

Genitalia of the Neotropical orb-weaver genus *Eustala* (Araneae, Araneidae)

by **Herbert Walter Levi**

(Compiled by T. Hesselberg – 2009)



Source:

Museum of Comparative Zoology.

<http://www.oeb.harvard.edu/faculty/levi/eustala.html>

Keys:

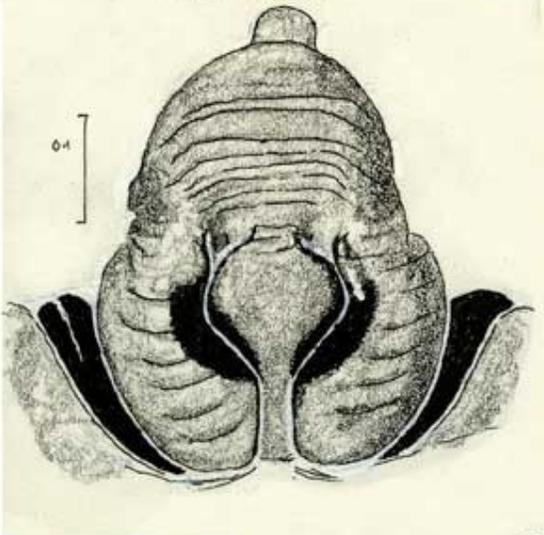
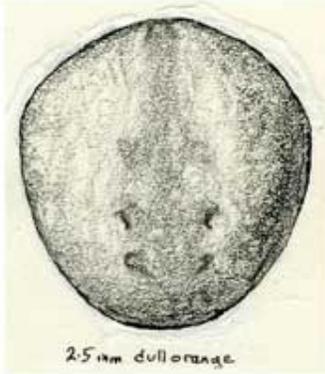
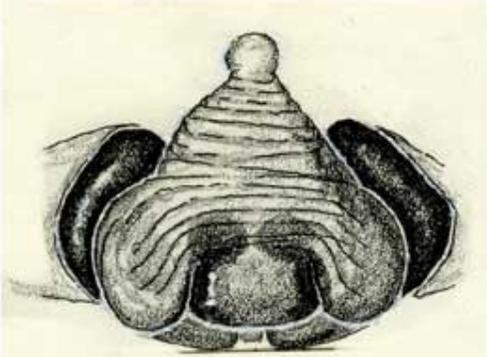
CHICKERING A. M. 1955. The genus *Eustala* (Araneae, Argiopidae) in Central America. *Bulletin of the Museum of Comparative Zoology*, **112**(6):389-518.

Levi H. W. 1977. American orb-weaver genera *Cyclosa*, *Metazygia*, and *Eustala* ... *Bulletin of the Museum of Comparative Zoology*, 148(3):61-127

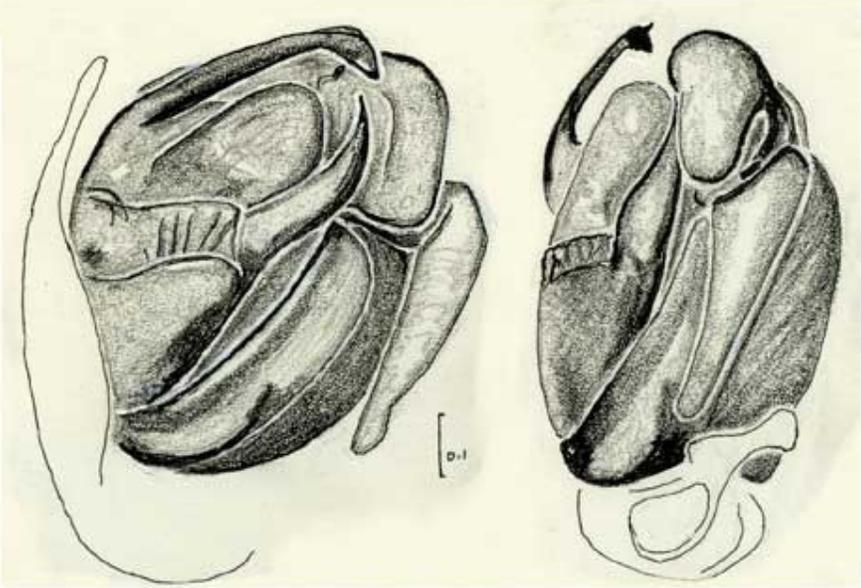
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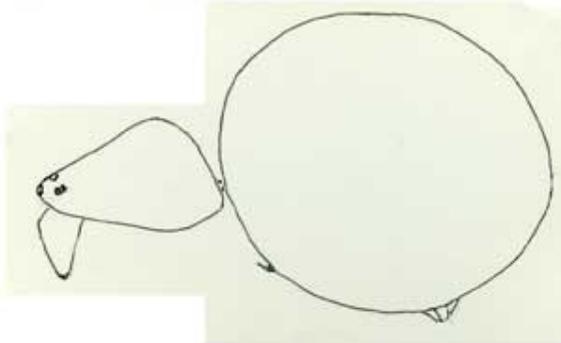
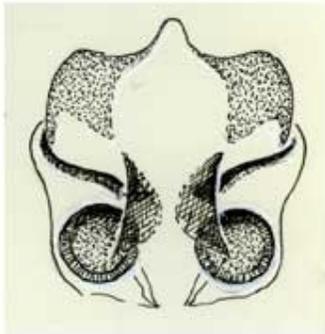
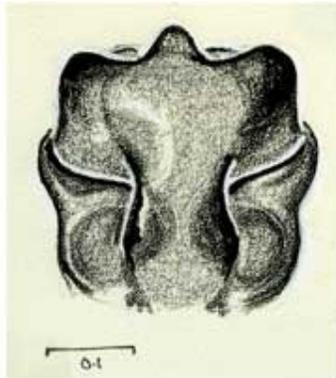
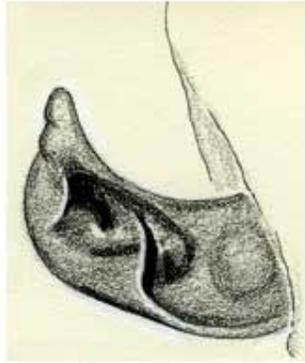
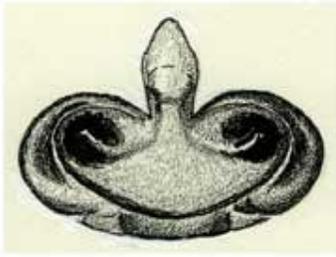
Eustala conformans



Eustala conformans Chamberlin, 1925
From: Barro Colorado Island, Lago Gatun, PANAMA
♀ Holotype: in MCZ (MCZ catalog no. 21453)
Museum of Comparative Zoology (Cambridge, MA)
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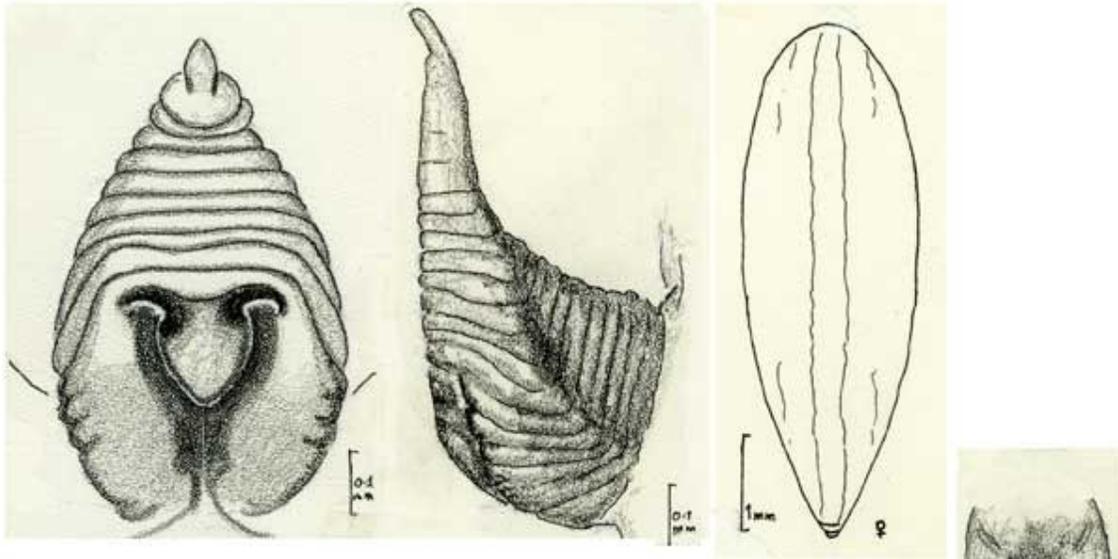


Eustala fragilis



Eustala fragilis (O.P.-Cambridge)
Epeira fragilis O. P.-Cambridge, 1889
From: Bugaba, PANAMA
♀ Holotype, examined 1975
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London, England UK
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Eustala fuscovittata



***Eustala fuscovittata* (Keyserling)**

Epeira fuscovittata Keyserling, 1864

Nephila hirta Taczanowski, 1873, Holotype from Fr. Guiana

Cyclosa thorelli McCook, 1894, Holotype from Key West, Florida

Epeira caudata Banks, 1898, Holotype from Tepic, Baja California, Mexico

Eustala richardsi Mello-Leitao, 1939, Holotype from Guyana

From: Widespread, ventral view of epigynum illustration from Cayenne, Fr. Guiana (HT of *Nephila hirta*), all others from Panama.

From: Bogota, COLOMBIA

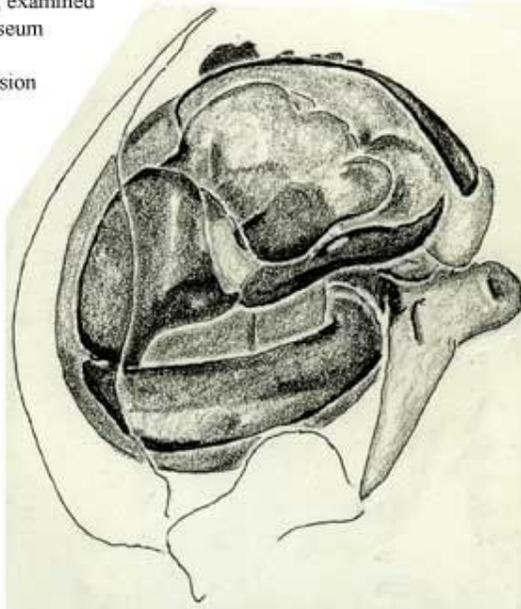
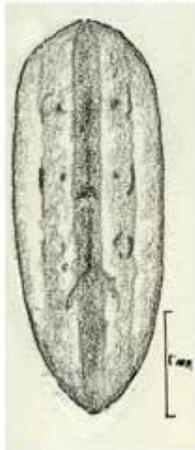
♀♂ Syntypes in BMNH, examined

The Natural History Museum

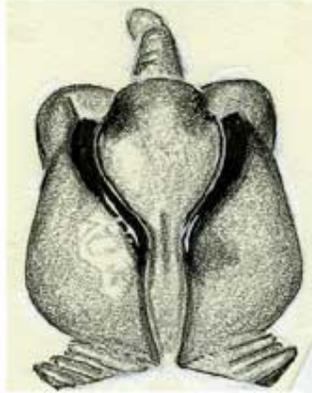
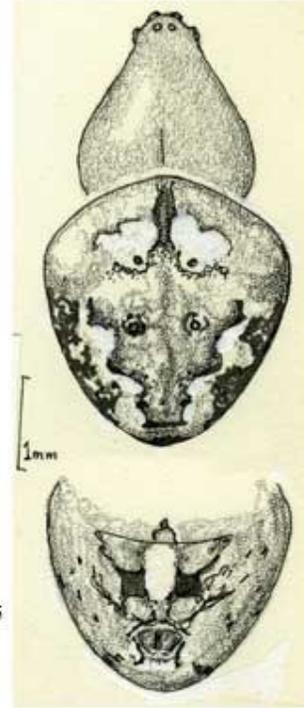
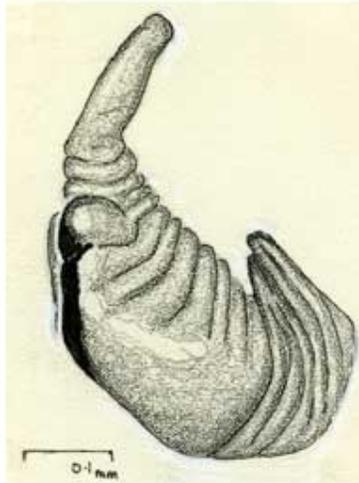
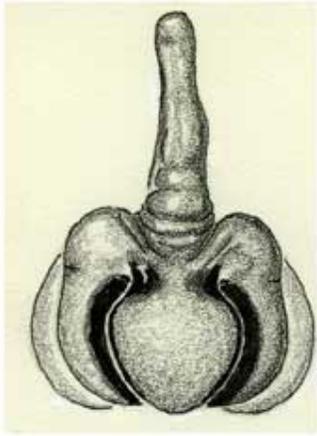
London, England UK

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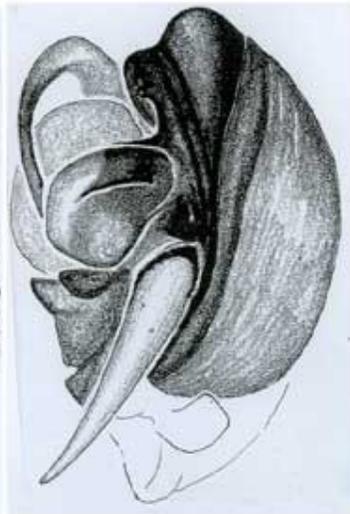
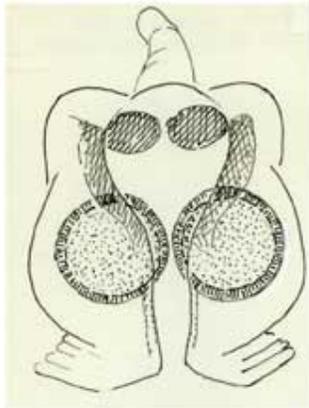
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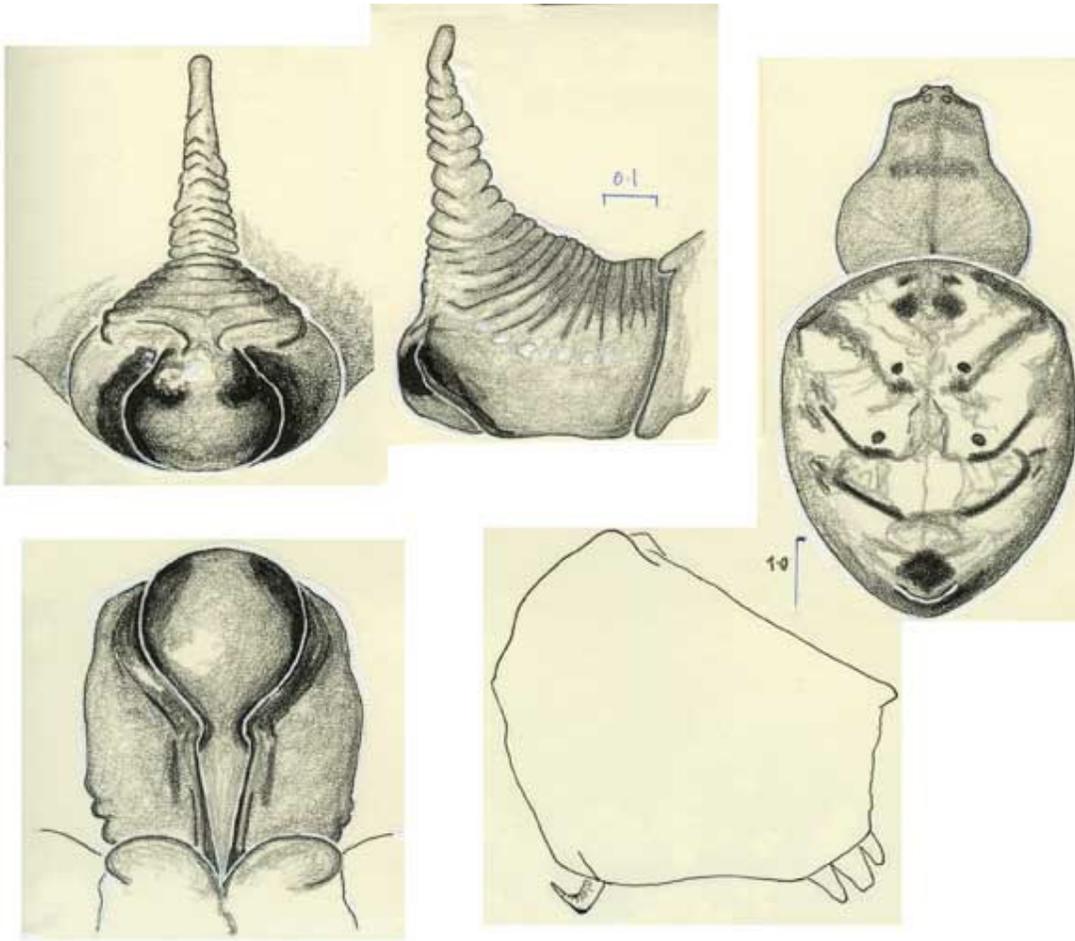
Eustala guttata



Eustala guttata F. O. P.-Cambridge, 1904
From: Bugaba, PANAMA
♀ Lectotype, ♂ Paralectotype, examined 1975
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London, England UK
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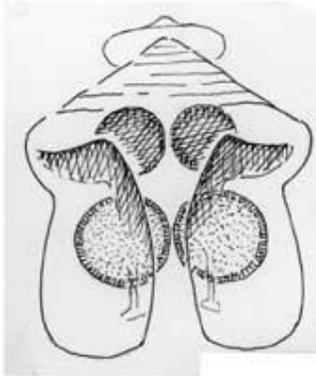
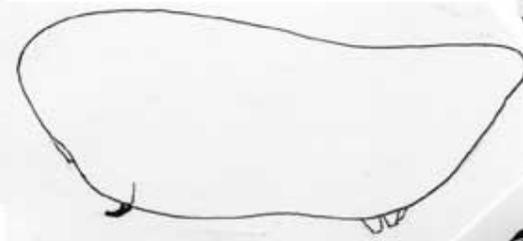
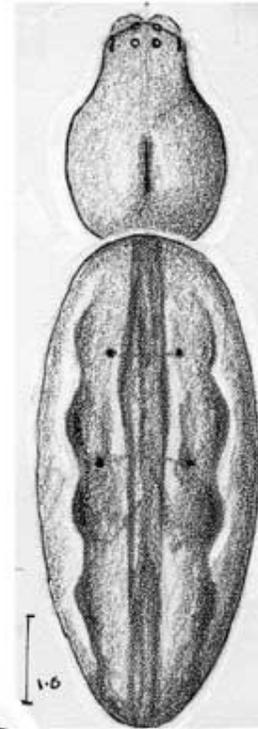
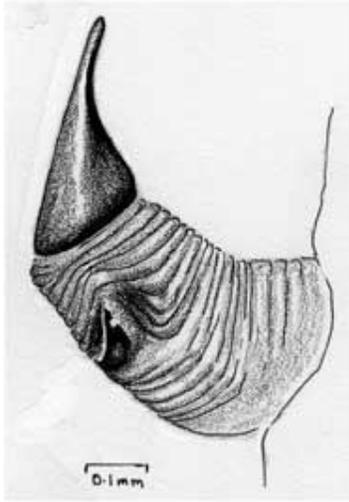


Eustala histrio



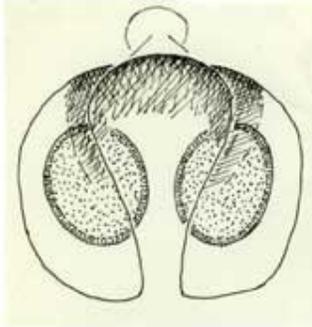
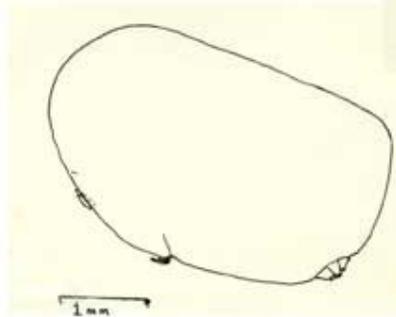
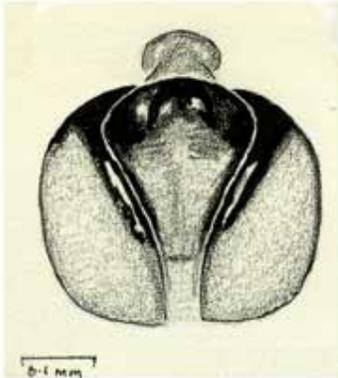
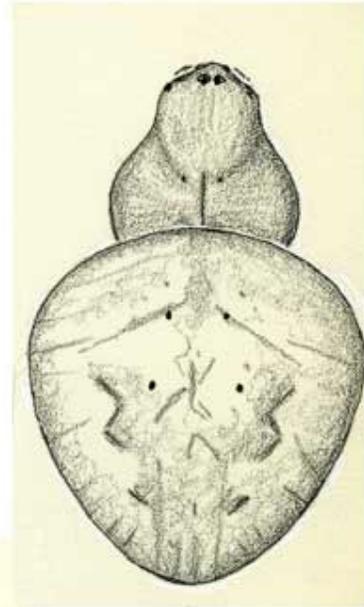
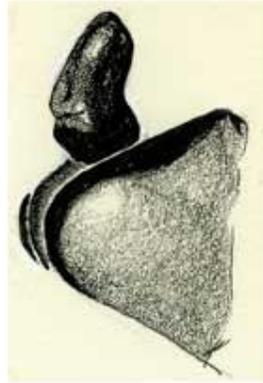
Eustala histrio Mello-Leitão, 1948
From: Takama River, Cattle Trail Survey, GUYANA
♀ Holotype in BMNH, examined 1987
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London, England UK
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Eustala illicita



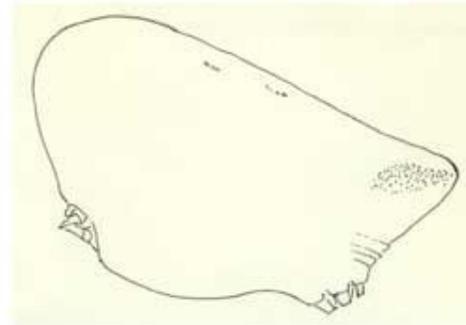
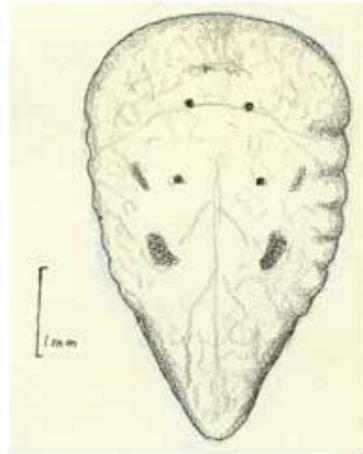
Eustala illicita (O.P.-Cambridge)
Epeira illicita O.P.-Cambridge, 1889
From: GUATEMALA
♂ Syntypes: in BMNH, examined 1975
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Eustala latebricola



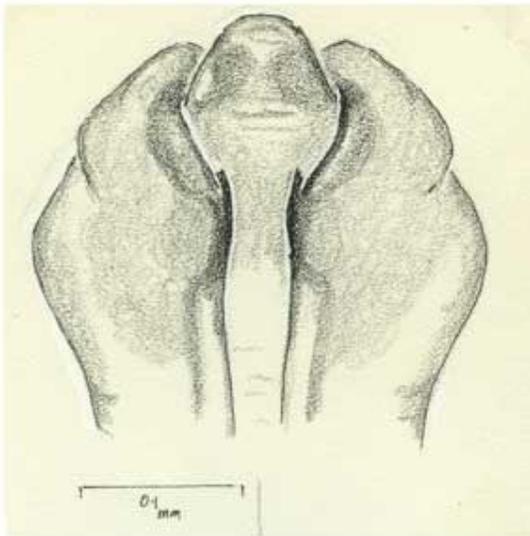
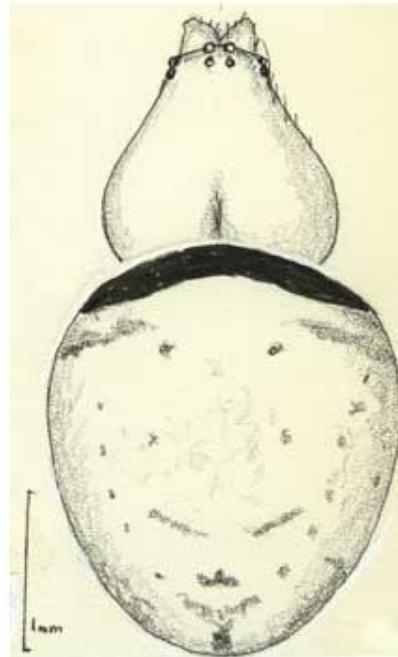
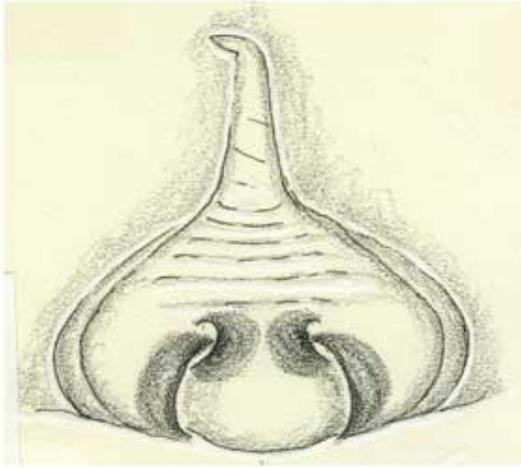
Eustala latebricola (O.P.-Cambridge)
Epeira latebricola O.P.-Cambr. 1889
From: Bugama, Panama
Holotype: in BMNH, examined 1975
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Eustala lunulifera



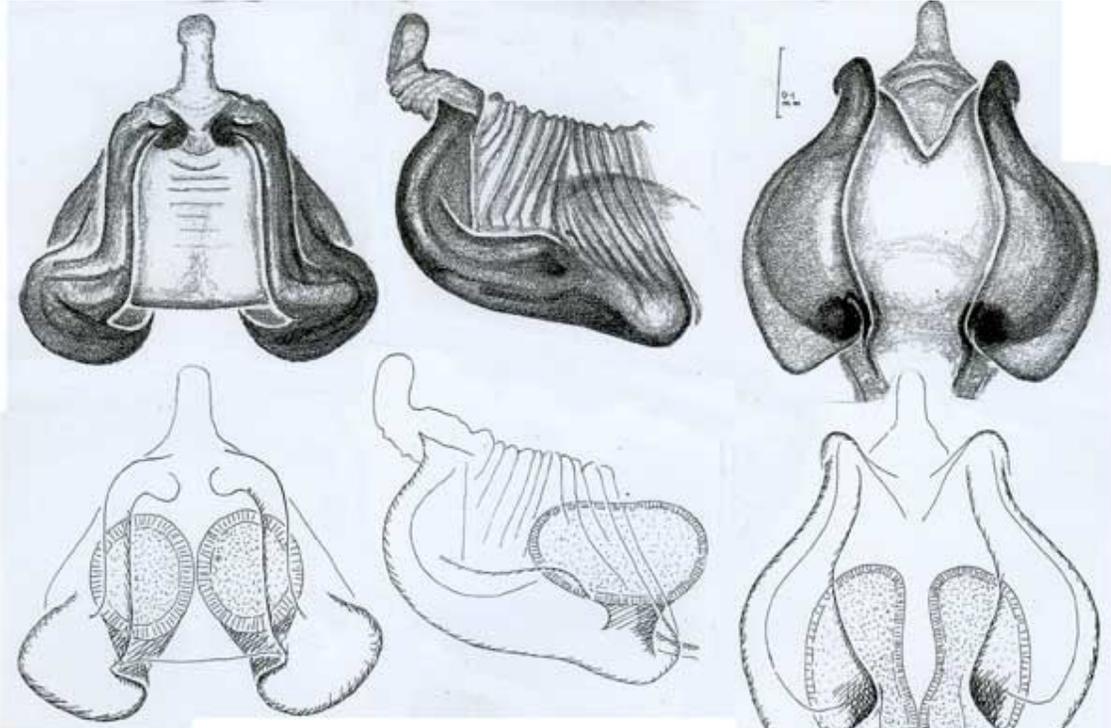
Eustala lunulifera Mello-Leitão, 1939
From: GUYANA
♀ Holotype in BMNH, examined 1973
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Eustala marginata

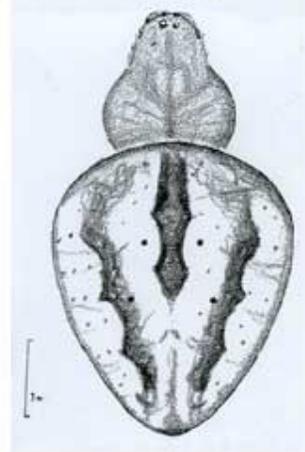
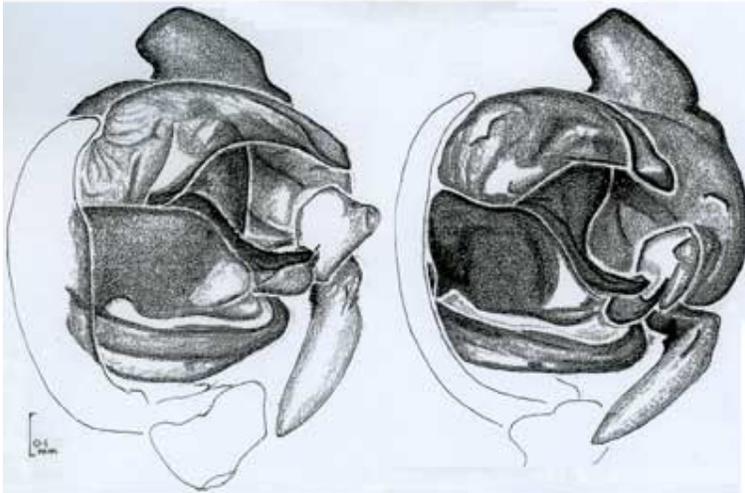


Eustala marginata Mello-Leitão, 1942
From: Chaco, ARGENTINA
♀ Holotype in MLP, examined 1974
Museo de La Plata
La Plata, Argentina
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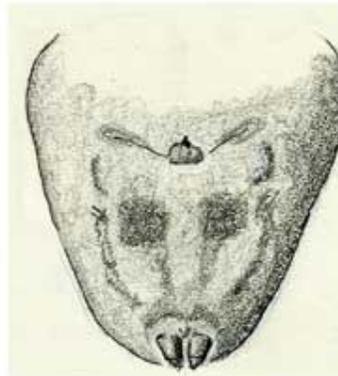
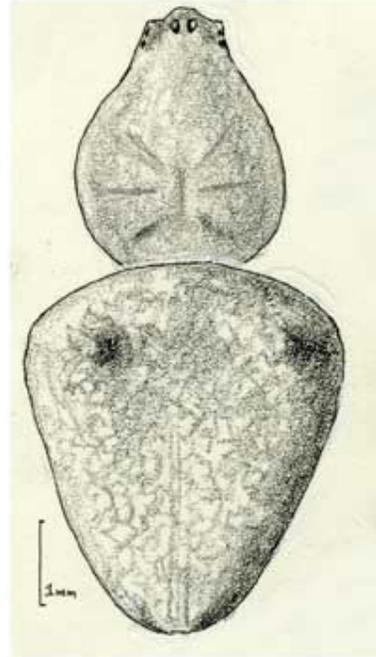
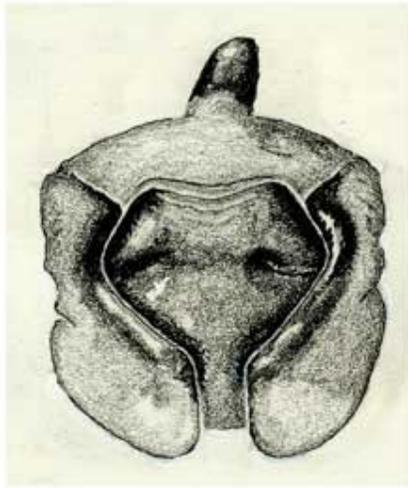
Eustala miniscula



Eustala miniscula (Keyserling)
Epeira miniscula Keyserling, 1892
Mangora miniscule - Roewer, 1942
From: Rio Grande do Sul, BRAZIL
Syntypes in BMNH, examined 1973
The Natural History Museum
London, England UK
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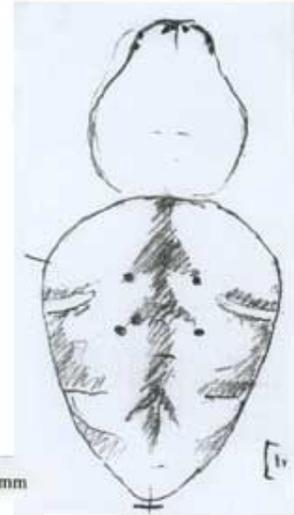


Eustala monticola



Eustala monticola Chamberlin, 1916
From: san Miguel, 6000ft. (1800m.),
southeastern PERU (Ayacucho?)
♀ Holotype: in MCZ (MCZ no. 216)
Museum of Comparative Zoology (Cambridge, MA)
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Eustala mourei



♀ Total length 8.5 mm



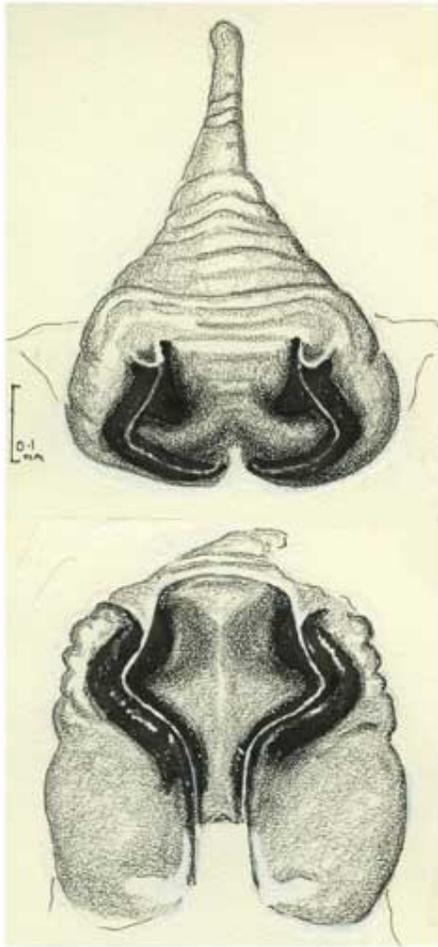
Eustala mourei Mello-Leitão, 1947
From: Barigui, Curitiba, Parana, BRAZIL
♀ Lectotype, ♂ paralectotype in Curitiba,
no. 2510, examined 1988
Museu de História Natural Capão da Imbuia
Curitiba, Paraná, Brasil
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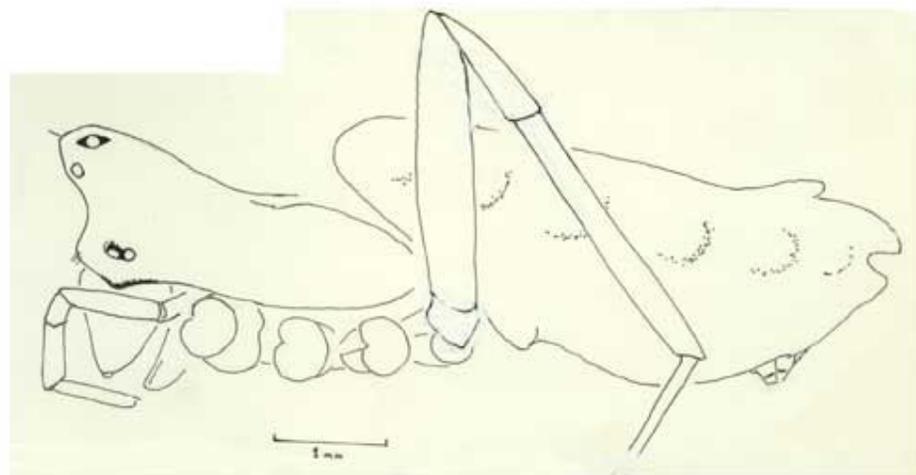
♂ Total length 6.5 mm



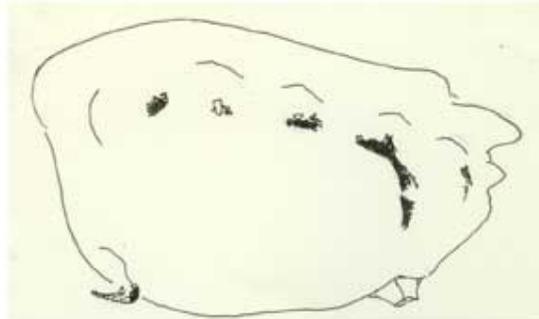
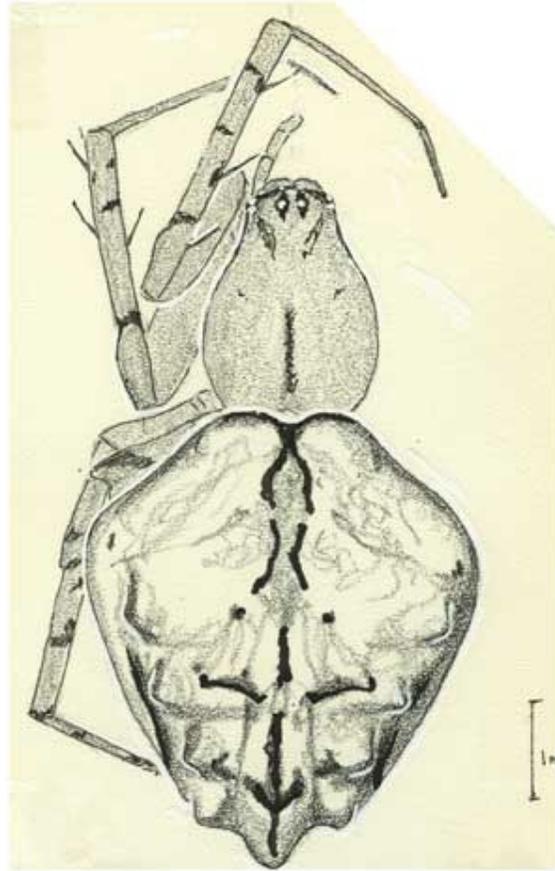
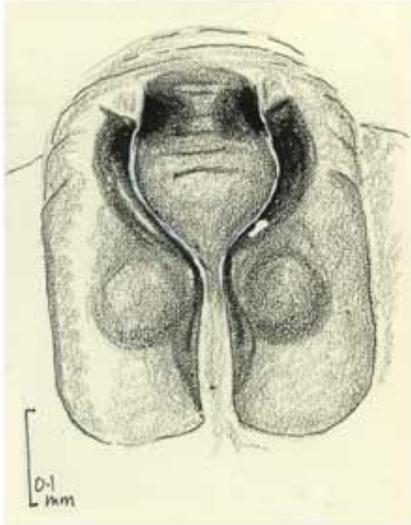
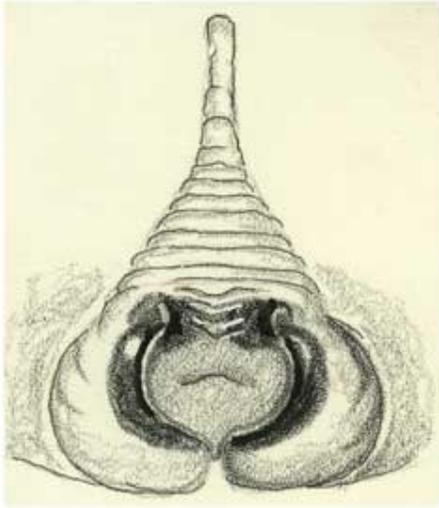
Eustala nasuta



Eustala nasuta Mello-Leitão, 1939
From: GUYANA
♀ Holotype in BMNH, examined 1973
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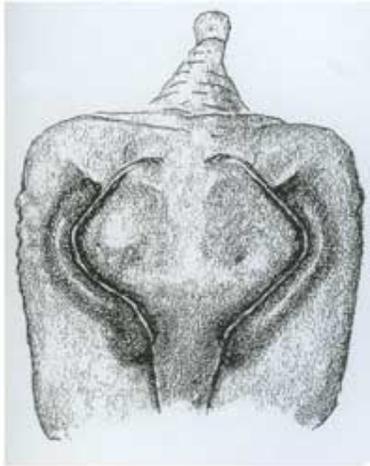
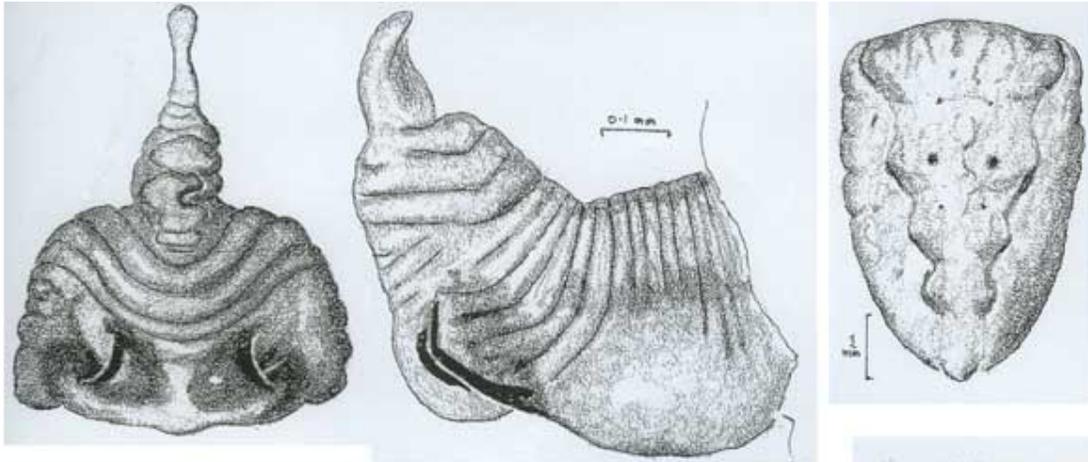


Eustala novemmamillata



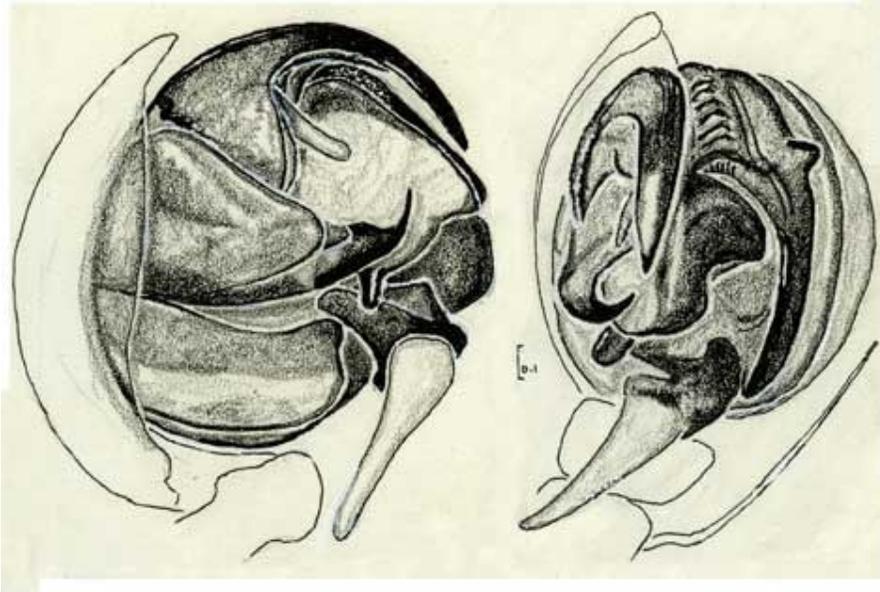
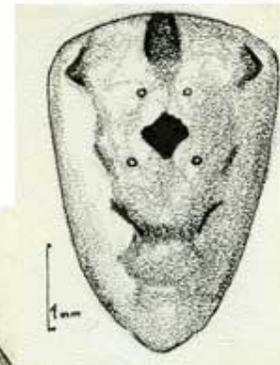
Eustala novemmamillata Mello-Leitão, 1941
From: Santa Fe, ARGENTINA
♀ Holotype in MLP, examined 1974
Museo de La Plata
La Plata, Argentina
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Eustala orina

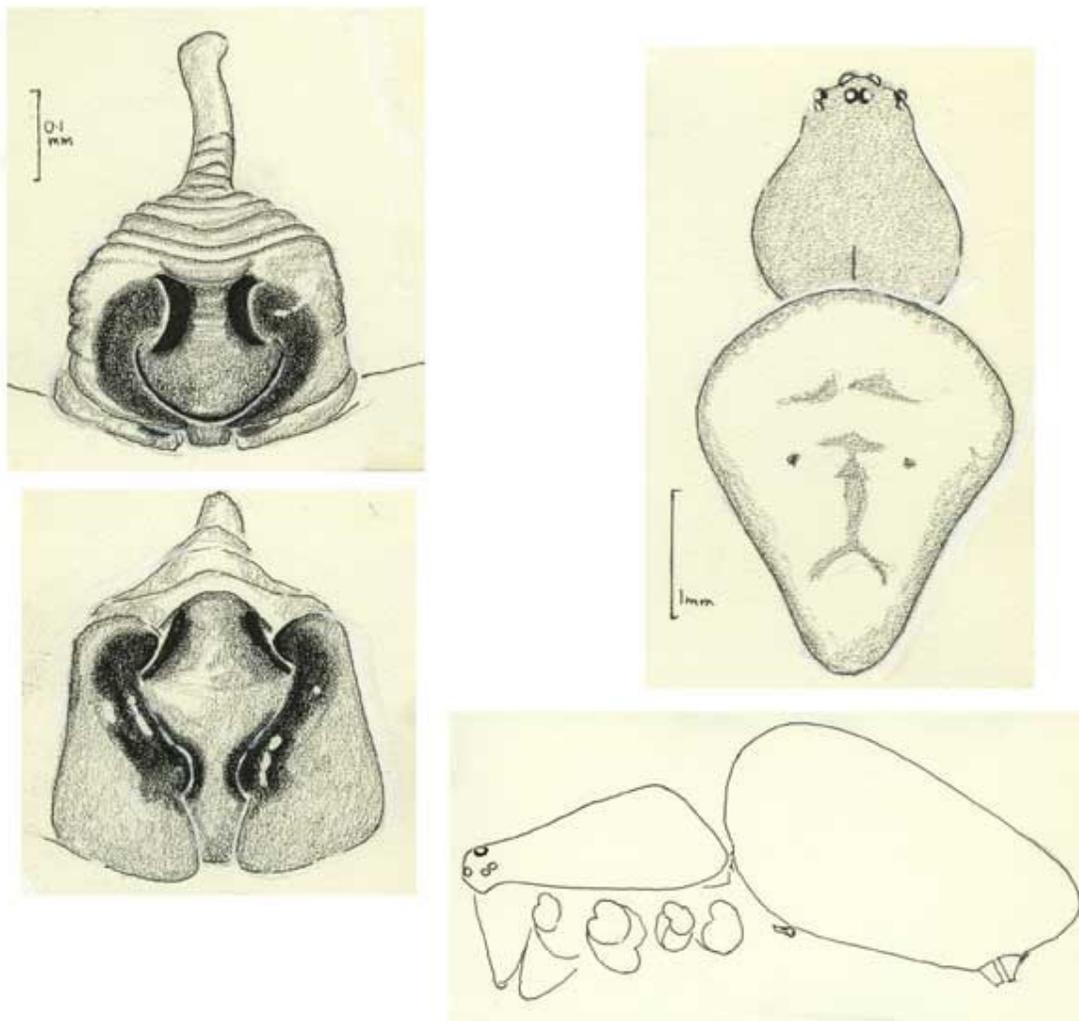


Eustala orina (Chamberlin)
Aranea orina Chamberlin, 1916
 ♂ from: San Miguel, southeastern Peru
 (? Ayacucho)
 ♂ HOLOTYPE: in MCZ (MCZ no. 227)

♀ collected with ♂ from Amable Maria, Junin, Peru
 in Taczanowski collection,
 determined as *Eustala guianensis* Tacz.
 If this is the same as *E. guianensis*
 from Guiana is uncertain, its type is lost.
 Museum of Comparative Zoology
 Harvard University
 Cambridge, MA, USA
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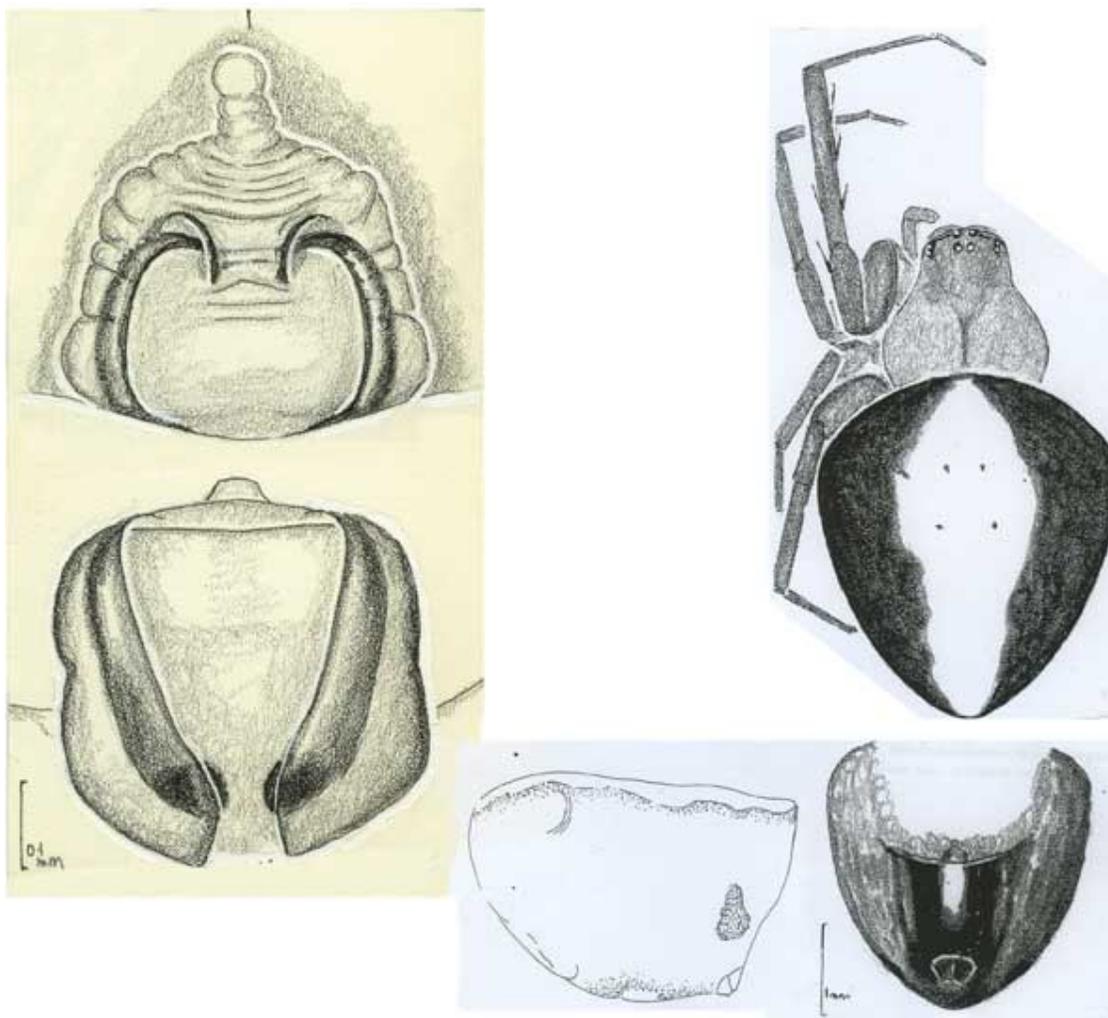


Eustala pallida



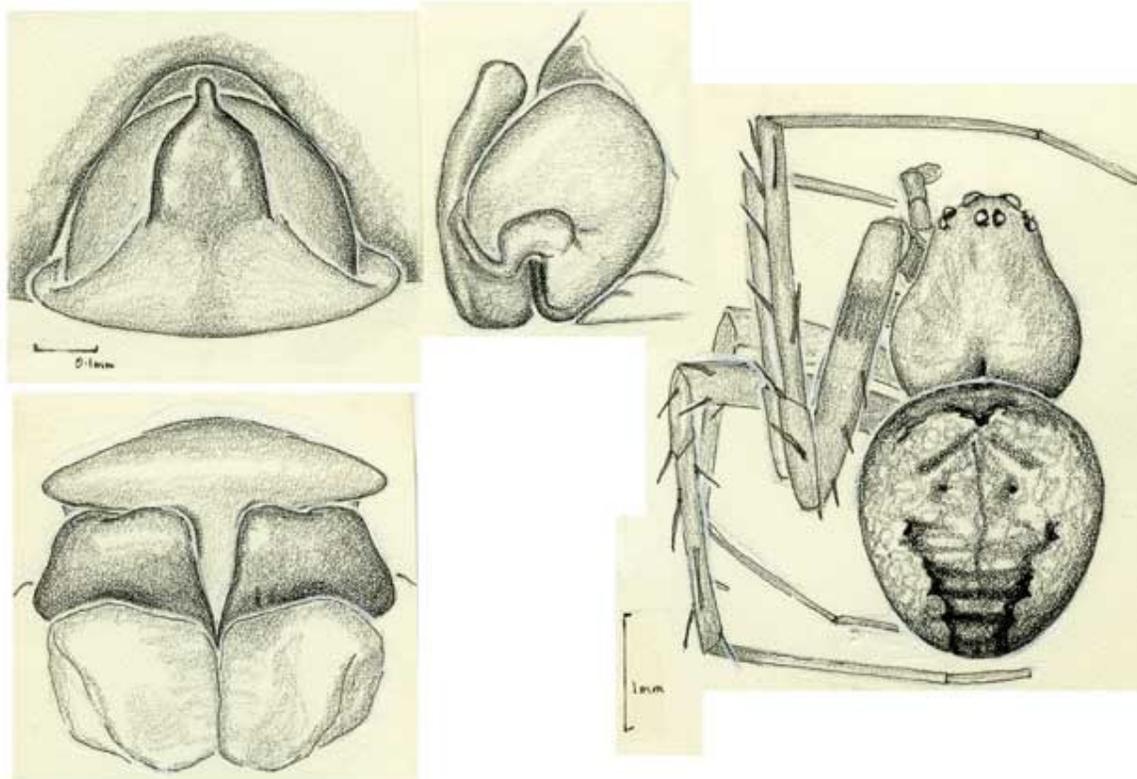
Eustala pallida Mello-Leitao, 1940
From: Rio Xingu (Mato Grosso, Para States), Brazil
♀ Holotype in MNRJ, examined 1974
Museu Nacional, Universidade Federal do Rio de Janeiro
Rio de Janeiro - RJ -Brazil
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Eustala photographica



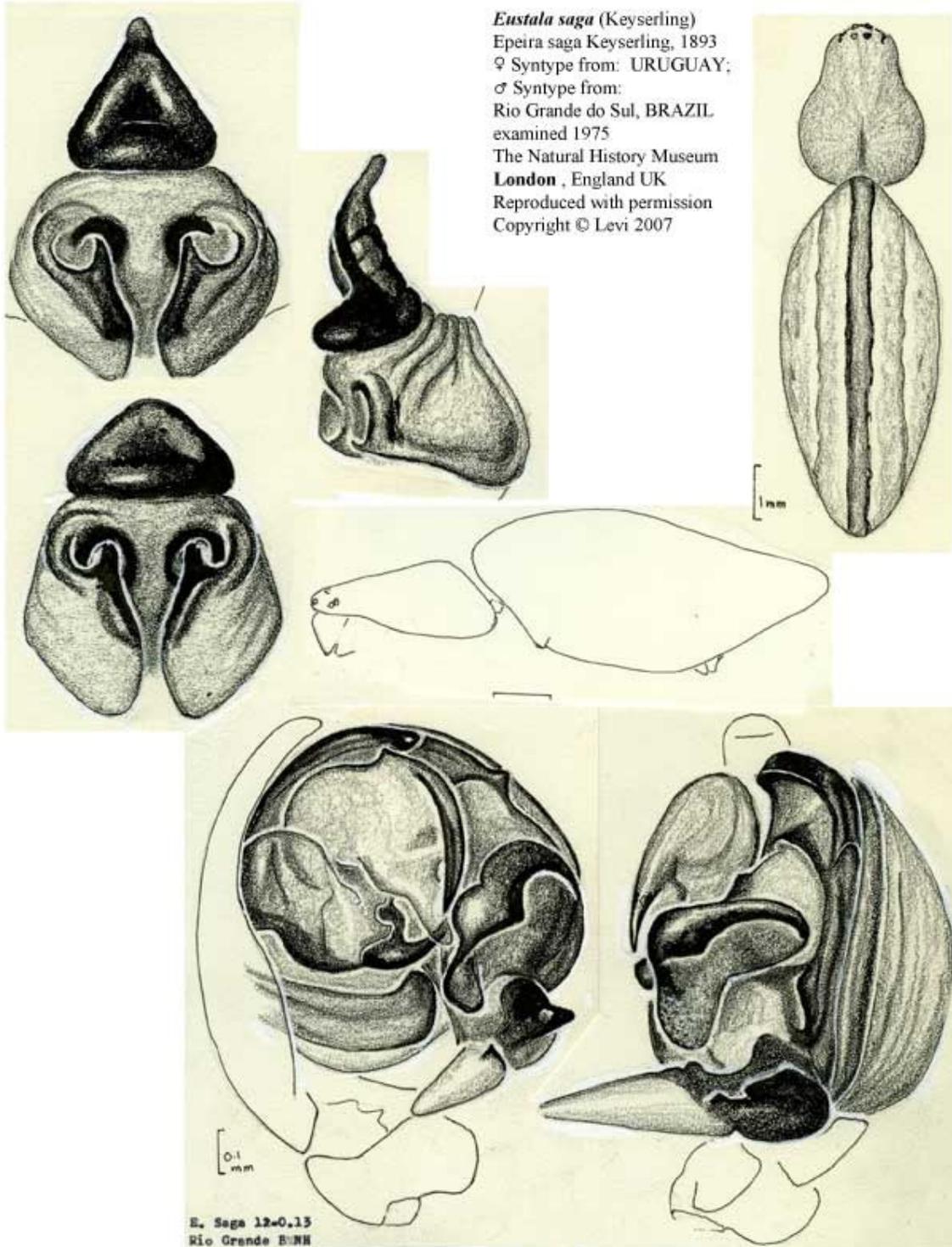
Eustala photographica Mello-Leitão, 1944
From: Buenos Aires, ARGENTINA
♀ Holotype in MLP, examined 1974
Museo de La Plata
La Plata, Argentina
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Eustala rubroguttulata

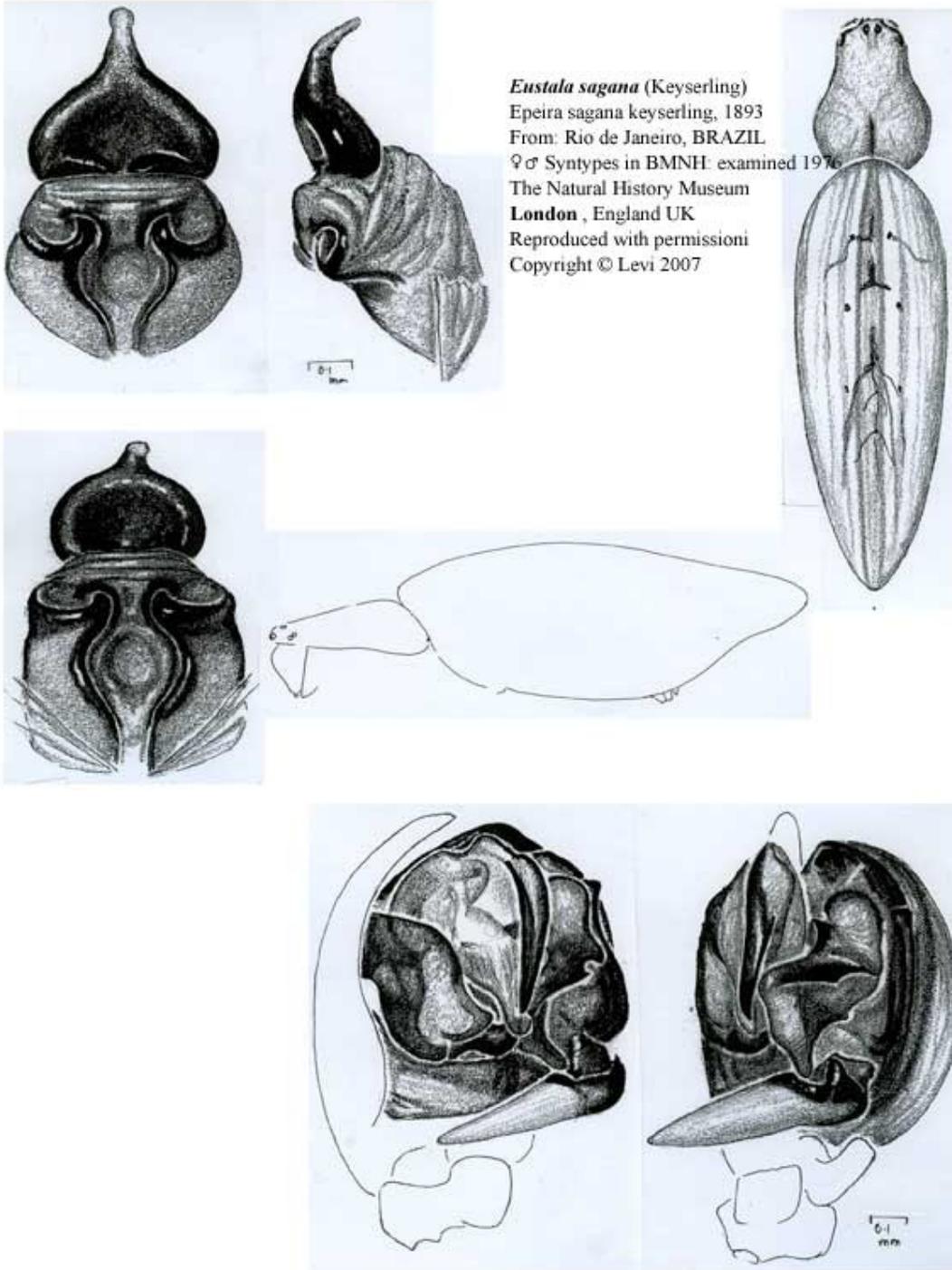


Eustala rubroguttulata (Keyserling)
Larinia rubroguttulata Keyserling, 1879
From: Amable Maria, Junin, Tarma Prov., PERU
♀ Holotype in PAN, examined 1974
Museum & Institute of Zoology PAS
Warszawa, Poland
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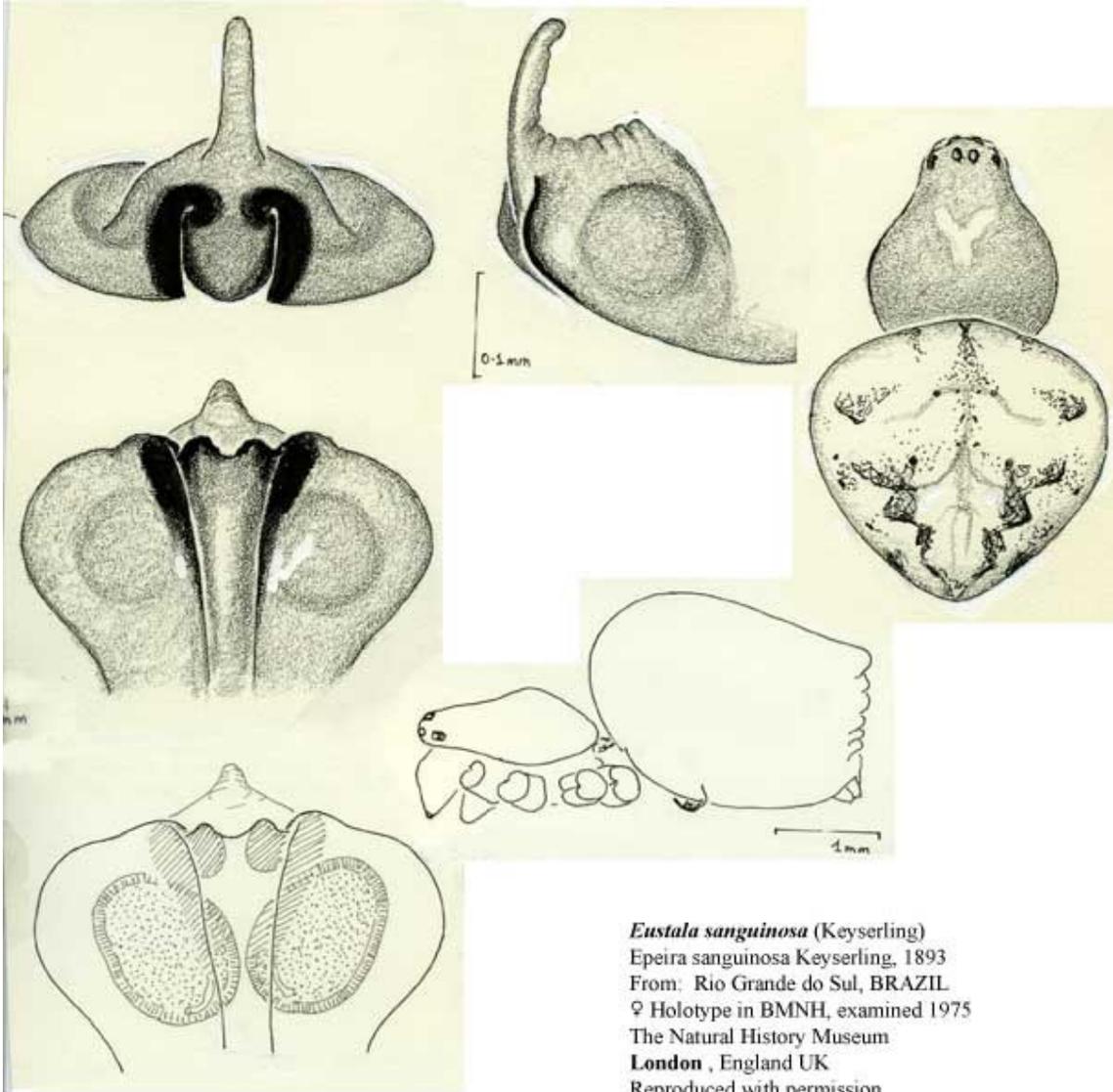
Eustala saga



Eustala sagana

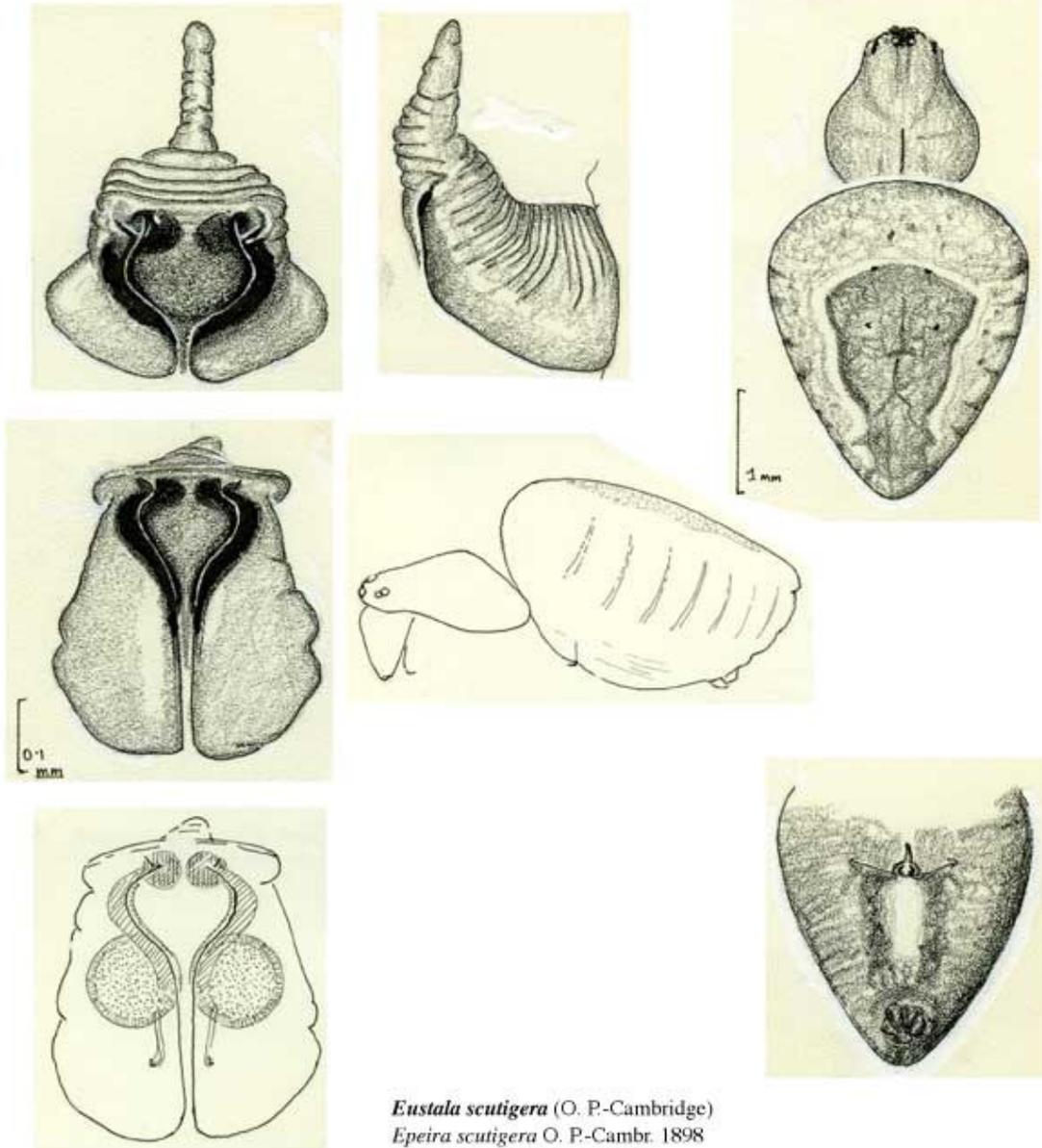


Eustala sanguinosa



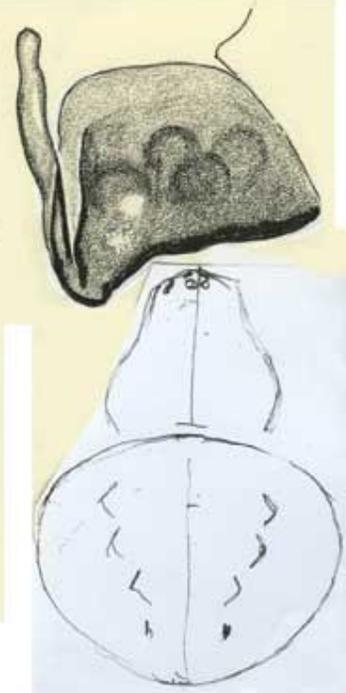
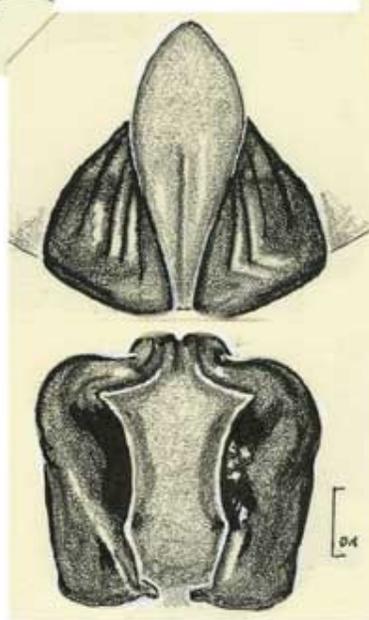
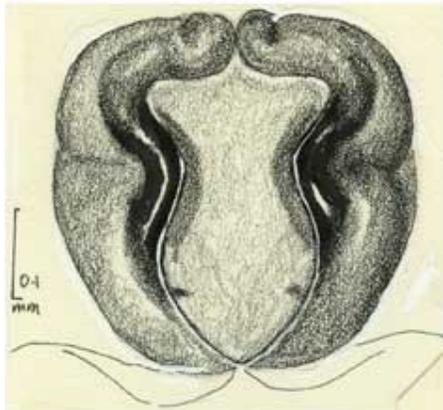
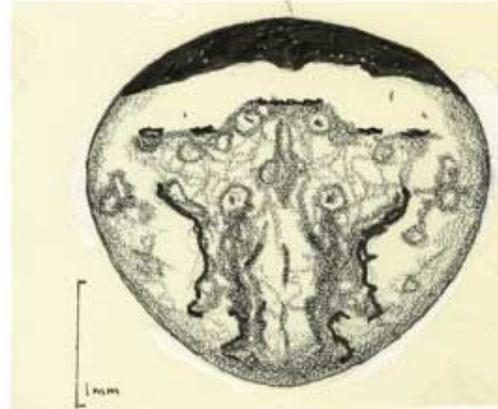
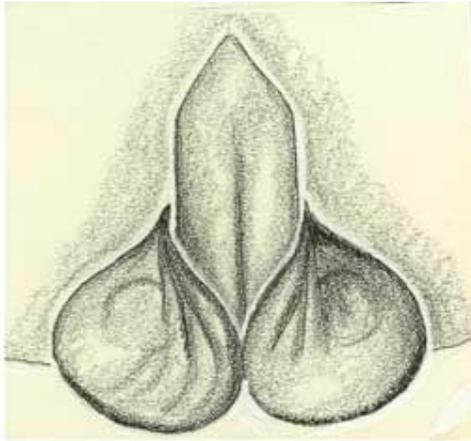
Eustala sanguinosa (Keyserling)
Epeira sanguinosa Keyserling, 1893
From: Rio Grande do Sul, BRAZIL
♀ Holotype in BMNH, examined 1975
The Natural History Museum
London, England UK
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Eustala scutigera



Eustala scutigera (O. P.-Cambridge)
Epeira scutigera O. P.-Cambr. 1898
From: Teapa, Tabasco, Mexico
Syntypes examined 1975
The Natural History Museum
London, England UK
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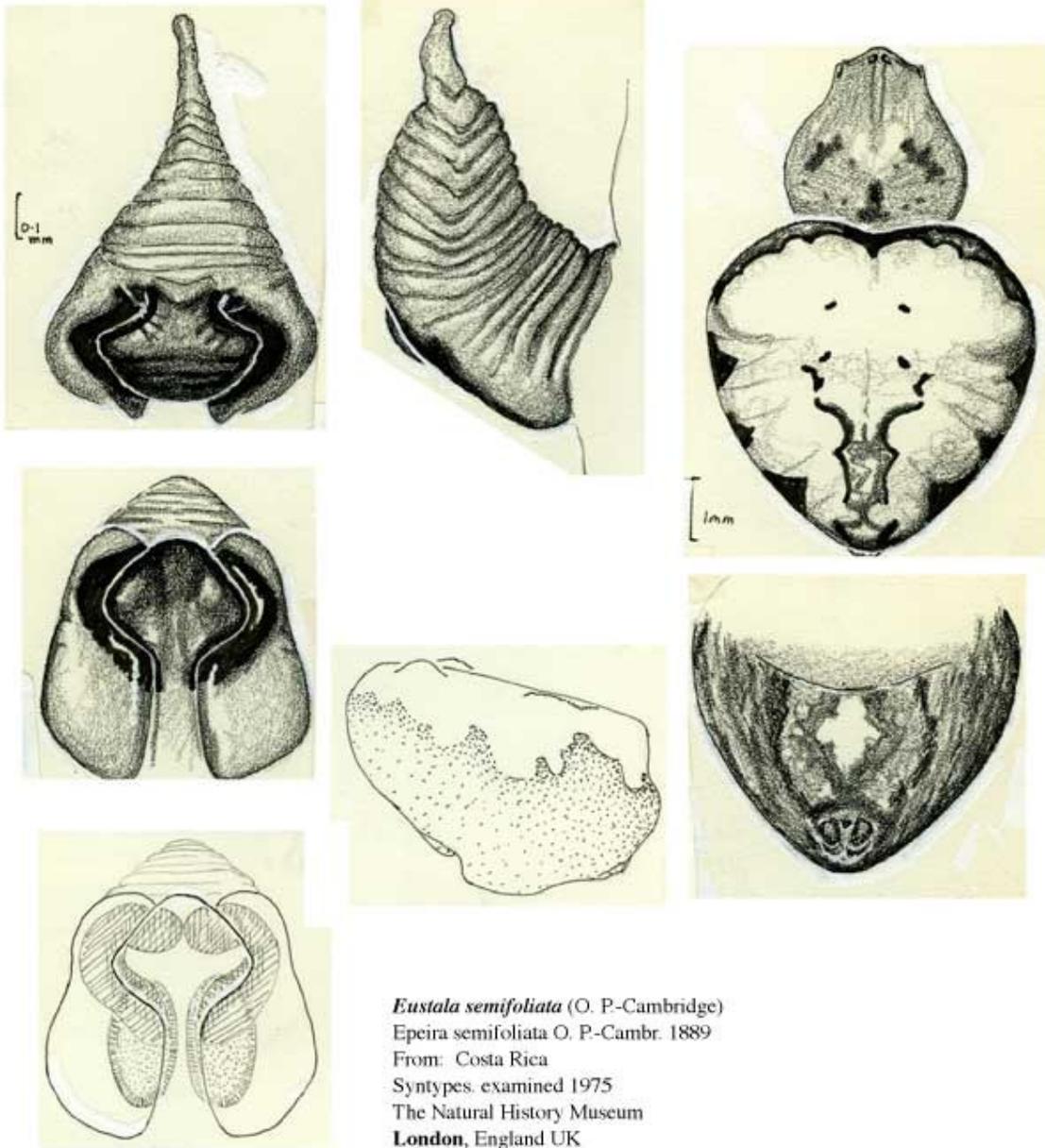
Eustala secta



Eustala secta Mello-Leitão, 1945
 This species may be a *Metazygia*, a male has to be found to ascertain the genus.
 From: Misiones Prov., ARGENTINA
 ♀ Holotype in MLP, examined 1974
 Museo de La Plata
 La Plata, Argentina
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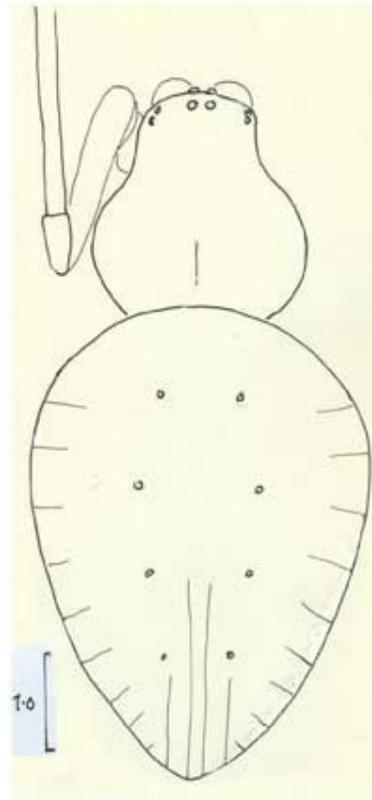
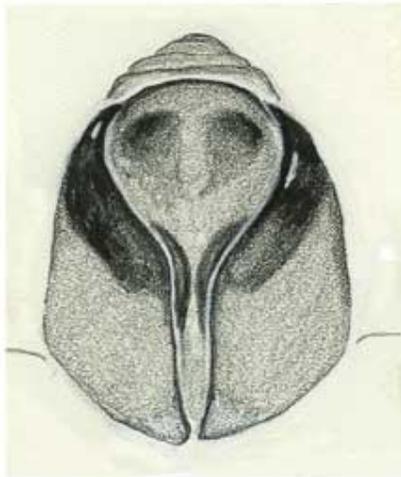
♀ from Rio Grande do Sul, Brazil, MCN no. 12858

Eustala semifoliata



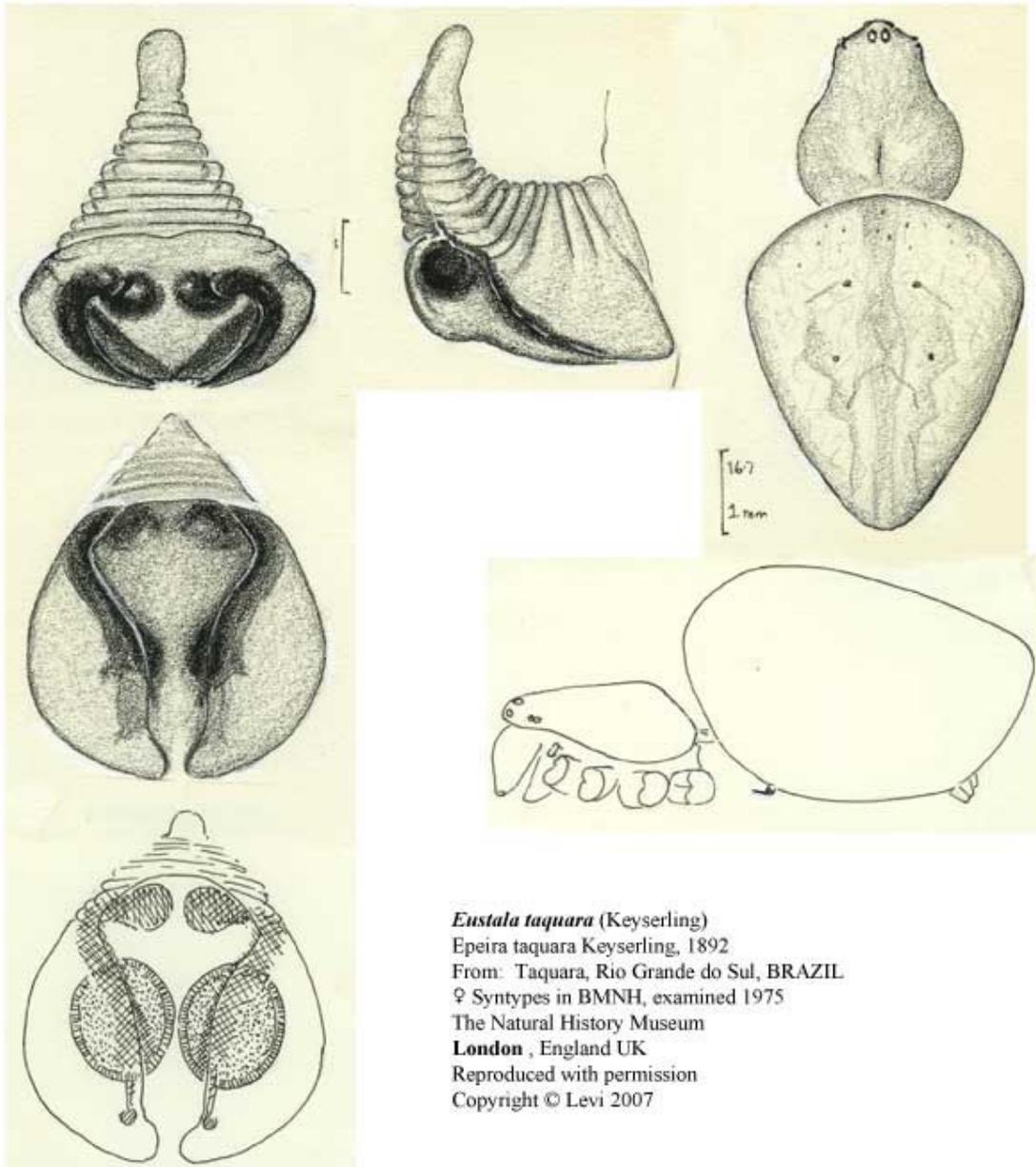
Eustala semifoliata (O. P.-Cambridge)
Epeira semifoliata O. P.-Cambr. 1889
From: Costa Rica
Syntypes, examined 1975
The Natural History Museum
London, England UK
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Eustala smaragdinea



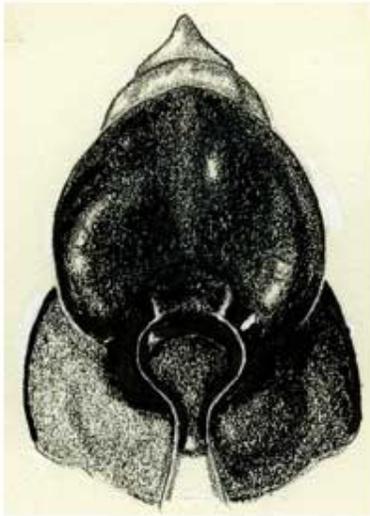
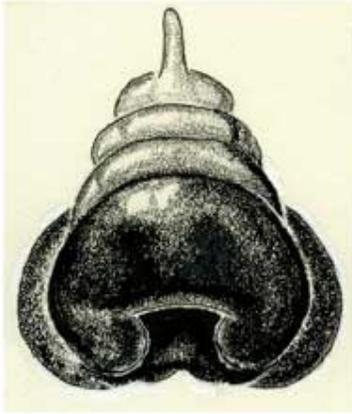
Eustala smaragdinea (Taczanowski, 1878)
Epeira smaragdinea Taczanowski, 1878
From: Amable Maria (Rio Chanchamayo,
Prov. Tarma, Junin, PERU
♀ Holotype in PAN, examined 1970
Polish Academy of Sciences (**Warszawa**)
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Eustala taquara

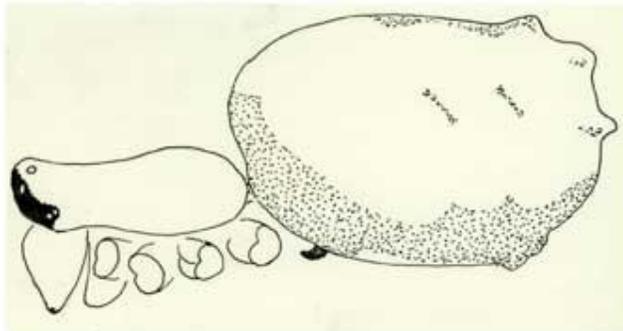
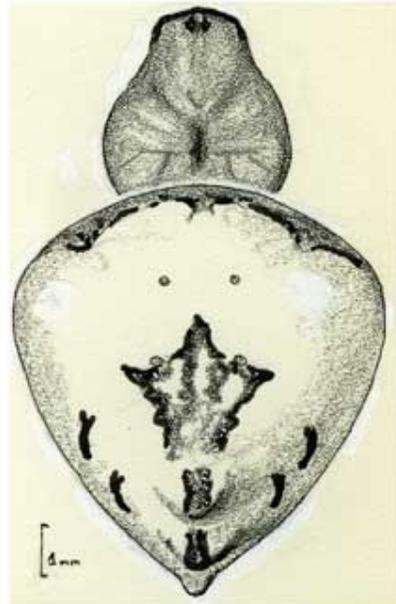


Eustala taquara (Keyserling)
Epeira taquara Keyserling, 1892
From: Taquara, Rio Grande do Sul, BRAZIL
♀ Syntypes in BMNH, examined 1975
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London, England UK
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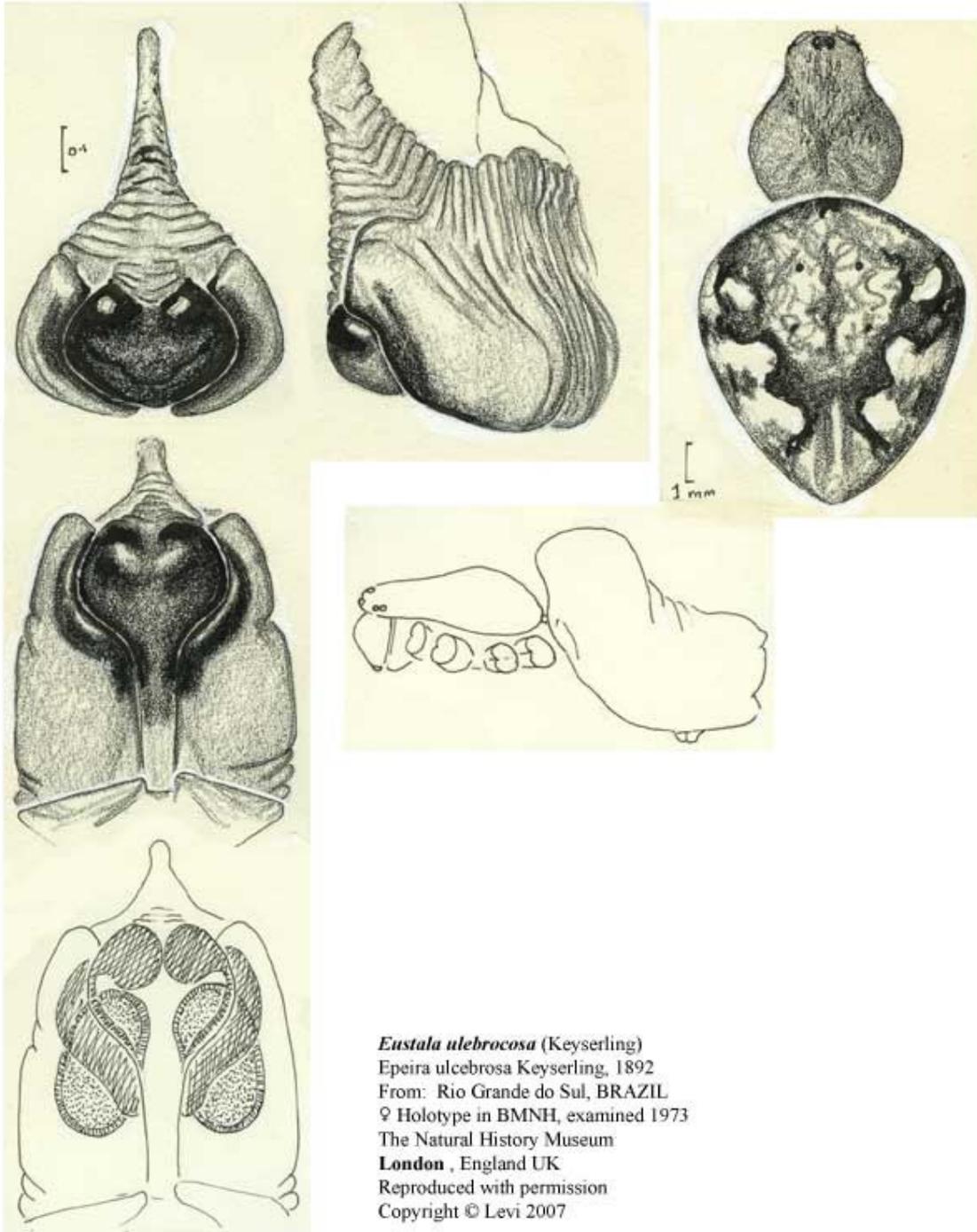
Eustala tribrachiata



Eustala tribrachiata Badcock, 1932
From: PARAGUAY
♀ Holotype: in BMNH, examined 1975
Department of Entomology
The Natural History Museum
Cromwell Road
London SW7 5BD, England UK
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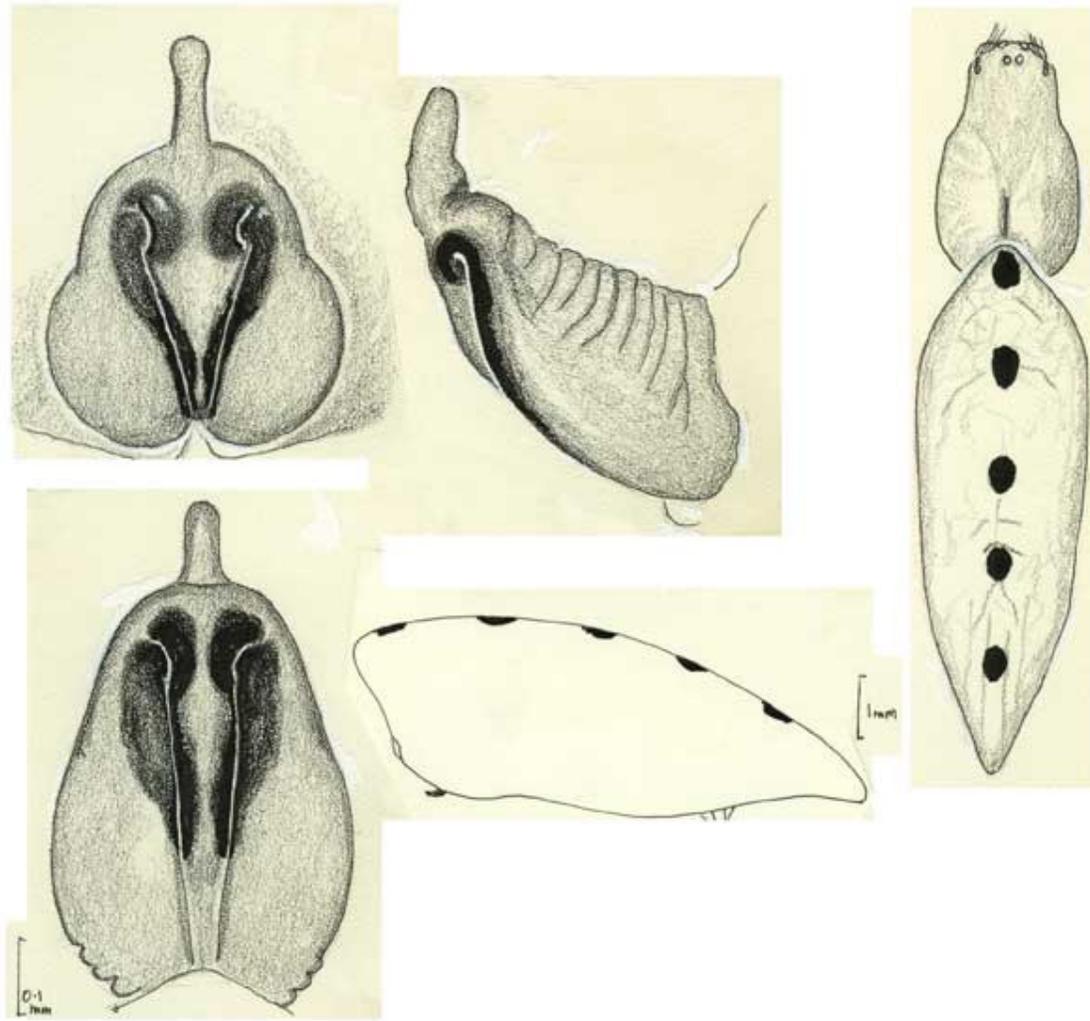


Eustala ulebrososa



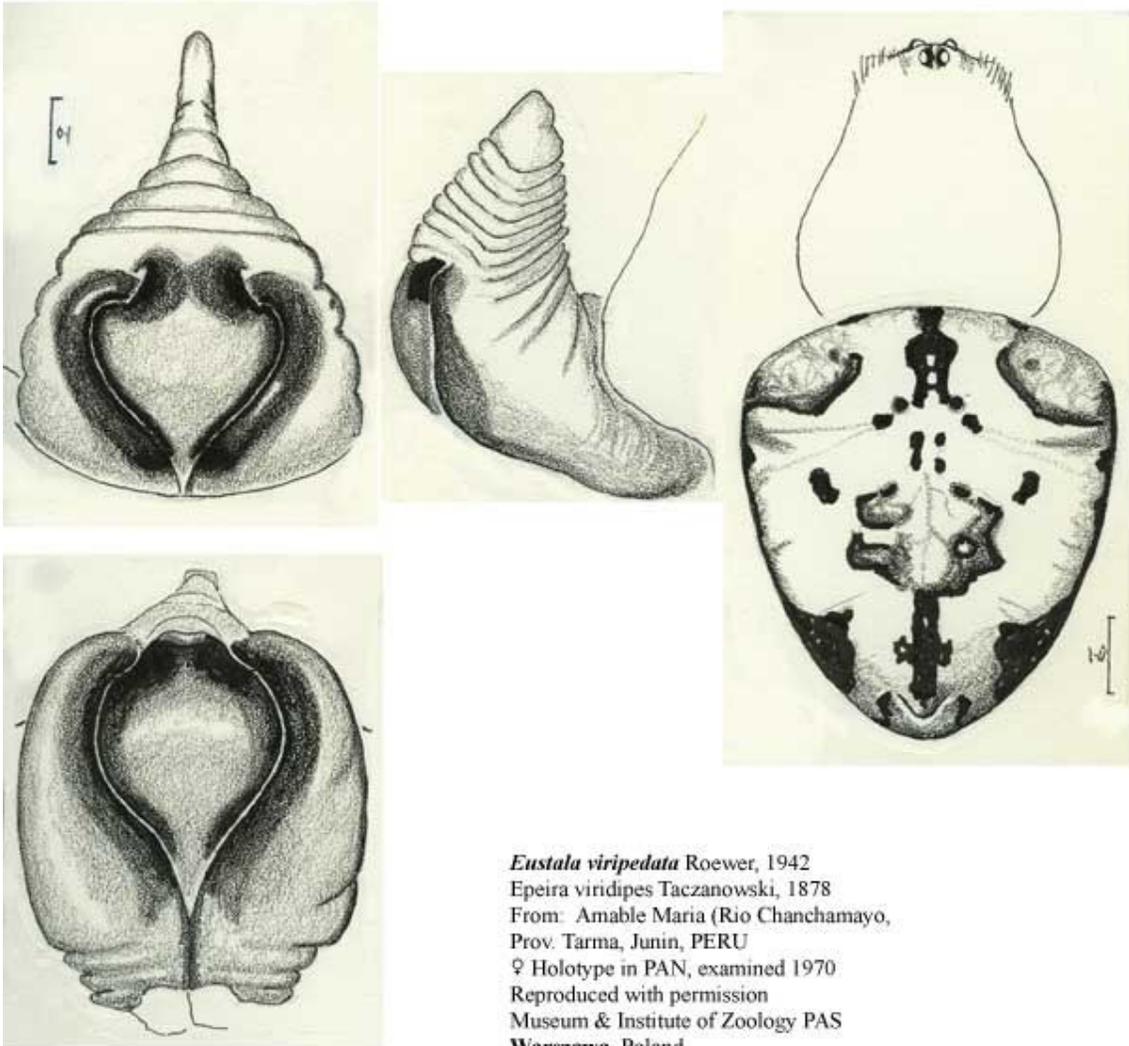
Eustala ulebrososa (Keyserling)
Epeira ulcebrosa Keyserling, 1892
From: Rio Grande do Sul, BRAZIL
♀ Holotype in BMNH, examined 1973
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London, England UK
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Eustala vellardi



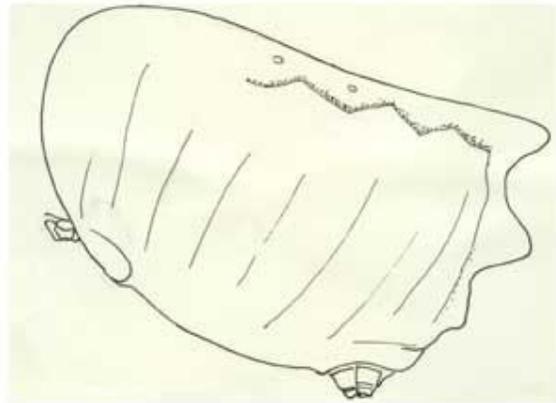
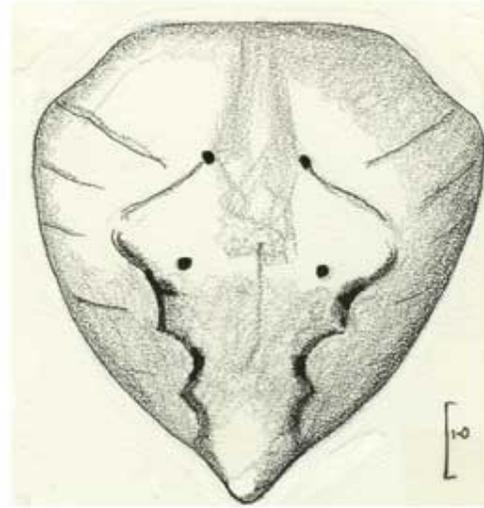
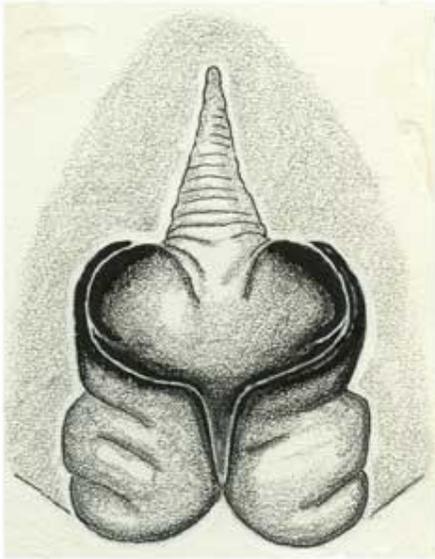
Eustala vellardi Mello-Leitao, 1924
From: Nova Iguacu, Rio de Janeiro, BRAZIL
♀ Holotype in MNRJ, examined 1974
Museu Nacional,
Universidade Federal do Rio de Janeiro
Rio de Janeiro - RJ -Brazil
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Eustala viridipedata



Eustala viridipedata Roewer, 1942
Epeira viridipes Taczanowski, 1878
From: Amable Maria (Rio Chanchamayo,
Prov. Tarma, Junin, PERU
♀ Holotype in PAN, examined 1970
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Museum & Institute of Zoology PAS
Warszawa, Poland
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Eustala wiedenmeyeri



Eustala wiedenmeyeri Schenkel, 1953
From: Pozon, Falcon, VENEZUELA
♀ Lectotype in NMB, examined 1970
Naturhistorisches Museum Basel
Basel, Switzerland
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