

## On a confusion with the type localities of spiders described from the material collected during the Second Yarkand Mission

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### Abstract

Octavius Pickard-Cambridge described 108 new spider species from material collected by Ferdinand Stoliczka on the Second Yarkand Expedition 1873–1874. A brief history of the both the first and second expeditions is given, along with a detail account of the material history. Due to the death of Stoliczka in the field whilst on the return leg of the expedition, much of the data that accompanied the specimens was lost. Despite this, the collection remains an important one, representing some of the earliest material known to western science from the region. Since description, the types have largely gone unrecognised in the collection due to the various difficulties in identifying them. In 2017 a project was started to rectify this. To date, 36 species have been redescribed. Through a combination of specimen study and archival research it has been possible to present a corrected locality list for 78 of the type specimens. Advice for those wishing to study the Yarkand material or historic spider collections of this nature is given.

**Keywords:** Afghanistan • Aranei • China • India • Pakistan • Pickard-Cambridge • Stoliczka • Tajikistan • Yarkand • Xinjiang

### Introduction

Even among zoologists who study the Himalaya-Tibet region, few are aware of the Second Yarkand Mission of 1873–1874. It was during this expedition that the main bulk of the initial zoological material from the region was collected, and many of our first species records for the area stem from then. The first expedition, by contrast, was much smaller, and zoological specimens, most particularly birds but also some plants, were collected mainly out of interest by surgeon and botanist George Henderson (1836–1929). However, it was an important precursor to the second expedition; of the 157 birds that were recorded on the first expedition, seven proved to be new to science and further 16 were fully figured for the first time in the literature (Hender-

son & Hume 1873). Doubtless, these discoveries helped fuel the fervour of the scientific community, who petitioned strongly to have an expert naturalist attached to the second expedition.

The naturalist appointed was Ferdinand Stoliczka (1838–1874) who, despite having a background in paleontology and geology, had broad-ranging interests across the field of natural history, and devoted himself to the study of many extant groups including birds, molluscs, and arachnids (Stoliczka 1869, 1873; Ball 1886). Stoliczka described 17 spider species, eight of which are still valid (Stoliczka 1869; World Spider Catalog 2022). He collected a great many specimens, both zoological and geological in nature. This was the first time such a large and diverse quantity of material had been brought forth from the area for study by western scientists.

Spiders were among first arthropods described based on the Yarkand material; all of them are deposited in the Oxford University Museum of Natural History, UK (hereafter OUMNH). Octavius Pickard-Cambridge (1828–1917, hereafter OPC) described 108 species, reported 23 more and was unable to identify one specimen beyond genus (number 29, “*Teegenaria* sp. An immature female, too much damaged to be recognisable beyond its generic affinity”; see Pickard-Cambridge 1885: 30); altogether 132 species were listed. It is thanks to publications by Prószyński & Żochowska (1981), Deeleman-Reinhold & Deeleman (1988), Ovtsharenko *et al.* (1992), Marusik (1993, 2017), Sierwald (1997), Marusik & Omelko (2018; 2019), Marusik, Omelko & Koponen (2018), Marusik & Nadolny (2018), Marusik, Nadolny & Koponen (2018), Marusik & Zonstein (2019), Marusik, Omelko & Simmons (2020) in which some specimens have been identified and species redescribed, that a small fraction of the species described by OPC are now properly known to arachnologists.

Only three of these publications revised all species listed or described by OPC within particular families, these being Salticidae (Prószyński & Żochowska 1981), Thomisidae (Marusik 1993), and Gnaphosidae (Marusik & Omelko 2019). In total, only around one third of the species described by OPC have yet been redescribed (excluding those species whose types are juveniles).

The reasons for this are numerous and are described in greater detail later in this paper. The main reason, however, is that, although the types do exist, they are lacking both species and geographical labels. Apart from some large handwritten labels saying ‘Yarkand’ in a few of the bottles (Fig. 1), the only labels consistently included with the specimens are for the bottle and vial number. Vials are not sorted according to the families, or by any other identifiable system.

In addition, only 21 of the 108 new species were illustrated in OPC’s publication. Drawings of specimens were undertaken by Tuffen West, noted illustrator and lithographer (Dolan 2021) but, whilst the drawings are excellent quality for their day (Fig. 2), to modern eyes they appear schematic, lacking detail or essential characteristics required for proper identification of species. Descriptions



Fig. 1: A bottle from the OPC Exotic Araneae collection showing the minimal labelling present. The handwritten label in pencil is the original, the labels in vials written in ink have been added at a much later date.

are brief, and do not contain data about number of specimens being studied at the time of writing.

All these things make it hard for taxonomists to match species with specimens (especially if there several species of the same family) and it requires material be studied as a group lot and for researchers to have an appreciation of the difficulties of working with historic materials. Prószyński & Żochowska (1981) revised the types of Salticidae and described the method by which they were able to determine species to specimen matches. They recognized all but two species described by OPC (1885), but also discovered and described two new species from that (type) material. It was in large part thanks to this paper that the types of the Yarkand Expedition started to be studied by modern arachnologists.

Another problem is that exact type localities are largely unknown, though OPC (1885) gave broad geographical regions (see Table 2 below). Currently the World Spider Catalog (2022) lists the majority of the species as being described from China, where the modern-day county of Yarkand (also known as Sache County) makes up part of the Xinjiang Uyghur Autonomous Region, China. However, the expedition traversed a large geographical area and many of the species were described from what was then British India (both modern Pakistan and India), Afghanistan, and Tajikistan.

## Brief history of the expeditions

The First Yarkand Expedition which took place in 1870, was an officially sanctioned British Government expedition to visit the interior of Asia. It was under the command of Thomas Douglas Forsyth (1827–1886) and was described as a friendly visit to establish relationships that might enable to opening of new trade routes into Central Asia via the Chang Chenmo Valley and the (re)negotiations of tax or trade levies (Henderson & Hume 1873). The expedition took around six months in all, leaving Lahore in the middle of May and destined to visit the Atalik Ghazee, Yakub (or Yakooob) Beg, ruler of Yettishar (Kashgaria) from 1865 to 1877 (Britannica 1998).

The main party comprised three westerners: Forsyth, leader of the expedition, Robert Barkley Shaw (1839–1879) explorer and diplomat, and Surgeon (later Surgeon Major) George Henderson (1836–1929), Medical Officer and Superintendent of the Botanic Gardens in Calcutta. The members were accompanied by Mirza Mohamed Shádi (or Shadee) who represented the court of the Atalik Ghazee and had negotiated the visit with the British government (Kaye 1871). Faiz Baksh Moonshee (derivation of Munshi, meaning secretary/clerk or interpreter/language teacher) was employed to act as guide and linguist in support of the British party, having travelled the area before and as “a great adept at travelling is disguise” (Henderson & Hume 1873: 4). Others included Doctor Mohamad Yasseen, Mir Akbar AH Khan Bahadoor (secretary), Tara Singh and two of his brothers (merchant in charge of the toshakhana or company treasury), Mullik Kutubud-din (diplomat), Ibrahim Khan (deputy inspector of police) and eight police constables, Dewan Buksh (writer), Huree Chund (son of Thakoor Tara Chund, the head-man of Lahoul), Kazee Syad Mahamad Yakooob (nephew of the Atalik Ghazee), Khuleel (priest) (Kaye 1871), as well as many unnamed and uncounted native guides, porters and camp attendants.

Shaw was the only British member to have previously visited Yarkand, being one of two competing western businessmen who had made the journey in 1868–1869 (Shaw 1871); the other being his rival and fellow explorer George Hayward (1839–1870).

Whilst the diplomatic element was unsuccessful due to the absence of the Atalik Ghazee from Yarkand, it was enough that a second expedition was invited to attend the court again in 1873. Whilst little provision was made to support a naturalist on this first journey, Henderson undertook to collect plants and birds with the aid of two native collectors. Upon his return, Henderson worked with Allan Octavian Hume (1829–1912) to describe and catalogue the bird fauna, an important link in the history of the specimens and material collected during the Second Yarkand Expedition by Ferdinand Stoliczka. Hume was a vigorous supporter of the second expedition and used his influence to ensure the appointment of a naturalist to the party. As he undoubtedly saw it, it was a great opportunity to collect in a region of which little was known to western science.

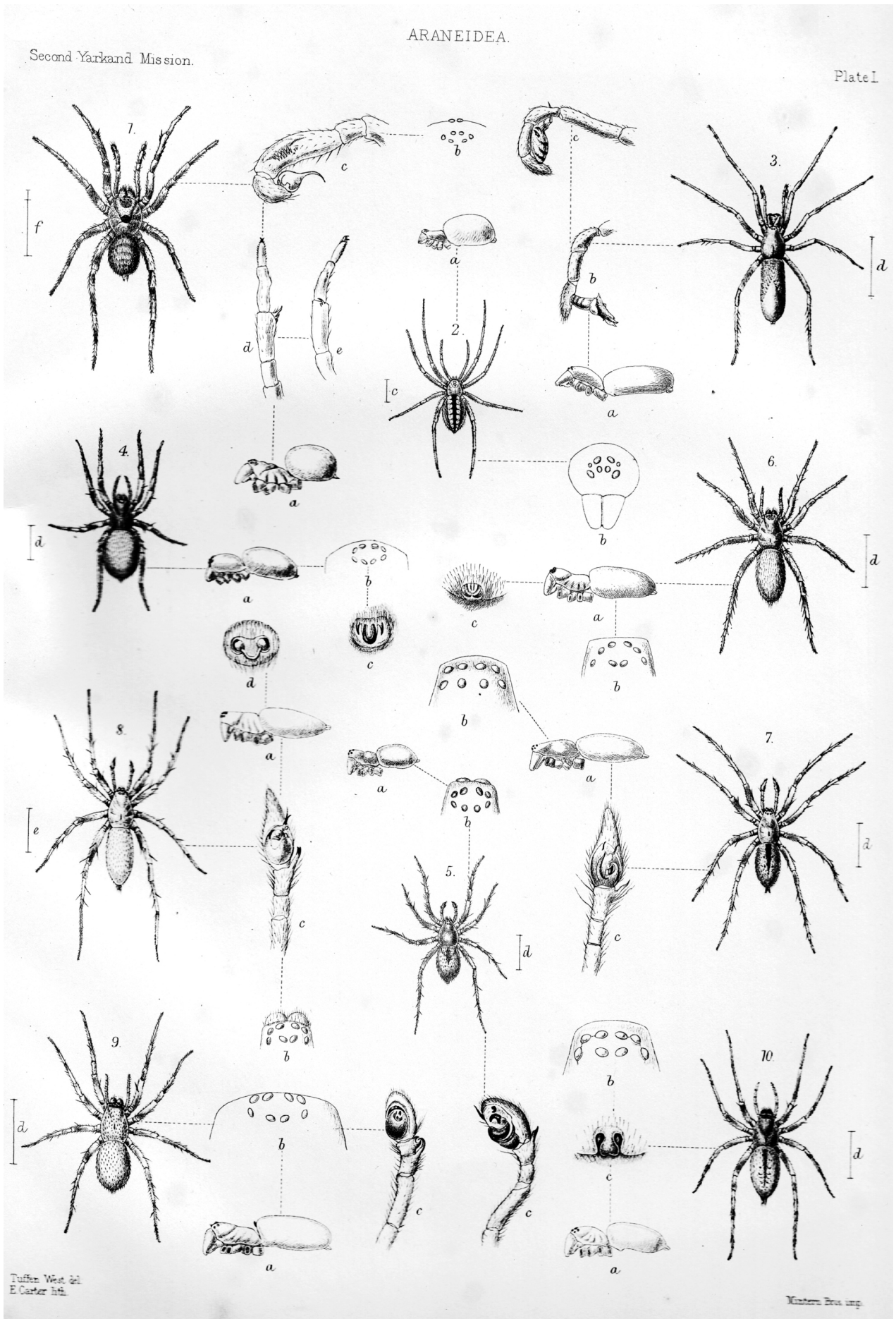


Fig. 2: Plate 1 from O. Picard-Cambridge's 1885 publication showing the quality of the diagnostic illustrations. Drawings are by Tuffen West, lithography by E. Carter, and printing by Mintern Bros. Image from the Biodiversity Heritage Library; contributed by Naturalis Biodiversity Centre (BHL, 2022).



*Heads of Oves Ammon etc shot by  
 Captain Molloy Joint Commissioner of  
 Ladak in 1873*

*No. 20.*

Fig. 3: A previously unrecognised photograph of Ferdinand Stoliczka captured by Chapman (1873). The handwritten notation reads 'Heads of Oves ammon, etc. shot by Captain Molloy Joint Commissioner of Ladak, 1873'.

The Second Yarkand Expedition which was again led by Forsyth in 1873–1874 was declared an official envoy mission to Kashgar to conclude a commercial treaty with the Amir Yakub Beg. Included in the British portion of the party were Lieutenant-Colonel Thomas Edward Gordon (1832–1914), Captain (later Colonel) John Biddulph (1840–1921), Surgeon-Major Dr Henry Walter Bellew (1834–1892), Captain (later Lieutenant-Colonel) Sir Henry Trotter (1841–1919), Captain (later General) Sir Edward Francis Chapman (1840–1926), and Corporal Rhind of the 92nd Gordon Highlanders acted as Camp Sergeant and Clerk as well as on occasion, entertaining the party and visiting dignitaries with bagpipe renditions. Dr Ferdinand Stoliczka was appointed as naturalist and had at least two native collectors in his employ to help with the capture and preservation of specimens, both geological and zoological

in nature. Ibrahim Kahn (now inspector), Tara Sing[h] (treasurer), and Faiz Buksh (Moonshee) who had all participated in the first expedition in 1870 were employed again for the second. Dr Asmat Ali acted as assistant to Dr Bellew and the two of them ran clinics in many of the towns and villages through which the convoy passed, as well as attending to the numerous guides, porters, and camp attendants (Bellew 1875). Ressaïdar (or Risaldar) Mahomed Afzul Khan of the XIth Bengal Lancers (Swoboda 1893) and Jemadar Siffat Khan (in charge of escort) also accompanied the expedition, along with 10 unnamed cavalry men (Sowars), 10 unnamed infantry soldiers (Sepoys) and one unnamed corporal (Naick) (Forsyth 1875).

Volume	Short title	Author	Year published
–	Introductory note	A. O. Hume	1891
1	Memoir of life and work of F. Stoliczka	V. Ball	1886
2	Geology	W. T. Blanford	1878
3	Syringosphaeridae	P. M. Duncan	1879
4	Mammalia	W. T. Blanford & G. E. Dobson	1879
5	Aves	R. B. Sharpe	1891
6	Reptilia and Amphibia	W. T. Blanford	1878
7	Ichthyology	F. Day	1878
8	Araneidea	O. Pickard-Cambridge	1885
9	Hymenoptera	F. Smith	1878
10	Neuroptera	R. McLachlan	1878
11	Rhynchota	W. L. Distant	1879
12	Lepidoptera	F. Moore	1879
13	Coleoptera	H. W. Bates, J. S. Baly, D. Sharp, O. Janson & F. Bates	1890
14	Mollusca	G. Nevill	1878

Table 1: List of volumes produced from material collected on the Second Yarkand Expedition.

### Ferdinand Stoliczka

Dr Ferdinand Stoliczka (Fig. 3) was a Moravian scientist. He studied natural history in Vienna and completed his doctoral studies at the University of Tübingen, Germany, in 1861. He was encouraged to work in geology and palaeontology by Professor Eduard Süess (Ball 1866; Giess 2003) and began his career in the Austrian Geological Society. Very soon afterwards, in 1862, he was recruited by Thomas Oldham, Superintendent of the Geological Survey of India. Stoliczka was the first staff palaeontologist and spent the remaining years of his life based in India (Hruby 2005). Stoliczka undertook a number of collecting trips in surrounding countries such as Burma and Malaysia, and explored the Western Himalayas and Central Asia. He was a prolific author, publishing 79 papers between 1859–1874 (Ball 1866). Stoliczka died on the 19th of June 1874 on the return journey from Yarkand, it is thought from acute mountain sickness (Bellew 1875; Hruby 2005).

In a letter dated June 19th 1874, between expedition party members Trotter and Chapman, Trotter wrote “Apart from the bitter regret that we must all feel at the loss of one who has been our constant companion for so many months, the loss to the scientific world will be very great” (Ball 1866: 29). See Ball (1866) for the most complete account of the life and work of Ferdinand Stoliczka.

### Allan Octavian Hume

It is worth mentioning Hume, albeit briefly, for the influence he had in ensuring a naturalist was appointed to the second Yarkand expedition and for the work that he did to ensure that the specimens and samples collected by Stoliczka were worked up and published. Hume started his career in India first as a magistrate, then judge before holding a series of British government administrative posts. Hume was a close friend and colleague of Stoliczka,

Region code	Area included	OPC note
1	Cashmere, including Murree and the road thence to Cashmere	This comprises the spiders noted in my descriptions as Murree, Murree to Sind valley and Sind valley
2	Ladakh, from the Zojeela Pass to the head of the Pankong Lake	This comprises the spiders noted in my descriptions as Neighbourhood of Leh, and Tantzé to Chagra, and Pankong valley
3	The mountains masses between the head of Pankong Lake and the plains of Yárkand	...comprising only the spiders noted as Yárkand to Bursi, there being no spiders in the collections labelled as having been obtained during the forward journey from the Pankong Lake to the plains of Yárkand
4	The plains of Yárkand	...comprising the spiders noted as Yárkand and neighbourhood and Yárkand. Excepting the three species mentioned as subtropical in my second region, there were not spiders, in this region 4 of Mr Hume, differing in character from the general run of those in his regions 2, 3, and 5
5	The high country west of Yárkand, the hills leading up to the Pamir, the Pamir and Wokhan	This comprises the spiders noted as Káshghar, between Yangihissár and Sirikol, Yangihissár, road across the Pamir from Sirikol to Panjah and back, and hills between Sirikol and Aktalla

Table 2: Yarkand Expedition regions; their definition as stated by Hume and the corresponding site data from the collecting bottles as published by O. Pickard-Cambridge (1885: 2). For individual species records based on these regions, see Appendix 2.

encouraging him in pursuit of his own ornithological interests. Hume’s life and career were devoted in equal parts to birds and to civil reform in British India, where he “was contemptuous of the colonial mindset” of his peers (Collar & Prys-Jones 2012: 19). He was also a prolific author, producing over 200 ornithological publications.

Hume helped to organise for a series of fourteen articles to be published relating to the Second Yarkand Expedition between 1878 and 1891 (Table 1), including a memoir of Stoliczka’s life and work by Valentine Ball (1886), fellow geologist, ornithologist, and employee of the Geological Society of India.

Hume (1891) himself published the forward to the series, which included a detailed map of routes and areas visited by various sub-groups of the main expedition party. No high-quality scan of this map has been found to date, but several paper copies exist in major museum and library holdings and lower quality digital copies can be found, for example, in the holdings of the Biodiversity Heritage Library (BHL 2022).

Specimens from the expedition were divided taxonomically and sent to experts for analysis and publication, including William Thomas Blanford (1832–1905) former colleague of Stoliczka who worked on three of the fourteen parts (Stoliczka 1868), Henry Walter Bates (1825–1892), Frederic Smith (1805–1879) and Francis Day (1829–1889) (see Table 1; Hume 1891).

### Octavius Pickard-Cambridge

It has not yet been possible to establish when OPC took receipt of the Araneae. The volume that he produced was published in 1885 and is a considerable work, so it seems

reasonable to speculate that it was sometime in 1883, if not before. The material was sent with a typed reproduction of Stoliczka's field notebook (as it was to all the authors that produced volumes in the series). Though this reproduction does not exist in the archive at OUMNH, both NHM London and Kew hold copies in their archives. Also missing from the OUMNH archives is any correspondence, notebooks or written materials relating to the Yarkand Expedition. This is worthy of mention as it is a significant and noteworthy gap in what is otherwise a large and mostly complete archive of materials from OPC.

The little information there is regarding the spiders in Stoliczka's notebook is referenced in the brief introduction to the collection that OPC gives and as he stated "Dr Stoliczka's notes on the spiders are very few, and of most general description" (O. Pickard-Cambridge 1885: 2).

Perhaps more importantly for the modern arachnologist is the information that the collection arrived in field condition, in that it was still in the arrangement that Stoliczka had made whilst collecting. This comprised a series of bottles with external labels noting the general locality from which the specimens were obtained. No attempt was made to separate species or materials from specific sites within each bottle so, at best, the attributable data is a date range and general region for the locality (O. Pickard-Cambridge 1885).

The localities that OPC referred to correspond to one of five regions specified by Hume (presumably in correspondence that is now missing) which are reproduced in Table 2.

OPC collated the collection data into two useful but not entirely accurate lists, which can be found at the end of the volume (O. Pickard-Cambridge 1885: 106–114). The first is a systematic list of species, author, and region. The second lists the species by district. Note that OPC himself referred to the areas as both regions and districts interchangeably within the publication but kept the definitions given by Hume throughout.

Appendix 1 gives a corrected list of collection materials under both published and modern names (World Spider Catalog 2022).

Appendix 2 is a complete list of the species (as published by OPC) cross-referencing their sex, locality data, and region in which they are found. For some species, there is only one locality listed and, as such, specific data can now be assigned to these specimens for the first time since they were originally collected should they be identifiable amongst the full set of materials.

Appendix 3 is a complete list of species, cross-referencing the localities given in the World Spider Catalog in 2018 with the revised locality to give the most accurate locations for types of species described by OPC that is possible at this time. Of the 78 for which data has been collated, 45 records have been completely revised, whilst 33 needed only partial revision. It should be noted that other authors have also been working on revising species distributions, which have also been included (Prasad *et al.* 2019).

There are other errors that have crept into the text, which need to be accounted for. In some instances this is due to the

plates being produced by a third party. OPC sent material to Tuffen West to illustrate and the constant exchange of material via post, correction of plates and so on would have inevitably led to mistakes. It is only through taking a holistic view on the material and publication that it has been possible to resolve some of these errors. One of the most tricky yet satisfying to settle was the inversion of figures on Plate II for *Cheiracanthium adjacens* and *C. approximatum* (Marusik, Omelko & Simmons 2020). Other important corrections include the discovery that the female specimen of *Filistata seclusa*, listed by OPC as immature is in fact mature (Marusik & Zonstein 2019) and that in the description for *Monastes dejectus* (= *Tmarus dejectus*), OPC stated that he was describing an adult female (O. Pickard-Cambridge 1885: 70) before later going on to describe the male palp of this species (and not the female genitalia), and only a male belonging to *Tmarus* was found among the Yarkand material (Marusik 1993). Many of these errors are likely due to the difficult nature of producing such a publication in the 19th century. The intricacies of constructing plates, revising text multiple times *via* handwritten letter, as well as things such as limits to the quality of microscopy available and access to literature mean that small errors were inevitable.

## Conclusion

Given the importance of the Yarkand collection to arachnologists and its current inaccessible state, a long-term project was established in 2017 to work through this material. The lack of labels and difficulties in matching specimens to the published descriptions has been highlighted by previous authors, most notably Prószyński & Żochowska (1981), but as work has been undertaken on the collection, a series of recurring difficulties have presented themselves. This is largely due to the historic nature of the collection and lack of documentation, either alongside the specimens, or in the archive. To aid other researchers when working with material of this nature, the most common problems have been listed below.

1. At the time of collection, there were no fixed country boundaries. As evidenced by the various writings of party members (Bellew 1875; Forsyth 1875, 1887; Gordon 1876; Trotter 1875, 1878) boundaries or borders between areas had been in state of flux for some time, most especially in the 10–15 years preceding the expedition. Nor are boundaries delineated on maps from that era making it difficult to state with any accuracy what the country of origin is for specimens.

2. With the Yarkand material this is further complicated by use of regions, which span large areas of land and thus different countries. 'Murree to Sind Valley' for instance, encompasses both Pakistan and India; 'Yarkand-Bursi' China and India and 'Pamir from Sirikol to Panjah and back' equate to Xinjiang (now an autonomous region of China), Afghanistan and Tajikistan.

3. The spellings for place names such as towns and rivers are variable across published sources, even between party members on the expedition.

4. There are many very similar locality names, but it cannot be assumed that they refer to the same place, partly due to the variation in spellings, as outlined above, but also because variations in dialects across the region and the perhaps less than accurate translations of various party members means that the nuance of the language is lost. Identical or similarly spelt words may apply to a number of different geographic features such as creek, river, settlement, mountain, etc.

It should also be noted that some species have not been found among the material, including some Lycosidae and Liocranidae (*Agroeca debilis* and *A. falvens*) specimens. Whether these have been misplaced prior to or after the collection was moved to OUMNH is unknown; it may even be that they remain unrecognised in the collection.

It is hoped that this paper encourages further study of the OPC collection. Whilst complex and on occasion time-consuming, it is one of the best-preserved collections of its era and certainly worthy of time and attention.

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## Appendix 1

Corrected list of collection materials under both published and modern names. Specimen numbers as in O. Pickard-Cambridge (1885). \* indicates a species that has been revised since OPC's 1885 publication.

OPC no.	Published as	Author	Species now	Author
1	<i>Idiops designatus</i>	sp. n.	<i>Idiops designatus</i>	O. Pickard-Cambridge, 1885
2	<i>Filistata seclusa</i>	sp. n.	<i>Pholcoides seclusus</i> *	(O. Pickard-Cambridge, 1885)
3	<i>Dysdera cylindrica</i>	sp. n.	<i>Dysdera cylindrica</i> *	O. Pickard-Cambridge, 1885
4	<i>Drassus troglodytes</i>	C.L. Koch, 1839	<i>Haplodrassus signifer</i>	(C. L. Koch, 1839)
5	<i>Drassus infletus</i>	sp. n.	<i>Drassodes infletus</i> *	(O. Pickard-Cambridge, 1885)
6	<i>Drassus interemptor</i>	sp. n.	<i>Echemus interemptor</i> *	(O. Pickard-Cambridge, 1885)
7	<i>Drassus invisus</i>	sp. n.	<i>Drassodes invisus</i> *	(O. Pickard-Cambridge, 1885)
8	<i>Drassus interpolator</i>	sp. n.	<i>Drassodes interpolator</i> *	(O. Pickard-Cambridge, 1885)
9	<i>Drassus dispulsus</i>	sp. n.	<i>Drassodes dispulsus</i> *	(O. Pickard-Cambridge, 1885)
10	<i>Drassus interlisus</i>	sp. n.	<i>Coreodrassus interlisus</i> *	(O. Pickard-Cambridge, 1885)
11	<i>Drassus involutus</i>	sp. n.	<i>Drassodes involutus</i>	(O. Pickard-Cambridge, 1885)
12	<i>Drassus lapsus</i>	sp. n.	<i>Drassodes invisus</i>	(O. Pickard-Cambridge, 1885)
13	<i>Gnaphosa stoliczkae</i>	sp. n.	<i>Gnaphosa stoliczkae</i> *	O. Pickard-Cambridge, 1885
14	<i>Gnaphosa plumalis</i>	O. Pickard-Cambridge, 1872	<i>Berlandina plumalis</i>	(O. Pickard-Cambridge, 1872)
15	<i>Gnaphosa moerens</i>	sp. n.	<i>Gnaphosa moerens</i> *	O. Pickard-Cambridge, 1885
16	<i>Prosthesima cingara</i>	O. Pickard-Cambridge, 1874	<i>Zelotes cingarus</i>	(O. Pickard-Cambridge, 1874)
17	<i>Micaria connexa</i>	sp. n.	<i>Micaria lenzi</i> *	Bösenberg, 1899
18	<i>Micaria pallida</i>	sp. n.	<i>Micaria lenzi</i>	Bösenberg, 1899
19	<i>Clubiona deletrix</i>	sp. n.	<i>Clubiona deletrix</i>	O. Pickard-Cambridge, 1885
20	<i>Clubiona laticeps</i>	sp. n.	<i>Clubiona laticeps</i> *	O. Pickard-Cambridge, 1885
21	<i>Clubiona laudata</i>	sp. n.	<i>Porrhoclubiona laudata</i>	(O. Pickard-Cambridge, 1885)
22	<i>Cheiracanthium adjacens</i>	sp. n.	<i>Cheiracanthium adjacens</i> *	O. Pickard-Cambridge, 1885
23	<i>Cheiracanthium approximatum</i>	sp. n.	<i>Cheiracanthium approximatum</i> *	O. Pickard-Cambridge, 1885
24	<i>Agroeca debilis</i>	sp. n.	<i>Agroeca debilis</i>	O. Pickard-Cambridge, 1885
25	<i>Agroeca flavens</i>	sp. n.	<i>Agroeca flavens</i>	O. Pickard-Cambridge, 1885
26	<i>Trachelas costata</i>	sp. n.	<i>Trachelas costatus</i> *	O. Pickard-Cambridge, 1885
27	<i>Dictyna albida</i>	sp. n.	<i>Nigma albida</i>	(O. Pickard-Cambridge, 1885)
28	<i>Argyroneta aquatica</i>	(Clerck, 1757)	<i>Argyroneta aquatica</i>	(Clerck, 1757)
29	<i>Tegenaria ?</i>	n/a	n/a	n/a
30	<i>Coelotes tegenarioides</i>	sp. n.	<i>Coelotes tegenarioides</i>	O. Pickard-Cambridge, 1885
31	<i>Coelotes simplex</i>	sp. n.	<i>Coelotes simplex</i>	O. Pickard-Cambridge, 1885
32	<i>Episinus algiricus</i>	Lucas, 1846	<i>Episinus algiricus</i>	Lucas, 1846
33	<i>Theridion riparium</i>	Blackwall, 1834	<i>Cryptachaea riparia</i>	(Blackwall, 1834)
34	<i>Theridion lepidum</i>	sp. n.	<i>Phylloneta sisyphia torandae</i>	(Strand, 1917)
35	<i>Theridion subitum</i>	sp. n.	<i>Theridion subitum</i>	O. Pickard-Cambridge, 1885
36	<i>Theridion confusum</i>	sp. n.	<i>Theridion confusum</i>	O. Pickard-Cambridge, 1885
37	<i>Theridion expallidatum</i>	sp. n.	<i>Theridion expallidatum</i>	O. Pickard-Cambridge, 1885
38	<i>Theridion tuberculatum</i>	Kroneberg, 1875	<i>Heterotheridion nigrovariegatum</i>	(Simon, 1873)
39	<i>Theridion incertum</i>	sp. n.	<i>Theridion incertum</i>	O. Pickard-Cambridge, 1885
40	<i>Steatoda nigrocincta</i>	sp. n.	<i>Steatoda nigrocincta</i>	O. Pickard-Cambridge, 1885
41	<i>Steatoda sordidata</i>	sp. n.	<i>Steatoda sordidata</i>	O. Pickard-Cambridge, 1885
42	<i>Drepanodus mandibularis</i>	(Lucas, 1846)	<i>Enoplognatha mandibularis</i>	(Lucas, 1846)
43	<i>Phycus sagittatus</i>	sp. n.	<i>Euryopsis sagittata</i>	(O. Pickard-Cambridge, 1885)
44	<i>Erigone atra</i>	Blackwall, 1833	<i>Erigone atra</i>	Blackwall, 1833
45	<i>Erigone dentipalpis</i>	(Wider, 1834)	<i>Erigone dentipalpis</i>	(Wider, 1834)
46	<i>Pachygnatha clerckii</i>	Sundevall, 1823	<i>Pachygnatha clercki</i>	Sundevall, 1823
47	<i>Linyphia consanguinea</i>	sp. n.	<i>Linyphia consanguinea</i>	O. Pickard-Cambridge, 1885
48	<i>Linyphia albipunctata</i>	sp. n.	<i>Linyphia albipunctata</i>	O. Pickard-Cambridge, 1885
49	<i>Linyphia straminea</i>	sp. n.	<i>Lepthyphantes stramineus</i>	(O. Pickard-Cambridge, 1885)
50	<i>Linyphia perampla</i>	sp. n.	<i>Lepthyphantes peramplus</i>	(O. Pickard-Cambridge, 1885)
51	<i>Linyphia pusilla</i>	Sundevall, 1830	<i>Microlinyphia pusilla</i>	(Sundevall, 1830)
52	<i>Meta mixta</i>	sp. n.	<i>Meta mixta</i>	O. Pickard-Cambridge, 1885
53	<i>Tetragnatha extensa</i>	Linnaeus, 1758	<i>Tetragnatha extensa</i>	(Linnaeus, 1758)
54	<i>Epeira tartarica</i>	Kroneberg, 1875	<i>Araneus tartaricus</i>	(Kroneberg, 1875)



OPC no.	Published as	Author	Species now	Author
55	<i>Epeira bigibbosa</i>	sp. n.	<i>Araneus bigibbosus</i>	(O. Pickard-Cambridge, 1885)
56	<i>Epeira pella</i>	sp. n.	<i>Araneus pella</i>	(O. Pickard-Cambridge, 1885)
57	<i>Epeira gorda</i>	sp. n.	<i>Araneus gurdus</i>	(O. Pickard-Cambridge, 1885)
58	<i>Epeira haruspex</i>	sp. n.	<i>Araneus haruspex</i>	(O. Pickard-Cambridge, 1885)
59	<i>Epeira paenulata</i>	sp. n.	<i>Araneus paenulatus</i>	(O. Pickard-Cambridge, 1885)
60	<i>Epeira praedata</i>	sp. n.	<i>Araneus praedatus</i>	(O. Pickard-Cambridge, 1885)
61	<i>Epeira cucurbitina</i>	Clerck, 1757	<i>Araniella cucurbitina</i>	(Clerck, 1757)
62	<i>Epeira cornuta</i>	(Clerck, 1757)	<i>Larinioides cornutus</i>	(Clerck, 1757)
63	<i>Epeira panniferens</i>	sp. n.	<i>Araneus panniferens</i>	(O. Pickard-Cambridge, 1885)
64	<i>Epeira carnifex</i>	sp. n.	<i>Araneus carnifex</i>	(O. Pickard-Cambridge, 1885)
65	<i>Epeira gibbera</i>	sp. n.	<i>Araneus gibber</i>	(O. Pickard-Cambridge, 1885)
66	<i>Chorizoopes stoliczkae</i>	sp. n.	<i>Chorizopes stoliczkae</i>	O. Pickard-Cambridge, 1885
67	<i>Chorizoopes congener</i>	sp. n.	<i>Chorizopes congener</i>	O. Pickard-Cambridge, 1885
68	<i>Cyrtarachne pallida</i>	sp. n.	<i>Cyrtarachne pallida</i>	O. Pickard-Cambridge, 1885
69	<i>Uloborus albescens</i>	sp. n.	<i>Uloborus albescens</i>	O. Pickard-Cambridge, 1885
70	<i>Thomisus albidus</i>	sp. n.	<i>Thomisus albidus</i>	O. Pickard-Cambridge, 1885
71	<i>Thomisus albens</i>	sp. n.	<i>Thomisus albens</i>	O. Pickard-Cambridge, 1885
72	<i>Misumena expallidata</i>	sp. n.	<i>Ebrechtella sufflava*</i>	(O. Pickard-Cambridge, 1885)
73	<i>Misumena oblonga</i>	sp. n.	<i>Misumena oblonga*</i>	O. Pickard-Cambridge, 1885
74	<i>Synema exculta</i>	sp. n.	<i>Lysiteles excultus*</i>	(O. Pickard-Cambridge, 1885)
75	<i>Diaea spinulosa</i>	sp. n.	<i>Runcinia spinulosa*</i>	(O. Pickard-Cambridge, 1885)
76	<i>Diaea subdola</i>	sp. n.	<i>Diaea subdola*</i>	O. Pickard-Cambridge, 1885
77	<i>Diaea sufflava</i>	sp. n.	<i>Ebrechtella sufflava*</i>	(O. Pickard-Cambridge, 1885)
78	<i>Diaea suspiciosa</i>	sp. n.	<i>Diaea suspiciosa*</i>	O. Pickard-Cambridge, 1885
79	<i>Diaea subargentata</i>	sp. n.	<i>Ebrechtella concinna*</i>	(Thorell, 1877)
80	<i>Xysticus cristatus</i>	(Clerck, 1757)	<i>Xysticus cristatus</i>	(Clerck, 1757)
81	<i>Xysticus pini</i>	(Hahn, 1831)	<i>Xysticus audax</i>	(Schrank, 1803)
82	<i>Xysticus maculosus</i>	sp. n.	<i>Xysticus maculiger</i>	Roewer, 1951
83	<i>Xysticus setiger</i>	sp. n.	<i>Psammitis setiger*</i>	(O. Pickard-Cambridge, 1885)
84	<i>Xysticus breviceps</i>	sp. n.	<i>Xysticus breviceps*</i>	O. Pickard-Cambridge, 1885
85	<i>Xysticus mundulus</i>	sp. n.	<i>Xysticus mundulus</i>	O. Pickard-Cambridge, 1885
86	<i>Monastes dejectus</i>	sp. n.	<i>Tmarus dejectus*</i>	(O. Pickard-Cambridge, 1885)
87	<i>Sarotes regius</i>	(Fabricius, 1793)	<i>Heteropoda venatoria</i>	(Linnaeus, 1767)
88	<i>Sarotes promptus</i>	sp. n.	<i>Pseudopoda prompta*</i>	(O. Pickard-Cambridge, 1885)
89	<i>Sparassus timidus</i>	sp. n.	<i>Olios timidus</i>	(O. Pickard-Cambridge, 1885)
90	<i>Sparassus fugax</i>	sp. n.	<i>Olios fugax</i>	(O. Pickard-Cambridge, 1885)
91	<i>Sparassus flavidus</i>	sp. n.	<i>Eusparassus flavidus*</i>	(O. Pickard-Cambridge, 1885)
92	<i>Philodromus cinerascens</i>	sp. n.	<i>Rhysodromus cinerascens</i>	(O. Pickard-Cambridge, 1885)
93	<i>Philodromus medius</i>	O. Pickard-Cambridge, 1872	<i>Pulchellodromus medius</i>	(O. Pickard-Cambridge, 1872)
94	<i>Tibellus propinquus</i>	sp. n.	<i>Tibellus propositus</i>	Roewer, 1951
95	<i>Thanatus thorellii</i>	O. Pickard-Cambridge, 1872	<i>Thanatus vulgaris</i>	Simon, 1870
96	<i>Thanatus albescens</i>	sp. n.	<i>Thanatus albescens</i>	O. Pickard-Cambridge, 1885
97	<i>Stoliczka insignis</i>	sp. n.	<i>Stoliczka insignis*</i>	O. Pickard-Cambridge, 1885
98	<i>Ocyale rectifasciata</i>	sp. n.	<i>Nomina dubia</i>	-
99	<i>Ocyale dentifasciata</i>	sp. n.	<i>Perenethis dentifasciata*</i>	(O. Pickard-Cambridge, 1885)
100	<i>Trochosa rubiginea</i>	sp. n.	<i>Schizocosa rubiginea</i>	(O. Pickard-Cambridge, 1885)
101	<i>Trochosa hebes</i>	sp. n.	<i>Schizocosa hebes</i>	(O. Pickard-Cambridge, 1885)
102	<i>Trochosa propinqua</i>	sp. n.	<i>Trochosa propinqua</i>	O. Pickard-Cambridge, 1885
103	<i>Trochosa adjacens</i>	sp. n.	<i>Trochosa adjacens</i>	O. Pickard-Cambridge, 1885
104	<i>Trochosa sabulosa</i>	sp. n.	<i>Lycosa sabulosa</i>	(O. Pickard-Cambridge, 1885)
105	<i>Trochosa approximata</i>	sp. n.	<i>Lycosa approximata</i>	(O. Pickard-Cambridge, 1885)
106	<i>Trochosa rubromandibulata</i>	sp. n.	<i>Hogna rubromandibulata</i>	(O. Pickard-Cambridge, 1885)
107	<i>Trochosa lugubris</i>	sp. n.	<i>Trochosa lugubris</i>	O. Pickard-Cambridge, 1885
108	<i>Tarentula irascibilis</i>	sp. n.	<i>Hogna irascibilis</i>	(O. Pickard-Cambridge, 1885)
109	<i>Tarentula inimica</i>	sp. n.	<i>Alopecosa inimica</i>	(O. Pickard-Cambridge, 1885)
110	<i>Lycosa condolens</i>	sp. n.	<i>Pardosa condolens</i>	(O. Pickard-Cambridge, 1885)
111	<i>Lycosa fortunata</i>	sp. n.	<i>Pardosa fortunata</i>	(O. Pickard-Cambridge, 1885)
112	<i>Lycosa stellata</i>	sp. n.	<i>Pardosa stellata</i>	(O. Pickard-Cambridge, 1885)
113	<i>Lycosa credula</i>	sp. n.	<i>Pardosa credula</i>	(O. Pickard-Cambridge, 1885)
114	<i>Lycosa vindex</i>	sp. n.	<i>Pardosa vindex</i>	(O. Pickard-Cambridge, 1885)
115	<i>Lycosa vindicata</i>	sp. n.	<i>Pardosa vindicata</i>	(O. Pickard-Cambridge, 1885)
116	<i>Lycosa passibilis</i>	sp. n.	<i>Alopecosa passibilis*</i>	(O. Pickard-Cambridge, 1885)
117	<i>Lycosa flavida</i>	sp. n.	<i>Pardosa flavida</i>	(O. Pickard-Cambridge, 1885)
118	<i>Boebe benevola</i>	sp. n.	<i>Evippa benevola</i>	(O. Pickard-Cambridge, 1885)
119	<i>Oxyopes jubilans</i>	sp. n.	<i>Oxyopes jubilans</i>	O. Pickard-Cambridge, 1885
120	<i>Oxyopes praedicta</i>	sp. n.	<i>Oxyopes praedictus</i>	O. Pickard-Cambridge, 1885
121	<i>Oxyopes rejecta</i>	sp. n.	<i>Oxyopes rejectus</i>	O. Pickard-Cambridge, 1885
122	<i>Heliophanus dubius</i>	Simon, 1876	<i>Heliophanus dubius</i>	C. L. Koch, 1835
123	<i>Plexippus adansonii</i>	[Audouin in] Savigny, 1826	<i>Hasarius adansonii</i>	(Audouin, 1826)
124	<i>Menemerus cinctus</i>	sp. n.	<i>Rudakius cinctus*</i>	(O. Pickard-Cambridge, 1885)
125	<i>Menemerus incertus</i>	sp. n.	<i>Rudakius cinctus</i>	(O. Pickard-Cambridge, 1885)
126	<i>Menemerus deletus</i>	sp. n.	<i>Nandicius deletus*</i>	(O. Pickard-Cambridge, 1885)
127	<i>Menemerus frigidus</i>	sp. n.	<i>Nandicius frigidus*</i>	(O. Pickard-Cambridge, 1885)
128	<i>Attus devotus</i>	sp. n.	<i>Salticus devotus</i>	(O. Pickard-Cambridge, 1885)
129	<i>Attus beneficus</i>	sp. n.	<i>Salticus beneficus</i>	(O. Pickard-Cambridge, 1885)
130	<i>Attus diductus</i>	sp. n.	<i>Attulus diductus</i>	(O. Pickard-Cambridge, 1885)

OPC no.	Published as	Author	Species now	Author
131	<i>Attus auspex</i>	sp. n.	<i>Marusyllus auspex</i> *	(O. Pickard-Cambridge, 1885)
132	<i>Attus avocator</i>	sp. n.	<i>Attulus avocator</i> *	(O. Pickard-Cambridge, 1885)
~	<i>Theridion saxatile</i>	C. L. Koch, 1835	<i>Cryptachaea riparia</i>	(Blackwall, 1834)
~	<i>Xysticus audax</i>	C. L. Koch, 1835	<i>Xysticus audax</i>	(Schrank, 1803)

## Appendix 2

Complete list of the species cross-referencing their sex, locality data and region in which they are found. Specimen numbers as in O. Pickard-Cambridge (1885). The definitions for the region codes can be found in Table 2 in the main text (p. 170). \* indicates a species that has been revised since OPC's 1885 publication.

OPC no.	Published as	Published sex	Locality data	Region					Notes
				1	2	3	4	5	
1	<i>Idiops designatus</i>	♂	Murree, between June 11th and July 14th, 1873	×					
2	<i>Filistata seclusa</i> *	imm. ♀	Leh, August or September 1873; Pankong-valley, September 15th to 21st, 1873	×					Spelt as <i>reclusa</i> in both lists (error in text). See Marusik & Zonstein 2019 for details on specimens sex
3	<i>Dysdera cylindrica</i> *	♀ & ♂	Murree, between June 11th and July 14th, 1873	×					
4	<i>Drassus troglodytes</i>	not stated	Yárkand to Bursi, May 28th to June 17th, 1874; between Sirikol and Aktallah, May 8th to 13th, 1874; Tantzze to Chagna and Pankong valley, September 15th to 21st, 1873; Yárkand and neighbourhood, November 1873	×	×	×	×		Likely synonymous with <i>Haplodrassus signifer</i> (C.L. Koch, 1839)
5	<i>Drassus infletus</i> *	♀	Between Yangihissár and Sirikol, March 1874					×	
6	<i>Drassus interemptor</i> *	♂	Neighbourhood of Leh, August or September 1873					×	Published as <i>interemptor</i> but listed as <i>interruptor</i> in List 1
7	<i>Drassus invisus</i> *	♀	Between Sirikol and Aktalla, between May 8th and 31st, 1874					×	
8	<i>Drassus interpolator</i> *	♂	Hills between Sirikol and Aktalla, between May 8th and 13th, 1874, and on the road across the Pamir from Sirikol to Panjoa and back between April 22nd and May 7th, 1874					×	
9	<i>Drassus dispulsus</i> *	♂	Káshghar, December 1873; Tantzze to Chagna and Pankong valley, between September 15th and 21st, 1873. Between Yangihissár and Sirikol, March 1874; near Leh, August and September 1873. Yangihissár, April 1874. Yárkand and neighbourhood, November 1873. Road from Yárkand to Bursi, May 28th to June 17th, 1874; and road across the Pamir from Sirikol to Panja and back April 22nd to May 7th, 1874. Hills between Sirikol and Aktalla, May 8th to 13th, 1874; and the Sind Valley, August 5th to 13th, 1873	×	×	×	×	×	
10	<i>Drassus interlisus</i> *	♀ & ♂	Káshghar, December 1873; Yárkand, 21st to 27th May 1874; between Yangihissár and Sirikol, March 1874; neighbourhood of Leh, August or September 1873; Yárkand to Bursi, between May 28th and June 17th, 1874	×	×	×	×		
11	<i>Drassus involutus</i>	♀	Sind Valley, August 5th to 13th, 1873					×	
12	<i>Drassus lapsus</i>	imm. ♀	Yangihissár, April 1874						×
13	<i>Gnaphosa stoliczkae</i> *	♂ & ♀	Between Yangihissár and Sirikol, March 1874; from Yárkand to Bursi, May 28th to June 17th, 1874; also at Yangihissár, April 1874; and Káshghar, December 1873			×	×		
14	<i>Gnaphosa plumalis</i>	imm. ♀	Yárkand to Bursi, May 28th to June 17th, 1874			×	×		
15	<i>Gnaphosa moerens</i> *	♀ & ♂	Hills between Sirikol and Aktalla, May 8th to 13th, 1874; between Yangihissár and Sirikol, March 1874; and from Yárkand to Bursi, May 28th to June 17th, 1874					×	
16	<i>Prothesima cingara</i>	♂ & ♀	Yárkand, May 21st to 27th, 1874; hills between Sirikol and Aktalla, May 8th to 13th, 1874; and route across the Pamir from Sirikol to Panja and back, April 22nd to May 7th, 1874					×	×
17	<i>Micaria connexa</i> *	♂ & ♀	Hills between Sirikol and Aktalla, May 8th to 13th, 1874						×
18	<i>Micaria pallida</i>	imm. ♂	Found on the route across the Pamir from Sirikol to Panja and back, April 22nd to May 7th, 1874						×
19	<i>Clubiona deletrix</i> *	♂ & ♀	Murree to Sind valley, July 14th to August 5th, 1873			×			
20	<i>Clubiona laticeps</i>	♀	Murree, June 11th to July 14th, 1874			×			
21	<i>Clubiona laudata</i>	♂ & ♀	Road from Yárkand to Bursi, May 28th to June 17th, 1874					×	
22	<i>Cheiracanthium adjacens</i> *	♂ & ♀	Murree, June 11th to July 14th, 1873					×	
23	<i>Cheiracanthium approximatum</i> *	♀	Murree to Sind valley, July 14th to August 5th, 1873					×	
24	<i>Agroeca debilis</i>	♀	Káshghar, December 1873						×
25	<i>Agroeca flavens</i>	♀	Yárkand, May 21st to 27th, 1874					×	
26	<i>Trachelas costata</i> *	♀	Murree, June 11th to July 14th; and near Leh, August and September, 1873			×	×		
27	<i>Dictyna albida</i>	♀	Between Yangihissár and Sirikol						×
28	<i>Argyroneta aquatica</i>	not stated	Yárkand and neighbourhood, November 1873						×
29	<i>Tegenaria</i> ?	imm. ♀	Yárkand to Bursi, May 28th to June 17th, 1874					×	Identified only to genus in text

OPC no.	Published as	Published sex	Locality data	Region					Notes
				1	2	3	4	5	
30	<i>Coelotes tegenarioides</i>	imm. ♂	Murree, June 11th to July 14th, 1874	×					
31	<i>Coelotes simplex</i>	♀	Murree, June 11th to July 14th, 1874	×					
32	<i>Episimus algiricus</i>	not stated	Murree, June 11th to July 14th, 1877 [year must be a typo]	×					
33	<i>Theridion riparium</i>	♀	Murree, June 11th to July 14th, 1873	×					
34	<i>Theridion lepidum</i>	♀ & ♂	Sind Valley, August 5th to 13th, 1874	×					
35	<i>Theridion subitum</i>	♀	Murree, June 11th to July 14th, 1874	×					
36	<i>Theridion confusum</i>	♀	Murree, June 11th to July 14th, 1874	×					
37	<i>Theridion expallidatum</i>	♀ & ♂	Murree to Sind Valley, July 14th to August 5th, 1873	×					
38	<i>Theridion tuberculatum</i>	not stated	Murree, June 11th to July 14th, 1873	×					
39	<i>Theridion incertum</i>	♂	Murree, June 11th to July 14th, 1873	×					
40	<i>Steatoda nigrocincta</i>	♀ & ♂	Murree, June 11th to July 14th, 1873; and route from Yarkand to Bursi, May 28th to June 17th, 1874	×	×				
41	<i>Steatoda sordidata</i>	♀	Hills between Sirikol and Aktalla, May 8th to 13th, 1874				×		
42	<i>Drepanodus mandibularis</i>	♀	Yarkand to Bursi, May 28th to June 17th, 1874		×				In main body of text under <i>Drepanodus mandibularis</i> . In List 1 as <i>Steatoda manibularis</i> and does not appear in List 2
43	<i>Phycus sagittatus</i>	♀	Murree to Sind Valley, July 14th to August 5th, 1873	×					
44	<i>Erigone atra</i>	♂	Yarkand to Bursi, May 28th to June 17th, 1874		×				
45	<i>Erigone dentipalpis</i>	not stated	Sind Valley, August 5th to 13th, 1873	×					
46	<i>Pachygnatha clerckii</i>	♂	Kashghar, December 1873				×		
47	<i>Linyphia consanguinea</i>	♂	Murree, June 11th to July 14th, and Murree to Sind Valley, July 14th to August 5th, 1873	×					
48	<i>Linyphia albipunctata</i>	♀	Murree, June 11th to July 14th, 1873	×					Published as <i>albipunctata</i> in main body of text (p. 41) but listed as <i>albopunctata</i> in both lists at rear of text
49	<i>Linyphia straminea</i>	♀	Murree, June 11th to July 14th, 1873	×					
50	<i>Linyphia perampla</i>	♀	Sind Valley, August 5th to 13th, 1873	×					Not included in List 2 (error in publication)
51	<i>Linyphia pusilla</i>	♀	Yarkand, May 21st to 27th 1874, and on the route thence to Bursi, May 28th to June 17th, 1874		×	×			
52	<i>Meta mixta</i>	♀	Murree, June 11th to July 14th, 1877 [year must be a typo]	×					
53	<i>Tetragnatha extensa</i>	not stated	Kashghar, December 1873; Sind Valley, August 5th to 13th, 1873; Yarkand, May 21st to 27th, 1874; and route from Yarkand to Bursi, May 28th to June 17th, 1874			×			
54	<i>Epeira tartarica</i>	♀ & imm. ♀	Neighbourhood of Leh, August and September 1873		×				
55	<i>Epeira bigibbosa</i>	imm. ♀	Murree, June 11th to July 14th, 1873	×					
56	<i>Epeira pella</i>	♀	Murree to Sind Valley, July 14th to August 5th, 1873	×					
57	<i>Epeira gurda</i>	imm. ♂	Murree, June 11th to July 14th, 1873	×					
58	<i>Epeira haruspex</i>	& ♀	Yarkand, May 21st to 27th, 1874				×		
59	<i>Epeira paenulata</i>	♀	Murree, June 11th to July 14th, 1873	×					Not included in List 2 (error in publication)
60	<i>Epeira praedata</i>	♂	Murree to Sind Valley, July 14th to August 5th, 1873	×					
61	<i>Epeira cucurbitina</i>	imm.	Sind Valley, August 5th to 13th, 1873	×					
62	<i>Epeira cornuta</i>	imm.	Yarkand and neighbourhood in November 1873, and en route from Yarkand to Bursi between May 28th and June 17th, 1874	×	×				Recorded in list 1 as being in region 1 but not in Region 1 in List 2. Main body text indicates regions 3&4 only
63	<i>Epeira panniferens</i>	♀	Murree to Sind Valley, July 14th to August 5th, 1873	×					The name <i>Epeira punctata</i> seems to have been included in list 2 in error
64	<i>Epeira carnifex</i>	♀	Murree, June 11th to July 24th, 1873	×					
65	<i>Epeira gibbera</i>	♀	Murree to Sind Valley, July 14th to August 5th, 1873	×					
66	<i>Chorizoopes stoliczkae</i>	♀	Murree to Sind Valley, July 14th to August 5th, 1873	×					
67	<i>Chorizoopes congener</i>	♀	Murree to Sind Valley, July 14th to August 5th, 1877 [year must be a typo]	×					
68	<i>Cyrtarachne pallida</i>	imm. ♀	Murree to Sind Valley, July 14th to August 5th, 1873	×					
69	<i>Uloborus albescens</i>	♀	Murree to Sind Valley, between July 4th and August 5th, 1873	×					
70	<i>Thomisus albidus</i>	imm. ♀	On the road from Yarkand to Bursi, between May 28th and June 17th, 1874				×		
71	<i>Thomisus albens</i>	imm. ♀	On the road from Yarkand to Bursi, between May 28th and June 17th, 1874				×		
72	<i>Misumena expallidata*</i>	♀	Murree, between June 11th to July 14th, 1873	×					
73	<i>Misumena oblonga*</i>	♀	Murree to Sind Valley, between July 14th to August 5th, 1873	×					
74	<i>Synema exculta*</i>	♀	Murree, between June 11th to July 14th, 1873	×					
75	<i>Diaea spinulosa*</i>	♂	Murree, between June 11th to July 14th, 1873	×					
76	<i>Diaea subdola*</i>	♂	Murree, between June 11th to July 14th, 1873	×					
77	<i>Diaea sufflava*</i>	♂	Murree, between June 11th to July 14th, 1873	×					

OPC no.	Published as	Published sex	Locality data	Region					Notes
				1	2	3	4	5	
77	<i>Diaea sufflava</i> *	♂	Murree, between June 11th to July 14th, 1873	×					
78	<i>Diaea suspiciosa</i> *	♂	Route from Yárkand to Bursi, between May 28th and June 17th, 1874		×				
79	<i>Diaea subargentata</i> *	♂ & ♀	Murree, between June 11th to July 14th, 1873	×					
80	<i>Xysticus cristatus</i>	not stated	Road across the Pamir from Sirikol to Panja and back, April 22nd to May 7th, 1874 and Yárkand and neighbourhood, November 1873				×		List 1 author is Clerck, List 2 author is C. L. Koch
81	<i>Xysticus pini</i>	imm.	Sind Valley, August 5th to 13th, 1873, and Hills between Sirikol and Aktalla, May 8th to 13th, 1874	×			×		This species not included in either list, only in main body of text
82	<i>Xysticus maculosus</i>	♀	Murree, between June 11th and July 14th, 1873	×					
83	<i>Xysticus setiger</i> *	♀	Murree, between June 11th and July 14th, 1873	×					
84	<i>Xysticus breviceps</i> *	♀	Yárkand to Bursi, between May 28th and June 17th, 1874			×			
85	<i>Xysticus mundulus</i>	imm. ♂	Sind Valley, between August 5th and 13th, 1873	×					
86	<i>Monastes dejectus</i> *	♀	Murree to Sind Valley, between July 14th to August 5th, 1873	×					
87	<i>Sarotes regius</i>	imm. ♀	Murree, between June 11th to July 14th, 1873	×					
88	<i>Sarotes promptus</i> *	♀	Murree, between June 11th to July 14th, 1873	×					
89	<i>Sparassus timidus</i>	imm. ♀	Neighbourhood of Leh, August or September 1873			×			
90	<i>Sparassus fugax</i>	imm. ♀	Murree to Sind Valley, July 14th and August 5th, 1873	×					
91	<i>Sparassus flavidus</i> *	♀	Yárkand, between May 21st and 27th, 1874				×		
92	<i>Philodromus cinerascens</i>	♂ & ♀	On the road from Tanktze to Chagra and Pankong Valley, between September 15th and 21st, 1873; and from Yárkand to Bursi, between May 28th and June 17th, 1874	×	×				
93	<i>Philodromus medius</i>	imm.	Murree, June 11th to July 14th, 1873	×					
94	<i>Tibellus propinquus</i>	imm. ♀	Káshghar, December 1873					×	
95	<i>Thanatus thorellii</i>	imm.	Yárkand in November 1873, and on the road thence to Bursi, between May 28th and June 17th, 1874			×			
96	<i>Thanatus albescens</i>	♀	On the road from Murree to the Sind Valley, July 14th and August 5th, 1873	×					
97	<i>Stoliczka insignis</i> *	♀	Murree, June 11th to July 14th, 1873	×					Generic type
98	<i>Ocyale rectifasciata</i>	imm. ♂	Murree to Sind Valley, between July 14th to August 5th, 1873	×					
99	<i>Ocyale dentifasciata</i> *	♀	Murree to Sind Valley, between July 14th to August 5th, 1873	×					
100	<i>Trochosa rubiginea</i>	♀ & ♂	Yárkand and neighbourhood, November 1873; Káshghar, December 1873; and route from Yárkand to Bursi, between May 28th and June 17th, 1874			×	×		
101	<i>Trochosa hebes</i>	♂	Yárkand and neighbourhood, November 1873; Yangihissár, April 1874; Yárkand, between 21st and 27th May 1874; hills between Sirikol and Aktalla, between 8th and 18th May 1874; route from Yárkand to Bursi, between May 28th and June 17th, 1874			×	×	×	
102	<i>Trochosa propinqua</i>	♀	Sind Valley, between August 5th and 13th, 1883 [year must be a typo – 1873?]	×					
103	<i>Trochosa adjacens</i>	♀	Yangihissár, April 1874					×	
104	<i>Trochosa sabulosa</i>	♀ & ♂	Yangihissár, April 1874; between Yangihissár and Sirikol, March 1874; road across the Pamir from Sirikol to Panja and back, between April 22nd and May 7th 1874; and Yárkand, between May 21st and 27th, 1874				×	×	
105	<i>Trochosa approximata</i>	♀	Yárkand, November 1873					×	
106	<i>Trochosa rubromandibulata</i>	imm. ♂	Murree to Sind Valley, between July 14th and August 15th, 1873	×					
107	<i>Trochosa lugubris</i>	♂	On the road across the Pamir from Sirikol to Panja and back, between April 22nd and May 7th, 1874					×	
108	<i>Tarentula irascibilis</i>	imm. ♀	Neighbourhood of Leh, August or September, 1873			×			
109	<i>Tarentula inimica</i>	♀	On the road across the Pamir from Sirikol to Panja and back, between April 22nd and May 7th, 1874					×	
110	<i>Lycosa condolens</i>	♂ & ♀	Yárkand and neighbourhood, November 1873; Káshghar, December 1873; between Yangihissár and Sirikol, March 1874; Yangihissár, April 1874; on the road across the Pamir, from Sirikol to Panja and back, between April 22nd and May 7th, 1874; hills between Sirikol and Aktalla, between 8th and 18th May 1874; road from Yarkand to Bursi, between May 28th and June 17th, 1874			×	×		
111	<i>Lycosa fortunata</i>	♂ & ♀	Neighbourhood of Leh, August and September 1873; Tanktze to Chagra and Pankong Valley, 15th to 21st September 1873; Yárkand and neighbourhood, November 1873; Káshghar, December 1873; between Yangihissár and Sirikol, March 1874; Yangihissár, April 1874; on the road across the Pamir from Sirikol to Panja and back, April 22nd to May 7th, 1874; hills between Sirikol and Aktalla, 8th to 18th May 1874; Yárkand, May 21st to 27th, 1874; road from Yárkand to Bursi, May 28th to June 17th, 1874	×	×	×	×		

OPC no.	Published as	Published sex	Locality data	Region					Notes
				1	2	3	4	5	
111	<i>Lycosa fortunata</i>	♂ & ♀	Neighbourhood of Leh, August and September 1873; Tanktze to Chagra and Pankong Valley, 15th to 21st September 1873; Yarkand and neighbourhood, November 1873; Káshghar, December 1873; between Yangihissár and Sirikol, March 1874; Yangihissár, April 1874; on the road across the Pamir from Sirikol to Panja and back, April 22nd to May 7th, 1874; hills between Sirikol and Aktalla, 8th to 18th May 1874; Yarkand, May 21st to 27th, 1874; road from Yarkand to Bursi, May 28th to June 17th, 1874	×	×	×	×	×	
112	<i>Lycosa stellata</i>	♀ & ♂	Yarkand and neighbourhood, November 1873; Káshghar, December 1873; Yangihissár, April 1874; on road across the Pamir from Sirikol to Panja and back, April 22nd to May 7th, 1874; hills between Sirikol and Aktalla, 8th to 13th of May 1871; Yarkand, 21st to 27th May 1874; Yarkand to Bursi, May 28th to June 17th, 1874	×	×	×			
113	<i>Lycosa credula</i>	♀	Hills between Sirikol and Aktalla, May 8th to 13th, 1874; road from Yarkand to Bursi, May 28th to June 17th, 1874	×		×			
114	<i>Lycosa vindex</i>	♀	Yarkand, November 1873				×		
115	<i>Lycosa vindicata</i>	♀	Murree, June 11th to July 14th, 1873; and between Yangihissár and Sirikol, March 1874	×			×		
116	<i>Lycosa passibilis*</i>	♂	Hills between Sirikol and Aktalla, between May 8th and 18th, 1874				×		
117	<i>Lycosa flavida</i>	♀ & imm. ♂	Yarkand and neighbourhood, November 1873; Káshghar, December 1873; between Yangihissár and Sirikol, March 1874; Yangihissár, April 1874; road from Yarkand to Bursi, between May 28th and June 17th, 1874	×	×	×			
118	<i>Boebe benevola</i>	♀	Yarkand and neighbourhood, November 1873; Káshghar, December 1873; between Yangihissár and Sirikol, March 1874; Yangihissár, April 1874; Yarkand, 21st to 27th May 1874, and Yarkand to Bursi, May 28th to June 17th, 1874	×	×	×			
119	<i>Oxyopes jubilans</i>	♂ & ♀	Tinali; route from Murree to Sind Valley, July 19th, 1873	×					
120	<i>Oxyopes praedicta</i>	♂	Tinali; route from Murree to Sind Valley, July 19th, 1873	×					
121	<i>Oxyopes rejecta</i>	♀	Tinali; route from Murree to Sind Valley, July 19th, 1873	×					
122	<i>Heliophanus dubius</i>	♂	Hills between Sirikol and Aktalla, May 8th to 18th, 1874				×		
123	<i>Plexippus adansonii</i>	♂ & ♀	Murree and Sind Valley about the end of July 1873 (probably)	×					
124	<i>Menemerus cinctus*</i>	♂	Yarkand, May 1874				×		
125	<i>Menemerus incertus</i>	♀	Yarkand, the end of May 1874				×		
126	<i>Menemerus deletus*</i>	♀	Route from Yarkand to Bursi, May 28th to June 17th, 1874	×					
127	<i>Menemerus frigidus*</i>	♀	Murree, June 11th to July 14th, 1873	×					
	<i>Xysticus setiger*</i>	♀	Murree, between June 11th and July 14th, 1873	×					
128	<i>Attus devotus</i>	♀	Murree, June 11th to July 14th, 1873	×					
129	<i>Attus beneficus</i>	♀	Sind Valley, August 1873	×					
130	<i>Attus diductus</i>	♀	Murree, June 11th to July 14th, 1873	×					
131	<i>Attus auspex*</i>	♂ & ♀	Yarkand and neighbourhood, November 1873; hills between Sirijol and Aktalla, May 8th to 13th, 1874	×	×				
132	<i>Attus avocator*</i>	♂	Yangihissár, April 1874				×		
~	<i>Theridion saxatile</i>		Not listed in main body of text	×					Name only found in List 1
~	<i>Xysticus audax</i>		Not listed in main body of text					×	Name appears in both List 1 & 2, but not main body of text

### Appendix 3

Complete list of the species cross-referencing World Spider Catalog data from 2018, locality data (after O. Pickard-Cambridge 1885), and revised locality to give most accurate records for type specimens. Specimen numbers as in Pickard-Cambridge (1885). \* indicates a species that has been revised since OPC's 1885 publication. **Bold** indicates a species described by OPC.

OPC no.	Published as	WSC (2018) type locality	Locality data (after OPC, 1885)	Revised locality
1	<i>Idiops designatus</i>	India	Murree, between June 11th and July 14th, 1873	Pakistan
2	<i>Filistata seclusa*</i>	China (Yarkand)	Leh, August or September 1873; Pankong-valley, September 15th to 21st, 1873	India
3	<i>Dysdera cylindrica*</i>	Pakistan	Murree, between June 11th and July 14th, 1873	
4	<i>Drassus troglodytes</i>		Yarkand to Bursi, May 28th to June 17th, 1874; between Sirikol and Aktallah, May 8th to 13th, 1874; Tantze to Chagna and Pankong valley, September 15th to 21st, 1873; Yarkand and neighbourhood, November 1873	
5	<i>Drassus infletus*</i>	China (Yarkand)	Between Yangihissár and Sirikol, March 1874	
6	<i>Drassus interemptor*</i>	China (Yarkand)	Neighbourhood of Leh, August or September 1873	India
7	<i>Drassus invisus*</i>	China (Yarkand)	Between Sirikol and Aktalla, between the 8th and 31st of May 1874	

OPC no.	Published as	WSC (2018) type locality	Locality data (after OPC, 1885)	Revised locality
8	<i>Drassus interpolator</i> *	China (Yarkand), Tajikistan	Hills between Sirikol and Aktalla, between May 8th and 13th, 1874; and road across the Pamir from Sirikol to Panja and back between April 22nd and May 7th, 1874	Yarkand and either Afghanistan or Tajikistan
9	<i>Drassus dispulsus</i> *	Tajikistan	Káshghar, December 1873; Tanktze to Chagna and Pankong valley, between September 15th and 21st, 1873. Between Yangihissár and Sirikol, March 1874; near Leh, August and September 1873. Yangihissár, April 1874. Yárkand and neighbourhood, November 1873. Road from Yárkand to Bursi, May 28th to June 17th, 1874; and road across the Pamir from Sirikol to Panja and back April 22nd to May 7th, 1874. Hills between Sirikol and Aktalla, May 8th to 13th, 1874; and the Sind Valley, August 5th to 13th, 1873	Yarkand, Afghanistan or Tajikistan and India
10	<i>Drassus interlisus</i> *	China (Yarkand)	Káshghar, December 1873 ; Yárkand, May 21st to 27th, 1874; between Yangihissár and Sirikol, March 1874; neighbourhood of Leh, August or September 1873 ; Yárkand to Bursi, between May 28th and June 17th, 1874	Yarkand and India
11	<i>Drassus involutus</i>	China (Yarkand)	Sind Valley, August 5th to 13th, 1873	India
12	<i>Drassus lapsus</i>	China (Yarkand)	Yangihissár, April 1874	
13	<i>Gnaphosa stoliczkae</i> *	China	Between Yangihissár and Sirikol, March 1874; from Yárkand to Bursi, May 28th to June 17th, 1874; also at Yangihissár, April 1874; and Káshghar, December 1873	Yarkand and possibly India
14	<i>Gnaphosa plumalis</i>		Yárkand to Bursi, May 28th to June 17th, 1874	
15	<i>Gnaphosa moerens</i> *	China	Hills between Sirikol and Aktalla, May 8th to 13th, 1874; between Yangihissár and Sirikol, March 1874; and from Yárkand to Bursi, May 28th to June 17th, 1874	Yarkand and possibly India
16	<i>Prothesima cingara</i>		Yárkand, May 21st to 27th, 1874; hills between Sirikol and Aktalla, May 8th to 13th, 1874; and route across the Pamir from Sirikol to Panja and back, April 22nd to May 7th, 1874	
17	<i>Micaria connexa</i> *	China (Yarkand)	Hills between Sirikol and Aktalla, May 8th to 13th, 1874	
18	<i>Micaria pallida</i>	Tajikistan	Found on the route across the Pamir from Sirikol to Panja and back, April 22nd to May 7th, 1874	Either Yarkand (Sirikol), Afghanistan or Tajikistan
19	<i>Clubiona deletrix</i> *	China, India	Murree to Sind valley, July 14th to August 5th, 1873	Either India or Pakistan
20	<i>Clubiona laticeps</i>	China (Yarkand)	Murree, June 11th to July 14th, 1874	Pakistan
21	<i>Clubiona laudata</i>	China (Yarkand)	Road from Yárkand to Bursi, May 28th to June 17th, 1874	Either China or India
22	<i>Cheiracanthium adjacens</i> *	China (Yarkand)	Murree, June 11th to July 14th, 1873	Pakistan
23	<i>Cheiracanthium approximatum</i> *	China (Yarkand)	Murree to Sind valley, July 14th to August 5th, 1873	Either Pakistan or India
24	<i>Agroeca debilis</i>	China (Yarkand)	Káshghar, December 1873	
25	<i>Agroeca flavens</i>	China (Yarkand)	Yárkand, May 21st to 27th, 1874	
26	<i>Trachelas costata</i> *	China (Yarkand)	Murree, June 11th to July 14th; and near Leh, August and September, 1873	Pakistan and India
27	<i>Dictyna albida</i>	China (Yarkand)	Between Yangihissár and Sirikol, March 1874	
28	<i>Argyroneta aquatica</i>		Yárkand and neighbourhood, November 1873	
29	<i>Tegenaria</i> ?		Yárkand to Bursi, May 28th to June 17th, 1874	
30	<i>Coelotes tegenarioides</i>	China (Yarkand)	Murree, June 11th to July 14th, 1874	Pakistan
31	<i>Coelotes simplex</i>	China (Yarkand)	Murree, June 11th to July 14th, 1874	Pakistan
32	<i>Episimus algiricus</i>		Murree, June 11th to July 14th, 1877 [year must be a typo]	
33	<i>Theridion riparium</i>		Murree, June 11th to July 14th, 1873	
34	<i>Theridion lepidum</i>	China (Yarkand)	Sind Valley, August 5th to 13th, 1874	India
35	<i>Theridion subitum</i>	India	Murree, June 11th to July 14th, 1874	Pakistan
36	<i>Theridion confusum</i>	China (Yarkand)	Murree, June 11th to July 14th, 1874	Pakistan
37	<i>Theridion expallidatum</i>	China (Yarkand)	Murree to Sind Valley, July 14th to August 5th, 1873	Either Pakistan or India
38	<i>Theridion tuberculatum</i>		Murree, June 11th to July 14th, 1873	
39	<i>Theridion incertum</i>	India	Murree, June 11th to July 14th, 1873	Pakistan
40	<i>Steatoda nigrocincta</i>	China (Yarkand)	Murree, June 11th to July 14th, 1873; and route from Yárkand to Bursi, May 28th to June 17th, 1874	Pakistan, and either China or India
41	<i>Steatoda sordidata</i>	China (Yarkand)	Hills between Sirikol and Aktalla, May 8th to 13th, 1874	
42	<i>Drepanodus mandibularis</i>		Yárkand to Bursi, May 28th to June 17th, 1874	
43	<i>Phycus sagittatus</i>	China (Yarkand)	Murree to Sind Valley, July 14th to August 5th, 1873	Either Pakistan or India
44	<i>Erigone atra</i>		Yárkand to Bursi, May 28th to June 17th, 1874	
45	<i>Erigone dentipalpis</i>		Sind Valley, August 5th to 13th, 1873	
46	<i>Pachygnatha clerckii</i>		Káshghar, December 1873	
47	<i>Linyphia consanguinea</i>	China (Yarkand)	Murree, June 11th to July 14th, and Murree to Sind Valley, July 14th to August 5th, 1873	Pakistan and possibly India
48	<i>Linyphia albipunctata</i>	China (Yarkand)	Murree, June 11th to July 14th, 1873	Pakistan
49	<i>Linyphia straminea</i>	India	Murree, June 11th to July 14th, 1873	Pakistan
50	<i>Linyphia perampla</i>	India	Sind Valley, August 5th to 13th, 1873	
51	<i>Linyphia pusilla</i>		Yárkand, May 21st to 27th 1874, and on the route thence to Bursi, May 28th to June 17th, 1874	
52	<i>Meta mixta</i>	China (Yarkand)	Murree, June 11th to July 14th, 1877 [year must be a typo]	Pakistan

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53	<i>Tetragnatha extensa</i>		Káshghar, December 1873; Sind Valley, August 5th to 13th, 1873; Yarkand, May 21st to 27th, 1874; and route from Yarkand to Bursi, May 28th to June 17th, 1874	
54	<i>Epeira tartarica</i>		Neighbourhood of Leh, August and September 1873	
55	<i>Epeira bigibbosa</i>	China (Yarkand)	Murree, June 11th to July 14th, 1873	Pakistan
56	<i>Epeira pellax</i>	China (Yarkand)	Murree to Sind Valley, July 14th to August 5th, 1873	Pakistan or India
57	<i>Epeira gurda</i>	Tibet	Murree, June 11th to July 14th, 1873	Pakistan
58	<i>Epeira haruspex</i>	Tibet	Yárkand, May 21st to 27th, 1874	China (Yarkand)
59	<i>Epeira paenulata</i>	China (Yarkand)	Murree, June 11th to July 14th, 1873	Pakistan
60	<i>Epeira praedata</i>	China (Yarkand)	Murree to Sind Valley, July 14th to August 5th, 1873	Pakistan or India
61	<i>Epeira cucurbitina</i>		Sind Valley, 5th to 13th August, 1873	
62	<i>Epeira cornuta</i>		Yárkand and neighbourhood in November 1873, and en route from Yárkand to Bursi between May 28th and June 17th, 1874	
63	<i>Epeira panniferens</i>	China (Yarkand)	Murree to Sind Valley, July 14th to August 5th, 1873	Pakistan or India
64	<i>Epeira carnifex</i>	China (Yarkand)	Murree, June 11th to July 24th, 1873	Pakistan
65	<i>Epeira gibbera</i>	China (Yarkand)	Murree to Sind Valley, July 14th to August 5th, 1873	Pakistan or India
66	<i>Chorizoopes stoliczkae</i>	India	Murree to Sind Valley, July 14th to August 5th, 1873	Pakistan or India
67	<i>Chorizoopes congener</i>	India	Murree to Sind Valley, July 14th to August 5th, 1877 [year must be a typo]	Pakistan or India
68	<i>Cyrtarachne pallida</i>	China (Yarkand)	Murree to Sind Valley, July 14th to August 5th, 1873	Pakistan or India
69	<i>Uloborus albescens</i>	China (Yarkand)	Murree to Sind Valley, between July 4th and August 5th, 1873	Pakistan or India
70	<i>Thomisus albidus</i>	Yarkand	On the road from Yárkand to Bursi, between May 28th and June 17th, 1874	Yarkand or India
71	<i>Thomisus albens</i>	China (Yarkand)	On the road from Yárkand to Bursi, between May 28th and June 17th, 1874	Yarkand or India
72	<i>Misumena expallidata</i> *	Pakistan	Murree, between June 11th to July 14th, 1873	
73	<i>Misumena oblonga</i> *	China (Yarkand)	Murree to Sind Valley, between July 14th to August 5th, 1873	Pakistan or India
74	<i>Synema exculta</i> *	India, Pakistan	Murree, between June 11th to July 14th, 1873	Pakistan
75	<i>Diaea spinulosa</i> *	India, Pakistan	Murree, between June 11th to July 14th, 1873	Pakistan
76	<i>Diaea subdola</i> *	Pakistan	Murree, between June 11th to July 14th, 1873	
77	<i>Diaea sufflava</i> *	Pakistan	Murree, between June 11th to July 14th, 1873	
78	<i>Diaea suspiciosa</i> *	China	Route from Yárkand to Bursi, between May 28th and June 17th, 1874	Yarkand or India
79	<i>Diaea subargentata</i> *	Pakistan	Murree, between June 11th to July 14th, 1873	
80	<i>Xysticus cristatus</i>		Road across the Pamir from Sirikol to Panja and back, April 22nd to May 7th, 1874 and Yárkand and neighbourhood, November 1873	
81	<i>Xysticus pini</i>		Sind Valley, 5th to 13th August 1873, and Hills between Sirkol and Aktalla, 8th to 13th May 1874	
82	<i>Xysticus maculosus</i>	China (Yarkand)	Murree, between 11th June and 14th July 1873	Pakistan
83	<i>Xysticus setiger</i> *	Pakistan, India	Murree, between 11th June and 14th July 1873	Pakistan
84	<i>Xysticus breviceps</i> *	India	Yárkand to Bursi, between May 28th and June 17th, 1874	Yarkand or India
85	<i>Xysticus mundulus</i>	China (Yarkand)	Sind Valley, between August the 5th and 13th, 1873	India
86	<i>Monastes dejectus</i> *	India	Murree to Sind Valley, between July 14th to August 5th, 1873	Pakistan or India
87	<i>Sarotes regius</i>		Murree, between June 11th to July 14th, 1873	
88	<i>Sarotes promptus</i> *	Pakistan, India	Murree, between June 11th to July 14th, 1873	Pakistan
89	<i>Sparassus timidus</i>	China (Yarkand)	Neighbourhood of Leh, August or September 1873	India
90	<i>Sparassus fugax</i>	China (Yarkand)	Murree to Sind Valley, July 14th and August 5th, 1873	Pakistan or India
91	<i>Sparassus flavidus</i> *	China (Yarkand)	Yárkand, between the 21st and 27th of May, 1874	
92	<i>Philodromus cinerascens</i>	China (Yarkand)	On the road from Tanktze to Chagra and Pankong Valley, between the 15th and 21st of September, 1873; and from Yárkand to Bursi, between May 28th and June 17th, 1874	India and possibly Yarkand
93	<i>Philodromus medius</i>		Murree, June 11th to July 14th, 1873	
94	<i>Tibellus propinquus</i>	China (Yarkand)	Káshghar, December 1873	
95	<i>Thanatus thorellii</i>		Yárkand in November 1873, and on the road thence to Bursi, between May 28th and June 17th, 1874	
96	<i>Thanatus albescens</i>	China (Yarkand)	On the road from Murree to the Sind Valley, July 14th and August 5th, 1873	Pakistan or India
97	<i>Stoliczka insignis</i> *	China (Yarkand)	Murree, June 11th to July 14th, 1873	Pakistan
98	<i>Ocyale rectifasciata</i>	India	Murree to Sind Valley, between July 14th to August 5th, 1873	Pakistan or India
99	<i>Ocyale dentifasciata</i> *	Pakistan or India	Murree to Sind Valley, between July 14th to August 5th, 1873	
100	<i>Trochosa rubiginea</i>	China (Yarkand)	Yárkand and neighbourhood, November 1873; Káshghar, December 1873; and route from Yárkand to Bursi, between May 28th and June 17th, 1874	Yarkand and possibly India
101	<i>Trochosa hebes</i>	China (Yarkand)	Yárkand and neighbourhood, November 1873; Yangihissár, April 1874; Yárkand, between 21st and 27th May 1874; hills between Sirikol and Aktalla, between 8th and 18th May 1874; route from Yárkand to Bursi, between May 28th and June 17th, 1874	Yarkand and possibly India
102	<i>Trochosa propinqua</i>	China (Yarkand)	Sind Valley, between 5th and 13th August, 1883 [year must be a typo—1873?]	India
103	<i>Trochosa adjacens</i>	China (Yarkand)	Yangihissár, April 1874	
104	<i>Trochosa sabulosa</i>	China (Yarkand)	Yangihissár, April 1874; between Yangihissár and Sirikol, March 1874; road across the Pamir from Sirikol to Panja and back, between April 22nd and May 7th 1874; and Yárkand, between 21st and 27th May 1874	Yarkand, and either Afghanistan or Tajikistan
105	<i>Trochosa approximata</i>	China (Yarkand)	Yárkand, November 1873	Yarkand

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106	<i>Trochosa rubromandibulata</i>	China (Yarkand)	Murree to Sind Valley, between July 14th and August 15th, 1873	Pakistan or India
107	<i>Trochosa lugubris</i>	Tajikistan	On the road across the Pamir from Sirikol to Panja and back, between April 22nd and May 7th, 1874	Tajikistan or Afghanistan or Yarkand
108	<i>Tarentula irascibilis</i>	Turkmenistan	Neighbourhood of Leh, August or September, 1873	India
109	<i>Tarentula inimica</i>	Tajikistan	On the road across the Pamir from Sirikol to Panja and back, between April 22nd and May 7th, 1874	Tajikistan or Afghanistan or Yarkand
110	<i>Lycosa condolens</i>	Central Asia	Yarkand and neighbourhood, November 1873; Káshghar, December 1873; between Yangihissár and Sirikol, March 1874; Yangihissár, April 1874; on the road across the Pamir, from Sirikol to Panja and back, between April 22nd and May 7th, 1874; hills between Sirikol and Aktalla, between 8th and 18th May 1874; road from Yarkand to Bursi, between May 28th and June 17th, 1874	Yarkand, Tajikistan or Afghanistan and possibly India
111	<i>Lycosa fortunata</i>	Central Asia	Neighbourhood of Leh, August and September 1873; Tanktze to Chagra and Pankong Valley, 15th to 21st September 1873; Yarkand and neighbourhood, November 1873; Káshghar, December 1873; between Yangihissár and Sirikol, March 1874; Yangihissár, April 1874; on the road across the Pamir from Sirikol to Panja and back, April 22nd to May 7th, 1874; hills between Sirikol and Aktalla, 8th to 18th May 1874; Yarkand, 21st to 27th of May 1874; road from Yarkand to Bursi, May 28th to June 17th, 1874	India, Yarkand and Tajikistan or Afghanistan
112	<i>Lycosa stellata</i>	Central Asia	Yarkand and neighbourhood, November 1873; Káshghar, December 1873; Yangihissár, April 1874; on road across the Pamir from Sirikol to Panja and back, April 22nd to May 7th, 1874; hills between Sirikol and Aktalla, 8th to 13th of May 1871; Yarkand, 21st to 27th May 1874; Yarkand to Bursi, May 28th to June 17th, 1874	Yarkand and Tajikistan or Afghanistan and possibly India,
113	<i>Lycosa credula</i>	Tajikistan	Hills between Sirikol and Aktalla, May 8th to 13th, 1874; road from Yarkand to Bursi, May 28th to June 17th, 1874	Yarkand and possibly India
114	<i>Lycosa vindex</i>	China (Yarkand)	Yarkand, November 1873	
115	<i>Lycosa vindicata</i>	China (Yarkand)	Murree, June 11th to July 14th, 1873; and between Yangihissár and Sirikol, March 1874	Pakistan and Yarkand
116	<i>Lycosa passibilis</i> *	Kyrgyzstan	Hills between Sirikol and Aktalla, between the 8th and 18th of May 1874	Yarkand
117	<i>Lycosa flavida</i>	Turkmenistan, China	Yarkand and neighbourhood, November 1873; Káshghar, December 1873; between Yangihissár and Sirikol, March 1874; Yangihissár, April 1874; road from Yarkand to Bursi, between May 28th and June 17th, 1874	Yarkand and possibly India
118	<i>Boebe benevola</i>	China (Yarkand)	Yarkand and neighbourhood, November 1873; Káshghar, December 1873; between Yangihissár and Sirikol, March 1874; Yangihissár, April 1874; Yarkand, 21st to 27th May 1874, and Yarkand to Bursi, May 28th to June 17th, 1874	Yarkand and possibly India
119	<i>Oxyopes jubilans</i>	Pakistan, China	Tinali; route from Murree to Sind Valley, July 19th, 1873	Pakistan or India
120	<i>Oxyopes praedicta</i>	China (Yarkand)	Tinali; route from Murree to Sind Valley, July 19th, 1873	Pakistan or India
121	<i>Oxyopes rejecta</i>	China (Yarkand)	Tinali; route from Murree to Sind Valley, July 19th, 1873	Pakistan or India
122	<i>Heliophanus dubius</i>		Hills between Sirikol and Aktalla, May 8th to 18th, 1874	
123	<i>Plexippus adansonii</i>		Murree and Sind Valley, about the end of July 1873 (probably)	
124	<i>Menemerus cinctus</i> *	China (Yarkand)	Yarkand, May, 1874	
125	<i>Menemerus incertus</i>	China (Yarkand)	Yarkand, end of May 1874	
126	<i>Menemerus deletus</i> *	China	Route from Yarkand to Bursi, May 28th to June 17th, 1874	Yarkand or India
127	<i>Menemerus frigidus</i> *	Pakistan	Murree, June 11th to July 14th, 1873	
128	<i>Attus devotus</i>	China (Yarkand)	Murree, June 11th to July 14th, 1873	Pakistan
129	<i>Attus beneficus</i>	China (Yarkand)	Sind Valley, August 1873	India
130	<i>Attus diductus</i>	China	Murree, June 11th to July 14th, 1873	Pakistan
131	<i>Attus auspex</i> *	China (Yarkand)	Yarkand and neighbourhood, November 1873; hills between Sirijol and Aktalla, 8th to 13th May 1874	
132	<i>Attus avocator</i> *	China (Yarkand)	Yangihissár, April 1874	
~	<i>Theridion saxatile</i>		Not listed in main body of text	Name only found in List 1
~	<i>Xysticus audax</i>		Not listed in main body of text	Name appears in both List 1 & 2, but not main body of text