

FAUNA OF RAJASTHAN, INDIA.
PART 3. MOLLUSCA. NO. 2.
DISTRIBUTION OF SOME PELECYPODA

By

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(With 1 Text-figure)

INTRODUCTION

Recently, Ray and Mukherjee (1969) in their report on the molluscan fauna of Rajasthan listed six species of bivalves, of which only four species, belonging to two different families, are represented in the present collection from Bharatpur, Bhilwara, Chittorgarh, Dungarpur, Jodhpur, Pali, Sirohi, Tonk and Udaipur Districts. These species are *Lamellidens corrianus* (Lea), *Indonaia caerulea* (Lea) and *Parreysia corrugata* (Müller) belonging to the family Unionidae and *Corbicula striatella* Deshayes belonging to the family Corbiculidae. An attempt is made here to add a few more important localities to the list of distribution of these molluscs, which were not recorded by Ray and Mukherjee, and thereby extending their range further in that region including even the forest and semi-arid areas and also well-watered areas towards southern and south-eastern tracts of Rajasthan.

Names of collectors have been abbreviated as follows: *DSM*, Dr. D. S. Mathur ; *KCK*, Shri K. C. Kansal ; *ML*, Shri Moti Lal ; *PDG*, Dr. P. D. Gupta ; *RNB*, Shri R. N. Bhargava ; *VCA*, Dr. V. C. Agrawal.

SYSTEMATIC ACCOUNT

Family 1. UNIONIDAE

1. *Lamellidens corrianus* (Lea)

1834. *Unio corrianus* Lea, *Trans. Amer. Phil. Soc.*, 6: 65.

1969. *Lamellidens corrianus*: Ray & Mukherjee, *Rec. zool. Surv. India*, **61**: 431.

Material.—*Bharatpur District*: (i) 1 ex., R. Banganga near Nekpur Head, *Ca*, 3 km. S. of Pinjora Rly. Station. Lat. 27°06'N. & Long. 77°24'E., 1.iii.69. (ii) 1 ex., Ghana Sanctuary, Lat. 27°10' N. & Long. 77°31' E., 1.iii.69, all PDG Coll.

Bhilwara District: (iii) 2 exs., Mandal Tank, *Ca* 18 km. N. of Bhilwara, Lat. 25°25' N. & Long. 74°30' E., 29.iii.64, RNB Coll.

Chittorgarh District: (iv) 1 ex., R. Gambhiri, *Ca* 3 km. E. of Chittorgarh Rly. Station, Lat. 24°51' N. & Long. 74°39' E., 14.iii.64, VCA Coll.

Sirohi District: (v) 1 ex., R. Banas, *Ca* 3 km. NE. of Abu Road Rly. Station, Lat. 24°29' N. & Long. 72°47' E., 6.iii.64, VCA Coll.

Remarks:—The largest shell, measuring 44 mm. in length, 22 mm. in height and 13 mm. in thickness, was collected from Nekpur Head of River Banganga (Bharatpur District). The exact locality of the specimen studied by Ray & Mukherjee (1969) was not known. The localities noted here seem to extend the range of this species in the forest and well-watered areas probably representing the boundary of its distribution towards semi-arid tracts. This inference derives support from Annandale, Prashad and Aminuddin (1921, p. 606) indicating that it is commonly found in ponds or very sluggish streams.

2. *Indonaila caerulea* (Lea)

1834. *Unio caerulea* Lea, *Trans. Amer. Phil. Soc.*, **4**: 95.

1969. *Indonaila caerulea*: Ray & Mukherjee, *Rec. zool. Surv. India*, **61**: 430.

Material.—*Chittorgarh District*: (vi) 2 exs., R. Gambhiri, *Ca* 3 km. E. of Chittorgarh Rly. Station, Lat. 24°51' N. & Long. 74°39' E., 14.iii.64. (vii) 5 exs., R. Berach, *Ca* 5 km. NW. of Chittorgarh Rly. Station, Lat. 24°53' N. & Long. 74°36' E., 14.iii.64, all VCA Coll.

Dungarpur District: (viii) 1 ex., Surpur ki Nadi, *Ca* 4 km. NW of Dungarpur, Lat. 23°35' N. & Long. 74°20' E., 26.iii.64, RNB Coll.

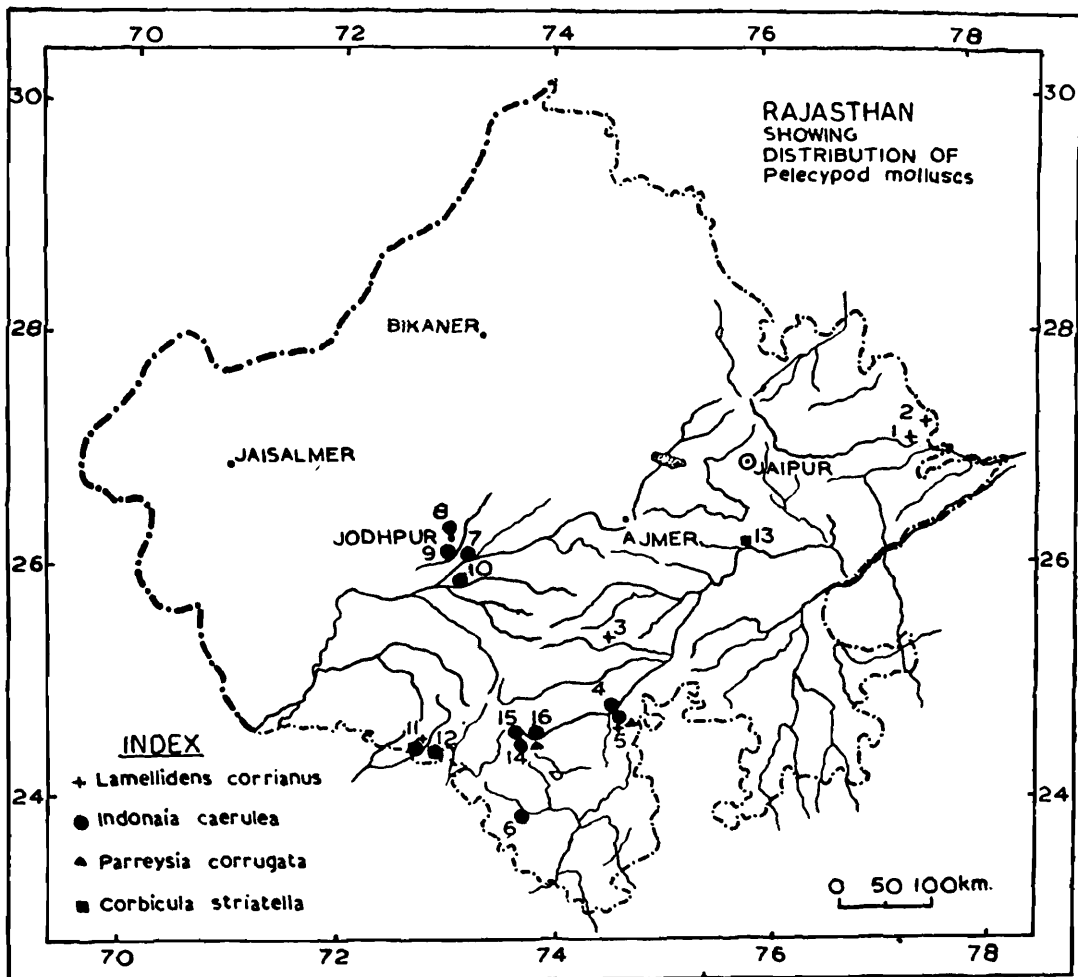
Jodhpur District: Bisalpur, *Ca* 35 km. S. of Jodhpur, Lat. 26°18' N. & Long. 73°27' E. (ix) 1 ex., 9.iii.64, VCA Coll. Kailana, Lat. 20°15' N. & Long. 72°55' E. (x) 35 exs., 19.iii.68, DSM Coll. (xi) 1 ex., 5.iv.68, DSM Coll. Kuri Reservoir,

Ca 20 km. S. of Jodhpur, Lat. 26°30' N. & Long. 73°35' E.
 (xii) 2 exs., 20.vii.63, ML Coll. (xiii) 4 exs., 26.ii.64, VCA Coll.
 (xiv) 7 exs., 30.viii.67, PDG Coll.

Pali District : (xv) 1 ex., Sardar Samand, Lat. 25°54' N. & Long. 73°25' E., 5.vii.63, KCK Coll.

Sirohi District : (xvi) 5 exs., R. Banas, Ca 3 km. NE. of Abu Road Rly. Station, Lat. 24°29' N & Long. 72°47' E., 6.iii.64.
 (xvii) 25 exs., Nullah pond, Ca 16 km. E. of Abu Road Rly. Station, Lat. 24°27' N & Long. 72°53' E., 9.iii.64, all VCA Coll.

Udaipur District : (xviii) 1 ex., Pichola lake, Lat. 24°33' N. & Long. 73°41' E., 17.iii.64. (xix) 1 ex., Sarup Sagar, Lat.



(Map copied from School Atlas published by Survey of India)

Text-Fig. 1.—1. R. Banganga (Bharatpur Dist.); 2. Ghana Sanctuary (Bharatpur Dist.); 3. Mandal Tank (Bhilwara Dist.); 4. R. Berach (Chittorgarh Dist.); 5. R. Gambhiri (Chittorgarh Dist.); 6. Surpur ki Nadi (Dungarpur Dist.); 7. Bisalpur (Jodhpur Dist.); 8. Kailana (Jodhpur Dist.); 9. Kuri Reservoir (Jodhpur Dist.); 10. Sardar Samand (Pali Dist.); 11. R. Banas (Sirohi Dist.); 12. Nullah Pond (Sirohi Dist.); 13. R. Banas (Tonk Dist.); 14. Pichola Lake (Udaipur Dist.); 15. Sarup Sagar (Udaipur Dist.); 16. Udaisagar (Udaipur Dist.).

24°35' N. & Long. 73°35' E., 18.iii.64. (xx) 2 exs., Udaisagar, Ca 15 km. E. of Udaipur Rly. Station, Lat. 24°33' N. & Long. 73°50' E., 20.iii.64, all VCA Coll.

Remarks.—Ray & Mukherjee (1969) recorded *I. coerulea* from Chittorgarh, Pali and Udaipur Districts only. The material in hand shows the occurrence of this species in Dungarpur, Jodhpur and Sirohi Districts also, thereby extending its distribution throughout the Aravalli Range (Fig. 1).

3. *Parreysia corrugata* (Müller)

1774. *Mya corrugata* Müller, *Vermes Terrestres et Fluviales*, pt. 2: 214.

1915. *Parreysia (Parreysia) corrugata*: Preston, *Fauna Brit. India*: 154.

Material.—*Chittorgarh District*: (xxi) 1 ex., R. Gambhiri, Ca 3 km. E. of Chittorgarh Rly. Station, Lat. 24°51' N. & Long. 74°39' E., 14.iii.64, VCA Coll.

Udaipur District: (xxii) 4 valves, Udaisagar Ca 15 km. E. of Udaipur Rly. Station, Lat. 24°33' N. & Long. 73°50' E., 20.iii.64, VCA Coll.

Remarks.—So far this species was known only from Chittorgarh District. But it is reported here from Udaipur District also.

Family 2. CORBICULIDAE

4. *Corbicula striatella* Deshayes

1854. *Corbicula striatella* Deshayes, *Proc. zool. Soc. Lond.*, 22: 344.

1969. *Corbicula striatella*: Ray & Mukherjee, *Rec. zool. Surv. India*, 61: 431.

Material.—*Tonk District*: (xxiii) 5 valves, R. Banas, Ca 7 km. NE. of Tonk City, Lat. 26°11' N. & Long. 75°52' E., 13.ii.69, PDG Coll.

Remarks.—This is the second report of this species from Rajasthan. Ray & Mukherjee (1969) recorded it from River Gambhiri, a tributary of eastern R. Banas near Chittorgarh.

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