

TINEIDÆ.

Erechthias erebistis, n. sp.

♂. 12mm. Head, palpi, antennæ, thorax, abdomen, and legs dark fuscous. Forewings elongate-lanceolate; dark fuscous; scales in disc and posteriorly more blackish-fuscous, with fine fuscous-whitish tips; two or three scattered whitish scales towards costa before middle; a whitish dot on costa before apex, and another on hindmargin below apex: cilia dark grey, with two blackish lines (imperfect). Hindwings fuscous, becoming dark fuscous towards apex, thinly scaled and semitransparent on basal third; cilia dark grey, with indications of two black lines round apex.

One specimen. Although obscure, it cannot be confused with any other; it may be placed near *E. charadrota*.

 ART. XV.—*Catalogue of the Described Species of New Zealand Araneidæ.*

By A. T. URQUHART, Corr. Mem. Royal Society of Tasmania.

[Read before the Auckland Institute, 2nd November, 1891.]

THE subjoined list of the described species of New Zealand spiders—which has been compiled at the suggestion of Mr. T. F. Cheeseman, F.L.S., Curator of the Auckland Museum—may be taken as exhaustive, as the probabilities are that all the species described in foreign memoirs have been recorded by Dr. L. Koch in his great work "Die Arachniden Australiens" (referred to in the list as "D.A.A.").

With one exception, all the late Dr. L. Powell's examples of *Attidæ*—described in the Transactions of the New Zealand Institute (referred to as "vol."), have been retained for the present—where he, perhaps, only provisionally placed them—in the Latreillean genus *Salticus*.

More field and descriptive work needs to be done before any comparison can be drawn between the spider-fauna of New Zealand and that of better-worked countries—Great Britain for example; but, as many of the larger forms yet remain undescribed, and the *Micro-araneæ* are apparently well represented, the probabilities are that the *Araneidæ* will prove as comparatively rich as most of the other orders represented in New Zealand.

It may be worth recording that within the last few years—as far as my district is concerned—there has been a marked

decrease of orb-weavers; several of the more brightly coloured species and varieties, that were not uncommon at one time, I have failed to meet with since I became more specially interested in them. No doubt the introduced birds are mainly answerable for it, but the rapid increase of late years of *Pompilus* (possibly an introduced species) must tend to their destruction.

Ordo ARANEÆ.

Tribus TERRITELARIÆ.

Fam. THERAPHOSIDÆ.

Gen. NEMESIA, Latr.

Nemesia gilliesii, Camb., vol. x., 284.

Gen. HEXATHELE, Auss.

Hexathele petrerii, Goyen, vol. xix., 207.

" *höchstetteri*, Auss., D.A.A., 459.

Gen. ARBANITIS, L.K.

Arbanitis huttonii, Camb., Proc. Zool. Soc., 1879, 682.

Gen. MIGAS, L.K.

Migas paradoxus, L.K., D.A.A., 588.

" *distinctus*, Camb., Proc. Zool. Soc., 1879, 683.

Male des. by P. Goyen, F.L.S., vol. xix., 210.

" *sandageri*, Goyen, vol. xiii., 123.

Sub-Fam. THERAPHOSINÆ.

Gen. MACROTHELE, Auss.

Macrothele huttonii, Camb., vol. vi., 200.

Tribus TUBITELARIÆ.

Fam. DYSDERIDÆ.

Gen. SEGESTRIA, Latr.

Segestria suterii, Urq., vol. xxiv., 230.

Gen. OONOPS, Templ.

Oonops septem-cincta, Urq., vol. xxiii., 128.

Fam. DRASSIDÆ.

Gen. HERPYLLUS, mihi.

Herpyllus formicarius, Urq.

Drassus formicarius, Urq., vol. xix., 109.

Gen. DRASSUS, Walck.

Drassus pretiosus, L.K., D.A.A., 385.

" *erebus*, L.K., D.A.A., 387.

Gen. CHIRACANTHIUM, C. Koch.

Chiracanthium stratioticum, L.K., D.A.A., 408.

Gen. CLUBIONA, Walck.

Clubiona cambridgei, L.K., D.A.A., 416.

" *peculiaris*, L.K., D.A.A., 427.

" *viridicoma*, Urq., vol. xxiv., 233.

" *chevronia*, Urq., vol. xxiv., 231.

Gen. ZORA, C. Koch.

Zora frenata, L.K., D.A.A., 440.

Fam. AGELENIDÆ.

Gen. AMAUROBIUS, C. Koch.

Amaurobius finschii, L.K., D.A.A., 339.

" *maritima*, Camb., Proc. Zool. Soc., June, 1882.

Gen. ROBSONIA, Camb.

Robsonia marina, Camb., Proc. Zool. Soc., 1879, 687.

Argyronetra marina, Hector, vol. x., 300; C. H. Robson,
l.c., 299.

Robsonia submarina, Camb., MS., 1877.

Gen. TEGENARIA, Latr.

Tegenaria foliata, L.K., D.A.A., 356.

" *arboricola*, Urq., vol. xxiii., 129.

Gen. CAMBRIDGEA, L.K.

Cambridgea fasciata, L.K., D.A.A., 359; vol. vi., 202.

Tribus RETITELARIÆ.

Fam. THERIDIIDÆ.

Gen. ARGYRODES, E. Simon.

Argyrodes lepida, Camb., Proc. Zool. Soc., 1879, 688.

" *conus*, Urq., vol. xvii., 40.

Gen. ARIAMNES, Thor.

Ariamnes conifera, Urq., vol. xix., 96.

" *triangulatus*, Urq., vol. xix., 97.

" *attenuatus*, Urq., vol. xix., 98.

" *flavo-notatus*, Urq., vol. xxiv.

Gen. MIMETUS, Hentz.

Mimetus mendicus, Camb., Proc. Zool. Soc., 1879, 697.

" *sennio*, Urq.

Linyphia sennio, Urq., vol. xxiii., 137.

" *atri-cinctus*, Urq., vol. xxiv., 234.

Gen. THERIDIUM, Walck.

Theridium tepidariorum, C. Koch.*Theridium lunatum*, Sund. sv. spindl. Beskr. in Vet. Akad. Handl., f. 1831, p. 52.*Theridium tepidariorum*, C. Koch, "Die Arachniden," Bd. viii., p. 75.*Steatoda tepidariorum*, Thor., Rem. on Syn. of European Spid., n. 1, p. 80.*Theridium tepidariorum*, Blackw., Spid. of Great Brit. and Ir., ii., p. 80.*Theridium varium*, Urq., vol. xviii., 187. Port Mackay, Bowen (Port Denison), Rockhampton.

"Novara" expedition captured examples in New Zealand and St. Paul's Island. Thorell received specimens from St. Paolo, Brazil. The name occurs in Cambridge's Catalogue of Ceylon Araneidea, and I am indebted to Mr. Nathan Banks for examples from the United States of America. There is some uncertainty as to the original habitat of this species. It has evidently been imported into Northern Europe from a warmer climate, for C. Koch, Blackwall, and other writers who mention it state that it is only found in hothouses, and not out in the open air. Specimens have been captured in Sweden, Finland, and Southern Russia.

Theridium veruculatum, Urq., vol. xviii., 188." *blatteus*, Urq., vol. xviii., 190." *calyciferum*, Urq., vol. xviii., 192." *cruciferum*, Urq., vol. xviii., 193." *triloris*, Urq., vol. xviii., 194." *squalide*, Urq., vol. xviii., 195." *setiger*, Urq., vol. xviii., 196." *zantholabio*, Urq., vol. xviii., 197." *sericum*, Urq., vol. xviii., 198.

Male des. in vol. xxii., 258.

" *melanozantha*, Urq., vol. xix., 102." *tuberculatum*, Urq., vol. xix., 104." *maculopes*, Urq., vol. xix., 105." *viridana*, Urq., vol. xix., 106." *flabellifera*, Urq., vol. xix., 106." *venustulum*, Urq., vol. xix., 107." *albo-guttatum*, Urq., vol. xix., 108." *nigrofolium*, Urq., vol. xx., 112." *helvolum*, Urq., vol. xx., 113." *truncatum*, Urq., vol. xx., 115." *exornatum*, Urq., vol. xx., 115." *brunnea-folium*, Urq., vol. xxi., 142." *niger-punctillum*, Urq., vol. xxi., 143." *porphyreticum*, Urq., vol. xxi., 144." *gracilipes*, Urq., vol. xxi., 145." *zebrinia*, Urq., vol. xxii., 256." *pusillulum*, Urq., vol. xxii., 257.

- Theridium punica-punctata*, Urq., vol. xxiii., 147.
 " *apiatum*, Urq., vol. xxiii., 148.
 " *literatum*, Urq., vol. xxiii., 150.
 " *ampliatum*, Urq., vol. xxiv., 237.
 " *albo-cinctum*, Urq., vol. xxiv., 236.
 " *argentatum*, Urq., vol. xxiv., 235.

Gen. ERYCINA, Urq.

- Erycina violacea*, Urq., vol. xxiii., 152.

Gen. LATRODECTUS, Walck.

- Latrodectus scelio*, Thor., D.A.A., 279.
 " *katipo*, Powell, vol. iii., 56.

I was unable to procure fresh specimens of *katipo* to compare with the Australian form: judging from old examples the comparative difference between them is not of specific value. I received specimens from *Mr. Arthur Vogen*, captured by him three hundred miles inland of Croyden, Gulf of Carpentaria; am indebted to *Mr. Alex. Morton*, curator of the Tasmanian Museum, for Tasmanian examples; and I procured specimens in the vicinity of Sydney.

- Latrodectus katipo*, var. *attritus*, Urq., vol. xxii., 259.

Gen. LITHYPHANTES, Thor.

- Lithyphantes lepidus*, Cambr., Proc. Zool. Soc., 1879, 690.

Gen. ATKINSONIA, Cambr.

- Atkinsonia nana*, Cambr., Proc. Zool. Soc., 1879, 691.

Gen. PHYCOSOMA, Cambr.

- Phycosoma œcobioides*, Cambr., Proc. Zool. Soc., 1879, 692.

Gen. LINYPHIA, Latr.

- Linyphia subdola*, Cambr., Proc. Zool. Soc., 1879, 693.
 " *peramaena*, Cambr., Proc. Zool. Soc., 1879, 694.
 " *melanopygia*, Cambr., Proc. Zool. Soc., 1879, 696.
 " Female des. in vol. xix., 101.
 " *diloris*, Urq., vol. xviii., 184.
 " *trispatulata*, Urq., vol. xviii., 186.
 " *blatifer*, Urq., vol. xix., 99.
 " *rufocephala*, Urq., vol. xx., 109.
 " *lagenifera*, Urq., vol. xx., 111.
 " *purpura-punctata*, Urq., vol. xxi., 134.
 " *nitidulum*, Urq., vol. xxi., 136.
 " *rufo-lineata*, Urq., vol. xxi., 137.
 " *nemoralis*, Urq., vol. xxi., 140.
 " *multicola*, Urq., vol. xxiii., 140.
 " *cruentum*, Urq., vol. xxiii., 142.
 " *albi-apiata*, Urq., vol. xxiii., 143.
 " *pellos*, Urq., vol. xxiii., 146.
 " *absidata*, Urq., vol. xxiv.

Gen. ERIGONE, Sav. et Aud.

Erigone atriventer, Urq., vol. xix., 102.

Gen. STEGOSOMA, Cambr.

Stegosoma quadratum, Cambr., Proc. Zool. Soc., 1879, 698.

Gen. CORNICULARIA, Menge.

Cornicularia crinifrons, Urq., vol. xxiii., 155.

Gen. WALCKENAERA, Blackw.

Walckenaera cristata, Blk., Spid. of Great Brit. and Ir., 309;
Cambr., Proc. Zool. Soc., 1879, 693.

The Rev. O. P. Cambridge, who received specimens of both sexes from Mr. A. S. Atkinson, of Nelson, states: "I have carefully compared them with types of the species found both in England and in various parts of the Continent of Europe, and (with the exception of being a little larger) can find no structural differences whatever."

Fam. ENYOIDÆ.

Gen. HABRONESTES, L.K.

Habronestes marinus, Goyen, vol. xxii., 269.

" *celeripes*, Urq., vol. xxiii., 132.

" *scitula*, Urq., vol. xxiii., 135.

Gen. HUTTONIA, Cambr.

Huttonia palpimanoides, Cambr., Proc. Zool. Soc., 1879, 685.

Tribus ORBITELARIÆ.

Fam. TETRAGNATHIDÆ.

Gen. TETRAGNATHA, Latr.

Tetragnatha gulosa, L.K., D.A.A., 176. Island of St. Paul.

" ? *daindrigei*, White, Ann. and Mag. of Nat. Hist.,
1846, p. 46; L. Koch, D.A.A., 106.

" *typica*, Urq., vol. xxii., 251.

" *herbigrada*, Urq., vol. xxii., 252.

" *arborea*, Urq., vol. xxiii., 172.

" *multi-punctata*, Urq., vol. xxiii., 176.

" *flavida*, Urq., vol. xxiii., 177.

Gen. ISCHALEA, L.K.

Ischalea spinipes, L.K., D.A.A., 197.

Fam. EPEIRIDÆ.

Gen. ARGIOPE, Sav. et Aud.

Argiope syrmatica, L.K., D.A.A., 213. Port Denison.

Gen. EPEIRA, Walck.

- Epeira extuberata*, L.K., D.A.A., 61.
 " *crassa*, Walck., Hist. Nat. des Ins. Apt., t. xi., 127,
 D.A.A., 63.
 " *undata*, L.K., D.A.A., 73.
 " *verrucosa*, Walck., Hist. Nat., t. xi., 135; D.A.A., 112.
 " *feredayi*, Cambr., D.A.A., 122.
 " *brouni*, Urq., vol. xvii., 32.
 " *attenuata*, Urq., vol. xvii., 33.
 " *corrugatum*, Urq., vol. xix., 72.
 " *pocillator*, Urq., vol. xix., 74.
 " *oblitera*, Urq., vol. xix., 77.
 " *tri-tuberculata*, Urq., vol. xix., 78.
 Male des. in vol. xx., 120.
 " *orientalis*, Urq., vol. xix., 79.
 See note, *l.c.*, 121.
 " *bi-albimacula*, Urq., vol. xix., 81.
 " *saxitalis*, Urq., vol. xix., 82.
 " *subcompta*, Urq., xix., 83.
 " *viridatus*, Urq., vol. xix., 85.
 " *discolora*, Urq., vol. xix., 86.
 " *verutum*, Urq., vol. xix., 87.
 " " var. *vervina*, Urq., vol. xix., 88.
 " " var. *hastatum*, Urq., vol. xix., 89.
 " " var. *lineola*, Urq., vol. xix., 89.
 " *linea-acuta*, Urq., vol. xix., 90.
 " *purpura*, Urq., vol. xix., 91.
 " *viridicans*, Urq., vol. xx., 116.
 " *mulleola*, Urq., vol. xx., 118.
 Male des. in vol. xxi., 14.
 " *helveo-guttata*, Urq., vol. xx., 119.
 " *dumicola*, Urq., vol. xxi., 146.
 " *flavo-maculata*, Urq., vol. xxii., 239.
 " *albo-stricta*, Urq., vol. xxii., 240.
 " *guttatum*, Urq., vol. xxii., 242.
 " *ostri-brunnea*, Urq., vol. xxii., 243.
 " *albi-scutum*, Urq., vol. xxii., 244.
 " *dubitabilis*, Urq., vol. xxii., 246.
 " *tri-notata*, Urq., vol. xxii., 247.
 " " var. *olivina*, Urq., vol. xxii., 249.
 " *atri-apiata*, Urq., vol. xxiii., 156.
 " *acineta*, Urq., vol. xxiii., 158.
 " *nigro-hastula*, Urq., vol. xxiii., 159.
 " *atri-hastula*, Urq., vol. xxiii., 162.
 " *galbana*, Urq., vol. xxiii., 163.
 " *venustula*, Urq., vol. xxiii., 165.
 " *melania*, Urq., vol. xxiii., 166.

- Epeira similaris*, Urq., vol. xxiii., 168.
 " *lævigata*, Urq., vol. xxiii., 171.
 " *invisibilis*, Urq., vol. xxiv., 239.
 " *sublutia*, Urq., vol. xxiv., 241.
 " *leucisca*, Urq., vol. xxiv., 245.
 " *simulata*, Urq., vol. xxiv., 242.
 " *ventriosa*, Urq., vol. xxiv., 243.

Gen. META, C. Koch.

- Meta granulata*, Walk., Hist. Nat., t. xi., p. 222, D.A.A. 136.
 Port Dorey, New Guinea; Port Mackay, Brisbane, and
 Rockhampton; Sydney.

Gen. NEPHILA, Leech.

- Nephila argentatum*, Urq., vol. xix., 92.

Gen. ARACHNURA, Vinson.

- Arachnura longicauda*, Urq., vol. xvii., 34.
 " *nigritia*, Urq., vol. xvii., 37.
 " *obtusa*, Urq., vol. xvii., 37.
 " *trilobata*, Urq., vol. xvii., 37. Tasmania.
 " " var. *a*, Urq., vol. xvii., 39.

Fam. CELÆNIDÆ.

Gen. CELÆNIA, Thor.

- Celænia atkinsonii*, Cambr.
 Thlaosoma atkinsonii, Cambr., Proc. Zool. Soc., 1879, 699.
Celænia hectori, Cambr.
 Thlaosoma hectori, Cambr., Proc. Zool. Soc., 1879, 700.
Celænia olivacea, Urq.
 Male des. in vol. xix., 95.
 Thlaosoma olivacea, Urq., vol. xvii., 39.
Celænia pennum, Urq.
 Thlaosoma pennum, Urq., vol. xix., 94.
Celænia tuberosa, Urq.
 Thlaosoma tuberosa, Urq., vol. xxi., 169.

Fam. EPISINIDÆ.

Gen. EPISINUS, Walck.

- Episinus antipodiarum*, Cambr., Proc. Zool. Soc., 1879, 701.

Tribus LATERIGRADÆ.

Fam. THOMISIDÆ.

Gen. STEPHANOPIS, Cambr.

- Stephanopis angulatus*, Urq.
 Sparassus angulatus, Urq., vol. xvii., 42.
 Male des. in vol. xxii., 260.
Stephanopis angularis, Urq.
 Sparassus angularis, Urq., vol. xvii., 43.

Gen. DIÆA, Thor.

Diæa albo-limbata, L.K., D.A.A., 588.

Fam. PHILODROMIDÆ.

Gen. PHILODROMUS, Walck.

Philodromus ambarus, Urq., vol. xvii., 43.

Male des. in vol. xix., 112.

" *sphæriodes*, Urq., vol. xvii., 44.

Male des. in vol. xix., 111.

" *ovatus*, Urq., vol. xix., 113.

" *rubro-frontus*, Urq., vol. xxiii., 179.

Gen. HEMICLÆA, Thor.

Hemiclæa rogenhoferi, L.K., D.A.A., 637.

" *plantus*, Urq., vol. xviii., 199. Probably identical.

Male des. in vol. xix., 110.

Tribus CITIGRADÆ.

Fam. LYCOSIDÆ.

Gen. LYCOSA, Latr.

Lycosa senica, L.K., D.A.A., 915.

" *hilaris*, L.K., D.A.A., 920.

Female des. *l.c.*, 979.

" *umbrata*, L.K., D.A.A., 921.

" *virgata*, Goyen, vol. xix., 201.

" *canescens*, Goyen, vol. xix., 203.

" *taylori*, Goyen, vol. xix., 206.

" *ærescens*, Goyen, vol. xix., 206.

" *virginosa*, Goyen, vol. xx., 136.

" *bellicosa*, Goyen, vol. xx., 138.

" *proxima*, Urq., vol. xviii., 201.

" *adumbrata*, Urq., vol. xix., 114.

" *arenaria*, Urq., vol. xxiii., 182.

" *maura*, Urq., vol. xxiv., 246.

Gen. PARDOSA, C. Koch.

Pardosa vicaria, L.K., D.A.A., 965.

Gen. ANOTEROPSIS, L.K.

Anoteropsis flavescens, L.K., D.A.A., 971.

Fam. CTENIDÆ.

Gen. CYCLOCTENUS, L.K.

Cycloctenus fugax, Goyen, vol. xxii., 267.

" *lepidus*, Urq., vol. xxii., 261.

" *pulcher*, Urq., vol. xxiii., 188.

Fam. OXYOPIDÆ.

Gen. OXYOPES, Latr.

- Oxyopes gregarius*, Urq.
Sphasus gregarius, Urq., vol. xvii., 51.

Tribus SALTIGRADÆ.

Fam. ATTIDÆ.

Gen. SALTICUS, Latr.

- Salticus appressus*, Powell, vol. v.
 " *atratus*, Powell, vol. v.
 " *V-notatus*, Powell, vol. v.
 " *fumosus*, Powell, vol. v.
 " *mustelinus*, Powell, vol. v.
 " *albo-barbatus*, Powell, vol. v.

Gen. MARPISSA, C. Koch.

- Marpissa leucophæum*, Urq., vol. xx., 121.
 " *arenaria*, Urq., vol. xx., 123.
 " *æri-hirta*, Urq., vol. xx., 124.
 " *cineracea*, Urq., vol. xxiii., 188.
 " *armifera*, Urq., vol. xxiv., 248.
 " *nemorialis*, Urq., vol. xxiv., 250.

Gen. BALLUS, C. Koch.

- Ballus compactus*, Urq.
Salticus compactus, Urq., vol. xvii., 50.

Gen. PLEXIPPUS, C. Koch.

- Plexippus minax*, Powell.
Salticus minax, Powell, vol. 5.
Plexippus herbigradus, Urq., vol. xxi., 150.
 " *capillatus*, Urq., vol. xxii., 265.
 " *silvarus*, Urq., vol. xxiv., 252.

Gen. ATTUS, Walck.

- Attus tabinus*, Urq.
Salticus tabinus, Urq., vol. xvii., 46.
Attus curvus, Urq.
Salticus curvus, Urq., vol. xvii., 46.
Attus furvus, Urq.
Salticus furvus, Urq., vol. xvii., 47.
Attus alpinus, Urq.
Salticus alpinus, Urq., vol. xvii., 48.
Attus albo-palpis, Urq.
Salticus albo-palpis, Urq., vol. xvii., 49.
Attus tenebricus, Urq.
Salticus tenebricus, Urq., vol. xvii., 51.

- Attus auricomus*, Urq., vol. xviii., 202.
 " " var. *hirta*, Urq., vol. xviii., 204.
 " *zanthrofrontalis*, Urq., vol. xviii., 203.
 Male des. in vol. xvii., 45.
 " *saxatilis*, Urq., vol. xviii., 204.
 " *aquilus*, Urq., vol. xix., 115.
 " *bimaculosus*, Urq., vol. xix., 116.
 " *sub-fuscus*, Urq., vol. xix., 117.
 " *pullus*, Urq., vol. xx., 263.
 " *scindus*, Urq., vol. xx., 264.
 " *montinus*, Urq., vol. xxiii., 184.
 " *monticolus*, Urq., vol. xxiii., 186.
 " *valentulus*, Urq., vol. xxiii., 187.

ART. XVI.—*Descriptions of New Species of Araneæ.*

By A. T. URQUHART.

[Read before the Auckland Institute, 2nd November, 1891.]

Fam. DYSDERIDÆ.

Gen. SEGESTRIA, Latr.

Segestria suterii, sp. nov.

Fem.—Ceph.-th., long, 4; broad, 2·2; facial index, 1·8. Abd., long, 4·2; broad, 2·8. Legs, 1, 4, 2, 3=10, 9, 8·5, 7 mm.

Cephalothorax: brownish-ochreous, fore-half suffused with lake-brown; hairs short, erect, black, sparse; clathrate; convex, moderately dilated; lateral compression beyond coxæ of first pair of legs slight; frontal line rounded; *clypeus* inclined somewhat forwards, height exceeds space occupied by fore-central eyes by one-half; contour of profile arched.

Eyes rather small, opalescent; form a recurved row on verge of caput; in three groups, centre pair sensibly the largest, oval; divided by an interval equalling one-half their diameter, posited subobliquely on a fuscous oval spot, which projects a strongish bristle, separated from side-eyes by less than twice their space; laterals broad-oval, subtouching, placed on a low dark tubercle; posterior eye directed somewhat backwards.

Falces brownish-lake; sparsely haired; transversely rugose; conical, directed moderately forwards; stout, about twice as long as broad.

Maxillæ brownish-ochreous, reddish reflections, pale apex separated from the darker hue by a conspicuous oblique line;