

13 February 2025

ARCHISPHEX

Archisphex, Evans, 1969b:252. Type species: *Archisphex crowsoni* Evans, 1969, by original designation and monotypy.
Cretosphex Rasnitsyn, 1975:106. Type species: *Cretosphex incertus* Rasnitsyn, 1975, by original designation and monotypy. Synonymized with *Archisphex* by Rasnitsyn, Jarzembowski, and Ross, 1998:366.
Palaeapis Hong, 1984: 37. Type species: *Palaeapis beiboziensis* Hong, 1984, by original designation and monotypy. Synonymized with *Archisphex* by Rasnitsyn, Jarzembowski, and Ross, 1998:366.
Mataeosphex Zhang, 1985:32. Type species: *Mataeosphex venulosus* Zhang, 1985, by original designation and monotypy. Synonymized with *Archisphex* by Rasnitsyn, Jarzembowski, and Ross, 1998:366.

Key: Rasnitsyn, Jarzembowski, and Ross, 1998:365.

1. *beiboziensis* (Hong)

Palaeapis beiboziensis Hong, 1984: 38. Holotype: China: Shandong Province: Laiyang District: Beibozi (Tianjin Natural History Museum, Tianjin, China). Age: Lower Cretaceous (as Upper Jurassic), Laiyang Formation. – **As *Archisphex beiboziensis***: Rasnitsyn, Jarzembowski, and Ross, 1998:365 (new combination, in key to *Archisphex*).

2. *boothi* Jarzembowski

Archisphex sp.: Jarzembowski, 1987:330 (description of forewing).

Archisphex boothi Jarzembowski, 1991:104. Holotype: forewing, England: The Weald: Clockhouse Brickworks (Booth Museum of Natural History, Brighton, England). Age: Lower Cretaceous: lower Weald Clay. – Rasnitsyn, Jarzembowski, and Ross, 1998:367 (study of additional specimens).

3. *crowsoni* Evans

Archisphex crowsoni Evans, 1969b:254, sex unknown. Holotype: forewing: England: Tunbridge: Wadhurst Clay of Quarry Hill Pit (MCZ). Age: Lower Cretaceous. – Rasnitsyn, 1975:127 (redescription); Rasnitsyn, Jarzembowski, and Ross, 1998:367 (reference to type locality).

4. *catalunicus* (Ansorge)

? *Cretosphex catalunicus* Ansorge, 1993:29. Holotype: forewing, Spain: Lérida Province: La Cabrúia outcrop in Sierra del Montsec (Fachrichtung Geologie, Ernst-Moritz-Arndt-Universität, Greisfeld, Germany). Age: Lower Cretaceous. – **As *Archisphex catalunicus***: Rasnitsyn, Jarzembowski, and Ross, 1998:365 (in key to *Archisphex*); Rasnitsyn and Martínez-Delclòs, 2000:83 (diagnostic characters and material), 88 (listed).

5. *curvus* Rasnitsyn and Jarzembowski

Archisphex proximus Rasnitsyn and Jarzembowski in Rasnitsyn, Jarzembowski, and Ross, 1998:368. Holotype: forewing, England: Surrey: Capel: Clockhouse Brickworks (Booth Museum of Natural History, Brighton, England). Age: Lower Cretaceous: upper Weald Clay.

6. *incertus* Rasnitsyn

Cretosphex incertus Rasnitsyn, 1975:108. Holotype: Russia: Buryat Republic: Baisa in upper Vitim River area (PIN). Age: Lower Cretaceous. – **As *Archisphex incertus***: Rasnitsyn, Jarzembowski, and Ross, 1998:365 (new combination, in key to *Archisphex*).

7. *proximus* Rasnitsyn and Jarzembowski

Archisphex proximus Rasnitsyn and Jarzembowski in Rasnitsyn, Jarzembowski, and Ross, 1998:367. Holotype: England: Surrey: Capel: Clockhouse Brickworks (Booth Museum of Natural History, Brighton, England). Age: Lower Cretaceous: lower Weald Clay.

8. *venulosus* (Zhang)

Mataeosphex venulosus Zhang, 1985:33. Holotype: China: Shandong Province: Laiyang: Tuanwang (Shandong Provincial Museum, Shandong, China). Age: Lower Cretaceous (as Upper Jurassic), Laiyang Formation. – **As *Archisphex venulosus***: Rasnitsyn, Jarzembowski, and Ross, 1998:365 (new combination, in key to *Archisphex*).