

# Planorbidae, Lymnaeidae and Physidae of Argentina (Mollusca: Basommatophora)

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*In the course of several trips to Argentina I had the opportunity of collecting specimens of* *Acorbis petricola* Odhner, 1937, *Biomphalaria orbigny* Paraense, 1975, *B. peregrina* (Orbigny, 1835), *B. tenagophila* (Orbigny, 1835) *Lymnaea viatrix* Orbigny, 1835, *Antillorbis nordestensis* (Lucena, 1954), *B. intermedia* (Paraense & Deslandes, 1962), *B. oligoza* Paraense, 1974, *B. straminea* (Dunker, 1848), *Drepanotrema anatinum* (Orbigny, 1835), *D. cimex* (Moricand, 1837), *D. depressissimum* (Moricand, 1837), *D. heloicum* (Orbigny, 1835), *D. kermatoides* (Orbigny, 1835), *D. lucidum* (Pfeiffer, 1839), *L. columella* Say, 1817, *Physa acuta* Draparnaud, 1805, and *P. marmorata* Guilding, 1828.

Key words: *Acorbis petricola* - *Antillorbis nordestensis* - *Biomphalaria intermedia* - *B. oligoza* - *B. orbigny* - *B. peregrina* - *B. straminea* - *B. tenagophila* - *Drepanotrema anatinum* - *D. cimex* - *D. depressissimum* - *D. heloicum* - *D. kermatoides* - *D. lucidum* - *Lymnaea columella* - *L. viatrix* - *Physa acuta* - *P. marmorata* - synonymy - Argentina

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The specimens were killed and preserved as described elsewhere (Paraense 2003). Voucher specimens are deposited in the Malacological Collection of the Oswaldo Cruz Institute.

## Genus *Acorbis* Odhner, 1937

*Acorbis petricola* Odhner, 1937 - Salto Encantado waterfall from Arroyo Cuñapirú, at Aristóbulo Del Valle (Misiones). Morphology in Paraense and Deslandes (1959, 1960), Paraense (1986a), and Scott (1960).

## Genus *Antillorbis* Harry & Hubendick, 1964

*Antillorbis nordestensis* (Lucena, 1954) - Pond near Cuatro Bocas (Entre Ríos); ditch at Rosas, Arroyo Videla between Azul and Chillar (Buenos Aires); Lago Mascardi (Río Negro). Morphology in Paraense and Deslandes (1958b) and Paraense (1975a).

This species was originally described from Belgrano and Tigre (Argentina) as *Planorbis pfeifferi* by Strobel (1874), a primary homonym of the African *Planorbis pfeifferi* Krauss, 1848.

## Genus *Biomphalaria* Preston, 1910

*Biomphalaria intermedia* (Paraense & Deslandes, 1962) - Arroyo San Juan at Candelaria, ditch at Parque Nacional del Iguazú near Puerto Iguazú, Laguna Capibary

and Laguna Curuzú at Itapúa, Laguna Madanto at Santo Pipó (Misiones). Morphology in Paraense and Deslandes (1962).

*Biomphalaria oligoza* Paraense, 1974 - Río Santa Lucía at San Roque (Corrientes); pond near Dos Ríos (Córdoba). Morphology in Paraense (1974).

*Biomphalaria orbigny* Paraense, 1975 - Ditch near airport at Corrientes (Corrientes); marshes at Paraná (type locality) and Bajada Grande (Entre Ríos); Río Salado near Santo Tomé, pond at Rosario, pond near Pavón, Santa Fe (Santa Fe); pond near Vuelta de Obligado, marsh at Campana, laguna del Monte near San Miguel del Monte, ditch at Las Flores (Buenos Aires); ditch at Mendoza (Mendoza); ponds near Chancani (Córdoba); ponds at Castro Barros and Chemical (La Rioja); small pond near Termas de Río Hondo (Santiago del Estero); shallow pond near El Bracho, marsh near Dique El Cadillal (Tucumán); Laguna Rodeo near Volcán (Jujuy); pond at Embarcación, pond at Puesto La Mina between Hickmann and Dragones; pond at Los Blancos, pond between Los Blancos and Capitán Juan Page (Salta); ponds at Ingeniero Guillermo Juárez, Los Chiriguano, Estanislao del Campo (Formosa). Morphology in Paraense (1975b).

*Biomphalaria peregrina* (Orbigny, 1835) - Brook at Paso de los Libres, brook Capiquice near Bonpland, bog at Labougle, pond at Goya (Corrientes); marsh 10 km southward from San Salvador, grassy marsh near Raíces Oeste, Río Paraná at Paraná (Entre Ríos); ditch at San Carlos (Santa Fe); Arroyo Las Hermanas near San Nicolás de los Arroyos, ditch at Tronco Talar near San Fernando, ditch at Quilmes, brook Carnaval at Villa Elisa, marsh at La Plata, ditch between La Plata and Ensenada, flooded areas at Lisandro Olmos and Brandsen, Río Salado at Las Flores, ditches at Rosas and near Parish, Arroyo del Azul, Arroyo Videla between Azul and Chillar, Segundo Brazo de los Tres Arroyos under bridge, Río Sauce Chico near Bahía Blanca (Buenos Aires); irrigation ditches from Río Negro, ditches at Pomona - Isla Choel Choel Grande (Río Ne-

gro); irrigation ditch from Río Limay at Neuquén, brook at Puesto La Tereza (Neuquén); ditch emptying into Arroyo Negro near San Carlos (Mendoza); Laguna Comedero (Salta); ditch at Montecarlo (Misiones). Morphology in Paraense (1966).

*Biomphalaria straminea* (Dunker, 1848) - Pond near Arroyo Riachuelo (Corrientes); Laguna La Guardia (Santa Fe); creek at Tigre, pond at Vicente López (Buenos Aires); dam on Río Tercero at Villa Rumipal (Córdoba). Morphology in Paraense and Deslandes (1955b) as *Australorbis centimetralis*.

*Biomphalaria tenagophila* (Orbigny, 1835) - Pond at Paso de los Libres, Arroyo Porá near Bonpland, marsh connected with Arroyo Castillo at Curuzú-Cuatiá, Río Santa Lucía at San Roque, swamp at Yacarey (Corrientes); pond at Posadas, Laguna Madanto (Misiones); swamps at Lapachito and Presidencia Roque Sáenz Peña (Chaco); ponds at Las Lomitas, Apeadero Bruchard and Los Matacos, swamp near Tres Mojones (Formosa); Río Salado, near Santo Tomé, brook at Rosario (Santa Fe); grassy marsh near Federación, creek near San Salvador, grassy marshes near Pedernal and Raíces Oeste (Entre Ríos); Arroyo Calimayo, Arroyo Tala near Leocadio Paz (Tucumán); pond at Los Avalos (Jujuy); pond near Termas de Río Hondo, creek from a marsh to Río Dulce (Santiago del Estero). Morphology in Paraense and Deslandes (1955a) as *Australorbis nigricans*.

#### Genus *Drepanotrema* Crosse & Fischer, 1880

*Drepanotrema anatinum* (Orbigny, 1835) - Arroyo Porá near Bonpland, swamp at Yacarey (Corrientes); pond at Resistencia (Chaco); ponds at Las Lomitas, Apeadero Bruchard and Los Matacos, Laguna de los Índios, swamp at Puerto Vélaz (Formosa); Arroyos Yerúa and Ayuí Grande, near Concordia (Entre Ríos); Laguna La Guardia, Laguna Los Espejos (Santa Fe). Morphology in Paraense and Deslandes (1956a).

*Drepanotrema cimex* (Moricand, 1837) - Laguna Mansa at Paso de los Libres (Corrientes); pond at Resistencia (Chaco), ditch at Parque Nacional de Iguazú (Misiones); Laguna Los Espejos (Santa Fe); Arroyo Yerúa, near Concordia (Entre Ríos). Morphology in Paraense and Deslandes (1958a).

*Drepanotrema depressissimum* (Moricand, 1837) - Pond near Paso de la Patria (Corrientes); swamps at Makallé and Lapachito, ponds at Resistencia and Presidencia de La Plaza; swamp at Presidencia Roque Sáenz Peña (Chaco); ponds at San Salvador de Jujuy (Jujuy); pond at Puesto La Mina, between Hickmann and Dragones, pond at Los Blancos (Salta); ponds at Ingeniero Juárez, Las Lomitas, Estanislao del Campo, Apeadero Bruchard, Los Chiriguano, Los Matacos and San Hilario, Laguna de los Índios, flooded area at San Hilario (Formosa). Morphology in Paraense and Deslandes (1957).

*Drepanotrema heloicum* (Orbigny, 1835) - Grassy marsh near Raíces Oeste (Entre Ríos); marsh at Campana, ditch at Tronco Talar near San Fernando, marsh at Tigre, Arroyo Sarandí and ditch at San Isidro, ditches between La Plata and Ensenada, brook Carnaval at Villa Elisa,

flooded areas at Lisandro Olmos and Brandsen, ditch at Rosas (Buenos Aires). Morphology in Paraense (1965).

*Drepanotrema kermatoides* (Orbigny, 1835) - Brook at Paso de los Libres, ditches at Corrientes (Corrientes); pond at Chajarí, grassy marsh near Federación, Arroyo Yerúa near Concordia; creek near San Salvador, grassy marsh near Raíces Oeste, ditch at Rosario del Tala (Entre Ríos); pond at Rosario (Santa Fe); pond near Vuelta de Obligado, marsh at Campana, ditch at Tronco Talar near San Fernando, pond at Pavón, Arroyo Sarandí at San Isidro, ditch at Quilmes, pond at Florencio Varela, Arroyo Carnaval at Villa Elisa, flooded areas at Lisandro Olmos, Brandsen, Partido General Paz, ditch at Las Flores, ditch at Rosas (Buenos Aires); irrigation ditch at Isla Choele Choele Grande (Río Negro); swamp near dam at Cruz del Eje (Córdoba); pond at Aquilares, swamp near Pozo del Alto, swamp near El Cadillal (Tucumán); bog near Palomitas (Salta). Morphology in Paraense and Deslandes (1958c).

*Drepanotrema lucidum* (Pfeiffer, 1839) - Laguna Madanto at Santo Pipó (Misiones); pond at Paso de los Libres, Arroyo Porá near Bonpland, Arroyo Pilincho at Monte Caseros, swamp at Yacarey, flooded area at San Luis del Palmar, pond near Paso de la Patria, ditches at Corrientes (Corrientes); ponds at Resistencia, ditch at Puerto Vilelas, swamp at Lapachito, pond at Presidencia de La Plaza, swamp at Presidencia Roque Sáenz Peña (Chaco); Arroyo Yerúa near Concordia (Entre Ríos); Laguna La Guardia, Laguna Los Espejos (Santa Fe); Río de los Blancos (Jujuy); pond at Los Blancos (Salta); ponds at Las Lomitas, Apeadero Bruchard and Los Matacos (Formosa). Morphology in Paraense and Deslandes (1956b) as *D. melleum*.

#### Genus *Lymnaea* Lamarck, 1799

*Lymnaea columella* Say, 1817 - Grassy marshes at Paso de los Libres and Ituzaingó (Corrientes); grassy marsh between Federación and Concordia (Entre Ríos). Morphology in Paraense (1983).

*Lymnaea viatrix* Orbigny, 1835 - Arroyo del Antonico and ditch at Paraná, (Entre Ríos); irrigation ditches at Viedma, ditch at Choele-Choele Grande, Río Manso at Bariloche (Río Negro); marshes bordering road at Neuquén, flooded areas and saline brook near Zapala, between Arroyo Covunco and Río Agrijo, and draining to Río Grande at Bardas Blancas, brook at Chos Malal, ditches at Puesto La Tereza and Piedra del Águila, left affluent of Río Manso Superior near Pampa Linda, brook at San Martín de los Andes, marsh at Catán Lil (Neuquén); ditch emptying into Arroyo Negro near San Carlos, ditch at Mendoza (Mendoza); Arroyo Saltos Blancos (San Juan); pond at Córdoba, ditch at Salsacate (Córdoba); marshes at Comandante Luis Piedra Buena and Gobernador Gregores (Santa Cruz). Morphology in Paraense (1976).

#### Genus *Physa* Draparnaud, 1801

*Physa acuta* Draparnaud, 1805 - Senior synonym of *Physa cubensis* (see Paraense & Pointier, 2003) - Ditches at Corrientes (Corrientes); ditches at Mendoza, dam El Carrizal (Mendoza).

*Physa marmorata* Guilding, 1828 - Ponds at Resistencia (Chaco); ditch at Corrientes (Corrientes); marshes at Campana and Tigre; ditch between Ensenada and La Plata; pond at Vuelta de Obligado (Buenos Aires). Morphology in Paraense (1986b).

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