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LEPIDOPTERA OF THE CENTRAL BRAZIL PLATEAU. I. PRELIMINARY LIST OF RHOPALOCERA (CONTINUED): LYCAENIDAE, PIERIDAE, PAPILIONIDAE, HESPERIIDAE

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An introductory account of physiographic features of the central Brazil Plateau, or planalto, the collections involved, and a list of Nymphalidae and Libytheidae has been given in the first part of this series (Jour. Lepid. Soc., 21: 77).

LYCAENIDAE

RIODININAE

The following list is arranged according to Stichel (1930), with order modified according to Clench (1955). Determinations are by the authors, where necessary in relation to original descriptions. Where determinations still remain unsure they are marked (?).

Almost all riodinids are intensely local, absent from many apparently suitable areas while common in a given small preferred location. Furthermore, many species have a specific flight time correlated with sun and temperature (probably not with the clock), as indicated below under the separate species.

201. *Hamearis campestris* (Bates, 1868).

SobrdW 1 ♂ 22-II-66, 1 ♂ 10-VI-66; Contagem c 15, 17-VIII-65; Maranhão 1 ♀ 14-VIII-65, c 12-VI-66; JZool 1 ♀ 26-I-62, 1 ♀ 27-I-62, c 21-II-66, c 8-VI-66; BrasCC c 11-VI-66; PGama 1 ♂ 9-VI-66; Anap 1 ♂ XI-36; Camp 1 ♂ III-30; Leop 6 ♂ 2 ♀ III-38; Vian 5 ♂ 2 ♀ III-30, 1 ♂ XI-31; K222 3 ♂ 20-II-66; PPEflex 1s 19-II-66, c 7-VI-66; PPW 1s 19-II-66, c 6, 7-VI-66. Flies all day, in open fields and especially attracted to small flowers.

202. *Hamearis epulus* (Cr., 1775).

JZool 1 ♂ 8-VI-66 (KB); Camp 2 ♂ XII-37; Vian 4 ♂ III-30; Arag 1 ♂ II-30. Habits similar to those of *campestris*.

203. *Hamearis colchis* (Feld., 1865).

- Camp 1 ♂ XII-37.
204. *Hamearis middletoni* (Sharpe, 1890).
Leop 1 ♀ X-37.
205. *Hamearis theodora* (Godm., 1903).
Leop 1 ♂ XI-37; Vian 1 ♀ IV-30.
206. *Euselasia mys cytis* Stich., 1919.
Sobrd 1 ♂ s 24-II-66, 1 ♂ 10-VI-66; Contagem 5 ♂ 17-VIII-65; Fercal 1 ♂ 25-II-66; Maranhão 1 ♂ 15-VIII-65; BrasCC 1 ♂ 11-VI-66; PGama 3 ♂ 9-VI-66; Vead 1 ♂; Leop 1 ♂ XII-37; Vian 1 ♂ III-30, 1 ♂ III-38. Flies with the first sun, around favored bushes warmed by it, within the forest or along paths.
207. *Perophtalma tullius tullius* (F., 1787).
K222 1 ♂ + 1 s 20-II-66 (OM). Flies in morning.
208. *Leucochimona philemon mathata* (Hew., 1873).*
SobrdW 1 ♀ 22-II-66, 2 s 10-VI-66; Maranhão 1 ♂ 14-VIII-65; JZool 1 ♂ 21-II-66; PGama c 9-VI-66; Camp 2 ♂ I-38; K485 1 ♂ 26-II-66; K222 3 ♂ 20-II-66. Rather general in woods; flies at mid-day.
209. *Mesosemia sirenia nitida* Stich., 1923.
Anap 1 ♀ XII-35, 1 ♂ I-36.
210. *Mesosemia rhodia* (Godt., 1824).*
SobrdW 3 ♂ 2 ♀ 22-II-66, 2 ♂ 24-II-66, 2 ♂ 10-VI-66; Leop 1 ♂ XII-37; Vian 1 ♂ 1 ♀ III-30. Flies in early afternoon.
211. *Mesosemia maeotis* Hew., 1859.
Maranhão 1 ♂ 12-VI-66 (KB); PGama 2 ♂ 2 ♀ 9-VI-66 (KB); Vian 1 ♂ 1 ♀ III-30. Females fly in early morning, males mid-afternoon (as is the case with many rioidinids).
212. *Mesosemia melpia* Hew., 1859. (?)
PGama 1 ♂ 9-VI-66 (KB). Mid-day.
213. *Mesosemia levis* Stich., 1915. (?)
SobrdW 1 ♂ 22-II-66 (KB), 1 ♀ 24-II-66 (KB). Flies in afternoon.
214. *Mesosemia* sp.
Maranhão 1 ♂ 14-VIII-65; JZool 1 ♀ 8-VI-66. Small, very dark; related to the two previous species but not equal to either of them.
215. *Mesosemia* sp.
SobrdW 2 ♂ 10-VI-66 (KB). Large, olive-green.
216. *Eurybia dardus misellivestis* Stich., 1910.*
SobrdW 1 ♂ 24-II-66; JZool 1 ♂ 27-I-62, 1 ♂ 21-II-66; K222 c 20-II-66; PPEflex 2 ♂ 27-II-66, 1 ♂ 6-VI-66. Flies from early morning to mid-day.
217. *Eurybia nicaea paulla* Stich., 1926.
Camp 2 ♂ III-30, 10 ♂ 4 ♀ I-38; Leop 1 ♂ XII-37, 1 ♂ 2 ♀ III-38.
218. *Eurybia elvina tephrias* Stich., 1915.*
Contagem 1 ♂ 23-II-66; Fercal 1 ♂ 25-II-66; Maranhão 1 ♂ 15-VIII-65; JZool 4 ♂ 21-II-66, 1 ♂ 8-VI-66; Goiânia 3 ♂ 30-I-62; PPW 2 ♂ 27-II-66. Flies from morning to mid-day.
219. *Alesa prema* (Godt., 1824).
Maranhão 1 ♀ 14-VIII-65 (KB). Flies in morning.
220. *Cremna thasus* (Stoll, 1780).
SobrdW 1 ♀ 10-VI-66 (KB); JZool 1 ♂ 21-II-66 (OM); Leop 1 ♀ XII-37; Vian 1 ♀ III-30. Flies at mid-day.
221. *Cremna actoris cuyabaensis* Talbot, 1928.
Maranhão 1 ♂ 12-VI-66 (KB); Camp 1 ♀ I-38. Flies in afternoon.
222. *Lyropteryx apollonia apollonia* Westw., 1851.
Vead 1 ♂.
223. *Lyropteryx terpsichore terpsichore* Westw., 1851.
SobrdW 1 ♂ 13-VIII-65, 1 ♂ 24-II-66, 1 ♂ 10-VI-66; JZool 1 ♀ 1960, 1 ♂ 12-IV-63, 1 ♀ 18-IV-63; BrasCC 1 s 11-VI-66; Camp 1 ♂ I-38; Leop 1 ♂ X-37,

- 4♂ XII-37; Vian 1♂ XII-30, 2♂ XI-31. Flies in morning, often visiting flowers; in late afternoon, around trees in cerrado.
224. *Ancyluris colubra colubra* (Saunders, 1859).
SobrdR 1♀ 11-VIII-65, 1♀ 12-VIII-65, 1♀ 13-VIII-65; Maranhão 1♂ 12-VI-66; JZool 3♂ 8-VI-66; Vead 2♂. Flies in early morning; sometimes taken at wet sand.
225. *Rhetus arcus amycus* Stich., 1909.*
Anap 1♂ XI-36. Flies in very early morning.
226. *Rhetus arthurianus* (Sharpe, 1890).
SobrdW 2♂ 24-II-66; Fercal 1♂ 23-II-66, 1♂ 25-II-66; Vead 1♂; PPW 1♀ 27-II-66 (OM); Go 1♂. Flies from morning to mid-day; visits wet sand, flowers. Seems to replace *A. colubra* in similar habitat in summer.
227. *Chorinea amazon* (Saunders, 1858).
JZool 1♂ 21-II-66 (KB). Flies at mid-day.
228. *Panara thisbe* subsp.
SobrdW 1s 22-II-66, 2♂ 24-II-66, 1♂ 10-VI-66; Contagem 1♂ 23-II-66; Vian 1♂ 2♀ III-30. Flies at mid-day. Hindwing yellow band nearly parallel submarginal; figured in Seitz (1930: 46).
229. *Brachyglenis drymo* (Godm. & Salv., 1886).*
SobrdW 1♂ + 1s 24-II-66 (OM). Flies at mid-day.
230. *Notheme eumeus agathon*, "form" *hemicosmeta* Stich., 1910.
Vead 1♂; Camp 2♂ I-38; Leop 2♂ XII-37. The constant form in the planalto, perhaps warranting subspecific status. Flies in early morning.
231. *Monethe alphonsus* (F., 1793).*
Maranhão 1♂ 12-VI-66 (KB); Vead 1♂. Flies in morning; visits wet sand.
232. *Metacharis cuparina* Bates, 1868.
Leop 5♂ III-35.
233. *Metacharis lucius* (F., 1793).
Vian 3♂ III-30.
234. *Lepricornis teras* Stich., 1910.
Maranhão 1♂ 14-VIII-65; JZool 1♂ 26-I-62; PPEflex c 19-II-66. Active in early morning, often at flowers.
235. *Lepricornis atricolor atricolor* Butl., 1871.
SobrdR 1s 11-VIII-65, 1♂ 12-VIII-65; JZool 2♂ 21-II-66; Camp 1♀ III-30; PPEflex 2s 19-II-66. Flies in early morning, often taken at flowers.
236. *Barbicornis melanops* Butl., 1873.*
PPW 1♂ 27-II-66 (OM). Flies in morning.
All the species of *Barbicornis* listed here occur sympatrically and may well be all forms of the same species; the genus is in need of a revision. This individual has a short white forewing band and no light margin on the hindwing.
237. *Barbicornis mona* Westw., 1851.*
Typical form: Camp 1♂ 1♀ III-30. Form with short, almost round yellow forewing spot; complete hindwing margin: Vead 1♂ (PG); Tag 2♂ (PG); PPEflex 1♂ 19-II-66; PPW 3♂ 19-II-66, c 27-II-66. Flies in morning. Form with white, short forewing spot and hindwing margin: Vead 1♂ (PG).
238. *Barbicornis marginata* Seitz, 1917.
Fercal 1♂ 23-II-66, 2♂ 1♀ 25-II-66. Flies in morning. Possibly another form of *mona*, with yellow apical spot on forewing, hindwing margin.
239. *Syrmatia dorilas* (Cr., 1775).
Camp 1♂ III-30. Flies with first sun in early morning. This specimen has a rather reduced white forewing spot.
240. *Chamaelymnas doryphora* Stich., 1910.*
Fercal 1♂ 23-II-66; Camp 5♂ III-30, 11♂ 2♀ I-38; Vian 1♂ 1♀ III-30, 1♂ XI-31. Flies in early afternoon. Amount of yellow markings rather variable.
241. *Chamaelymnas pansa* Godm., 1903.
PPW 2♂ 27-II-66, 1♂ 6-VI-66. Flies at mid-day.

242. *Chamaelymnas tircis* Feld., 1865.
Camp 10 ♂ 1 ♀ I-38. Forewing bar broader than in *pansa*, yellow in females.
243. *Calephelis nilus* (Feld., 1861).
SobrdR 1 ♂ 11-VIII-65, 1s 22-II-66; SobrdW 1 ♂ 10-VI-66; Fercal c 15-VIII-65; Maranhão 1s 12-VI-66; JZool 2 ♂ 8-VI-66; PGama 2 ♂ 9-VI-66; Tag 1 ♂; Leop 1 ♂ III-38; Vian 3 ♀ III-30; K485 1 ♂ 26-II-66; PPEflex 1 ♂ 19-II-66; PPW 2s 27-II-66. Less local than most riordinids, flies all day.
244. *Parcella amarynthina monogramma* (Feld., 1865).
Vead 1 ♂; Camp 1 ♂ 1 ♀ I-38; Leop 3 ♂ XII-37; Vian 1 ♂ III-30.
245. *Charmona caryatis* (Hew., 1866).
SobrdW a 22, 24-II-66, c 10-VI-66; Contagem 1 ♂ 23-II-66; PGama c 9-VI-66; Camp 2 ♂ 1 ♀ I-38; Vian 2 ♂ III-30, 4 ♂ 1 ♀ IV-30, 6 ♂ XI-31; K485 c 26-II-66; K222 4 ♂ 20-II-66; PPW c 19, 27-II-66. Flies all day in sunny patches within the forest.
246. *Charmona gynaea zama* (Bates, 1868).
SobrdW 1 ♂ 22-II-66, 2 ♂ 1 ♀ 24-II-66; PGama 1 ♂s 9-VI-66; Vian 6 ♂ 6 ♀ III-30, 7 ♂ 1 ♀ IV-30, 1 ♀ XI-31, 1 ♀ XII-31, 1 ♂ I-38. Habits similar to those of *caryatis*.
247. *Chalodeta theodora theodora* (Feld., 1862).
SobrdR 1 ♂ 12-VIII-65, 1 ♂ 13-VIII-65; Maranhão 1 ♂s 15-VIII-65; BrasCC 1 ♀s 11-VI-66; Vead 2 ♂ 1 ♀; Camp 1 ♂ III-30; Leop 1 ♂ XI-37, 1 ♀ XII-37; K485 1 ♀ 22-VIII-65, 2 ♂ 26-II-66; PPEflex 1 ♂ 19-II-66, 1 ♂ 6-VI-66. Flies in morning to mid-day; often visiting wet sand.
248. *Chalodeta epijessa calicene* (Hew., 1866). *
PPEflex 2 ♀ 7-VI-66. Females fly in morning, males only afternoon.
249. *Baeotis johannae johannae* Sharpe, 1890.*
JZool 1 ♀ 27-I-62; K485 2 ♂ 22-VIII-65. Flies at mid-day.
250. *Lasaia meris arsis* (Stgr., 1888). *
Tag 1 ♂; Go 1 ♂. Flies in early morning.
251. *Lasaia agesilas agesilas* (Latr., 1805). *
SobrdR 1 ♀ 13-VIII-65 (KB); Vead 3 ♂; Cav 1 ♂; Camp 3 ♂ I-38; Leop 4 ♂ XII-37; Vian 1 ♂ II-30. Flies in early morning.
252. *Lasaia oileus* Godm., 1903.
Contagem 1 ♀ 17-VIII-65 (KB).
253. *Amarynthia meneria* (Cr., 1776).
Anap 1 ♂ 22-XII-35, 1 ♂ 25-XII-35, 1 ♂ XII-35; Camp 3 ♂ I-38.
254. *Riodina lycisca* (Hew., 1847). *
Contagem 2 ♂ 18-VIII-65; Maranhão 1 ♀ 14-VIII-65; PPW 1 ♂ 19-II-66. Flies in early morning. Form with light markings much reduced: Tag 2 ♂; Camp 3 ♂ I-38; Leop 1 ♂ XI-37; Vian 1 ♂ IV-30.
255. *Lymnas smithiae* (Westw., 1851). *
Deep orange markings: Vead 2 ♂. Form with lighter yellow-orange markings: PGama 3 ♂ 9-VI-66, Vead 2 ♂.
256. *Lymnas albugo albugo* Stich., 1910.*
Fercal 1 ♂ 17-VIII-65; Vead 1 ♂; Vian 1 ♂ III-30; PPW 1 ♂ 27-II-66. Form *impura* Stich., 1910: Fercal 1 ♂ 17-VIII-65, 1 ♂ 25-II-66. Forewing band yellowish. Both forms fly at mid-day.
257. *Lymnas iarbas auriferax* Stich., 1910.*
Maranhão 1 ♂ 12-VI-66; PPEflex 1 ♂ 19-II-66, 1 ♂ 7-VI-66; PPW 3 ♂ 19-II-66, 3 ♂ 27-II-66, c 6-VI-66. Form with forewing band white: PPEflex 1 ♂ 7-VI-66. Active at mid-day, or in morning on flowers.
258. *Lymnas marathon stenotaenia* (Röber, 1893). (?) *
Fercal 1 ♂ 1 ♀ 17-VIII-65, 1 ♂ 18-VIII-65, 2 ♂ 23-II-66, 3 ♂ 2 ♀ 25-II-66; Maranhão 1 ♂ 15-VIII-65. Flies at mid-day.
259. *Lymnas xenia erythra* (Mén., 1855). *

- Contagem 1 ♂ 23-II-66; Fercal 1 ♂ 18-VIII-65; PPEflex 1 ♂ 6-VI-66; PPW 1 ♂ 27-II-66. Flies at mid-day.
260. *Mesene pyrippe* Hew., 1874.*
Maranhão 1 ♂ 14-VIII-65, 2 ♂ 15-VIII-65; PPEflex 1s 19-II-66. Flies during late afternoon.
261. *Mesene epalia* (Godt., 1824). (?)*
Maranhão 1 ♂ 15-VIII-65 (KB). Flies in late afternoon.
262. *Mesene hya monostigma* (Erichson, 1851).
Maranhão 1 ♂ 15-VIII-65 (KB). Active during late afternoon.
263. *Symmachia leopardina hilaria* (Hew., 1867).
SobrdW 1 ♀ 11-VIII-65, 1 ♂ 2 ♀ 22-II-66, 1 ♂ 1 ♀ + 4 ♂s 24-II-66, 2 ♂ + 1 ♂s 10-VI-66. Flies in afternoon.
264. *Phaenochitonias cingulis* (Stoll, 1791).
Leop 1 ♀ X-37; Vian 1 ♀ III-30; K485 1 ♂ 26-II-66 (KB). Active in the morning.
265. *Phaenochitonias sagaris satnius* (Dalm., 1823).
SobrdW 1 ♂ 12-VIII-65, 1 ♀ 13-VIII-65, 1 ♂ 22-II-66, 1 ♂ 24-II-66, 1 ♂s 10-VI-66; Contagem 1 ♀ 15-VIII-65; Vian 1 ♂ III-30. Flies during afternoon.
266. *Phaenochitonias bocchoris bocchoris* (Hew., 1876).*
SobrdR c 11, 12, 13-VIII-65; JZool 1 ♂s 8-VI-66. Flies during afternoon, in marshes and open grassland.
267. *Anteros formosus formosus* (Cr., 1777). (?)
SobrdW 1 ♂ 24-II-66 (OM); Vian 2 ♂ III-30; Arag 1 ♂ II-30; Ponte Funda, Goiás (near Vian) 1 ♂ 1-III-63. Active at mid-day, around grassy areas.
268. *Emesis lucinda lucinda* (Cr., 1775).
Contagem 1 ♀ 23-II-66 (OM); Leop 1 ♂ XII-37; PPW 1 ♂ 27-II-66 (OM). Flies at mid-day.
269. *Emesis mandana* (Cr., 1780).
JZool 1 ♀ 5-II-62; Leop 1 ♂ XI-37 (PG).
270. *Emesis diogenia* Prittw., 1865.*
SobrdW 1 ♂ 13-VIII-65; PGama 1 ♂ 9-VI-66; Vead 2 ♂. Flies at mid-day.
271. *Emesis* sp.
SobrdW 1 ♂ 1 ♀ 10-VI-66 (KB). Related to the preceding two species.
272. *Emesis fatima* (Cr., 1780).
Leop 2 ♂ XII-37.
273. *Emesis tenedia* Feld., 1861.
SobrdW 1 ♂ 10-VI-66.
274. *Emesis ravidula* Stich., 1910.*
Leop 2 ♂ XII-37, 2 ♂ III-38.
275. *Emesis ocypore zelotes* Hew., 1872. (?)*
JZool 1 ♀ 8-VI-66; BrasCC 1 ♂s 11-VI-66; Vian 1 ♂ III-30. Active in the morning.
276. *Emesis cerea* (L., 1767).
Maranhão 1 ♂ 15-VIII-65 (KB); JZool 1 ♂ 2-II-62.
277. *Ematurgina axena* (Hew., 1875).*
Leop 1 ♀ XI-37, 7 ♂ 1 ♀ III-38, 16 ♂ 4 ♀ IV-38; Vian 2 ♂ III-30; Go 1 ♂. Variable orange markings; possibly separable into two species. See discussion in Seitz (1932: 238).
278. *Apodemias stalactioides* (Butl., 1867).
SobrdW 1 ♂ 22-II-66 (OM); Parac 1 ♂ (MN).
279. *Apodemias paucipuncta* Spitz, 1930.
SobrdW 1 ♂ 10-VI-66; BrasCC c 11-VI-66; Leop 5 ♂ X-37, 2 ♂ 1 ♀ III-38; Arag 1 ♂ XII-31; PPEflex 2 ♂ 7-VI-66. Flies all day, in open grassland.
280. *Polystichtis lucianus pseudocrispus* (Westw., 1851).
Goiânia 1 ♀ 29-I-62, 1 ♂ 30-I-62; Camp 1 ♀ III-30; K222 2 ♂ 8-VIII-65 (KB). Active during morning.

281. *Anatole zygia epone* (Godt., 1824).*
PPW 2 ♀ 27-II-66. Flies in afternoon.
282. *Anatole glaphyra modesta* Mengel, 1902.
SobrdW 1 ♂ 22-II-66; JZool 2 ♂ 21-II-66; Camp 1 ♀ I-38; Leop 1 ♂ III-38;
Vian 1 ♂ III-30; K222 1 ♀ 20-II-66. Flies at mid-day.
283. *Thysanota galena* (Bates, 1868).
Vead 1 ♂.
284. *Aricoris tutana* (Godt., 1824).
Camp 4 ♂ III-30; Leop 2 ♂ XI-37; Vian 1 ♀ XII-30; Arag 1 ♀ II-30, 1 ♂
XII-31. Primarily in grasslands, resembles *Euptychia* in flight habits.
285. *Juditha lamis lamis* (Stoll, 1780).
Fercal 1 ♂ 15-VIII-65 (KB).
286. *Nymula brennus brennus* Stich., 1910.
SobrdW 1 ♂ 22-II-66; JZool 1 ♂ 8-VI-66; Goiânia 1 ♀ 30-I-62; Leop 3 ♂
III-38; Ponte Funda, Goiás (Near Vian) 1 ♂ 1-III-63. Recognized by pointed
forewing and general red-brown coloration. Active at mid-day to afternoon.
287. *Nymula calyce calyce* (Feld., 1862).
JZool 1 ♀s 8-VI-66; PGama 1 ♂ 9-VI-66; Camp 1 ♂ III-30; Vian 1 ♂ III-30.
Similar to *brennus* but less red-brown, with more rounded wings.
288. *Nymula pelope* (Hbn., 1816).
Leop 2 ♂ XII-37; K485 1 ♂ 26-II-66 (KB). Characterized by red submarginal
lines. Flies at mid-day.
289. *Nymula phillone* (Godt., 1824).*
SobrdR 1 ♂ 22-II-66 (OM); Arag 1 ♀ II-30. Active during morning.
290. *Nymula ethelinda ethelinda* (Hew., 1870).*
PPW 2 ♀ 27-II-66 (OM). Flies in afternoon.
291. *Nymphidium azanoides* Butl., 1867.
Cav 1 ♂; Leop 3 ♂ III-38.
292. *Nymphidium leucosia* (Hoffmannsegg, 1806).
SobrdW 1 ♂ 13-VIII-65, c 22, 24-II-66, c 10-VI-66; Contagem 1 ♂ 17-VIII-65;
BrasCC c 11-VI-66; PGama c 9-VI-66; Camp 1 ♂ 1 ♀ I-38; Leop 1 ♂ XII-37;
Vian 6 ♂ 1 ♀ III-30. Active during afternoon.
293. *Nymphidium lysimon epiplatea* Butl., 1867. (?)
PGama 1 ♂ 9-VI-66; Camp 1 ♂ III-30; Vian 1 ♀ III-30; K222 1 ♂ 8-VIII-65;
PPW 1 ♂ 19-II-66, 1 ♂ 27-II-66, 1 ♂ 7-VI-66.
294. *Nymphidium chione* Bates, 1867. (?)
Maranhão 1 ♂ 15-VIII-65; Leop 1 ♂ XII-37, 1 ♀ III-38; PPEflex 1 ♂ 19-II-66;
PPW 1 ♂ 6-VI-66.
295. *Stalachtis phlegia* (Cr., 1765).
SobrdW c 11, 12, 13-VIII-65, 2 ♂ 22-II-66; JZool 1 ♂ 1 ♀ 27-I-62, 1 ♀ 1-II-62,
4 ♂ 21-II-66, c 8-VI-66; BrasCC 1 ♂ 11-VI-66; PGama 1 ♂ 9-VI-66; Vead
3 ♂ 2 ♀; Cav 1 ♂; Tag 1 ♂; Anap 1 ♂ XII-35, 1 ♀ 25-IV-36; Goiânia 1 ♂
30-I-62; Leop 5 ♂ 3 ♀ X-37; Vian 4 ♂ 5 ♀ III-30. Includes various named
forms. Flies all day in open grassy areas.
296. *Theope pieridoides* (Feld., 1865).
Leop 1 ♂ XI-37.
297. *Theope eudocia acosma* Stich., 1910.
SobrdW 1 ♂ (KB) + 5s 24-II-66, 1 ♂ (KB) + 2s 10-VI-66. Usually flies in
the afternoon.

The list of riordinids grows with every excursion or new collection examined and should eventually reach about 150 species. With presence of both southern and Amazonian forms, it is expected that dozens of species have yet to be discovered and recorded for the planalto.

PLEBEJINAE

298. *Leptotes cassius* (Cr., 1775).
SobrdW 1 ♂ 1 ♀ 10-VI-66; Fercal c 23-II-66; Maranhão c 12-VI-66; JZool 1 ♂ 17-IX-63; BrasCC c 11-VI-66; PGama 3s 9-VI-66; Camp 2 ♂ III-30; RClaro 1 ♂ 18-VIII-63; Vian 1 ♀ III-30; K485 c 26-II-66; K222 c 20-II-66; PPEflex c 7-VI-66; PPW c 6-VI-66.
299. *Hemiargus ceraunus zachaeina* (Butl., 1872).
SobrdW c 10-VI-66; Maranhão c 12-VI-66; JZool c 8-VI-66; BrasCC c 11-VI-66; Anap 1 ♂ XI-36; Vian 1 ♂ III-30; Arag 1 ♀; K485 c 26-II-66; PPEflex c 6-VI-66, a 7-VI-66; PPW c 6-VI-66.
300. *Everes tulliola* (Godm. & Salv., 1887).
JZool 1 ♂ 8-VI-66; BrasCC 1 ♂ 11-VI-66; Camp 1 ♂ III-30; Vian 1 ♂ III-30; PPEflex 1 ♂ 19-II-66; PPW c 7-VI-66. Most commonly found in marshy areas.
301. *Plebejus(?) cogina* (Schaus, 1902).
SobrdR 1 ♂ 12-VIII-65; Maranhão 1 ♂ 17-VIII-65, c 12-VI-66; JZool c 8-VI-66; Camp 1 ♂ III-30; Vian 1 ♂ III-30; PPW 1 ♀ 7-VI-66. A little-known species, partial to marshy areas.

We do not foresee the occurrence of further Plebejinae in the planalto, although the group is little enough collected that range extensions or even new species are to be expected in various parts of South America.

THECLINAE

The taxonomic status of the South American "Theclas" is chaotic. We have identified only the commonest and most obvious species, and even many of these must be regarded as uncertain. In an effort to begin the process of subdivision of the family, we have applied here a number of genus names proposed in the past and compiled by Comstock & Huntington (1958). In cases where these genera have been applied to close relatives of the species included in this list, we have taken the liberty of using them with a question mark (?). Precise generic assignments will have to await a complete rearrangement of the presently understood "groups" upon detailed morphological study. We present the genera here merely as a rough guide and leave all uncertain cases in "Thecla."

302. *Arcas imperialis* (Cr., 1775).
Maranhão 1 ♂ 17-VIII-65 (KB).
303. "*Thecla*" *batesii* Hew., 1865. (?)
Leop 1 ♂ III-33. An undescribed genus containing *batesii* and a number of closely related species is closely related to *Evenus*.
304. *Evenus regalis* (Cr., 1775).
Vead 1 ♂ 1 ♀. Often common in towns.
305. *Macusia satyroides* (Hew., 1867).
SobrdW 1 ♀ 22-II-66 (KB); Vead 1 ♀ (PG). We suspect that this represents a new species distinct from the type of the genus but lack sufficient material to resolve the question at present.
306. *Pseudolycaena marsyas* (L., 1758).
SobrdW 1 ♂ s 23-II-66; JZool 1 ♂ 21-II-66; BrasCC 1 ♂ 11-VI-66; Vead 1 ♂; Camp 1 ♂ III-33 (PG); PPEflex 1 ♂ 6-VI-66; PPW 1 ♀ s 6-VI-66.
307. *Mithras hemon* (Cr., 1775).
SobrdW 1 ♂ 12-VIII-65, 1 ♂ 13-VIII-65; JZool 1 ♀ 21-II-66; K485 1 ♂ 22-VIII-65.

308. *Mithras triquetra* Hew., 1865.
BrasCC 1 ♀ s 11-VI-66; PGama 1 ♀ 9-VI-66; Vian 1 ♂ XI-31; K485 c 22-VIII-65.
309. *Panthiades (Parrhasius) polibetes* (Cr., 1781).
JZool 1 ♂ 27-II-63.
310. *Panthiades (Parrhasius) orgia* (Hew., 1867).
Vead 1 ♂ (PG).
311. *Atlides dydimaon* (Cr., 1777).
K222 1 ♂ 20-II-66 (KB).
312. *Cycnus phaleros* (L., 1766).
SobrdW 1 ♀ 22-II-66 (OM), 1 ♂ s 10-VI-66; Vian 1 ♂ III-30.
313. *Arawacus linus* (Sulzer, 1776).
SobrdW 1 ♀ 12-VIII-65, 1 ♀ 22-II-66; Fercal 1 ♂ 1 ♀ 17-VIII-65, 1 ♂ 18-VIII-65, 1 ♂ 23-II-66; Maranhão 1 ♂ 15-VIII-65; JZool 1 ♂ 27-I-62, 2 ♂ 1 ♀ 1-II-62, 2 ♂ 1 ♀ 20-II-63, c 21-II-66; PGama c 9-VI-66; Camp 1 ♀ III-33.
314. *Rekoa ellida* (Hew., 1867).
SobrdW 1 ♂ 11-VIII-65; JZool 1 s 8-VI-66; PPW 1 ♂ 6-VI-66.
315. *Rekoa palegon* (Cr., 1780).
Fercal 1 ♂ 17-VIII-65, 1 ♀ 18-VIII-65; BrasCC 1 ♂ 11-VI-66; PGama 1 ♂ 9-VI-66; Vian 1 ♂ III-33 (PG); Parac 1 ♀ 4-III-21.
316. *Rekoa meton* (Cr., 1779).
SobrdW 1 ♀ 13-VIII-65; Maranhão 1 ♂ 15-VIII-65; JZool 1 ♀ 8-VI-66; BrasCC 1 ♂ 11-VI-66.
317. *Callophrys (Cyanophrys) (?) acaste* (Prittw., 1865).*
SobrdW 1 ♂ 11-VIII-65, 1 ♂ 12-VIII-65.
318. *Iaspis(?) violescens* (Spitz, 1931).
SobrdR 1 ♂ 12-VIII-65; SobrdW c 10-VI-66; PGama c 9-VI-66; Vian 1 ♂ III-30. A common endemic species of the planalto, easily recognized.
319. "*Thecla*" *ravus* Druce, 1907.
K485 1 ♂ 22-VIII-65 (KB).
320. *Chalybs jebus* (Godt., 1822).
Vian 1 ♂ III-30; PPEflex 1 ♀ 19-II-66.
321. "*Thecla*" *torris* Druce, 1907.*
Vian 1 ♂ XI-35.
322. "*Thecla*" *bagrada* Hew., 1868.
SobrdW 1 ♂ 1 ♀ 10-VI-66; Leop 1 ♂ III-33 (PG).
323. "*Thecla*" *obelus* Druce, 1907.
Vian 1 ♂ III-30.
324. "*Thecla*" *cauter* Druce, 1907.
SobrdW 1 ♂ 10-VI-66; Camp 1 ♀ III-33 (PG); Leop 2 ♂ III-33 (PG); Vian 3 ♂ XI-35 (PG); Arag 1 ♂ II-30.
325. "*Thecla*" *sophocles* (F., 1793).*
Maranhão 1 ♀ 15-VIII-65; PGama c 9-VI-66; Camp 1 ♂ III-33 (PG); Vian 3 ♀ XI-35 (PG); K485 1 ♂ 22-VIII-65. Males fly in sunny places in the forest in early to late afternoon.
326. "*Thecla*" *hebraeus cimelum* Gosse, 1880.*
JZool 1 ♀ 1-II-62, 1 ♂ 8-VI-66.
327. "*Thecla*" *quassa* Draudt, 1920.*
Vian 1 ♀ III-30.
328. *Tmolus cupentus* (Cr., 1781).
Fercal 1 ♂ 25-II-66.
329. *Tmolus venustus* (Druce, 1907).*
Vian 1 ♂ III-30, 4 ♂ 1 ♀ XI-35 (PG).
330. *Tmolus cydrara* (Hew., 1868).
Camp 2 ♂ III-30.
331. *Tmolus azuba* (Hew., 1874).

- Camp 1 ♂ 1 ♀ (PG); Leop 1 ♂ III-33 (PG); Vian 1 ♀ XI-35 (PG); Arag 1 ♂ III-30.
332. "*Thecla*" *aepeona* Draudt, 1920. (?)
Vian 1 ♂ III-30.
333. "*Thecla*" *zurkvitzi* Schaus, 1902.*
Arag 1 ♀ II-30.
334. "*Thecla*" *aphaca* Hew., 1867.
SobrdW 1 ♀ 12-VIII-65; Vian 1 ♂ III-30.
335. "*Thecla*" *crambusa* Hew., 1874.
Vian 1 ♂ XI-31, 1 ♂ XII-31; PPW 1 ♂ 6-VI-66.
336. "*Thecla*" *cissusa* Hew., 1877.
Vian 1 ♂ III-30; Arag 1 ♂ II-30.
337. "*Thecla*" *chilica* Schaus, 1902.*
Vian 1 ♂ III-30.
338. *Calycopis beon* (Cr., 1780).
SobrdW 2 ♂ 10-VI-66; JZool c 8-VI-66; Vian 4 ♂ III-30; Arag 1 ♂ II-30; PPEflex c 19-II-66.
339. *Calycopis azia* Hew., 1873.
Fercal 1 ♂ 23-II-66; Leop 1 ♂ III-33, 1 ♂ 1 ♀ XI-37; Arag 3 ♂ 2 ♀ II-30.
340. "*Thecla*" *rufofusca* Hew., 1877.
Vian 1 ♂ IV-30.
341. *Callicista mulucha* Hew., 1874.
SobrdR 1 ♂ 22-II-66; SobrdW 2 ♂ 10-VI-66; JZool 1 ♀ 28-II-63; Vian 1 ♂ III-30; Parac 1 ♀ 9-II-21; PPW 1 ♂ 6-VI-66.
342. *Callicista faunalia* Hew., 1868.
SobrdW 1 ♂ 13-VIII-65 (KB).
343. *Callicista thius* (Hbn., 1832).
BrasCC 1 ♂ 11-VI-66.
344. *Callicista eurytulus* (Hbn., 1819).
Maranhão 1 ♂ 12-VI-66; JZool 3 ♂ 27-I-62; Vian 1 ♂ III-30, 1 ♀ XI-31; PPEflex 1 ♂ 6-VI-66, c 7-VI-66.
345. "*Thecla*" *tarania* Hew., 1868.*
Vian 3 ♂ XI-35 (PG).
346. "*Thecla*" *seitzii* Spitz, 1931.
Leop 2 ♂ 1 ♀ III-33 (PG), 1 ♂ 2 ♀ XI-37; Vian 2 ♂ 1 ♀ III-30, 1 ♀ XI-31; Arag 4 ♂ 2 ♀ II-30. May be a subspecies of *tegaea*.
347. "*Thecla*" *melzeri* Spitz, 1931.
Leop 7 ♂ 3 ♀ III-33 (PG), 1 ♂ 1 ♀ XI-37; Vian 1 ♀ XI-31, 1 ♀ XII-31, 3 ♂ 5 ♀ XI-35 (PG); Arag 7 ♂ 6 ♀ II-30, 1 ♂ XII-31. May be a subspecies of *mantica*.
348. "*Thecla*" *taunayi* Spitz, 1931.
JZool 1 ♂ 21-II-66; Camp 1 ♂ (PG); Leop 1 ♂ 1 ♀ III-33 (PG), 1 ♂ XI-37; Vian 1 ♂ 1 ♀ III-30, 1 ♂ 1 ♀ XI-35 (PG); Arag 1 ♂ 2 ♀ II-30.

With further determinations (and possibly descriptions of new species) as well as more diligent collecting in seasons of flowers, the list of Theclinae should nearly equal that of the Riodininae (about 150).

Total for Lycaenidae: 148 species. Predicted to occur on planalto: approximately 300 species; therefore about 50% represented on present list.

PIERIDAE

COLIADINAE

We follow the recent revisions, as well as direct advice, of D'Almeida

(1936a, b; 1938a, b; 1939; 1940; 1944a, b; 1945; 1960) for the nomenclature in this group.

349. *Eurema (Pyrisitia) tenella* (Bdv., 1836).
SobrdW c 22, 24-II-66; Fercal c 23, 25-II-66; Maranhão c 12-VI-66; JZool 3♂ 27-I-62, 2♂ 20-II-63, c 21-II-66, c 8-VI-66; BrasCC c 11-VI-66; Vead 6♂; Cav 1♂; Tag 1♂; Arag 1♂ 2♀ II-30, 2♂ XII-31; Parac 2♂ 1♀ 20-II-19; K485 c 22-VIII-65, c 26-II-66; PPEflex 1♂ 19-II-66, c 7-VI-66.
350. *Eurema (Pyrisitia) leuce* (Bdv., 1836).
SobrdW c 11, 12-VIII-65, c 22, 24-II-66; Fercal c 23, 25-II-66; PGama 1♀ 9-VI-66; Vead 1♂; Cav 2♂; Goiânia 2♂ 30-I-62; Leop 6♂ 3♀ XII-36; K485 c 26-II-66; K222 c 20-II-66; PPEflex c 6, 7-VI-66; PPW c 6, 7-VI-66.
351. *Eurema (Eurema) pseudomorpha* Klots, 1929.
Maranhão 1♂ 15-VIII-65; Vead 1♂; Cav 1♂; K485 1♂ 22-VIII-65, 1♂ 26-II-66. Generally larger than all central Brazilian *Eurema* except extraordinary females of *E. leuce*, and distinguished by characteristic hindwing underside pattern.
352. *Eurema (Eurema) deva* (Dbldy., 1847).
Maranhão 1♂ 15-VIII-65, 1♀ 12-VI-66; JZool 2s 8-VIII-66; Camp 1♂ 8-III-31 (OC).
353. *Eurema (Eurema) arbela arbela* (Geyer, 1832).
Fercal 1♂ 23-II-66; Maranhão 1♂ 15-VIII-65; JZool 2♂ 27-I-62, 1♂ 1-II-62, 1♀ 21-II-66, c 8-VI-66; BrasCC 1s 11-VI-66; PPEflex 1♂ 19-II-66, 3s 7-VI-66; PPW 1♂ 19-II-66, c 27-II-66, c 6, 7-VI-66.
354. *Eurema (Eurema) musa* (F., 1793).
Fercal 1♂ 17-VIII-65, 1♂ 18-VIII-65. Replaces *phiale* in the same areas in winter, and may be a winter form of the following species.
355. *Eurema (Eurema) phiale flavomaculata* d'Alm., 1958.
Fercal c 23-II-66; Anap 1♂ I-36, 1♀ 20-III-36.
356. *Eurema (Eurema) phiale majorina* d'Alm., 1932.*
Parac 1♀ 9-II-21; K222 1♂ 20-II-66.
357. *Eurema (Eurema) agave pallida* (Chav., 1849).*
BrasCC 1♀ 11-VI-66; PPEflex 2♂ 19-II-66, 1♂ 6-VI-66, c 7-VI-66; PPW c 27-II-66, a 7-VI-66. Found particularly in marshes. Distinguished from following species by dark area at base of upperside forewing costa.
358. *Eurema (Eurema) albula* (Cr., 1775).
SobrdR 1♂ 12-VIII-65; SobrdW c 22, 24-II-66, c 10-VI-66; Contagem c 23-II-66; Fercal 1♂ 17-VIII-65, c 23, 25-II-66; Maranhão c 15-VIII-65, c 12-VI-66; JZool 1♂ 27-I-62, c 21-II-66, c 8-VI-66; BrasCC c 11-VI-66; PGama c 9-VI-66; Vead 1♂; Cav 3♂; Parac 1♂ 20-II-19; K485 c 22-VIII-65, c 26-II-66; K222 2♂ 8-VIII-66, c 20-II-66; PPEflex c 19, 27-II-66; PPW c 19, 27-II-66, c 6, 7-VI-66. One of the commonest butterflies of the planalto.
359. *Eurema (Eurema) elathea elathea* (Cr., 1777).
SobrdW c 11-VIII-65; Fercal c 23, 25-II-66; Maranhão c 14, 17-VIII-65, c 12-VI-66; JZool 1s 21-II-66, c 8-VI-66; BrasCC c 11-VI-66; Vead 3♂; Cav 1♂; Tag 3♂; Camp 1♂ III-30; Arag 1♂ II-30; PPEflex c 19-II-66, c 7-VI-66; PPW c 27-II-66, c 6, 7-VI-66. Usually common, in open areas.
360. *Phoebis (Aphrissa) statira* (Cr., 1777).
SobrdW 1♂ 1♀ 11-VIII-65, 1♀s 24-II-66, 5s 10-VI-66; Contagem 1♀ 23-II-66; Fercal c 23, 25-II-66; Maranhão c 15, 18-VIII-65; Vead 1♀; Tag 1♂; Anap 1♂ XII-36; PPW c 27-II-66, 2s 7-VI-66; Go 1♂.
361. *Phoebis (Phoebis) neocypris* (Hbn., 1823).
Fercal 1♂ 17-VIII-65; Maranhão 1♀ 12-VI-66.
362. *Phoebis (Phoebis) argante argante* (F., 1775).
SobrdW 1♂ 12-VIII-65, c 24-II-66; Contagem c 23-II-66; Fercal c 23, 25-II-66; Maranhão c 15-VIII-65; JZool c 21-II-66; BrasCC 2s 11-VI-66;

- PGama 3s 9-VI-66; Vead 1 ♂; PPEflex c 7-VI-66; PPW 1 ♀s 19-II-66, c 27-II-66, c 7-VI-66.
363. *Phoebis (Phoebis) philea philea* (Joh., 1767).
SobrdW c 24-II-66; Contagem 2s 23-II-66; Fercal c 23, 25-II-66; Maranhão c 15-VIII-65; JZool c 21-II-66, c 8-VI-66; PGama 2s 9-VI-66; Anap 1 ♀ XII-35, 1 ♂ XII-36; K485 c 22-VIII-65, c 26-II-66; PPW c 19, 27-II-66.
364. *Phoebis (Phoebis) sennae sennae* (L., 1758).
SobrdW c 24-II-66, c 10-VI-66; Fercal 1 ♂ 17-VIII-65, c 23, 25-II-66; Maranhão 1 ♂ 18-VIII-65, c 12-VI-66; JZool 1 ♂ 1-II-62, 3 ♀ 25-XII-63, c 21-II-66, c 8-VI-66; BrasCC c 11-VI-66; PGama c 9-VI-66; Vead 1 ♂ 1 ♀; Anap 1 ♀ XI-35, 1 ♀ XII-35, 1 ♂ 1 ♀ 2-III-36; K485 1 ♂ 22-VIII-65, c 26-II-66; K222 1 ♂ 20-II-66; PPEflex c 7-VI-66; PPW c 27-II-66, c 6, 7-VI-66.
365. *Anteos menippe* (Hbn., 1819).
SobrdW 1 ♂ 11-VIII-65; Contagem 2s 23-II-66; Fercal c 23, 25-II-66; JZool 1 ♂ 1-II-62, 2 ♂ 25-XII-63, 1 ♂ 1-II-64, c 21-II-66; PGama 1s 9-VI-66; Vead 1 ♂; Goiânia 1 ♂ 1962; Go 1 ♂. Most common around leguminous trees in towns, also in open country.
366. *Anteos clorinde* (Godt., 1823).
JZool 1s 8-VI-66; K222 1s 8-VIII-65. Migratory, fluctuates widely from year to year; probably common in the planalto in favorable seasons.
367. *Leucidia elvina* (Godt., 1819).*
Parac 1 ♂ 10-V-19, 2 ♂ 27-III-20, 3 ♂ 10-VIII-20.

PIERINAE

368. *Ascia monuste monuste* (L., 1764).
Fercal c 23-II-66; JZool 1 ♂ 20-II-63, c 21-II-66; Cav 1 ♂; Anap 1 ♀ II-36; PPEflex 2s 19-II-66, 1 ♀ 7-VI-66.
369. *Appias drusilla drusilla* (Cr., 1777).
SobrdW 1 ♂ 12-VIII-65, 4s 10-VI-66; Maranhão 1 ♂ 14-VIII-65, 1 ♂ 15-VIII-65, c 12-VI-66; BrasCC c 11-VI-66; PGama c 9-VI-66; Vead 2 ♂.
370. *Hesperocharis (Hesperocharis) anguitea* (Godt., 1819).*
Fercal 1s 23-II-66, 2 ♂ 25-II-66; Vead 1 ♂; PPW 1s 7-VI-66.
371. *Hesperocharis (Cunizza) hirlanda phanasia* Fruhst., 1910.
PGama 2 ♂ 9-VI-66; Tag 1 ♂ (PG); K485 1 ♂ 26-II-66; PPW 1s 6-VI-66; Go 1 ♂ (PG). Local; very similar to the following species in habits and appearance. Most easily captured on damp sand in early afternoon.
372. *Melete lycimnia paulista* Fruhst., 1907.*
SobrdR 1 ♂ 11-VIII-65, 1 ♂ 12-VIII-65; SobrdW 2s 22-II-66, c 24-II-66; Fercal c 23, 25-II-66; Maranhão 1 ♂ 14-VIII-65, 3s 12-VI-66; JZool c 21-II-66, 1s 8-VI-66; BrasCC 1 ♀ 11-VI-66; PGama 1 ♂s 9-VI-66; Vead 5 ♂; Tag 1 ♂; Camp 1 ♂ III-30; K485 c 22-VIII-65; PPW c 19-II-66, c 6, 7-VI-66.
273. *Archonias tereas tereas* (Godt., 1819).*
SobrdR 1 ♂ 22-II-66; SobrdW 1s 11-VIII-65, 2s 12-VIII-65, 1 ♂ 22-II-66, c 24-II-66, c 10-VI-66; JZool 1 ♂ 21-II-66; BrasCC 2s 11-VI-66; PGama 1 ♂ 9-VI-66; PPW 1s 6-VI-66. Deep woods near water; evidently mimics *Parides*.

DISMORPHIINAE

374. *Dismorphia psamathe* (F., 1793).
SobrdW 1 ♂ 11-VIII-65, 1 ♀ 12-VIII-65, 1 ♂ 22-II-66; Fercal 1 ♂ 23-II-66, 2 ♂ 25-II-66; JZool 1 ♀ 31-I-62, 1 ♀ 21-II-66; PGama 1 ♀ 9-VI-66; Vead 1 ♂.
375. *Dismorphia thermesia thermesia* (Godt., 1819).*
SobrdW 1 ♂ 12-VIII-65, 1 ♂ 22-II-66, 1 ♀ 24-II-66, 1 ♂ 10-VI-66; BrasCC c 11-VI-66. Occurs in local colonies in deep woods.
376. *Dismorphia limnorina* Feld., 1865.*
Arag 1 ♂ X-31.

377. *Dismorphia astyocha* (Hbn., 1824).*
PPW 2 ♀ 27-II-66. Probably barely reaches the planalto, from the south.
Mimics *Mechanitis*.
378. *Dismorphia astynome astynome* (Dalm., 1823).*
SobrdW 1 ♀ 13-VIII-65, c 22, 24-II-66, 1 ♂ 10-VI-66; Contagem 1 ♀ 23-II-66;
Maranhão 1 ♂ 2 ♀ 12-VI-66; JZool 1 ♀ 21-II-66; PGama 1 ♂ 9-VI-66; Anap
1 ♂ VIII-36; PPW 1 ♀ 19-II-66. Not distinguishable from *Mechanitis* in flight.
379. *Pseudopieris nehemia nehemia* Bdv., 1836.
SobrdW 2 ♂ 22-II-66, 3s 24-II-66; Contagem 1 ♂ 17-VIII-65, 2s 23-II-66;
Fercal 1 ♂ 23-II-66; Anap 1 ♂ XI-36, 1 ♂ XII-36. Deep woods.

We expect the list of Pieridae to grow by at least three or four species, possibly including *Ascia buniae*, *Dismorphia melite* and *Phoebis trite*.

Total for Pieridae: 31 species. Predicted to occur on planalto: approximately 35 species, therefore about 88% of the total represented on present list.

PAPILIONIDAE

Determinations were made by Dr. Romualdo Ferreira d'Almeida. Order and nomenclature follow his recent catalogue (d'Almeida, 1966).

380. *Battus (Parides) anchises orbignyanus* (Lucas, 1852).
SobrdR 1 ♀ 22-II-66; SobrdW c 22, 24-II-66; Contagem 1 ♂ 1 ♀ 23-II-66;
Maranhão 1 ♂ 14-VIII-65; Vead 3 ♂ 2 ♀; Tag 2 ♂ 2 ♀; Anap 1 ♂ 7-XII-36,
1 ♂ II-37; Leop 1 ♂ XII-37; Vian 2 ♀ III-30; K485 1 ♀ 22-VIII-65, 1 ♂ 26-
II-66; PPEflex c 19, 27-II-66; PPW 2 ♂ 2 ♀ 19-II-66, c 27-II-66; Go 3 ♂.
Usually found in deep woods near water.
381. *Battus (Parides) burchellanus* (Westw., 1872).
Maranhão c 14, 15, 18-VIII-65, 1 ♂ 23-II-66; Anap 1 ♀ III-37; Go 2 ♂.
Very local; flies low and in a deliberate appearing manner, rarely more than
1 m from banks of large, forested rivers.
382. *Battus (Parides) diodorus* (Hopff., 1866).
Tag 1 ♂ 1 ♀; PPEflex 1 ♂ 19-II-66; Km. 397 Belo Horizonte-Brasília (Município
João Pinheiro) 1 ♂ s 20-II-66. Local; found more in open cerrado than other
Parides.
383. *Battus (Parides) neophilus eurybates* (Gray, 1852).
Tag 2 ♂ 2 ♀; Anap 1 ♂ 8-I-35, 1 ♀ IX-36, 1 ♂ II-37, 1 ♀ III-37, 1 ♂ 1 ♀
VI-37; Camp 1 ♂ I-38; Vian 1 ♂ III-30; K485 1 ♂ 26-II-66; PPEflex c 19,
27-II-66; PPW 1 ♂ 2 ♀ 27-II-66, 2 ♀ 6-VI-66, 1 ♂ 1 ♀ 7-VI-66. Flies close
to the ground in deep woods; visits flowers, especially in early morning.
384. *Battus (Parides) nephalion* (Godt., 1819).*
Maranhão 1 ♀ 12-VI-66; JZool 1 ♂ 20-II-63, 1 ♀ 21-II-66; Camp 1 ♂ I-38;
Leop 2 ♀ XII-37.
385. *Battus (Parides) panthonus jaguarae* (Foett., 1902).
Fazenda Jaguará, Rio das Velhas, Minas Gerais 2 ♂ II-1898 (MN). This
locality may be slightly outside map area, in the "blend zone."
386. *Battus (Parides) proneus* (Hbn., 1825).*
Anap 1 ♂ 27-VII-37.
387. *Battus (Parides) tros* (F., 1793).*
Go 1 ♀ XI-31 (DZ).
388. *Battus (Battus) crassus* (Cr., 1777).
Fercal 2 ♂ s 25-II-66; JZool 1 ♂ 1-II-62; Vead 1 ♂.
389. *Battus (Battus) polydamas polydamas* (L., 1758).
SobrdR 1 ♂ s 22-II-66; Fercal 1 ♂ 23-II-66, 1 ♂ 25-II-66; JZool 1 ♀ 21-II-66,

- 1 ♂ 1 ♀s 8-VI-66; PPW 1s 19-II-66, 1s 27-II-66. Open and cultivated areas.
390. *Papilio anchisiades capys* (Hbn., 1809).*
Fercal 1s 25-II-66; Vead 2 ♂; Anap 3 ♂ XII-35, 1 ♂ 24-VI-36, 1 ♂ XII-36;
Km. 425 Belo Horizonte-Brasília (Município João Pinheiro) 1 ♂ 26-II-66.
Sporadically common.
391. *Papilio himeros baia* Roths. & Jord., 1906.
Tag 1 ♂.
392. *Papilio scamander grayi* Bdv., 1836.*
JZool 1 ♀ 27-I-62.
393. *Papilio thoas brasiliensis* Roths. & Jord., 1906.
SobrdR 1s 22-II-66; SobrdW 1s 13-VIII-65, 1 ♂ 22-II-66, 1s 24-II-66;
Maranhão 1s 23-II-66; JZool 1s 21-II-66; Vead 2 ♂; PPW 1s 19-II-66.
394. *Papilio torquatus polybius* Swainson, 1823.*
Vead 1 ♀; PPW c 19, 27-II-66. Wooded areas.
395. *Graphium autosilaus viridis* (Röber, 1926).
RClaro 1 ♂ 15-VIII-63.
396. *Graphium earis* (Roths. & Jord., 1906).
Vead 3 ♂; Go 1 ♂ 1926.
397. *Graphium helios* (Roths. & Jord., 1906).
Vead 1 ♂; Go 1 ♂ 1926.
398. *Graphium lysithous* (Hbn., 1821).*
Anap 1 ♂ 27-VII-37.
399. *Graphium protesilaus protesilaus* (L., 1758).
Anap 1 ♂ X-37.

We expect this list to reach at least 28, with additional species of *Graphium* (e.g. *dolicaon*, *telesilaus*, *orthosilaus*, *ariarathes*, all known from Mato Grosso), and some *Papilio* (*astyalus* and *androgeus*).

Total for Papilionidae: 20 species. Predicted to occur on planalto: approximately 28 species, therefore about 70% of the total represented on the present list.

HESPERIIDAE

Identifications by O.M. The arrangement and nomenclature follow Evans (1951-1955).

PYRRHOPYGINAE

400. *Pyrrhopyge pelota* Plötz, 1879.
Leop 6 ♂ 1 ♀ XI-37; Arag 1 ♂ 2 ♀ II-30.
401. *Elbella losca* Evans, 1951.
Fercal 1 ♂ 25-II-66; PPW 1 ♂ 27-II-66. Visits wet sand, flowers.
402. *Jemadia menechmus* (Mab., 1878).
Vead 1 ♂.
403. *Jemadia hewitsoni brevipennis* Schaus, 1902.
Vead 1 ♀.
404. *Mimoniades versicolor versicolor* (Latr., 1823).*
JZool 1 ♀ 21-II-66, 1 ♀ 8-VI-66 (KB). On *Eupatorium* flower.
405. *Hegesippe luteizona* (Mab., 1877).*
Goiânia 1 ♂ 6-III-63. Represents the form *josepha* Plötz.
406. *Mysoria thasus thasus* (Stoll, 1781).
K485 3 ♂ 26-II-66 (1 with KB). At wet sand by river.

407. *Mysoria barcastus barta* Evans, 1951.
Fercal 1 ♂ 1 ♀ 23-II-66, 1 ♂ 25-II-66 (males with KB); JZool 1 ♂ 8-VI-66 (KB); PGama 1 ♂ 9-VI-66 (KB); Vead 2 ♂; Anap 1 ♀ 19-II-37; Vian 1 ♀ XI-31; Parac 1 ♀ 27-III-20. Males on wet sand, females on flowers.
408. *Microceris variicolor* (Mén., 1855).
BrasCC 1 ♂ 11-VI-66 (KB); Vead 2 ♂; Cav 1 ♂; Camp 1 ♂ 16-XII-35 (OC); Anap 1 ♂ 10-XI-50 (OM); Arag 1 ♂ II-30; Go 1 ♂. Males on wet sand.
409. *Myscelus amystis epigona* H.-Sch., 1869.*
PPW 1 ♂ 27-II-66.
410. *Myscelus epimachia epimachia* H.-Sch., 1869.
Vead 1 ♂; Leop 1 ♂ XI-37.

We expect this list to grow by at least nine species, probably including the following, which are already known from the interior of Brazil: *Elbella intersecta ilona*, *Jemadia fallax*, and *Passova passova practa*, as well as three species of *Pyrrhopyge* and another each of *Jemadia* and *Elbella*.

PYRGINAE (Section A)

411. *Phocides polybius phanias* (Burm., 1880).
SobrdW 1 ♀ 22-II-66; JZool 1 ♀ 29-I-61; Vead 1 ♂.
412. *Phocides metrodorus metrodorus* Bell, 1932.
Vead 3 ♂.
413. *Phocides pigmalion hewitsonius* (Mab., 1883).
Vead 1 ♂.
414. *Phanus australis* Miller, 1965.*
SobrdW 1 ♀ 22-II-66, 2 ♀ 24-II-66; Cav 1 ♂; Vian 1 ♂ XI-31.
415. *Phanus vitreus* (Stoll, 1781).
SobrdW 1 ♂ 24-II-66 (KB); Cav 1 ♂. Latter specimen has genitalia identical to those figured by Miller (1965) for the "unclassified specimen no. 1," fig. 10 ♂, 16 valva. Miller's specimen probably is an aberrant *P. vitreus*.
416. *Udranomia orcinus* (Feld., 1867).
SobrdW 1 ♂ 24-II-66; Vian 1 ♂ III-30. Alights with wings held in an open position, as does *U. spitzi*.
417. *Udranomia spitzi* (Hayw., 1942).
SobrdR 1 ♂ 22-II-66; BrasCC 1 ♀ 11-VI-66 (KB); Camp 1 ♀ I-38; Leop 1 ♂ X-37, 1 ♀ XI-37; Arag 1 ♀ XII-31.
418. *Drephalys dumeril* (Latr., 1824).
K222 1 ♂ 20-II-66. Flies within the forest and lands with wings semiclosed, under leaves.
419. *Augiades epimethea epimethea* (Plötz, 1883).
SobrdW 1 ♀ 22-II-66; PPW 1 ♂ 1 ♀ 19-II-66, 3 ♂ 27-II-66. Flies within the forest, lands with wings open, under leaves.
420. *Proteides mercurius mercurius* (F., 1781).
Fercal 1 ♂ 17-VIII-65 (KB); Cav 2 ♂. Lands with wings closed; visits wet sand.
421. *Epargyreus enispe* (Hew., 1867).*
Camp 1 ♀ XII-35 (OM); Leop 3 ♀ X-37, 1 ♀ XI-37, 1 ♀ XII-37; Arag 1 ♀ XII-31.
422. *Epargyreus socus socus* Hbn., 1825.
Maranhão 1 ♂ 17-VIII-65 (KB); Leop 1 ♂ XI-37; PPW 2 ♂ 19-II-66, 1 ♂ 27-II-66.
423. *Epargyreus exadeus exadeus* (Cr., 1779).
Fercal 1 ♂ 25-II-66; Vead 2 ♂; Cav 1 ♂; Vian 1 ♀ III-30.

424. *Epargyreus clavicornis clavicornis* (H.-Sch., 1869).
SobrdW 1 ♂ 24-II-66. All the species of *Epargyreus* land with wings closed.
425. *Polygonus leo leo* (Gmelin, 1790).
Cav 1 ♀; Arag 1 ♂ X-31; PPW 1 ♂ 2 ♀ 19-II-66, c 27-II-66.
426. *Polygonus manuelei manuelei* Bell & Comstock, 1948.
Parac 1 ♂ 22-XII-20, 1 ♂ 20-II-22. The species of *Polygonus* fly within the forest, land under leaves with wings closed; on flowers land with wings open.
427. *Chioides catillus catillus* (Cr., 1779).
SobrdW 1 ♂ 11-VIII-65 (KB), 1 ♂ 22-II-66; Fercal 1 ♂ 15-VIII-65, 3 ♂ 17-VIII-65, 1 ♂ 23-II-66; Vead 3 ♂; Leop 5 ♂ 1 ♀ XI-37; Vian 1 ♂ III-30; PPW 1 ♀ 27-II-66. Lands with wings closed; visits wet sand.
428. *Aguna asander asander* (Hew., 1867).
SobrdW 1 ♀ 22-II-66; Maranhão 1 ♂ 17-VIII-65; Camp 1 ♂ 1 ♀ I-38; K222 c 20-II-66; PPW c 19, 27-II-66, 1 ♀ 6-VI-66. Flies within the forest and lands under leaves with wings closed; also common on flowers.
429. *Aguna hypozonius* (Plötz, 1881).
SobrdW 1 ♂ 22-II-66. Alights with wings closed, as do the following two species.
430. *Aguna albistria albistria* (Plötz, 1881).
SobrdW 1 ♀ 12-VIII-65 (KB), 1 ♂ 22-II-66; JZool 1 ♂ 22-II-63, 1 ♀ 20-II-66; Goiânia 1 ♂ 6-III-63; Leop 1 ♂ X-37, 1 ♂ XI-37; Vian 1 ♀ III-30.
431. *Typhedanus undulatus* (Hew., 1867).
JZool 1 ♀ 21-II-66, 1 ♂ 8-VI-66; K485 1 ♂ 26-II-66; K222 1 ♂ 1 ♀ 20-II-66.
432. *Polythrix octomaculata octomaculata* (Sepp, 1848).
Maranhão 1 ♂ 18-VIII-65 (KB). Perches with wings open.
433. *Codatractus aminias* (Hew., 1867).
Fercal 1 ♂ 17-VIII-65 (KB). Alights with wings closed.
434. *Urbanus proteus proteus* (L., 1758).
SobrdW 1 ♀ 12-VIII-65; Fercal 2 ♂ 25-II-66; JZool 2 ♂ 2 ♀ 21-II-66, 1 ♂ 8-VI-66; Camp 1 ♂ I-38; Goiânia 1 ♀ 7-III-63; PPW 1 ♂ 19-II-66.
435. *Urbanus esmeraldus* (Butl., 1877).
Vead 1 ♂; K222 1 ♂ 20-II-66 (KB).
436. *Urbanus esma* Evans, 1952.
PPW 1 ♂ 19-II-66.
437. *Urbanus esta* Evans, 1952.
SobrdW 1 ♂ 12-VIII-65, 1 ♂ 1 ♀ 13-VIII-65; Fercal 1 ♀ 25-II-66; JZool 2 ♀ 21-II-66; Goiânia 1 ♂ 30-I-62; Leop 1 ♂ XI-37.
438. *Urbanus dorantes dorantes* (Stoll, 1790).
SobrdW 1 ♀ 22-II-66; JZool 3 ♂ 21-II-66; Vead 1 ♂; Cav 1 ♀; Camp 1 ♂ I-38; Leop 3 ♂ 1 ♀ XI-37; PPEflex 1 ♂ 19-II-66; PPW 1 ♀ 19-II-66. Widely distributed and common, more so than the records indicate.
439. *Urbanus teleus* (Hbn., 1821).
SobrdW 2 ♂ 11-VIII-65, 1 ♂ 13-VIII-65; Fercal 1 ♂ 23-II-66, 1 ♂ 25-II-66; JZool 2 ♀ 21-II-66; PPW 1 ♂ 19-II-66. Generally distributed and common.
440. *Urbanus simplicius* (Stoll, 1790).
SobrdW 1 ♂ 22-II-66; Contagem 2 ♂ 23-II-66; Fercal 1 ♂ 25-II-66; Goiânia 1 ♂ 6-III-63; K485 1 ♂ 26-II-66; K222 2 ♂ 20-II-66; PPEflex 1 ♂ 19-II-66.
441. *Urbanus procne* (Plötz, 1881).
JZool 1 ♂ 21-II-66, 1s 8-VI-66.
442. *Urbanus cindra* Evans, 1952.
Fercal 1 ♂ 25-II-66; Leop 10 ♂, 1 ♀ XI-37.
443. *Urbanus evenus* (Mén., 1855).
SobrdW 1 ♂ 24-II-66; JZool 1s 21-II-66; Camp 1 ♀ I-38; Leop 1 ♂ X-37, 2 ♂ 3 ♀ XI-37; Vian 1 ♂ 1 ♀ III-30, 1 ♀ XII-31; K222 2 ♂ 20-II-66; Pirapora, Minas Gerais 1 ♂ 1 ♀ (DZ). Flies only in the cerrado.

444. *Urbanus doryssus doryssus* (Swains., 1831).
SobrdW 1 ♂ 22-II-66 (KB).
445. *Urbanus doryssus albicuspis* (H.-Sch., 1869).
Camp 1 ♀ I-38. The planalto may be the meeting point of these rather distinct appearing subspecies.
446. *Urbanus albimargo takuta* Evans, 1952.
Maranhão 1 ♂ 15-VIII-65 (KB).
447. *Urbanus virescens* (Mab., 1877).
Contagem 2 ♂ 23-II-66 (1 with KB). With the exception of *U. dorantes* which lands with closed wings, members of *Urbanus* generally land with semi-open wings.
448. *Astraptes fulgerator fulgerator* (Walch, 1775).
SobrdW 1 ♂ 24-II-66; Camp 1 ♀ I-38; Vian 1 ♀ XI-31; PPW 1 ♂ 27-II-66, 1 ♂ 6-VI-66.
449. *Astraptes alardus alardus* (Stoll, 1790).
SobrdW 2 ♂ 12-VIII-65 (KB).
450. *Astraptes creteus siges* (Mab., 1903).*
Camp 1 ♂ I-38; PPW 1 ♂ 27-II-66. The species of *Astraptes* land with wings usually semi-open but at times closed.
451. *Autochton zarex* (Hbn., 1818).
Fercal 1 ♂ 23-II-66; Vead 1 ♂; Camp 1 ♂ 20-XII-35 (OC); Vian 1 ♂ 1 undetermined sex III-30.
452. *Autochton neis* (Geyer, 1832).
Fercal 1 ♀ 25-II-66; Maranhão 1 ♂ 12-VI-66 (KB); JZool 2 ♂ 1 ♀ 21-II-66.
453. *Autochton integrifascia* (Mab., 1891).
PPEflex 1 ♂ 7-VI-66 (KB).
454. *Autochton itylus* Hbn., 1823.
JZool 2 ♂ 21-II-66 (1 with KB). The species of *Autochton* land with wings semi-open.
455. *Bungalotis erythus* (Cr., 1775).
PGama 1 ♂ s 9-VI-66. Seen at close range with binoculars to verify identification. This individual landed with wings open, under a rock on a vertical cliff face in the shade.
456. *Sarmientoia phaselis* (Hew., 1867).
Vead 1 ♂; Tag 1 ♂.
457. *Cephise cephise hydarnes* (Mab., 1876).
PPEflex 1 ♂ 7-VI-66 (KB). Lands with wings semi-open, under leaves.
458. *Celaenorrhinus similis similis* Hayw., 1933.
SobrdW 1 ♀ 22-II-66; Fercal 1 ♂ 17-VIII-66; Maranhão 2 ♀ 14-VIII-65; Camp 1 ♂ 1-I-36 (OC), 3 undetermined sex I-38; PPW 2 ♂ 27-II-66, 1 ♀ 6-VI-66. Lands under leaves with wings open.

We expect Section A of the Pyrginae to be represented by about 80 species in the planalto (there are 47 on this list), including a number of crepuscular and nocturnal forms which are very poorly known. At least the following species are recorded by Evans from Goiás, from specimens in the British Museum: *Phocides thermus valgus*, *Entheus eumelus ninyas*, *Typhedanus orion*, *T. optica goya*, *Polythrix roma*, *P. caunus*, and *Astraptes colossus rhoda*.

PYRGINAE (Section B)

459. *Spathilepia clonius* (Cr., 1775).
Fercal 1 ♂ 23-II-66 (KB). Lands with wings semi-open.

460. *Cogia Abdul Hayw.*, 1946.
SobrdW 1 ♀ 22-II-66; Leop 3 ♂ XII-37; Vian 1 ♂ 1 ♀ III-30; Arag 1 ♂ III-30.
461. *Cogia calchas* (H.-Sch., 1869).
Vead 1 ♂; RClaro 1 ♀ 18-VIII-63; Leop 1 ♂ III-38; Vian 1 ♂ 1 ♀ XII-29, 2 ♀ III-30; Arag 1 ♂ III-30; K485 3 ♂ 26-II-66.
462. *Cogia grandis* Riley, 1921.
Camp 1 ♂ 1 ♀ XII-35 (OM); Leop 1 ♀ II-30, 3 ♀ X-37, 3 ♀ XI-37, 1 ♀ XII-37; Vian 1 ♀ III-30; Arag 1 ♀ II-30.
463. *Telemiades amphion marpesus* (Hew., 1876).*
SobrdW 1 ♂ 24-II-66 (KB).
464. *Telemiades laogonus nicola* (Plötz, 1882).
Vian 1 ♀ III-30.
465. *Spioniades artemides* (Stoll, 1782).
SobrdR 1 ♂ 22-II-66 (KB); Maranhão 1 ♂ 18-VIII-65 (KB).
466. *Sophista latifasciata latifasciata* (Spitz, 1930).
Vian 1 ♀ III-30; Leop 1 ♀ X-37, 1 ♂ XI-37; Arag 1 ♂ II-30, 1 ♀ III-30.
467. *Polyctor polyctor polyctor* (Prittw., 1868).
Maranhão 1 ♂ 18-VIII-65 (KB); PPW 1 ♂ 27-II-66.
468. *Nisoniades macarius* (H.-Sch., 1870).
Fercal 1 ♂ 23-II-66; JZool 1 ♂ 21-II-66.
469. *Nisoniades bipuncta* (Schaus, 1902).*
Fercal 1 ♂ 25-II-66; Camp 1 ♂ I-38.
470. *Nisoniades castolus* (Hew., 1878).
SobrdW 1 ♂ 24-II-66; Fercal 1 ♂ 25-II-66; Vian 1 ♂ III-30; K222 1 ♂ 20-II-66.
471. *Pachyneuria inops* (Mab., 1877).*
SobrdW 4 ♂ 24-II-66.
472. *Pellicia costimacula costimacula* (H.-Sch., 1870).
Camp 1 ♂ III-30; K485 1 ♂ 26-II-66.
473. *Pellicia dimidiata zamia* (Mab., 1878).
Fercal 1 ♂ 23-II-66; Maranhão 1 ♂ 12-VI-66 (KB).
474. *Pellicia ranta rancida* Evans, 1953.*
Camp 1 ♂ III-30.
475. *Pellicia chapada* Will. & Bell, 1939.
Vead 1 ♂ (OM).
476. *Morvina fissimacula fissimacula* (Mab., 1878).*
PPW 4 ♂ 1 ♀ 27-II-66 (3 ♂ with KB).
477. *Viola violella* (Mab., 1897).
SobrdR 1 ♂ 22-II-66; SobrdW 2 ♂ 22-II-66; Fercal 4 ♂ 25-II-66; JZool 1 ♂ 21-II-66; RClaro 1 ♂ 13-III-63; Leop 1 ♂ X-37, 1 ♂ XI-37; Vian 1 ♀ III-30, 1 ♂ XII-31; K222 1 ♂ 20-II-66.
478. *Staphylus epicaste melangon* (Mab., 1883).
Fercal 1 ♀ 25-II-66; Vead 1 ♂; Camp 1 ♂ I-38; Leop 1 ♂ XII-30; K222 1 ♂ 20-II-66; PPW 1 ♂ 27-II-66.
479. *Staphylus minor minor* Schaus, 1902.
Camp 1 indetermined sex I-38.
480. *Trina geometrina geometrina* (Feld., 1867).
Fercal 1 ♂ 23-II-66, 1 ♂ 25-II-66; Maranhão 1 ♂ 12-VI-66; JZool 1 ♂ 21-II-66; Anap 1 ♂; Camp 1 ♂ III-30, 1 ♂ I-38; Vian 2 ♂ III-30; PPW 1 ♂ 6-VI-66.
481. *Diaeus lacaena variegata* (Plötz, 1884).
Vian 1 ♂ III-38.
482. *Gorgythion begga begga* (Prittw., 1886).
SobrdW 1 ♂ 1 ♀ 22-II-66, 1 ♀ 24-II-66; Contagem 1 ♀ 23-II-66; Fercal 2 ♂ 25-II-66; JZool c 21-II-66; Goiânia 1 ♂ 5-II-63; Leop 2 ♂ 2 ♀ XI-37; Vian 5 ♂ 2 ♀ III-30; K485 1 ♂ 26-II-66; K222 1 ♂ 1 ♀ 20-II-66; PPEflex 6 ♂ 19-II-66; PPW 1 ♂ 6-VI-66. Widely distributed and generally common in wooded areas.

483. *Gorgythion beggina escalophoides* Hayw., 1941.
SobrdW 2♂ 22-II-66; Leop 1♂ X-37; Vian 4♂ 4♀ III-30, 1♂ XI-31; Arag 2♂ II-30; K485 1♂ 26-II-66.
484. *Gorgythion canda* Evans, 1953.
SobrdW 2♂ 22-II-66; Vian 2♂ III-30; Arag 2♂ II-30; K485 c 26-II-66; K222 1♂ 20-II-66.
485. *Quadrus ceriales* (Stoll, 1782).
JZool 1♀ 8-VI-66; PPEflex 1♂ 2♀ 27-II-66.
486. *Gindanes brebisson brebisson* (Latr., 1824).*
SobrdW 1♂ 1♀ 24-II-66.
487. *Pythonides jovianus fabricii* Kirby, 1871.
Vead 1♀; Camp 1♂ I-38; Leop 1♀ III-38; Vian 1♀ III-30; K485 3♂ 26-II-66; K222 c 20-II-66; PPW 1♂ 27-II-66.
488. *Pythonides lancea* (Hew., 1868).*
K485 1♂ 26-II-66; K222 1♂ 20-II-66; PPW 1♂ 27-II-66.
489. *Pythonides tullia* Evans, 1953.*
Cav 1♂.
490. *Pythonides herennius herennius* Geyer, 1838.
Vead 1♂.
491. *Pythonides grandis assecla* Mab., 1883.
Camp 1♀ I-38; Vian 1♂ III-30, 1♀ XI-31.
492. *Pythonides limaea limaea* (Hew., 1868).
K222 1♂ 20-II-66.
493. *Sostrata cronion* (Feld., 1867).
Parac 1♀ 20-II-19.
494. *Milanion hemes memba* Evans, 1953.
Leop 1♂ XII-37; Vian 1♂ III-30.
495. *Mylon menippus* (F., 1776).
SobrdW 2♂ 24-II-66; Fercal 1♂ 25-II-66; Camp 1♂ I-38.
496. *Mylon pelopidas* (F., 1793).
JZool 1♂ 21-II-66, 2♂ 8-VI-66 (KB).
497. *Xenophanes tryxus* (Stoll, 1780).
Fercal 2♂ 23-II-66; JZool 1♀ 20-II-63, 3♂ 3♀ 21-II-66; Vead 1♂; Camp 1♂ III-30, 3♂ I-38; Vian 1♀ III-30; K222 1♂ 20-II-66; PPEflex 1♂ 2♀ 19-II-66; Fazenda Saia Velha, S. Distr. Fed. 1♂ 1-III-63 (NT).
498. *Antigonus nearchus* (Latr., 1824).
Fercal 1♂ 23-II-66, 1♂ 25-II-66; Maranhão 1♂ 18-VIII-65; Vead 1♂; Leop 2♂ XII-37.
499. *Antigonus erosus* (Hbn., 1812).
Contagem 1♀ 23-II-66; Fercal 2♂ 23-II-66, 1♂ 25-II-66; JZool 1♀ 21-II-66; Vead 3♂; Camp 1♂ I-38; Leop 3♂ XII-37; K222 1♂ 20-II-66; PPW 2♀ 19-II-66.
500. *Antigonus liborius liborius* Plötz, 1884.*
JZool 1♂ 21-II-66.
501. *Timochreon satyrus tampa* Evans, 1953. (?)
RClaro 1♂ 21-VIII-63. Subspecies incertain.
502. *Zopyrion evenor evenor* Godm. & Salv., 1901.
Arag 1♂ II-30; K222 c 20-II-66; PPEflex 1♂ 19-II-66.
503. *Zopyrion reticulata* Hayw., 1942.
Leop 1♂ 1♀ XI-37, 4♂ 1♀ III-38; Vian 1♀ (allotype) III-30.
504. *Anisochoria pedalioidina extincta* Hayw., 1933.
Fercal 1♂ 25-II-66; PPW 1♀ 19-II-66.
505. *Anisochoria superior* Mab., 1897.
Leop 1♂ XII-37.

506. *Anisochoria vianna* Evans, 1953.
Leop 2 ♂ XII-37; K485 2 ♂ 26-II-66.
507. *Achlyodes busirus rioja* Evans, 1953.
Contagem 1 ♂ 1 ♀ 23-II-66; Maranhão 1 ♀ 14-VIII-65, 1 ♀ 15-VIII-65; Vead 2 ♂; Vian 1 ♀ III-30; K485 1 ♀ 26-II-66; K222 2 ♀ 20-II-66; PPW 1 ♂ 27-II-66.
508. *Achlyodes thraso thraso* (Hbn., 1807).
SobrdW 1 ♂ 22-II-66, 2 ♂ 24-II-66; Contagem 1 ♂ 1 ♀ 23-II-66; Maranhão 1 ♀ 14-VIII-65; JZool 1 ♂ 2 ♀ 21-II-66; Vian 3 ♂ 2 ♀ III-30; PPW 2 ♀ 27-II-66.
509. *Grais stigmaticus stigmaticus* (Mab., 1883).
SobrdR 1 ♂ 11-VIII-65; SobrdW 2 ♂ 1 ♀ 22-II-66; JZool 1 ♂ 21-II-66.
510. *Timochares trifasciata trifasciata* (Hew., 1868).
SobrdW 1 ♂ 11-VIII-65, 1 ♂ 12-VIII-65; Fercal 1 ♂ 23-II-66.
511. *Anastrus sempiternus simplicior* (Moeschler, 1876).
SobrdW 1 ♂ 24-II-66; PGama 1 ♂ 9-VI-66; Leop 1 ♂ XII-37; K485 1 ♂ 26-II-66.
512. *Ebrietas anacreon anacreon* (Stgr., 1876).
SobrdW 1 ♀ 24-II-66; Contagem 1 ♂ 23-II-66; Fercal 4 ♂ 23-II-66; Camp 1 ♂ I-38; Leop 2 ♂ XII-37.
513. *Cycloglypha polax* Evans, 1953.
Vead 1 ♂ (OM); Arag 1 ♂ II-30.
514. *Cycloglypha thrasibulus thrasibulus* (F., 1793).
SobrdW 1 ♂ 22-II-66; Vead 1 ♂; Camp 1 ♂ I-38; Leop 1 ♂ XII-37; K485 1 ♂ 26-II-66; K222 1 ♂ 2 ♀ 20-II-66.
515. *Helias phalaenoides palpalis* (Latr., 1824).
SobrdW 1 ♀ 13-VIII-65; Contagem 1 ♀ 23-II-66; Fercal 2 ♂ 25-II-66; Leop 1 ♂ XII-37; Vian 3 ♂ III-30; Parac 1 ♀ 4-III-21; PPEflex 2 ♂ 1 ♀ 19-II-66, 1 ♂ 27-II-66.
516. *Camptopleura auxo* (Moeschler, 1878).
Fercal 1 ♂ 25-II-66; K222 1 ♂ 20-II-66.
517. *Theagenes dichrous* (Mab., 1878).*
SobrdR 1 ♂ 22-II-66 (KB).
518. *Chiomara asychis autander* (Mab., 1891).
Maranhão 1 ♂ 15-VIII-65 (KB).
519. *Chiomara crenda* Evans, 1953.*
Leop 1 ♂ XII-37.
520. *Chiomara punctum* (Mab., 1878).
Fercal 1 ♂ 25-II-66; Maranhão 1 ♂ 23-II-66; JZool 1 ♂ 27-I-62; Leop 1 ♂ 1 ♀ II-30, 2 ♂ 1 ♀ XI-37; Vian 1 ♀ III-30; K485 1 ♂ 26-II-66.
521. *Gesta gesta gesta* (H.-Sch., 1863).
Fercal 3 ♂ 1 ♀ 25-II-66; JZool 1 ♂ 21-II-66; Goiânia 1 ♂ 30-I-62; Vian 1 ♂ 1 ♀ III-30; PPEflex 1 ♂ 19-II-66.
522. *Gesta heteropterus* (Plötz, 1884).
Anap 1 ♂ XII-35.
523. *Gesta austerus* (Schaus, 1902).
Leop 1 ♂ XII-37; K222 1 ♂ 20-II-66.
524. *Pyrgus oileus orcus* (Stoll, 1780).
Maranhão 1 ♀ 17-VIII-65; JZool 1 ♂ 21-II-66; Goiânia 1 ♂ 29-I-62, 1 ♂ 1 ♀ 30-I-62; Camp 1 ♂ (OC); RClaro 1 ♂ 12-VIII-63; Leop 1 ♀ III-38; PPEflex 2 ♂ 1 ♀ 19-II-66, 1 ♀ 7-VI-66; Ponte Funda, Goiás (Near Vian) 1 ♂ 1-III-63 (NT). A widespread, common subspecies.
525. *Heliopetes macaira orbigera* (Mab., 1888).
JZool 1 ♂ 21-II-66.

526. *Heliopetes domicella willi* (Plötz, 1884).
Arag 2 ♂ II-30; PPW 1 ♀ 19-II-66.
527. *Heliopetes omrina* (Butl., 1870).
JZool 1 ♂ 1 ♀ 21-II-66; Goiânia 1 ♂ 30-I-62; Leop 1 ♀ XII-37; Vian 1 ♀ III-30, 1 ♂ XI-31; K222 1 ♂ 20-II-66; PPW 1 ♀ 6-VI-66.
528. *Heliopetes arsalte arsalte* (L., 1758).
SobrdW 1 ♂ 12-VIII-65, 1 ♂ 13-VIII-65; Fercal 1 ♂ 23-II-66; Maranhão 1 ♂ 18-VIII-65; JZool 2 ♂ 1 ♀ 21-II-66; Camp 1 ♀ I-38; RClaro 1 ♂ 12-VIII-63, 1 ♂ 13-VIII-63; Leop 1 ♂ XI-37, 1 ♂ XII-37; Vian 1 ♂ 1 ♀ III-30; Arag 2 ♂ II-30; K222 2 ♂ 20-II-66; PPEflex 1 ♂ 1 ♀ 19-II-66, 1 ♀ 7-VI-66. Widespread and generally common.
529. *Heliopetes randa* Evans, 1953.
Parac 1 ♂ 22-XII-22.
530. *Heliopetes alana* (Reak., 1868).
Fercal 2 ♂ 25-II-66; JZool 1 ♂ 20-II-63, 3 ♂ 21-II-66; Camp 2 ♂ 1 ♀ I-38; Vian 3 ♂ 1 ♀ III-30; K222 1 ♂ 20-II-66.
531. *Heliopetes petrus* (Hbn., 1819).
Vead 1 ♂.

The present number of Pyrginae in Section B (72) will probably be increased to about 120 in the complete list. We expect the following species to be recorded from the planalto (those with a (‡) are recorded from Goiás by Evans, specimens in the British Museum): *Oechydrys chersis* subsp., *Marela tamyrus* and *tamyroides*, *Cogia hassan evansi* (‡) and *punctilia* (‡), *Telemiades squanda* (‡), *nicomedes brazus*, *epicalus*, *penidas*, and *antiope*, *Pyrdalus corbulo*, *Eracon clinias*, *Mictris crispus*, *Sophista aristoteles*, *Nisoniades mimas*, *Pellicia vecina najoides* and *theon*, *Myrinia santa monka*, *Gorgopas trochilus*, *Viola minor*, *Bolla atahualpai* and *phylo oiclus*, *Staphylus buena* and *mazans ascalaphus*, *Gindanes brontinus bronta*, *Sostrata bifasciata adamas* (‡), *Milanion leucaspis*, *Mylon ander* (‡), *Mylon jason*, *Clito bibulus* (‡), *Clito clito*, *Timochreon doria*, *Aethilla echina echina* (‡), *Anastrus tolimus robigus* and *obscurus narva*, *Chiomara mithrax*, *Pyrgus communis orcynoides*, and *Heliopetes laviana libra*.

HESPERIINAE

532. *Dalla diraspes* (Hew., 1877).
Pirapora, M. G. (near João Pinheiro) 1 undetermined sex (DZ).
533. *Synapte antistia equa* Evans, 1955.
Goiânia 1 ♂ 1 ♀ (in copula) 30-I-62.
534. *Levina levina* (Plötz, 1884).
Vead 1 ♂.
535. *Zariaspes mys* (Hbn., 1808).
Contagem 1 ♂ 23-II-66; Fercal 1 ♂ 1 ♀ 25-II-66.
536. *Anthoptus epictetus* (F., 1793).
Fercal 2 ♂ 25-II-66; JZool 1 ♂ 1 ♀ 21-II-66; Goiânia 1 ♂ 5-III-63; K222 1 ♂ 20-II-66; PPEflex c 19, 27-II-66.
537. *Vinius tryhana istria* Evans, 1955.
PPW 1 ♂ 19-II-66.
538. *Callimormus radiola pusillus* Hayw., 1934.
Maranhão 1 ♂ 12-VI-66 (KB).

539. *Callimormus saturnus* (H.-Sch., 1869).
SobrdW 1 ♀ 22-II-66, 2 ♂ 24-II-66; Contagem 1 ♂ 23-II-66; JZool 3 ♂ 1 ♀ 21-II-66; Camp 1 ♂ I-38; Vian 1 ♂ III-39; K485 4 ♂ 1 ♀ 26-II-66; PPEflex 4 ♂ 19-II-66; Ponte Funda (near Vian), Goiás 1 ♂ 1-III-63 (NT).
540. *Callimormus juvenus* Sc., 1872.
JZool c 21-II-66; Leop 1 ♂ XII-37; Vian 3 ♂ 3 ♀ III-30; PPEflex 1 ♂ 27-II-66.
541. *Mnasicles hicetaon* Godm., 1901.
K222 1 ♂ 20-II-66; PPEflex 1 ♂ 19-II-66, 1 ♀ 27-II-66.
542. *Methionopsis ina* (Plötz, 1882).
JZool 5 ♂ 21-II-66.
543. *Sodalia sodalis* (Butl., 1877).
PPEflex 1 ♂ 19-II-66, 1 ♀ 27-II-66.
544. *Artines satyr* Evans, 1955.
Leop 1 ♂ XII-37.
545. *Aecas aecas* (Stoll, 1781).
SobrdW 1 ♂ 22-II-66 (KB).
546. *Lucida lucia lucia* (Capr., 1874).*
JZool 1 ♂ 21-II-66, 1 ♀ 22-II-66.
547. *Phanes aletes* (Geyer, 1832).
PPEflex 1 ♀ 19-II-66.
548. *Vidius vidius* (Mab., 1891).*
JZool 1 ♂ 21-II-66.
549. *Nastra lurida* (H.-Sch., 1869).*
Leop 1 ♀ XII-37.
550. *Nastra insignis* (Plötz, 1882).
Fercal 1 ♂ 23-II-66, 1 ♂ 25-II-66; JZool 1 ♀ 21-II-66.
551. *Cymaenes gisca* Evans, 1955.
SobrdW 1 ♀ 22-II-66; Fercal 1 ♂ 25-II-66; JZool 1 ♂ 1 ♀ 27-I-62, c 21, 22-II-66; Goiânia 1 ♂ 30-I-62; Vian 1 ♀ III-30; PPEflex c 19, 27-II-66, 1 ♀ 7-VI-66.
552. *Cymaenes tripunctus theogenis* (Capr., 1874).
Fercal 1 ♀ 25-II-66; JZool 1 ♂ 21-II-66; PPEflex 1 ♂ 19-II-66, 1 ♂ 27-II-66.
553. *Cymaenes chela* Evans, 1955.
SobrdW 1 ♂ 24-II-66; JZool 1 ♀ 21-II-66.
554. *Cymaenes laureolus loxa* Evans, 1955.
Maranhão 1 ♂ 23-II-66.
555. *Vehilius stictomenes stictomenes* (Butl., 1877).
Contagem 1 ♂ 23-II-66; Fercal 1 ♂ 1 ♀ 25-II-66; JZool 2 ♂ 3 ♀ 21-II-66; K222 3 ♂ 20-II-66; PPEflex c 19, 27-II-66; PPW 1 ♂ 6-VI-66.
556. *Vehilius inca* (Sc., 1872).
SobrdW 1 ♂ 22-II-66; Fercal 1 ♂ 25-II-66; JZool 2 ♂ 1 ♀ 21-II-66; K222 2 ♂ 1 ♀ 20-II-66; PPEflex 1 ♂ 19-II-66.
557. *Mnasilus allubita* (Butl., 1877).
Goiânia 1 ♂ 29-I-62; PPEflex c 19, 27-II-66.
558. *Moeris remus* (F., 1798).
SobrdW 1 ♀ 22-II-66, 2 ♂ 24-II-66; JZool 2 ♂ 21-II-66; BrasCC 1 ♂ 11-VI-66; Camp 1 ♂ I-38; Vian 1 ♂ 1 ♀ III-30.
559. *Papias subcostulata subcostulata* (H.-Sch., 1870).
SobrdW 1 ♂ 24-II-66; JZool 1 ♂ 2 ♀ 21-II-66, 1 ♂ 8-VI-66; PGama 1 ♂ 9-VI-66.
560. *Papias phainis* Godm., 1900.
Goiânia 1 ♂ 1 ♀ 30-I-62, 1 ♂ 5-III-63.
561. *Cobalopsis potaro* (Will. & Bell, 1931).
SobrdW 2 ♂ 22-II-66; Contagem 2 ♂ 1 ♀ 23-II-66; JZool c 21-II-66; PPW 1 ♂ 27-II-66.

562. *Cobalopsis nero* (H.-Sch., 1869).
SobrdW 1 ♀ 24-II-66.
563. *Lerema lineosa* (H.-Sch., 1865).
Leop 1 ♂ III-38.
564. *Morys geisa geisa* (Moeschler, 1878).
JZool 1 ♂ 21-II-66; K222 1 ♂ 1 ♀ 20-II-66; PPEflex 1 ♂ 1 ♀ 27-II-66.
565. *Morys valerius valerius* (Moeschler, 1878).
Fercal 1 ♂ 25-II-66.
566. *Morys subgrisea subgrisea* (Mab., 1897).
SobrdW 1 ♂ 22-II-66; Leop 1 ♂ X-37, 1 ♂ 1 ♀ XI-37, 2 ♀ XII-37; Arag 1 ♀ II-30; K222 1 ♂ 20-II-66.
567. *Cumbre belli eberti* Evans, 1955.
SobrdW 1 ♂ 24-II-66.
568. *Vettius phyllus phyllus* (Cr., 1777).
Camp 2 ♂ 2-I-36 (OC); Vian 1 ♂ II-30, 1 ♂ III-30.
569. *Vettius lafresnayei pica* (H.-Sch., 1869).
JZool 1 ♂ 8-VI-66 (KB).
570. *Vettius artona* (Hew., 1868).
PGama 1 ♂ 9-VI-66 (KB).
571. *Vettius marcus marcus* (F., 1787).
SobrdR 1 ♀ 22-II-66; SobrdW 1 ♀ 24-II-66; Contagem 1 ♂ 2 ♀ 23-II-66; Fercal 3 ♂ 25-II-66.
572. *Justinia phaetusa phaetusa* (Hew., 1866).
K222 1 ♀ 20-II-66 (KB).
573. *Naevolus orius orius* (Mab., 1883).
PPW 1 ♂ 27-II-66.
574. *Talides alternata alternata* (Bell, 1941).
Maranhão 1 ♂ 12-VI-66 (KB).
575. *Synale metella* (Plötz, 1882).
Leop 1 ♀ XI-37.
576. *Carystoides basoches basoches* (Latr., 1824).
PPW 2 ♂ 27-II-66 (1 with KB).
577. *Perichares philetes adela* (Hew., 1867).
JZool 2 ♀ 21-II-66, 3 ♂ 8-VI-66; Vead 1 ♂; Anap 1 ♀ XII-35; PPW 1 ♂ 19-II-66, 1 ♂ 27-II-66.
578. *Saturnus saturnus servus* Evans, 1955.*
Goiânia 1 ♂ 30-I-62, 1 ♂ 6-III-63.
579. *Quinta locutia* (Hew., 1876).*
SobrdR 1 ♀ 22-II-66; JZool 1 ♂ 21-II-66.
580. *Cynea irma* (Moeschler, 1878).
Fercal 1 ♂ 25-II-66.
581. *Cynea diluta* (H.-Sch., 1869).
SobrdW 1 ♂ 24-II-66; JZool 2 ♀ 21-II-66.
582. *Conga chydaea* (Butl., 1870).
SobrdW 1 ♂ 24-II-66; Fercal 1 ♂ 1 ♀ 25-II-66; JZool 1 ♀ 21-II-66; Leop 1 ♂ XII-37; PPEflex 2 ♀ 27-II-66.
583. *Hylephila phyleus phyleus* (Drury, 1770).
PPEflex 1 ♂ 7-VI-66.
584. *Polites vibex catilina* (Plötz, 1886).
JZool 1 ♀ 21-II-66; PPEflex 1 ♂ 19-II-66, 1 ♀ 27-II-66.
585. *Wallengrenia premnas* (Wallengr., 1860).
SobrdR 1 ♀ 22-II-66.
586. *Pompeius pompeius* (Latr., 1824).
Fercal 2 ♂ 23-II-66, 2 ♂ 25-II-66; JZool 1 ♂ 1 ♀ 21-II-66, 1 ♂ 8-VI-66; Camp 1 ♂ III-30; PPEflex 1 ♂ 1 ♀ 19-II-66, 1 ♀ 6-VI-66.

587. *Pompeius postpuncta* (Draudt, 1924).
BrasCC 1 ♂ 11-VI-66 (KB).
588. *Pompeius amblyspila* (Mab., 1897).
BrasCC 1 ♂ 11-VI-66 (KB); Leop 1 ♀ XII-37; K485 1 ♂ 26-II-66; K222 1 ♂ 20-II-66.
589. *Lerodia eufala eufala* (Edw., 1869).
JZool 1 ♀ 22-II-66.
590. *Lerodea erythrostictus* (Prittw., 1868).*
SobrdW 1 ♀ 12-VIII-65; Leop 1 ♂ III-38; K222 2 ♀ 20-II-66.
591. *Vacerra bonfilius bonfilius* (Latr., 1824).
Vian 1 ♀ III-30.
592. *Panoquina ocola* (Edw., 1863).
Camp 1 ♂ I-38; Arag 1 ♀ II-30; PPW 2 ♂ 27-II-66.
593. *Panoquina hecebolus* (Sc., 1872).
JZool 1 ♂ 8-VI-66 (KB); PPW 1 ♂ 1 ♀ 27-II-66.
594. *Panoquina chapada* Evans, 1955.
SobrdW 1 ♂ 22-II-66; JZool 1 ♂ 21-II-66; BrasCC 1 ♀ 11-VI-66 (KB); K485 1 ♂ 26-II-66.
595. *Panoquina sylvicola* (H.-Sch., 1865).
SobrdW 1 ♂ 24-II-66; Contagem 1 ♂ 1 ♀ 23-II-66; JZool 3 ♂ 1 ♀ 21-II-66; Cav 1 ♂; Leop 1 ♀ XI-37, 1 ♀ III-38; Arag 1 ♀ II-30; PPW c 19, 27-II-66.
596. *Panoquina bola* Bell, 1942.
SobrdR 1 ♂ 22-II-66; JZool 2 ♂ 21-II-66.
597. *Nyctelius nyctelius nyctelius* (Latr., 1824).
JZool 1 ♂ 21-II-66.
598. *Thespieus dalman* (Latr., 1824).
Fercal 1 ♂ 25-II-66.
599. *Niconiades xanthaphes* Hbn., 1821.
PPW 2 ♂ 19-II-66, 1 ♂ 27-II-66.
600. *Aides epitus epitus* (Stoll, 1781).
Vead 3 ♂.
601. *Xeniades orchamus orchamus* (Cr., 1777).
SobrdW 2 ♂ 11-VIII-65, 1 ♂ 13-VIII-65, 1 ♂ 1 ♀ 22-II-66, 2 ♂ 24-II-66; Contagem 1 ♂ 23-II-66.
602. *Xeniades chalestra chalestra* (Hew., 1866).
SobrdW 1 ♂ 1 ♀ 22-II-66, 1 ♂ 24-II-66.
603. *Saliana longirostris* (Sepp, 1848).
JZool 1 ♀ 21-II-66, 1 ♂ 22-II-66.
604. *Pyrhopygopsis socrates socrates* (Mén., 1885).
Vead 2 ♂.

We expect the number of Hesperinae to at least double from the present 71, perhaps reaching more than 150. Among the additions should be the following species, already known from the area: *Callimormus alsimo*, *Vidius finta*, *Vehilius gorta*, *Synale elana elana*, *Perichares lotus*, *Mellana perfida*, *Mellana clavus*, *Calpodes ethlius*, *Oxyntes corusca*, and *Thracides cleantes cleantes*. Although many more species are known from Mato Grosso or Minas Gerais, there is little information available about them and often only a few specimens known.

We also have three or four species of *Corticea* (Hesperinae) that will require a revision of the genus; five new species of Pyrginae; and about

15 new species of Hesperinae. The first 17 of these will be published shortly, as part II of this series (Mielke, 1967).

Total for Hesperidae: 229. Predicted to occur in planalto: approximately 370 species, therefore about 62% of the total represented at present.

Total species at present: 628. Total estimated: 984, therefore about 64% represented at present.

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