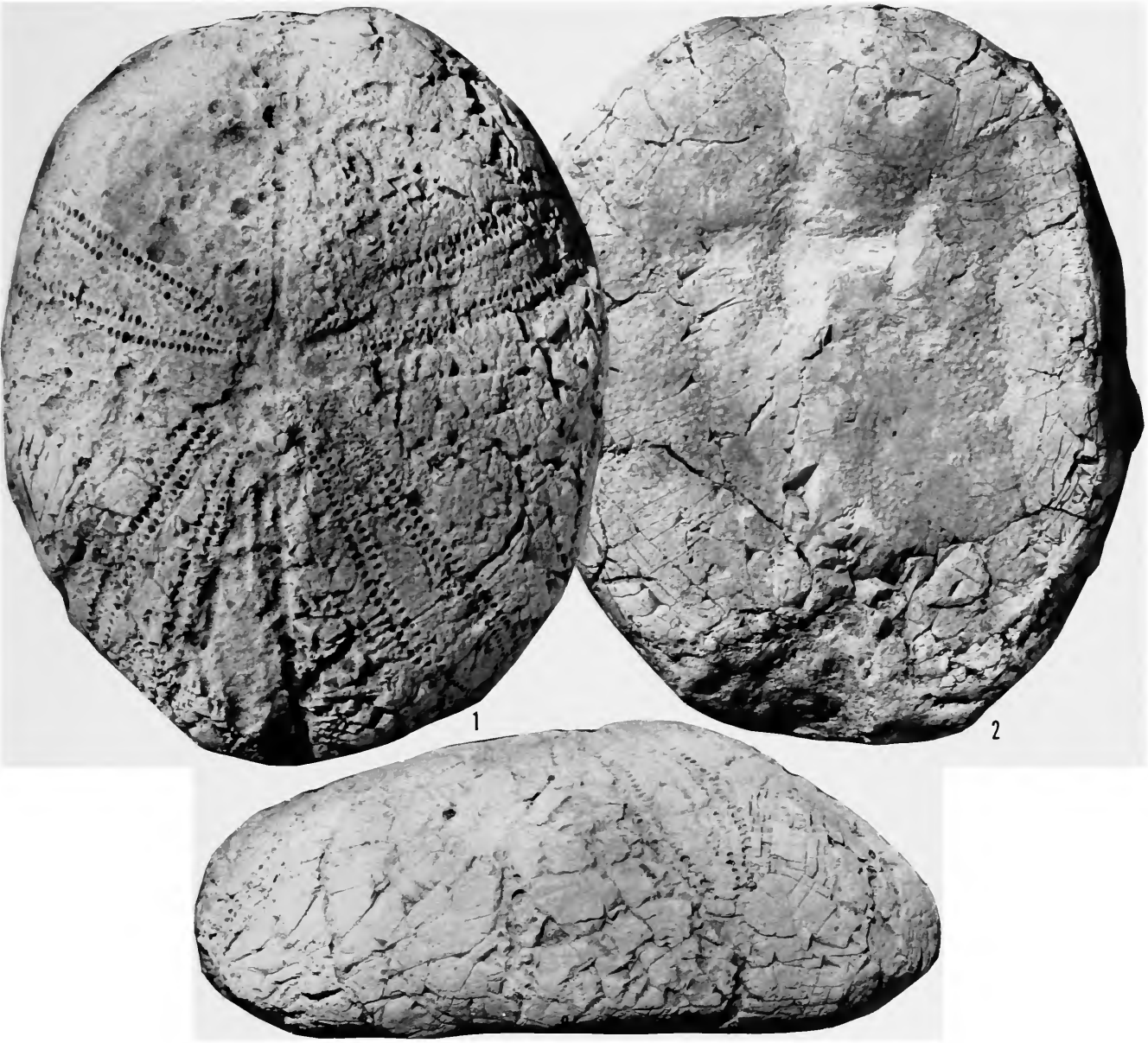


PLATE 67*Eupatagus depressus* (Sánchez Roig)

- 1-3. Dorsal, ventral and right side of the holotype, SRC 4476, Oligocene-Miocene, "El Regalo" farm, Charco Hondo, Marroquín district, Morón, Camagüey Province, Cuba, × 0.75.



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PLATE 68

Hernandezaster hernandesi Sánchez Roig

- 1-4. Dorsal, rear, right side, and ventral views of the holotype, SRC 4075, Miocene, "Santa Ana" farm, Majagua district, Ciego de Avila, Camagüey Province, Cuba, $\times 1$.

Migliorinia habanensis (Sánchez Roig)

- 5-7. Dorsal, right side, and ventral views of lectotype, SRC 4773, Miocene, quarries at 23 Vedado, left to the bridge, Habana Province, Cuba, $\times 3$.
8. Dorsal view of holotype of *Schizaster vedadoensis* Sánchez Roig (= *M. habanensis*), SRC 4208, Miocene, quarries at 23 Vedado, left of the bridge, Habana Province, Cuba, $\times 1$.

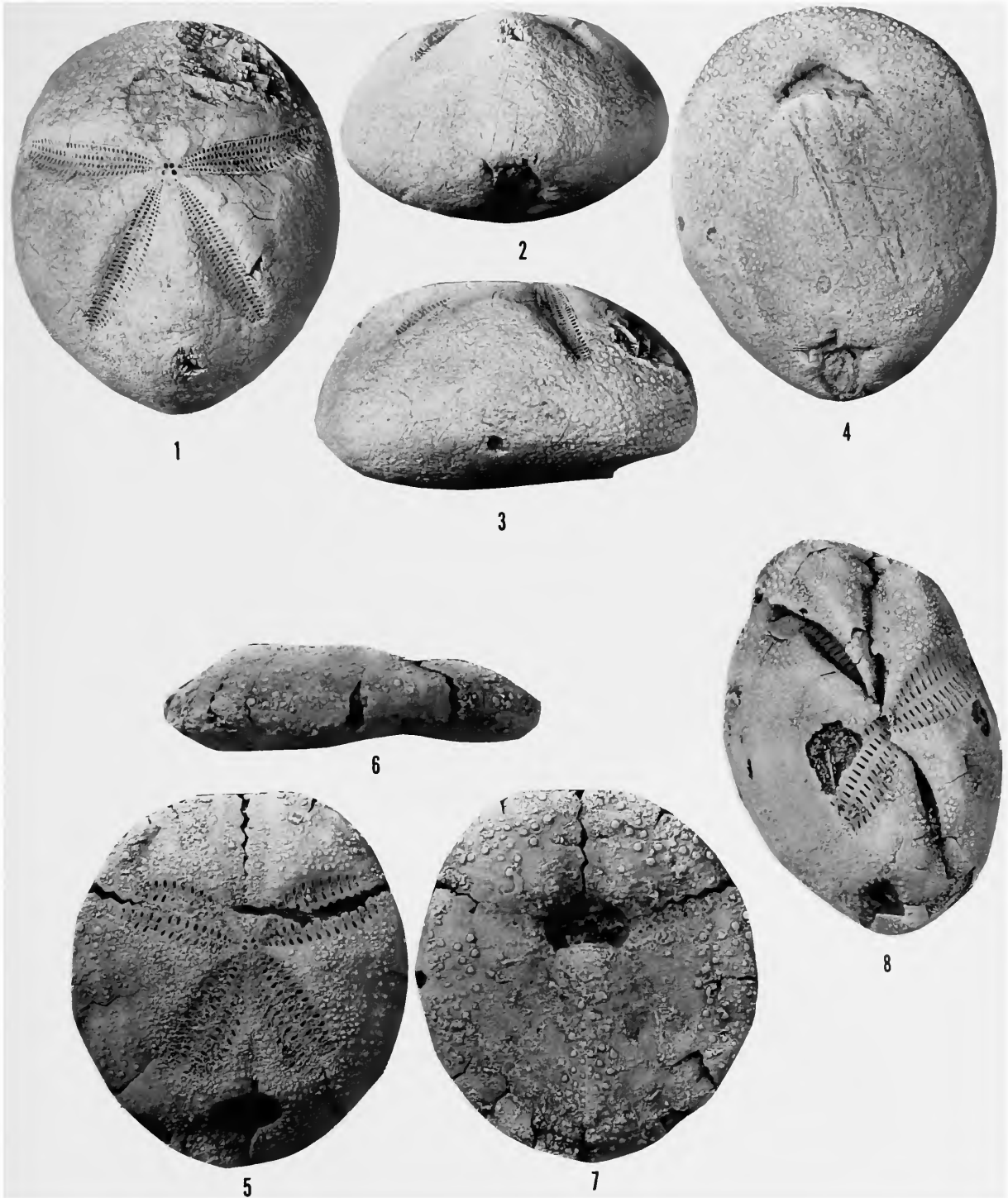


PLATE 69

Rojasia rojasi Sánchez Roig

- 1, 2. Dorsal and right side views of the holotype, SRC 3623, Eocene, "El Maja" farm, Majagua district, Ciego de Avila, Camagüey Province, Cuba, $\times 0.75$.

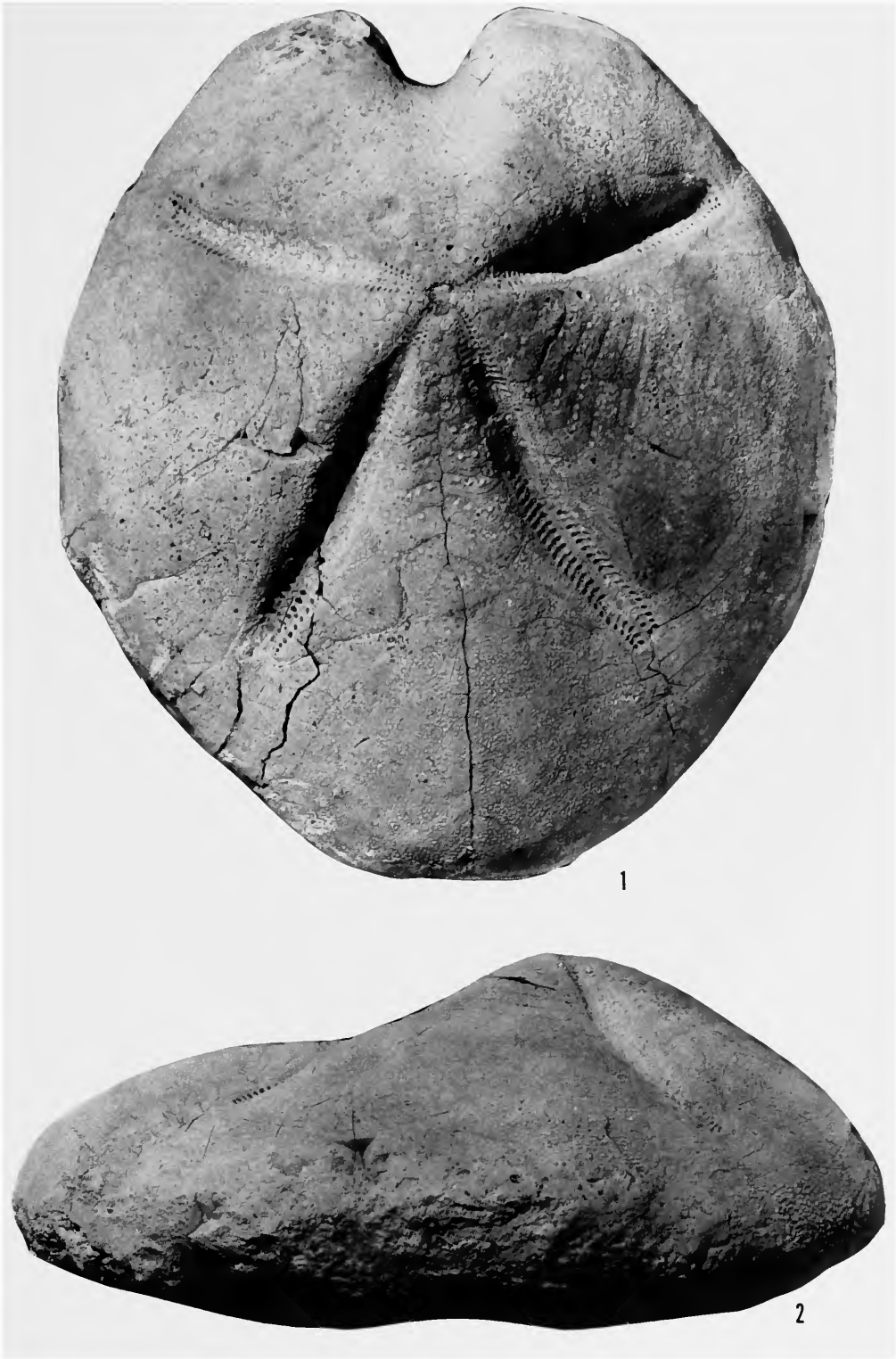


PLATE 70

Asterostoma excentricum L. Agassiz

Dorsal view of ANSP 16684, Eocene, Loma Caoba, 5 km S of San Diego de los Baños, Pinar del Rio Province, Cuba, \times 1. (See also Plates 71, 72.)

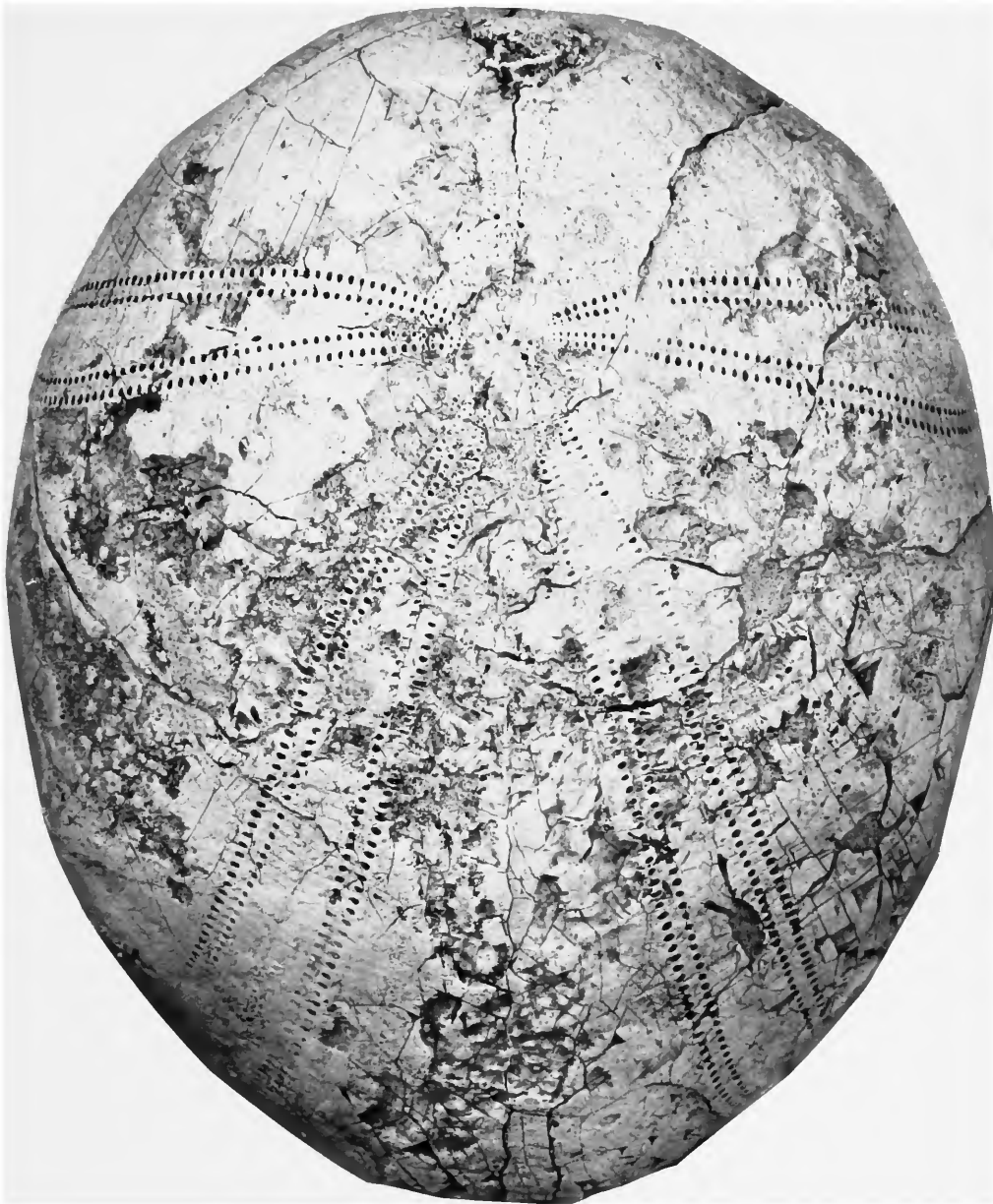


PLATE 71

Asterostoma excentricum L. Agassiz

Ventral view of ANSP 16684, Eocene, Loma Caoba, 5 km S of San Diego de los Baños, Pinar del Rio Province, Cuba, $\times 1$. (See also Plates 70, 72.)



PLATE 72

Asterostoma excentricum L. Agassiz

1. Right side of ANSP 16684, Eocene, Loma Caoba, 5 km S of San Diego de los Baños, Pinar del Rio Province, Cuba, $\times 1$. (See also Plates 70, 71.)
2. View of tuberculation in interambulacrum 3 and ambulacrum II on the dorsal side of USNM 341260, Eocene, Loma Caoba, San Diego de los Baños, Pinar del Rio Province, Cuba, $\times 4$.
3. View of tuberculation in interambulacrum 3 on ventral side of same specimen as figure 2 above, $\times 4$.
4. Peripodia in ambulacrum III on ventral side midway between margin and peristome of same specimen as figure 2 above, $\times 21$.

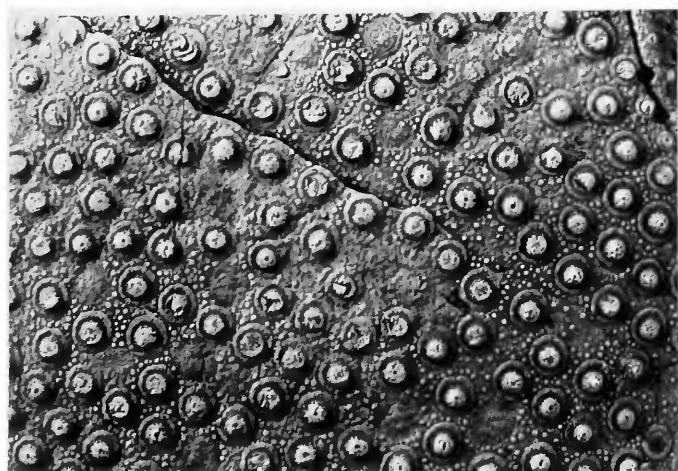
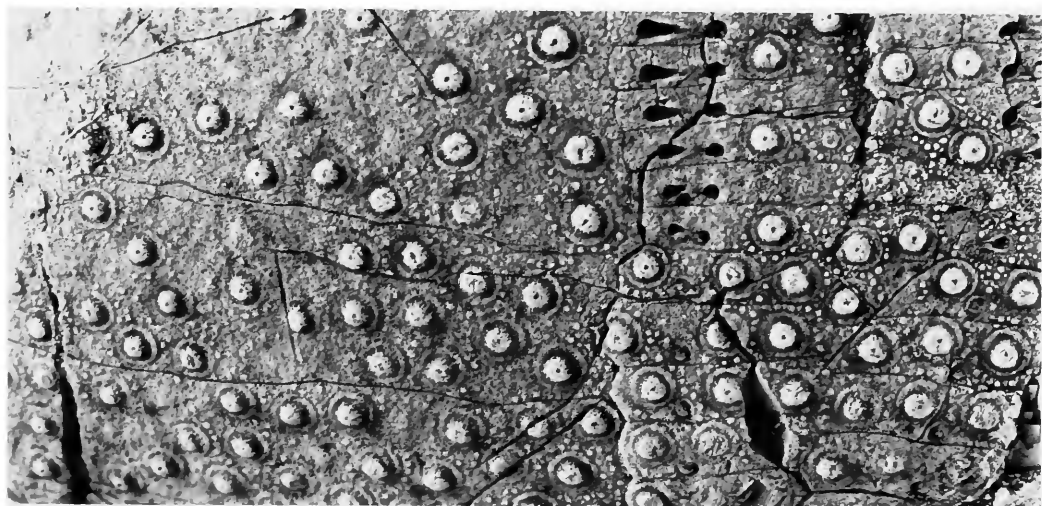


PLATE 73

Asterostoma excentricum L. Agassiz

- 1, 2. Dorsal and right side views of the holotype of *Asterostoma dickersoni* Sánchez Roig (= *A. excentricum*), SRC 4957, Eocene, Caraballo quarry, Loma Caoba, 5 km S of San Diego de los Baños, Pinar del Rio Province, Cuba, $\times 1$.

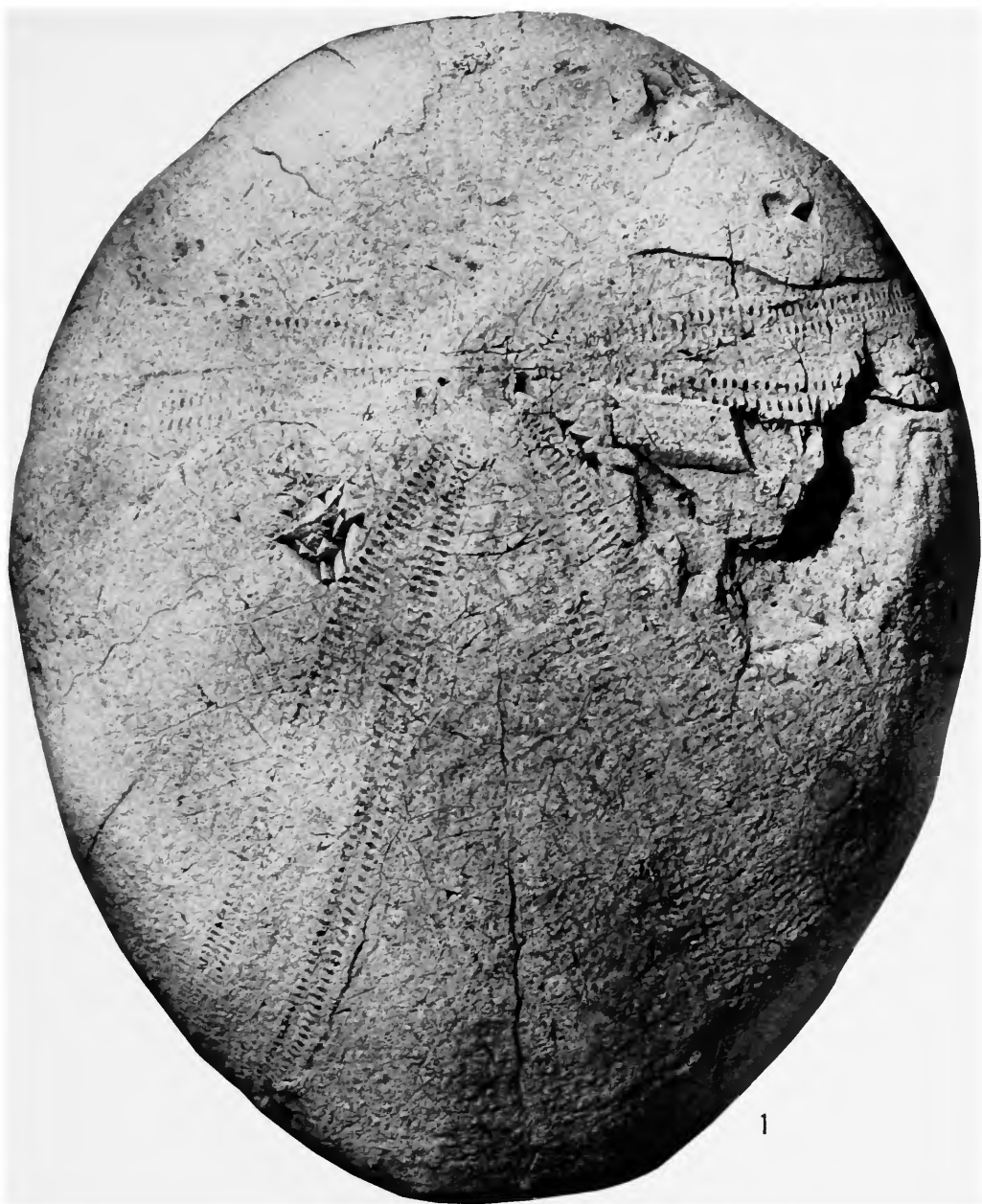


PLATE 74

Asterostoma excentricum L. Agassiz

Ventral view of the holotype of *Asterostoma dickersoni* Sánchez Roig (= *A. excentricum*), SRC 4957, Eocene, Caraballo quarry, Loma Caoba, 5 km S of San Diego de los Baños, Pinar del Rio Province, Cuba, \times 1. (See also Plate 73.)

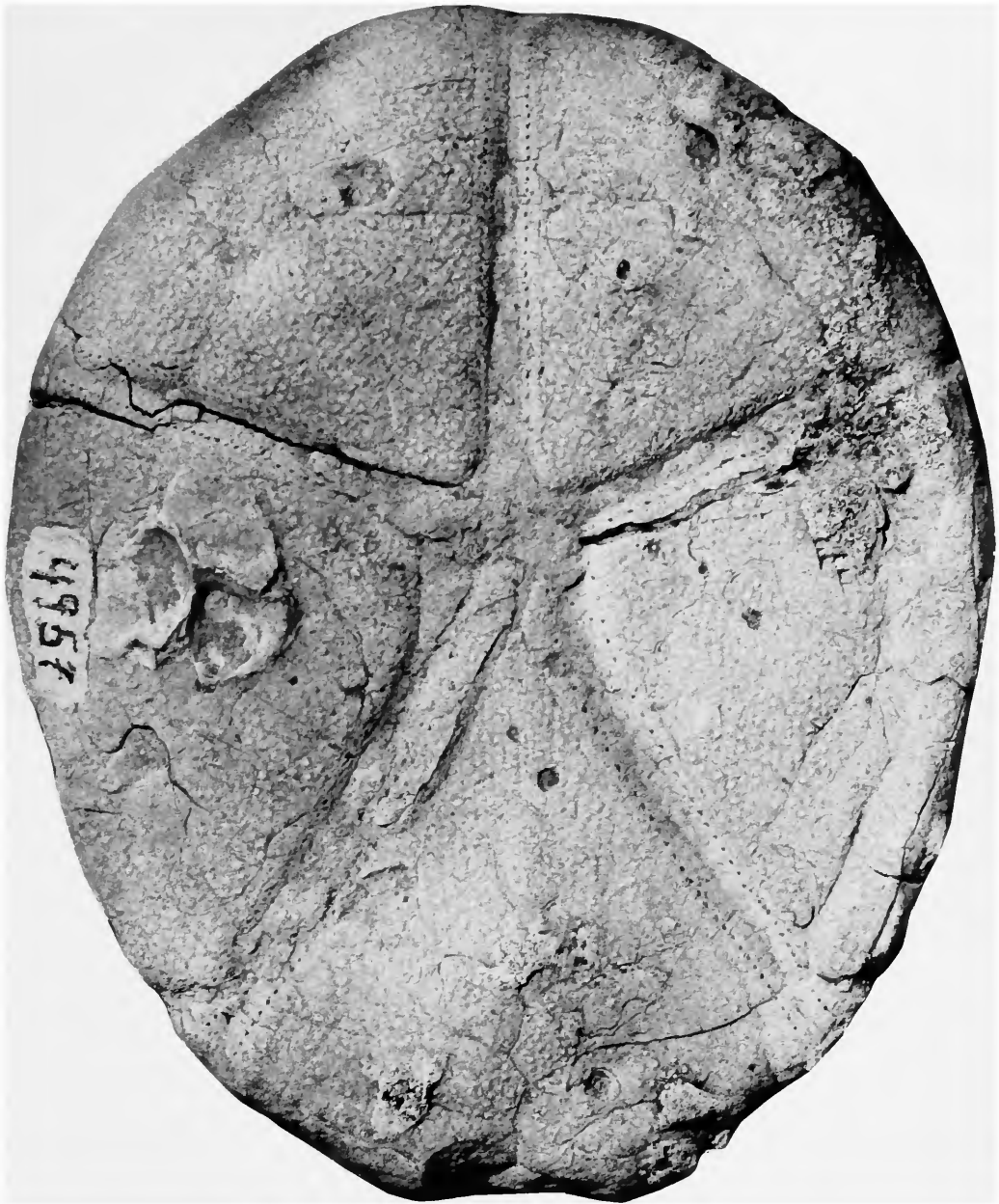


PLATE 75

Asterostoma excentricum L. Agassiz

- 1, 2. Dorsal and ventral views of the holotype of *Asterostoma irregularis* Sánchez Roig (= *A. excentricum*), SRC 4296, Eocene, Caraballo quarry, Loma Caoba, 5 km S of San Diego de los Baños, Pinar del Rio Province, Cuba, $\times 1$.

(Photograph reduced to 90 percent.)

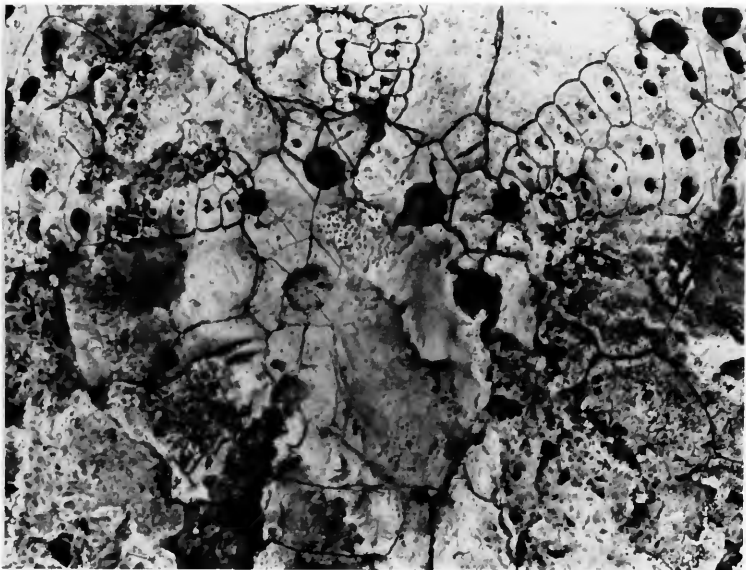


PLATE 76*Asterostoma excentricum* Agassiz

1. Apical system of ANSP 16684, Eocene, Loma Caoba, 5 km S of San Diego de los Baños, Pinar del Río Province, Cuba, $\times 21$.

Asterostoma subcircularis Sánchez Roig

- 2, 3. Right side and rear views of the holotype, SRC 4010, middle Eocene, Loma Caoba, San Diego de los Baños, Pinar del Río Province, Cuba, $\times 1$. (See also Plate 77.)



1



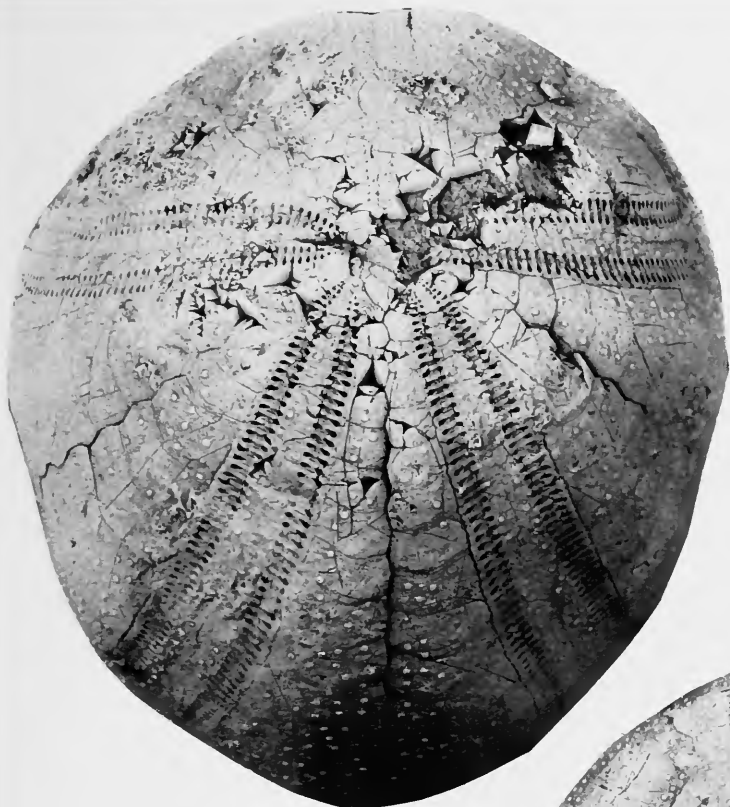
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PLATE 77*Asterostoma subcircularis* Sánchez Roig

- 1, 2. Dorsal and ventral views of the holotype, SRC 4010, middle Eocene, Loma Caoba, San Diego de los Baños, Pinar del Rio Province, Cuba, $\times 1$. (See also Plate 76.)



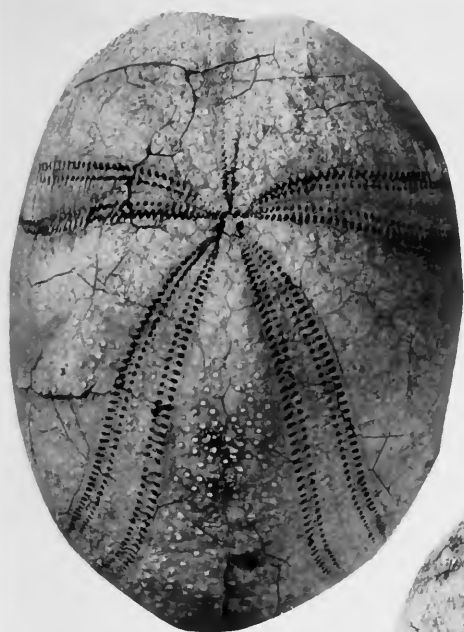
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PLATE 78*Asterostoma pawsoni*, new species

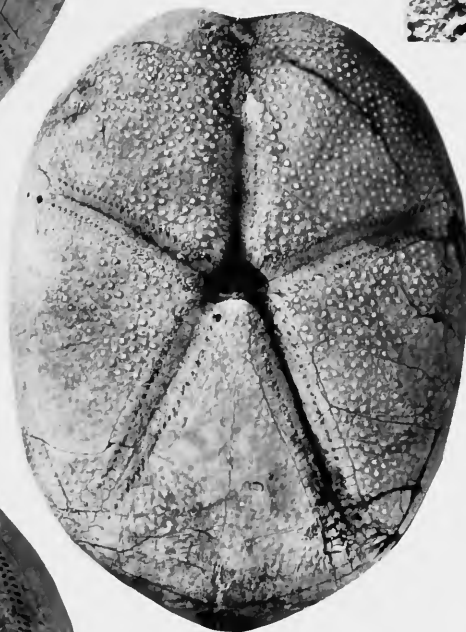
- 1–4. Dorsal, rear, ventral, and right side views of the holotype, USNM 301378a, Eocene, hillsides above the Yallahs River, St. Thomas, in the Lucky Hill region in St. Mary, and in the Spring Mount region, St. James, Jamaica, \times 1.
5. Peripodia in ambulacrum III on ventral side of paratype, USNM 301378b, same locality as above, \times 22.
6. Ambulacrum I on ventral side of same paratype, \times 3.



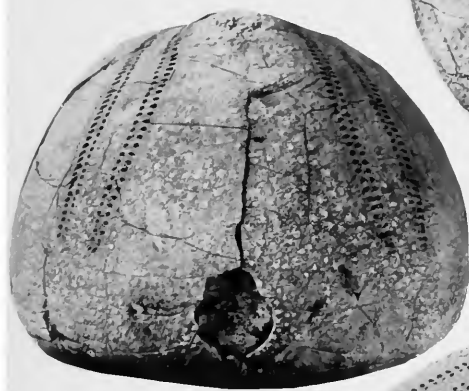
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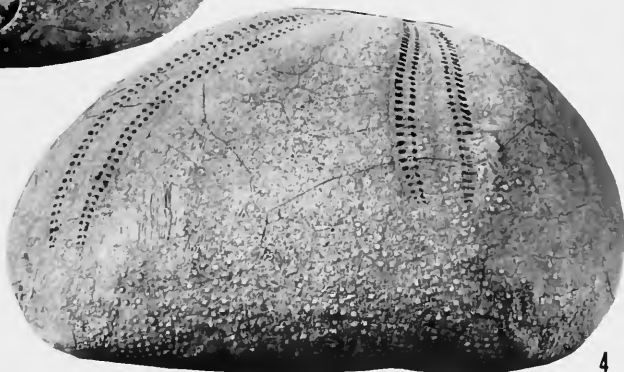
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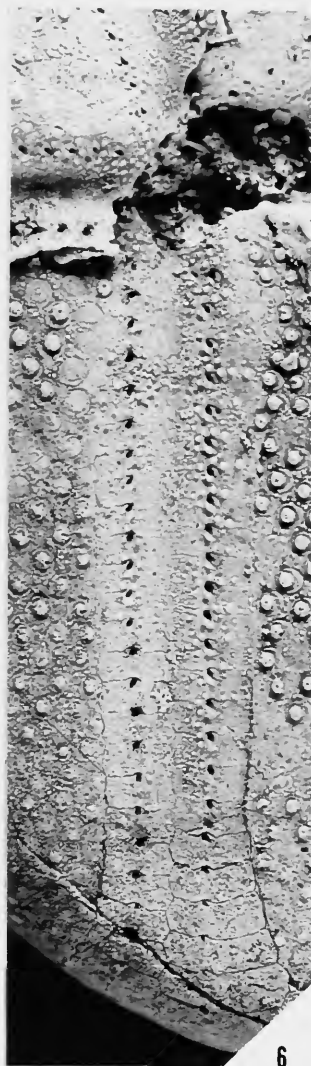
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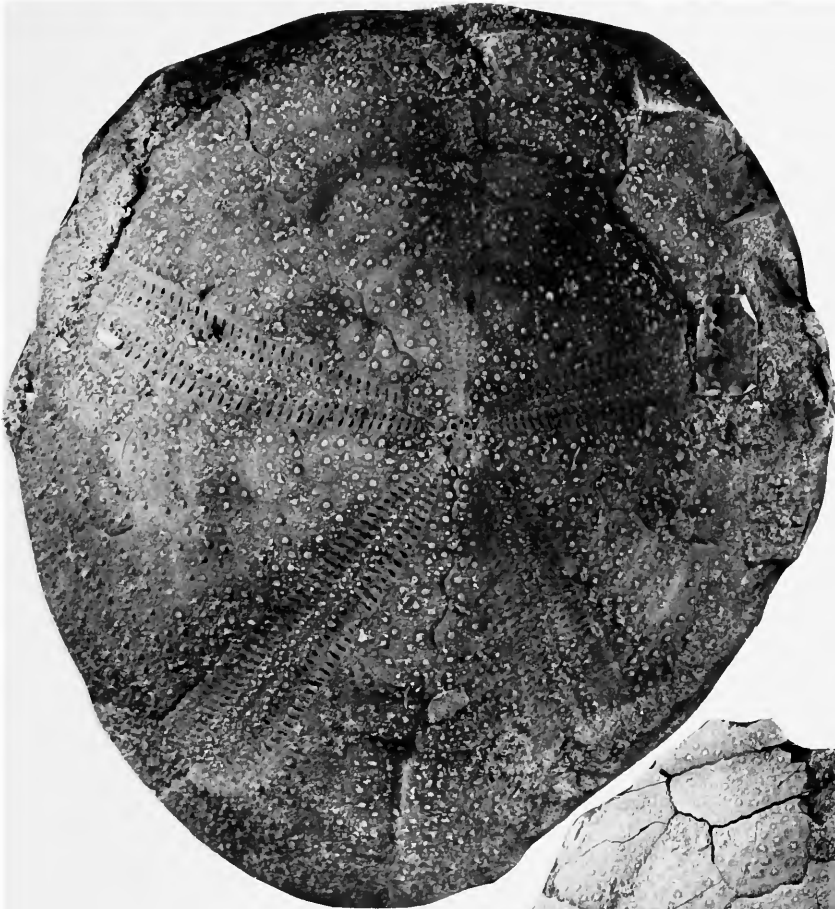
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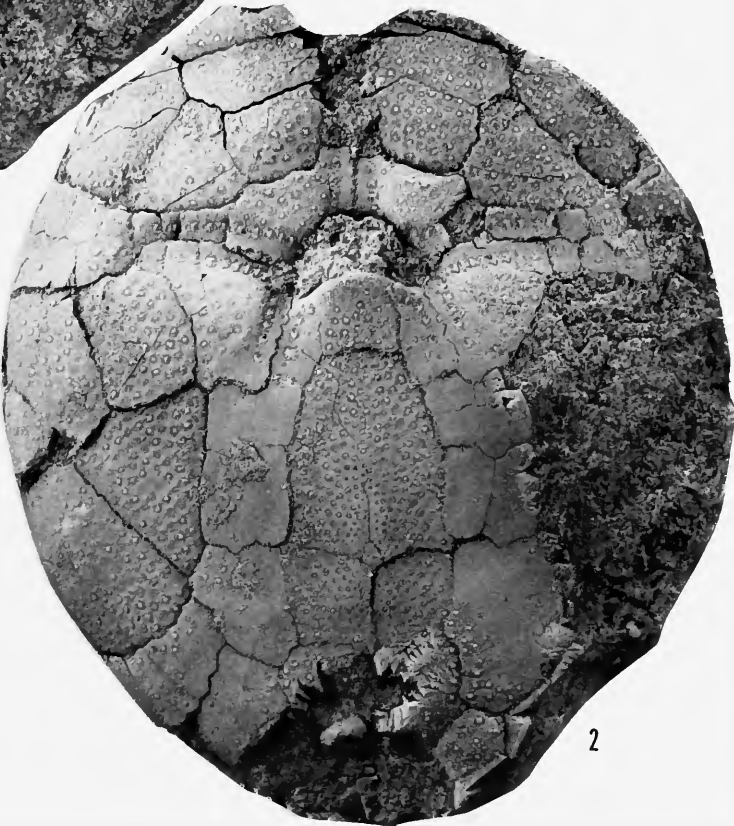
6

PLATE 79*Antillaster elegans* (Jackson)

1. Dorsal view of the holotype, AMNH 18574, Miocene, Juana Diaz Formation, 2 km SW of Juana Diaz, Puerto Rico, \times 1.
2. Ventral view of the paratype, AMNH 18575, from the same locality, \times 1.



1



2

PLATE 80*Antillaster albeari*, new species

- 1, 2. Dorsal and rear views of the holotype, ANSP 16631, middle to late Eocene, Palmer loc. 1003, N of Carretera Central, 2.1–2.2 mi (3.5 km), on road to San Diego de los Baños, Pinar del Rio Province, Cuba, \times 1. (See also Plate 81.)

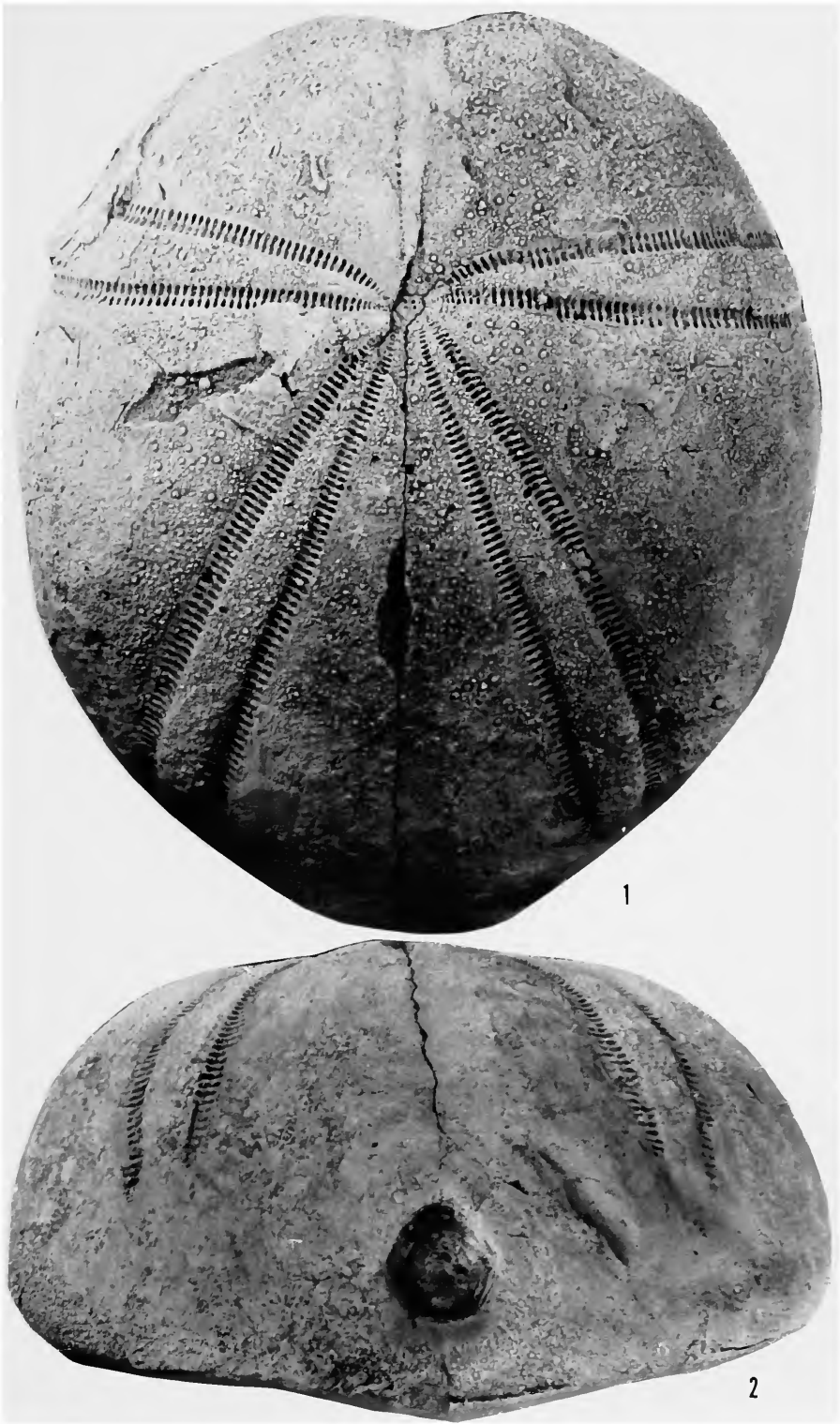


PLATE 81

Antillaster albeari, new species

- 1, 2. Ventral and right side views of the holotype, ANSP 16631, middle to late Eocene, Palmer loc. 1003, N of Carretera Central, 2.1–2.2 mi (3.5 km), on road to San Diego de los Baños, Pinar del Rio Province, Cuba, \times 1. (See also Plate 80.)

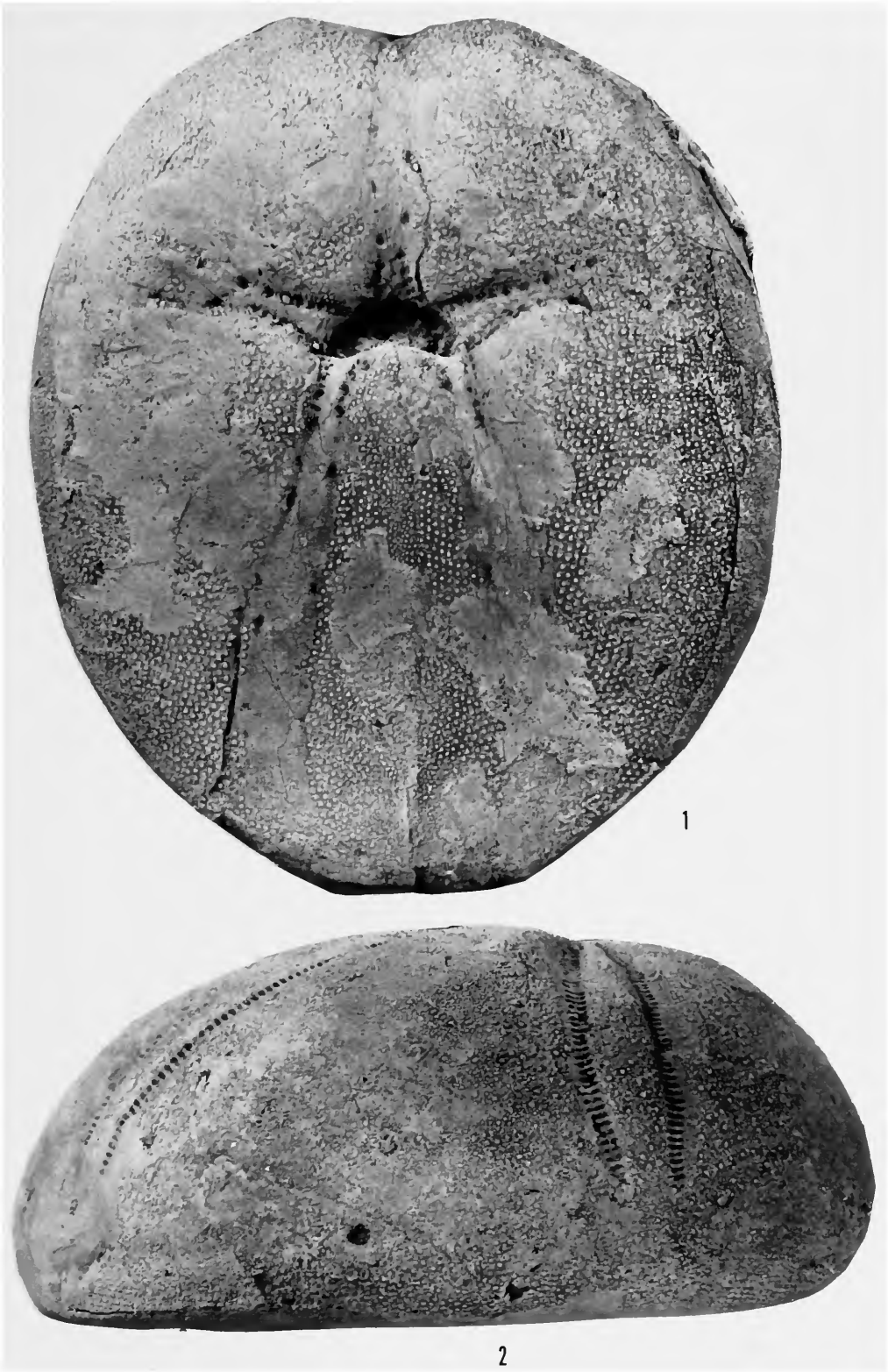


PLATE 82*Antillaster arnoldi* Clark

- 1–3. Dorsal, right side, and ventral views of the holotype of *Antillaster rojasi* Sánchez Roig (= *A. arnoldi*), SRC 4133, Oligocene-Miocene, “La Venturilla” farm, Realengo, Charco Hondo, Morón, Camagüey Province, Cuba, $\times 1$.

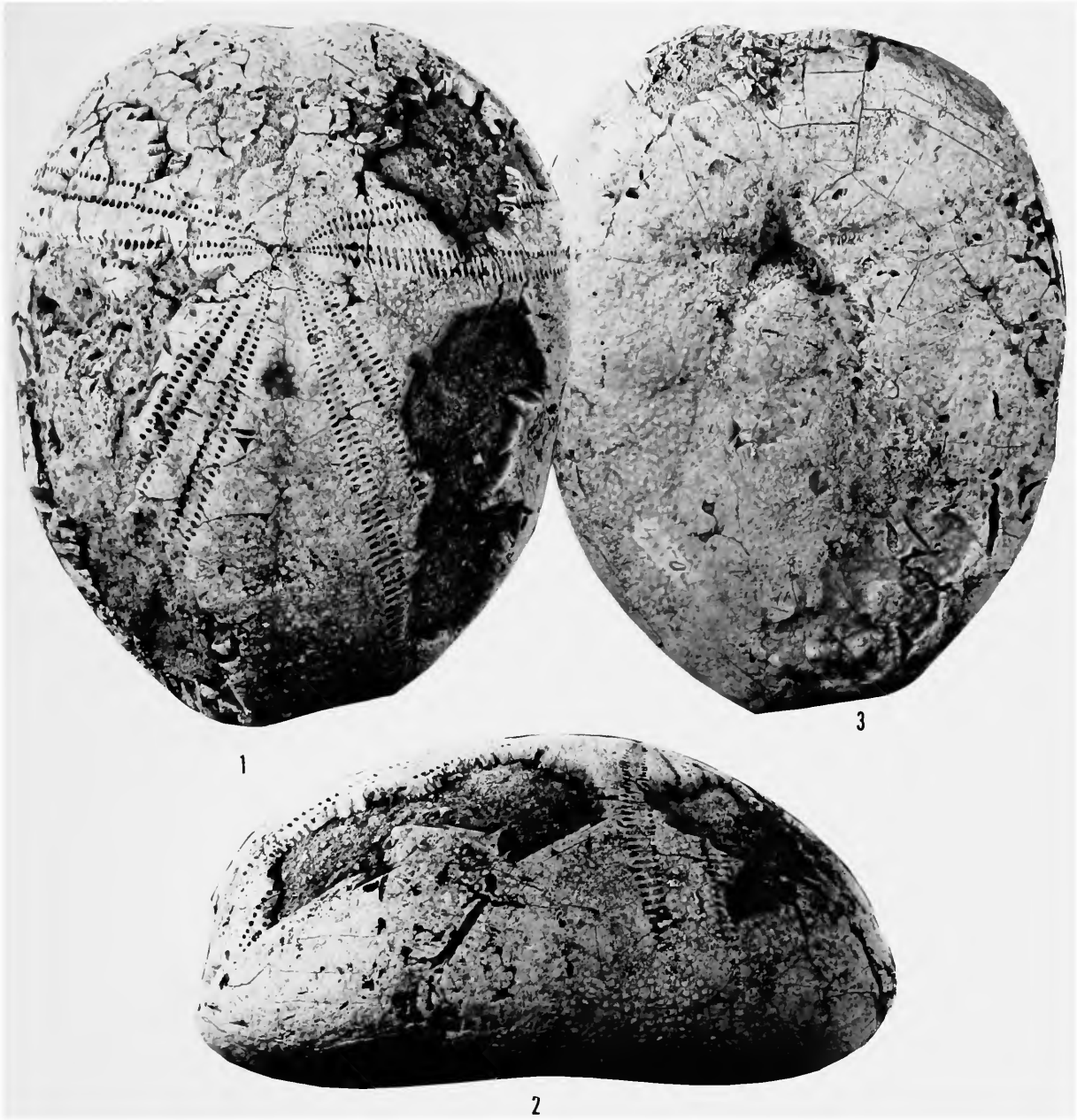


PLATE 83

Antillaster fernandesi (Sánchez Roig)

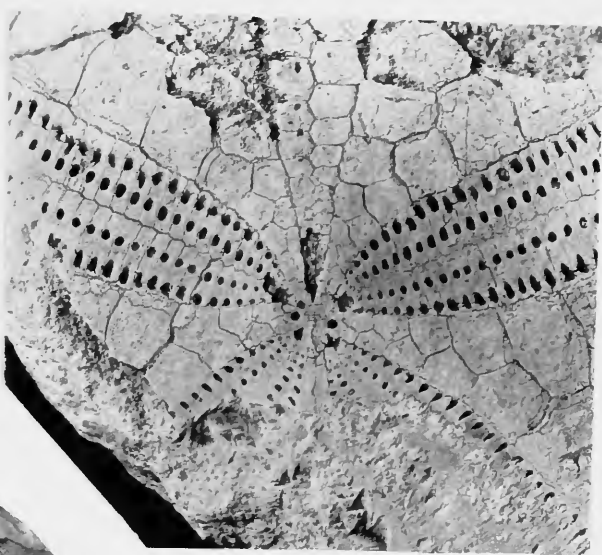
- 1, 2. Dorsal and right side views of the holotype, SRC 4107, Oligocene-Miocene, well in San Pedro, Habana Province, Cuba, $\times 1$.
- 3–5. Dorsal, apical region, and right side of the holotype of *Antillaster jaumei* Sánchez Roig (= *A. fernandesi*), SRC 4505, early Miocene, Somorrostro quarries, Habana, Habana Province, Cuba, $\times 0.75$, $\times 1$, $\times 0.50$, respectively.



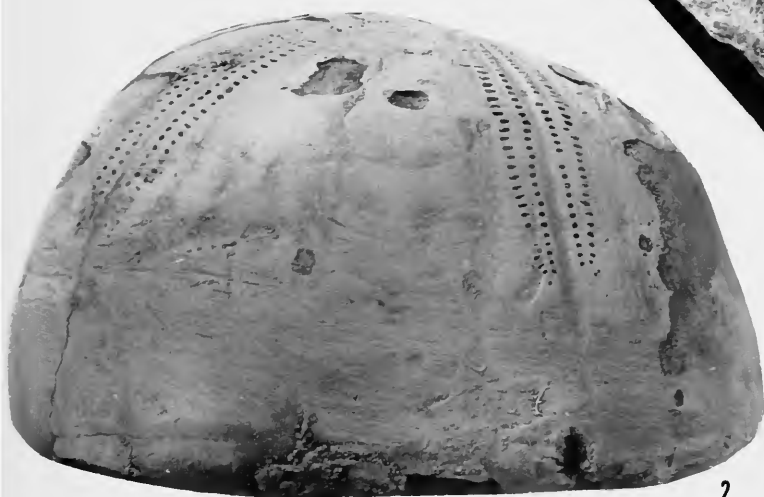
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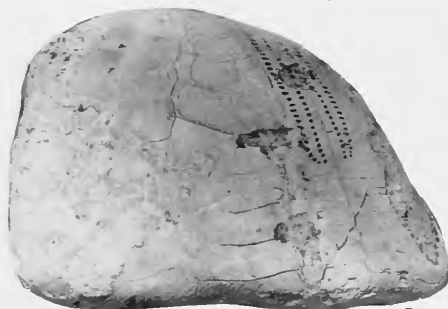
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**PLATE 84***Antillaster vughani* (Jackson)

- 1-3. Dorsal, ventral, and right side views of the holotype of *Antillaster herrerae* Sánchez Roig (= *A. vughani*), SRC 4469, Oligocene-Miocene, "Santa Clara" farm, Loma La Calera, Marroquín district, Morón, Camagüey Province, Cuba, $\times 1$.

(Photograph reduced to 90 percent.)

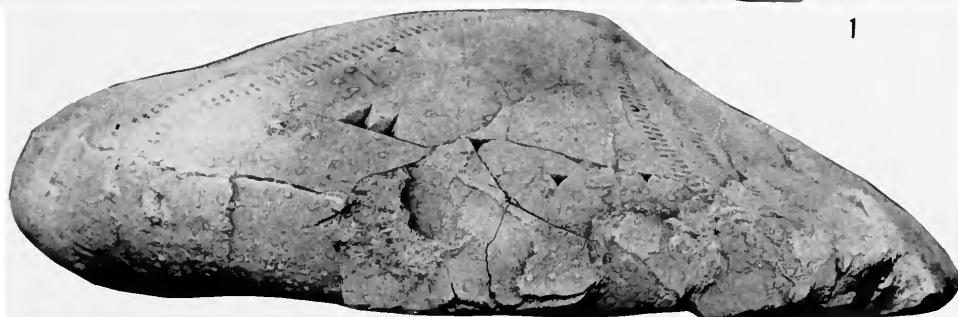
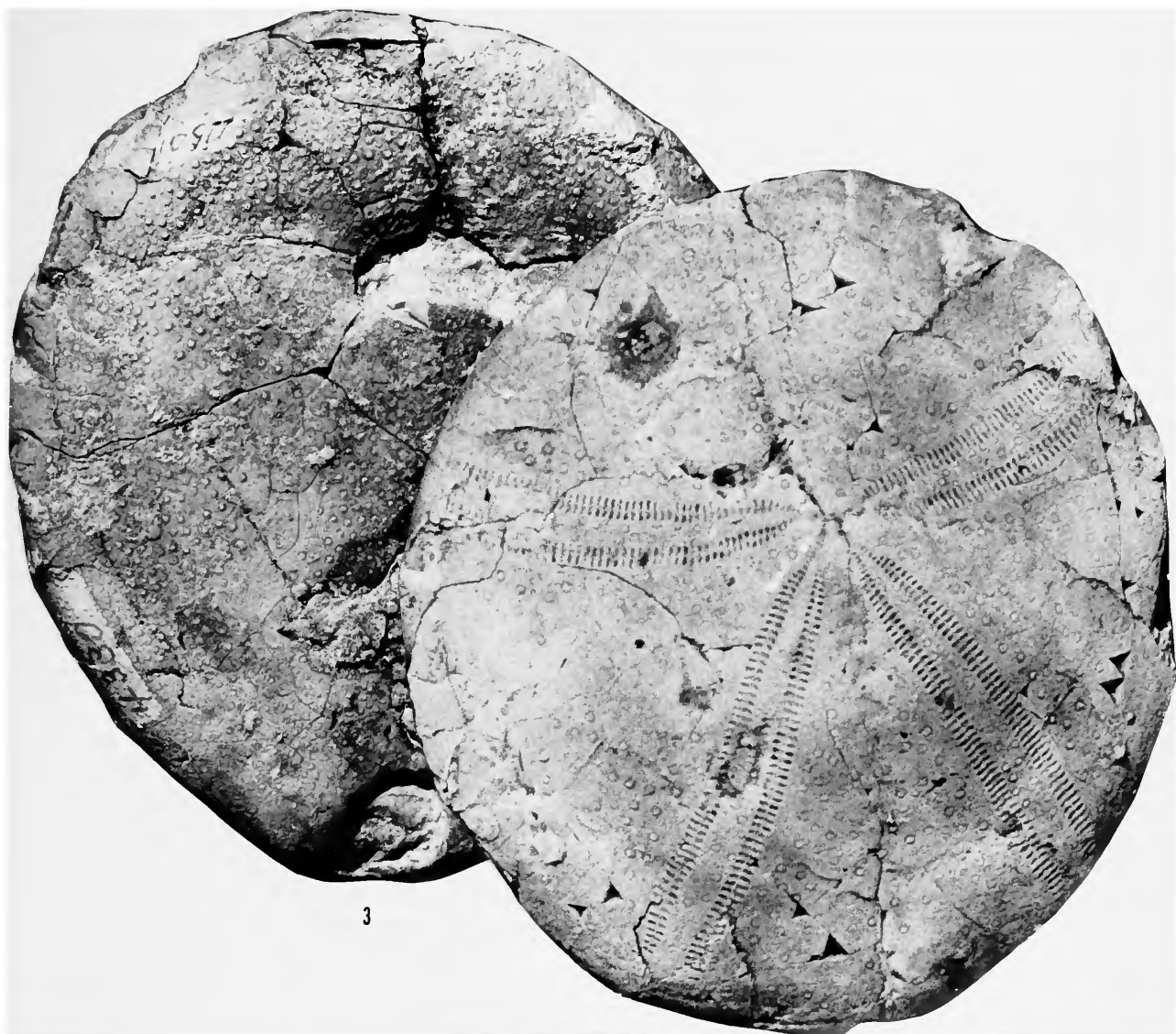


PLATE 85

Antillaster vughani (Jackson)

- 1-3. Dorsal, right side, and ventral views of *Antillaster depressus* Sánchez Roig (= *A. vughani*), SRC 4501, Oligocene-Miocene, approximately 3 mi (4.8 km) SE of Arroyo Blanco, "Pantano Verde" farm, Camagüey Province, Cuba, × 1.

(Photograph reduced to 90 percent.)



2

PLATE 86

Antillaster vaghani (Jackson)

- 1, 2. Dorsal, and right side views of a topotype of *Antillaster expansus* Sánchez Roig (= *A. vaghani*), SRC 4480, Oligocene-Miocene, "El Maja" farm, Majagua district, Ciego de Avila, Camagüey Province, Cuba, × 1.



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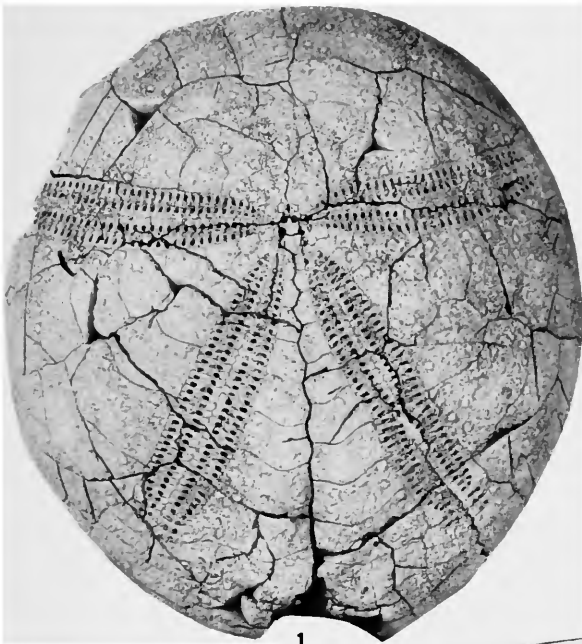
PLATE 87

Antillaster vughani (Jackson)

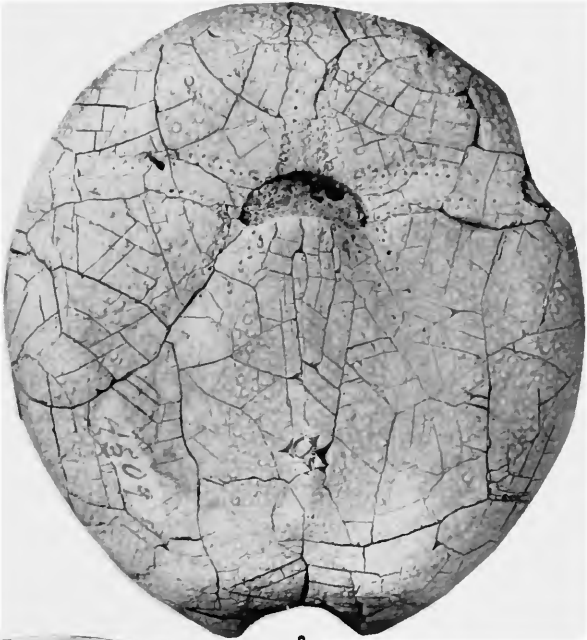
- 1–3. Dorsal, right side, and ventral views of the holotype of *Antillaster guevari* Sánchez Roig (= *A. vughani*), SRC 4509, Oligocene-Miocene, Loma Mendoza, Marroquín, Morón, Camagüey Province, Cuba, $\times 1$.

Antillaster sp.

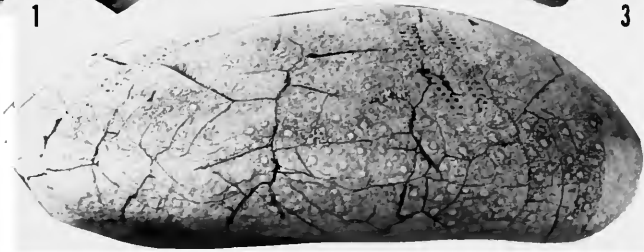
4. Phyllode 2, USNM 341261, Miocene, Falcón, Venezuela, $\times 8$.



1



3



2



4

PLATE 88*Antillaster lamberti* Jeannet

- 1, 2. Dorsal and ventral views of the holotype of *Antillaster habanensis* (Sánchez Roig) (= *A. lamberti*), SRC 4114, Oligocene-Miocene, on margin of deep cut along hill approximately 1 mi (1.6 km) E of Casa Blanca, Habana Province, Cuba, \times 1. (See also Plate 89.)

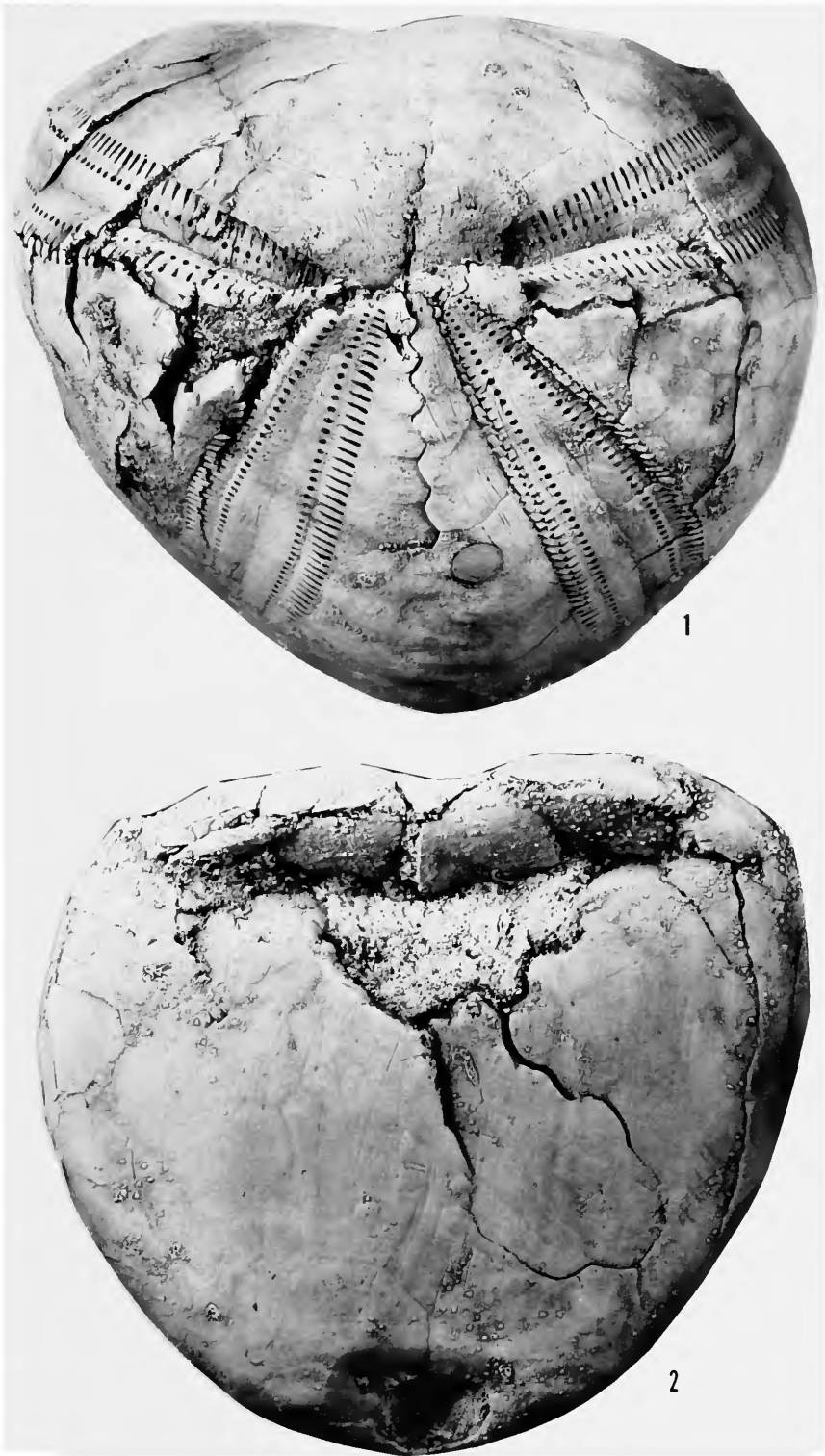


PLATE 89*Antillaster lamberti* Jeannet

- 1, 2. Right side and rear of the holotype of *Antillaster habanensis* (Sánchez Roig) (= *A. lamberti*), SRC 4114, Oligocene-Miocene, on margin of deep cut along hill approximately 1 mi (1.6 km) E of Casa Blanca, Habana Province, Cuba, \times 1. (See also Plate 88.)



1



2

PLATE 90*Antillaster lamberti* Jeannet

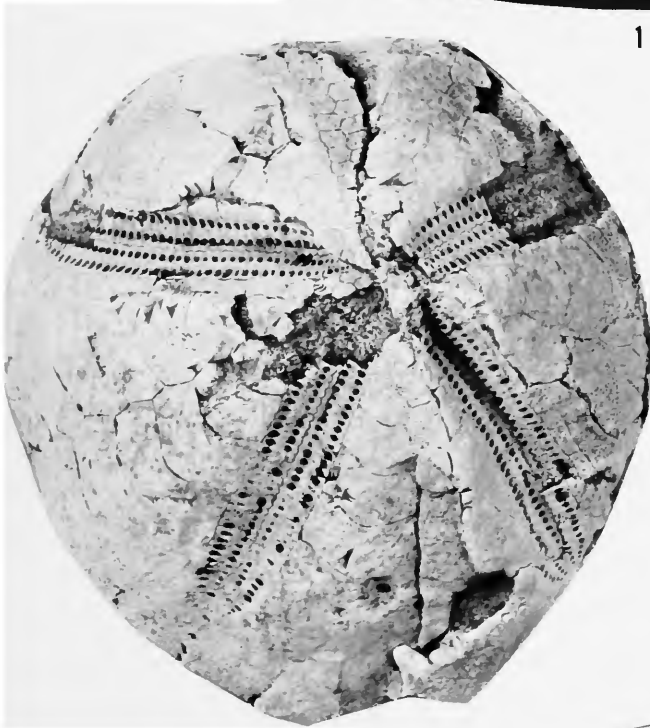
1. Left side view, USNM 638639, Miocene, La Vela beds, La Vigía, 10 km SW of Pueblo Nuveo, District of Paraguaná, Falcón, Venezuela, $\times 1$. (Also figured in Cooke, 1961, pl. 11: figs. 1, 2, pl. 12: fig. 5.)

Antillaster sanchezi Lambert

- 2-4. Dorsal, right side, and ventral views of a topotype, SRC 4511, early to middle Miocene, "Cervantes" farm, San José de las Lajas, Habana Province, Cuba, $\times 1$.



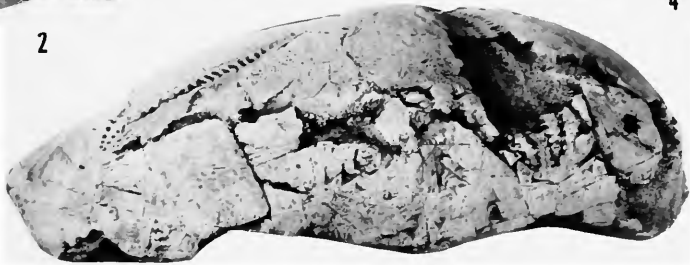
1



2



4



3