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The proportions of the three specimens of *Gastrostomus* essentially agree as to those points for which measurements have been given by M. Vaillant, and their ratios and the discrepancy therefrom of the type of *Eurypharynx* may be judged from the following table :

	E.	G. 1.	G. 2.	G. 3.
Extreme length.....	.47	.47	.235	.149
Cranium :				
Length.....	.03	.015	.0075	.0045
Width.....		.015	.0075	.0045
Suspensorium, length.....	.095	.102	.053	.0335

There is no *à priori* improbability of the existence of two or even many generic modifications of the Lyomerous type, and differences like those represented by the preceding diagnoses are such as might naturally be expected.

**ORNITHOLOGICAL NOTES ON COLLECTIONS MADE IN JAPAN FROM JUNE TO DECEMBER, 1882.**

By **PIERRE LOUIS JOUY.**

INTRODUCTION.

Accompanied by Mr. A. J. M. Smith, I left Yokohama on the morning of the 23d of June, 1882, for an ornithological trip to Fuji-yama. This, the highest mountain in Japan, is a favorite breeding-ground for many species of birds, both migratory and resident; centrally situated and having an altitude of over 12,000 feet above the sea level, it affords every favorable condition of environment.

Traveling by the ordinary hand-carriage, or kuruma, we accomplished about 35 miles of our journey, which was as far as the condition of the roads would allow. We then walked on to Tonozawa, a small place where we had a bath heated by a natural spring, and also secured very good accommodations for the night.

From Tonozawa to Ashinoyu, by mountain paths, through several small villages, occupied the next day. Sulphur springs of varying temperature, from 85° Fah. to boiling point, abound in these hills, and are utilized largely for bathing purposes. The water is conducted by means of bamboo pipes to the houses and public bathing places, and in many of the towns hot and cold water flow side by side through the principal street.

Here, as in Switzerland, the people are mainly engaged in cabinet work, turning and carving; many grotesque objects are made out of the roots of trees. Although mills run by water-power abound, yet they

do not use water for driving the lathes, which have only a half-rotary motion and are worked entirely by foot-power.

The weather was very unpropitious, and the roads were in a very bad condition. It still continuing to rain heavily, we stopped at Ashinoyu for two days. Few birds were seen, except *Passer montanus*, *Emberiza ciopsis*, and the sprightly Japanese nightingale, *Cettia*, which, despite the rain, sang merrily on every roadside.

From Ashinoyu, over the grass hills skirting Hakone Lake, we walked on to Higashitanaka, a small town about 6 miles from our destination, where, procuring a kuruma, we arrived at Subashiri on the same day. Subashiri, situated on the east slope of Fuji, 2,500 feet above the level of the sea, is almost due west from Yokohama about 45 miles. It is one of the principal towns from which the pilgrims make the ascent of the Sacred Mountain. Though small it consists mainly of "tea-houses," or native hotels, and can probably accommodate 600 or 800 guests. Arriving three or four weeks ahead of the pilgrim season, we found the place quite deserted, and were fortunate in securing two very good rooms at the best tea-house in the place. Here we worked from the 28th of June until the end of July, and, although we had ten days of bad weather, we succeeded in getting 326 specimens and about 60 species of birds, besides a few nests and eggs. A number of interesting first plumages of birds were obtained which have hitherto been undescribed. The approach of the pilgrim season filled the town with guests, whose curiosity in regard to our doings became a positive annoyance. From the middle of July until the end of August an average of over 1,000 persons ascended the mountain daily from the various towns around its base. A large proportion of these people passed through Subashiri.

Having accomplished all that it was possible for us to do unless we had waited for the fall migration, we determined to seek a new field. Returning to Yokohama for fresh supplies, we resolved to continue our work in the central part of Japan. We accordingly left on the 22d of August, taking a tent and outfit for an extended trip in the mountains. We first camped out on the shores of Chiussenji Lake, among the Nikko Mountains, about 90 miles nearly due north from Yokohama.

At this elevated region (4,375 feet above the level of the sea), although early in September, the nights were quite cold, and very few birds were to be obtained. A fine specimen of the honey buzzard (*Pernis apivorus*) was brought to us by an old native hunter, who shot it with his matchlock gun; the young of the rare robin (*Larvivora cyanea*), also the young of the Eastern bullfinch (*Pyrrhula orientalis*), were the most interesting birds we collected at Chiussenji.

An occasional kite was seen flying over the lake, refuting the testimony of the guide-book, which states that "no fish live in it." Swifts, which are so numerous in summer, had all departed when we arrived, and a sojourn of ten days at the lake convinced us that we had arrived

at that unsatisfactory season when the migratory birds had all departed, and yet it was not cold enough to drive the winter birds down from the mountains.

Finding it necessary to reduce our luggage to the smallest amount possible with the work in hand, we sent our tent and collections on hand back to Yokohama. The balance of our supplies and outfit we sent by native express company to Omachi, in the province of Shinshiu, which we decided to make our headquarters. We now had a walk before us of about 100 miles over some of the most picturesque and mountainous country in Japan, extending nearly across the main island. The roads were exceedingly rough, being mainly bridle-paths for pack-horses. In this stretch of country we did not observe a single valley 10 miles in width. Five miles from Chiussenji we passed through the town of Umoto, on the shores of Umoto Lake, a beautiful sheet of water, smaller in size than Chiussenji, but much more irregular in shape. This lake is on a higher level than Chiussenji, and empties into it by a steep cascade. Some of the strongest sulphur springs in Japan are found at Umoto, and are much resorted to by travelers. The water, which is 124° Fahr., pours out of the hillside and finally empties into the lake, turning the water a dirty, milky color. In this part of the lake we noticed that carp were particularly abundant, seeming to enjoy the warmer water.

At Numata, a town of about 4,000 inhabitants, we secured specimens of the "Ai," a celebrated Japanese fish belonging to the Salmonidæ (the *Salmo altivelis* of authors). These fish are caught in a peculiar manner. After whipping the stream with flies, as for trout, and securing a fish, a fine gut line is passed through the nostrils and fastened to a line held in the hand; trailing behind the fish thus fastened, which is simply a decoy, are several bright hooks which flash in the sunlight and attract other fish. The decoy is now gently led up stream, and the fish, in darting after it, get snagged on the hooks. Horse-hoof parings, used as lures, are said to be successful with "Ai"; they are also caught with weirs.

At Kusats, one of the most important watering-places in Japan, celebrated for its many fine baths, we stopped for a day and a half. Here bathing is done under systematic instruction, and many people suffering from skin-diseases resort to the springs during the summer months.

The red-checked starlet (*Sturnia pyrrhogenys*), which we had observed only once before at Smbashiri, was very common about Kusats; several flocks of 30 or 40 were seen.

The only town of any importance in our line of travel was Zenkoji, the capital of the province of Shinshiu, where we arrived on the evening of the 16th of September. This is quite a large, compactly-built place, containing about 7,000 people. On the high road to Niigata, the west coast sea-port, it commands most of the trade of this section of the country.

We spent a day here visiting the famous temples and sightseeing.

We left Zenkoji on the morning of the 18th, and, having secured a kuruma for a short distance, we walked the remainder, 25 miles, into Omachi, where we arrived at 5 p. m.

Omachi, situated at the base of the Tate-Yama Mountains, is 2,150 feet above the sea-level and about 130 miles northwest from Yokohama. These mountains, the most considerable in Japan, present an almost impassable barrier between the province of Shinshiu and the west coast, a pass 7,700 feet high, affording a doubtful means of communication during a few months in the year. We were attracted to this isolated region by the accounts of the game which was said to abound in the mountains. We were also anxious to secure ptarmigan, said to be exceedingly tame and abundant.

As our luggage had not yet arrived, we were detained at Omachi several days awaiting it; meanwhile we occupied ourselves in prospecting about the country in search of a permanent place to work in. At Oide, a small hunting village 3 miles from Omachi, containing a single tea-house, we secured a room, and our gear having arrived we took possession of our quarters and commenced work on the 25th of September. Here we remained for three months, adding many valuable specimens to our previous collections, and returning to Yokohama late in December.

At Tate-Yama we secured specimens of the rare goat-antelope *Nemorhedus dispar*, the Japanese bear, *Ursus japonicus*, the monkey, *Macacus speciosus*, raccoon-faced dog, badger, and many smaller animals of equal rarity. Our collection of birds was enhanced by about 300 skins, including many species not collected by us before. We also made a small collection of fishes and reptiles.

Before closing this brief account I desire to acknowledge my indebtedness to Mr. Alan Owston, of Yokohama, whose co-operation in my work and many acts of kindness made collecting possible; to Capt. Thomas Blakiston, for invaluable assistance in the work of identification; to Mr. Smith, a genial companion and excellent collector, who performed the office of interpreter and smoothed over the roughness of traveling in a strange country; to Mr. H. Pryer, who gave me free access to a valuable collection of Japanese birds; and to many other gentlemen for courtesies extended.

YOKOHAMA, JAPAN, April 30, 1883.

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**Turdus cardis** T. Temm. et Schl., Faun. Japon., 1847, Aves, pl. xxix et xxx, p. 65; Blakiston, Ibis, 1862, p. 319; Whitely, Ibis, 1867, p. 199; Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, p. 165; Brit. Mus. Cat., Vol. V, p. 261.

This is a lowland thrush, and is found breeding at Fuji, all around the base of the mountain. It was quite common there, although we did

not meet with it at any other place. The nest is generally placed in the fork of a small tree overhanging a stream, and is composed of moss and roots woven into a compact mass, with the addition of dried leaves and mud to give it solidity. It is lined with grass, fine rootlets, and horse-hair. It is about 120<sup>mm</sup> to 130<sup>mm</sup> in diameter, and its inside depth is from 40<sup>mm</sup> to 45<sup>mm</sup>. The eggs vary much in size and color, ranging from 27<sup>mm</sup> to 29½<sup>mm</sup> in length, and from 20<sup>mm</sup> to 21½<sup>mm</sup> in diameter.

The ground color is a rich creamy tint with faint lilaceous blotches; the eggs are mottled all over with streaks and blotches of madder-brown.

Nests were taken in the latter part of June and early in July.

*Young in first plumage.*—Above, uniform dusky; the feathers of the back margined with blackish; some specimens show pale ochraceous shaft lines. Throat and belly pure white; the cheeks, breast, and flanks have a slight tinge of ochraceous. The entire under parts are thickly covered all over with round, dusky spots; these are confluent on the cheeks and sides of the head, inclosing the white of the throat. Wing plain, dusky, slightly olivaceous on the outer webs; a few of the wing coverts edged with rusty brownish.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
360	.....	♂ ad.	Fuji-Yama.....	June 30, 1882	
380	.....	♂ ad.	.....do.....	July 2, 1882	
381	88607	♂ juv.	.....do.....	July 2, 1882	
382	.....	♂ juv.	.....do.....	July 2, 1882	
399	.....	♂ ad.	.....do.....	July 2, 1882	
454	88611	♀ ad.	.....do.....	July 8, 1882	
474	.....	♂ juv.	.....do.....	July 11, 1882	
495	88606	♂ ad.	.....do.....	July 13, 1882	
496	.....	♂ ad.	.....do.....	July 13, 1882	
526	88612	♂ juv.	.....do.....	July 16, 1882	
595	88608	♀ juv.	.....do.....	July 24, 1882	
599	.....	♂ ad.	.....do.....	July 25, 1882	

**Turdus obscurus** Gmel. Temm. et Schl., Faun. Japon., 1847, Aves, pl. xxvii, p. 63; Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, p. 165; Brit. Mus. Cat., Vol. V, p. 273.

This species seems to be rather a rare one. We collected it only in Shinshiu in autumn.

It is generally found in thickets and about streams, but a few were taken on the hills by the bird-catchers.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
715	41320	♂ ad.	Tate-Yama, Shinshiu.....	Oct. 23, 1882	
716	.....	♀ ad.	.....do.....	Oct. 23, 1882	
723	.....	♂ ad.	.....do.....	Oct. 27, 1882	Iris dark brown.
795	91317	♀ ad.	.....do.....	Nov. 17, 1882	
385	88605	♂ ad.	Fuji-Yama.....	July 2, 1882	
508	88604	♀ ad.	.....do.....	July 13, 1882	

**Turdus pallidus** Gmel. Temm. et Schl., Faun. Japon., 1847, Aves, pl. xxvi, p. 62; Whitely, Ibis, 1867, p. 199; Blakiston and Pryer, Ibis, 1878, p. 240; Seebohm, Ibis, 1879, p. 37; Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, p. 164; Brit. Mus. Cat., Vol. V, p. 274.

A single specimen of this bird was obtained in the province of Shinshiu. We did not meet with it at Fuji or elsewhere.

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
751	91319	♂ ad.	Tate-Yama, Shinshiu. ....	Nov. 2, 1882	

**Turdus sibericus** Pall. Temm. et Schl., Faun. Japon., 1847, Aves, pl. xxxi, p. 66; Seebohm, Ibis, 1879, p. 37; Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, 1882, p. 164; Brit. Mus. Cat., Vol. V, p. 180.

This fine thrush frequents the deeper woods, and is rarely seen below a considerable altitude. I once shot one as he flitted across the path, but most of the specimens were collected at a small spring which flowed from the side of Fuji, at an elevation of about 5,000 feet. They were very shy, and only seen about sunset. This spring, the only water for a considerable distance around, was a favorite resort for all kinds of small birds, which, towards sunset, began to appear in twos and threes from all directions.

Robins and flycatchers, *narcissina*, and others, were frequently seen; among flocks of tits noisily fighting for first place at the bath, the little *Acredula* seemed the most aggressive. The Siberian thrush was so silent in its movements and suspicious of the slightest noise that it required the closest attention to detect it. This spot became one of our favorite collecting grounds.

A full-plumaged male which had begun to assume the autumnal plumage was taken at Chiusenji Lake in the latter part of August. The primary coverts are edged with brownish; the superciliary line is not so distinct, and is slightly suffused with brownish. All the feathers of the crown have rusty edgings, and there are traces of the same color on the throat. The belly is considerably lighter than the breast, and there are a number of black terminal spots to the feathers.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
395	88602	♂ ad.	Fuji-Yama .....	July 2, 1882	
398	.....	♂ ad.	.....do.....	July 2, 1882	
486	88610	♂ ad.	.....do.....	July 11, 1882	
509	88609	♂ ad.	.....do.....	July 14, 1882	
510	.....	♂ ad.	.....do.....	July 14, 1882	
511	88603	♂ ad.	.....do.....	July 14, 1882	
512	.....	♂ ad.	.....do.....	July 14, 1882	
532	.....	♂ ad.	.....do.....	July 18, 1882	
533	.....	♂ ad.	.....do.....	July 18, 1882	
534	.....	♂ ad.	.....do.....	July 18, 1882	
647	.....	♂ ad.	Chiusenji Lake .....	Aug. 31, 1882	

Iris dark brown.  
Iris very dark brown.

**Turdus chrysolaus** T. Temm. et Sebl., Faun. Japon, 1847, Aves, pl. xxviii, p. 64; Whitely, Ibis, 1867, p. 199; Blakiston and Pryer, Ibis, 1878, p. 241; Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, p. 165; Brit. Mus. Cat., Vol. V, p. 275.

This thrush is quite common at Fuji in the breeding season, and was also found at Chiussenji Lake and at Tate-Yama. Some specimens in breeding plumage show a distinct white line over the eye entirely wanting in fall birds, which are also very dark on the throat and ear coverts.

The nest is similar in size and general appearance to that of *cardis*, but is composed of much coarser material, and instead of being covered with moss it is bound together with long fibers of grass. One nest has a piece of straw rope and a bit of old blue cotton cloth in it, such as used by the natives in making sandals or "*warajies*."

The eggs are pale bluish in color, blotched and speckled all over with brown and lilaceous. They average slightly smaller in size than *cardis*, being about 27<sup>mm</sup> by 20<sup>mm</sup>.

Young birds in first plumage resemble young of *cardis*, but are much lighter in color. The back is light olive brown; all the feathers have broad ochraceous webs, giving the back a streaked appearance; the feathers are also margined with blackish; the head is slightly darker than the back.

The cheeks and under parts are suffused with ochraceous, which deepens into reddish brown on the flanks. The sides of the head, breast, and flanks are thickly covered with small dusky spots.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
330	.....	♂ juv.	Fuji-Yama .....	June 29, 1882	
346	.....	♂ ad.	do .....	June 29, 1882	
361	.....	♀ ad.	do .....	June 30, 1882	
362	.....	♀ ad.	do .....	June 30, 1882	
424	.....	♀ ad.	do .....	July 4, 1882	
522	.....	♂ ad.	do .....	July 14, 1882	
629	91318	♂ juv.	Chiussenji Lake .....	Aug. 27, 1882	
723	.....	♂ ad.	Tate-Yama, Shinshiu .....	Oct. 27, 1882	

**Turdus fuscatus** Pall. Blakiston, Ibis, 1862, p. 319; Swinhoe, Ibis, 1874, p. 157; Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, p. 167; Brit. Mus. Cat., Vol. V, p. 262.

This bird was collected only at Tate-Yama, where it made its appearance in the latter part of October and soon became very numerous.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
721	91311	♀ ad.	Tate-Yama, Shinshiu .....	Oct. 27, 1882	Iris very dark brown.
749	.....	♀ ad.	do .....	Oct. 31, 1882	
750	91312	♀ ad.	do .....	Nov. 1, 1882	"Abundant; only thrush seen at this time."
773	.....	♀ ad.	do .....	Nov. 7, 1882	
776	.....	♂ ad.	do .....	Nov. 8, 1882	
794	.....	♂ ad.	do .....	Nov. 17, 1882	
809	91313	♀ ad.	do .....	Nov. 25, 1882	
810	.....	♀ ad.	do .....	Nov. 25, 1882	
824	91314	♂ ad.	do .....	Nov. 30, 1882	
825	91315	♂ ad.	do .....	Nov. 30, 1882	
826	.....	♂ ad.	do .....	Nov. 30, 1882	
829	.....	♀ ad.	do .....	Nov. 30, 1882	
830	91316	♂ ad.	do .....	Nov. 30, 1882	

*Hypsipites amaurotis* T. & S. Temm. et Sehl., Faun. Japon, 1847, Aves, pl. xxxi B., p. 68; Blakiston, Ibis, 1862, p. 320; Whitely, Ibis, 1867, p. 199; Swinhoe, Ibis, 1874, p. 158; Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, p. 163; Brit. Mus. Cat., Vol. VI, p. 42.

"Screechers" are exceedingly abundant in every locality in which I have collected.

They are very gifted vocalists, and have a wide range of mimicking notes, reminding one at times of our own mocking thrushes. They have no notes so sweet as our thrushes, and their vocabulary is varied with the voice of the purple grackle and the discordant notes of the jay.

They are caught in large numbers in Shinshiu in a very peculiar manner. Decoys, of their own species, are placed in cages in a grove of trees, generally on top of a hill, and about 15 or 20 feet apart; close by is a horizontal twig, birdlimed, on the end of which is a bunch of attractive berries. A few inches below the twig a net is spread, about 10 inches wide at the top, and 18 inches deep. The birds, attracted by the calls of their mates in the cages, and the seductive berries, alight on the twigs, and, feeling the lime, attempt to throw themselves off by dropping down backwards, and generally fall in the net. If they fall on the ground, they have so much birdlime on them that they are easily caught.

In the autumn these birds fly in large flocks, and as many as thirty or forty are caught in a morning by one man.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
502	88664	♂ ad.	Fuji-Yama . . . . .	July 13, 1882	Iris reddish brown.
729	91325	♀ ad.	Tate-Yama, Shinshiu . . . . .	Oct. 28, 1882	

*Pratincola maura* Pall. Blakiston, Ibis, 1862, p. 318; Whitely, Ibis 1867, p 197; Swinhoe, Ibis, 1874, p. 155; Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, 1882, p. 162; Brit. Mus. Cat., Vol. IV, p. 188.

Common in the long grass of the hillsides around Fuji. Breeding in June; fully fledged young taken early in July. These birds are often seen on the tops of the grass stems or small bushes, and utter a sharp clicking note when approached. Although not shy, they are very wary, and rapidly make their way through the thick grass, appearing and disappearing on all sides.

Young in first plumage are much streaked and spotted above with dusky and pale buff. All the feathers of the crown and nape with narrow buffy webbings. Back with arrow-shaped buff centers to the tips of the feathers; upper tail coverts brownish. Wings and tail dusky, the latter tipped and edged with brownish. Secondaries and wing coverts broadly edged with brownish; innermost wing coverts white. Chin, breast, and belly pale buff; throat dirty white. The feathers of the breast much edged and mottled with dusky.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
303	.....	♀ ad.	Ashinoyu .....	June 26, 1882	Iris dark brown.
312	88636	♂ ad.	Fuji-Yama .....	June 27, 1882	
429	.....	♂ ad.	.....do.....	July 5, 1882	
430	88637	♀ ad.	.....do.....	July 5, 1882	
448	.....	♂ juv.	.....do.....	July 6, 1882	
619	.....	♂ ad.	.....do.....	July 29, 1882	

**Erithacus cyaneus** (Pall.) Blakiston and Pryer, *Ibis*, 1878, p. 239, *Trans. As. Soc. Japan*, Vol. X, Pt. I, 1882, p. 161; *Brit. Mus. Cat.*, Vol. V, p. 303.

Specimens of this rare robin were collected both at Fuji and Chiussenji. At the latter locality we obtained two specimens of the young of the year. They are dull olive on the crown and back; rump and tail blue; wings dusky bluish or brownish. Eyelids and line from the bill to the eye ochraceous. Breast and sides of the face ochraceous. All the feathers with faint olivaceous edgings. The throat is lighter than the breast, and separated from it by these olivaceous edgings to the feathers. Belly white.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
513	91457	♂ ad.	Fuji-Yama .....	July 14, 1882	.
660	91377	♂ juv.	Chiussenji Lake.....	Sept. 3, 1882	
662	.....	♂ juv.	.....do.....	Sept. 3, 1882	

**Tarsiger cyanurus** (Pall.) Temm. et Schl., *Faun. Japon.*, 1847, *Aves*, pl. xxi, p. 54; Blakiston, *Ibis*, 1862, p. 318; Whitely, *Ibis*, 1867, p. 197; Blakiston and Pryer, *Trans. As. Soc. Japan*, Vol. X, Pt. I, p. 161; *Brit. Mus. Cat.*, Vol. IV, p. 255.

This is one of the commonest birds in the mountains during summer. It is very familiar in its ways and easily approached. Seated on a low branch of a tree or shrub, with its head on one side, it eyes you curiously, all the while uttering a low, guttural, chuckling note.

This bird is often the only one seen on some of the higher passes.

Young of the year resemble the female.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
342	.....	♂ juv.	Fuji-Yama .....	June 29, 1882	Iris very dark amber brown.
350	.....	♂ ad.	.....do.....	June 29, 1882	
404	.....	♀ ad.	.....do.....	July 2, 1882	
405	88619	♂ ad.	.....do.....	July 2, 1882	
421	.....	♂ ad.	.....do.....	July 4, 1882	
422	88618	♂ ad.	.....do.....	July 4, 1882	
781	91370	♂ juv.	Tate-Yama, Shinshiu.....	Nov. 13, 1882	Iris very dark amber brown.
869	.....	♂ ad.	.....do.....	Dec. 15, 1882	
870	.....	♀ ad.	.....do.....	Dec. 15, 1882	

*Ruticilla aurea* Pall. Temm. et Schl., Faun. Japon., 1847, Aves, pl. xxi, D, p. 56; Blakiston, Ibis, 1862, p. 318; Swinhoe, Ibis, 1875, p. 449; Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, 1882, p. 162; Brit. Mus. Cat., Vol. V, p. 345.

Observed in Shinshiu from the latter part of October until late in December. Generally found in low bushes or tangled thickets; has a loud, piping note.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
717	.....	♂ ad.	Tate-Yama, Shinshiu .....	Oct. 24, 1882	Iris black.
739	91371	♀ ad.	Matsumoto, Shinshiu .....	Oct. 29, 1882	
876	91372	♂ ad.	Tate-Yama, Shinshiu .....	Dec. 18, 1882	

*Cinclus pallasi* T. Temm. et Schl., Faun. Japon., 1847, Aves, pl. xxxi, C, p. 68; Swinhoe, Ibis, 1875, p. 449; Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, p. 160; Brit. Mus. Cat., Vol. VI, p. 316.

We found the dipper common in all the mountain streams, but it was more abundant in Shinshiu than at Fuji.

Young birds are curiously mottled all over, the under parts with white, dusky, and brownish markings. The throat is lighter in color than the breast, and is the last to assume the adult plumage.

The back is a light chocolate brown, all the feathers being margined with dusky.

The white spot over the eye is particularly noticeable in the young.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
491	88613	♂ ad.	Fuji-Yama .....	July 12, 1882	Iris sienna brown, legs pale bluish.
492	.....	♀ ad.	.....do.....	July 12, 1882	
616	.....	♂ ad.	.....do.....	July 29, 1882	
640	.....	♂ juv.	Chiusenji Lake.....	Aug. 30, 1882	
653	91321	♂ juv.	.....do.....	Sept. 1, 1882	Iris umber brown.
654	.....	♀ juv.	.....do.....	Sept. 2, 1882	
659	91322	♀ juv.	.....do.....	Sept. 3, 1882	
686	91323	♂ ad.	Tate-Yama, Shinshiu .....	Oct. 7, 1882	
842	.....	♂ ad.	.....do.....	Dec. 5, 1882	
851	91354	♀ ad.	.....do.....	Dec. 8, 1882	
863	.....	♂ ad.	.....do.....	Dec. 12, 1882	

*Phylloscopus coronatus* T & S. Temm. et Schl., Faun. Japon., 1847, Aves, pl. xviii, p. 48; Blakiston, Ibis, 1862, p. 317; Whitely, Ibis, 1867, p. 197; Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, 1882, p. 159; Brit. Mus. Cat., Vol. V, p. 49.

Exceedingly abundant on Fuji in June and July, breeding. Not met with elsewhere.

Young of the year resemble the adult, but have the crown dusky, and lack the central stripe. The figure in the Fauna Japonica is lacking in the median line on the crown.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
316	.....	♂ ad.	Fuji-Yama .....	June 28, 1882	Iris dark brown.
324	88628	♀ juv.	.....do.....	June 28, 1882	
475	.....	♂ ad.	.....do.....	July 11, 1882	
514	.....	♂ juv.	.....do.....	July 14, 1882	
540	.....	♂ ad.	.....do.....	July 18, 1882	
606	.....	♂ ad.	.....do.....	July 27, 18-2	
607	.....	♂ juv.	.....do.....	July 27, 1882	
608	88627	♂ ad.	.....do.....	July 27, 18-2	
620	.....	♂ ad.	.....do.....	July 29, 1882	
621	.....	♂ ad.	.....do.....	July 29, 1882	

*Phylloscopus xanthodryas* Swinhoe. Seebohm, Ibis, 1879, p. 36; Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, 1882, p. 159; Brit. Mus. Cat., Vol. V, p. 42.

Found on Fuji in July, but not nearly so common as *coronatus*. Obtained also at Chiusenji Lake in October.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
418	.....	♂ ad.	Fuji-Yama .....	July 4, 1882	Iris, umber brown.
573	88624	♂ ad.	.....do.....	July 20, 1882	
574	.....	♀ ad.	.....do.....	July 20, 1882	
682	91374	♂ ad.	Chiusenji Lake.....	Oct. 3, 1882	

*Cettia cantans* (T. & S). Temm. et Schl., Faun. Japon., 1847, pl. xix, p. 51; Whitely, Ibis, 1867, p. 197; Seebohm, Ibis, 1879, p. 35; Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, 1882, p. 156; Brit. Mus. Cat., Vol. V, p. 139.

Abundant everywhere, breeding at Fuji. In summer their cheerful and pleasing song enlivens every roadside.

Young birds, and adults also in autumn and winter, are very wren-like in their habits, being found along the banks of streams and in brush-heaps. They utter a harsh scolding note when disturbed, and have the same habit of cocking the tail over the back. Young in first plumage, above dull olive, head slightly grayish; wings and tail brownish; line over the eye yellow. Entire under parts pale yellowish. Sides and flanks slightly olivaceous; tarsi and toes dusky.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
305	.....	♂ ad.	Asbinoyu .....	June 26, 1882	Iris dark brown.
367	88630	♂ ad.	Fuji-Yama .....	June 30, 1882	
460	.....	♂ juv.	.....do.....	July 9, 1882	
580	.....	♂ ad.	.....do.....	July 23, 1882	
589	.....	♂ ad.	.....do.....	July 24, 1882	
611	.....	♂ juv.	.....do.....	July 28, 1882	
623	.....	♂ juv.	.....do.....	July 29, 1882	
720	.....	♂ ad.	Tate-Yama.....	Oct. 26, 1882	
774	91375	♀ ad.	.....do.....	Nov. 7, 1882	

*Cettia cantillans* (T. & S.). Temm. et Schl., Faun. Japon., 1847, Aves, pl. xx, p. 52; Blakiston, Ibis, 1862, p. 318; Whitely, Ibis, 1867, p. 197.

A large series of specimens collected at Fuji and elsewhere, together with two forms of young birds, induce me to reinstate the name of *cantillans*, ignored of late by ornithologists, for the smaller species. I do not distinguish any difference of color, but there is a very great difference in size, especially in the comparative length of the wing and tarsus. *C. cantans* measures: tarsus, 24.5<sup>mm</sup> to 25.5<sup>mm</sup>, and wing 63<sup>mm</sup> to 65<sup>mm</sup>, while *cantillans* is 22<sup>mm</sup> to 22.5<sup>mm</sup> in the tarsus, and wing 55<sup>mm</sup>.

This difference in size cannot be attributable to sex or season. I have a female of *cantans* measuring 9.5<sup>mm</sup> more in the wing than adult male of *cantillans*. There is a marked difference in the young of the two species, *cantans*, young, being 25<sup>mm</sup>, *cantillans* 22<sup>mm</sup>, in the tarsus; and 56<sup>mm</sup> against 50<sup>mm</sup> in the wing.

Young in first plumage are the same as described under *cantans*, but have the tarsi and toes yellowish instead of dusky.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
468	.....	♂ juv.	Fuji-Yama .....	July 10, 1882	Iris dark brown. •
498	.....	♂ juv.	.....do.....	July 13, 1882	
499	.....	♂ juv.	.....do.....	July 13, 1882	
630	.....	♂ juv.	Chiusenji Lake .....	Aug. 27, 1882	
775	91376	♂ ad..	Tate-Yama, Shinshiu .....	Nov. 7, 1882	

*Cettia squamiceps* Swinhoe. Swinhoe, Ibis, 1874, p. 155, et 1877, p. 205, pl. iv; Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, 1882, p. 157; Brit. Mns. Cat., Vol. V, p. 142.

A single specimen of this bird was obtained at Fuji. It seems to be rather rare.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
490	91456	♂ ad.	Fuji-Yama .....	July 12, 1882	

*Regulus japonicus* Bp. Temm. et Schl., Faun. Japon., 1847, Aves, p. 70; Blakiston, Ibis, 1862, p. 320, Whitely, Ibis, 1867, p. 196; Seebohm, Ibis, 1879, p. 37; Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, p. 160.

This bird was taken on Fuji-Yama at an altitude of about 7,000 feet. It undoubtedly breeds there. It was first seen about Tate-Yama early in October, having been forced down from the mountains by the snow-storms.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
570	.....	♂ ad.	Fuji-Yama .....	July 20, 1882	
680	91359	♂ ad.	Tate-Yama, Shinshiu .....	Oct. 3, 1882	
685	.....	♂ ad.	.....do.....	Oct. 3, 1882	
695	91360	♂ ad.	.....do.....	Oct. 15, 1882	
819	.....	♂ ad.	.....do.....	Nov. 28, 1882	
833	.....	♀ ad.	.....do.....	Dec. 3, 1882	
843	.....	♂ ad.	.....do.....	Dec. 5, 1882	
844	91361	♀ ad.	.....do.....	Dec. 5, 1882	
862	91362	♂ ad.	.....do.....	Dec. 9, 1882	
874	.....	♂ ad.	.....do.....	Dec. 17, 1882	Iris very dark umber brown.

**Acredula trivirgata** (Temm.) Temm. et Schl., Faun. Japon., 1847, Aves, pl. xxxiv, p. 71; Blakiston and Pryer, Ibis, 1878, p. 235; Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, p. 151.

Abundant everywhere in the mountains in flocks. Breeding at Fuji.

Young birds are uniform dusky brownish above, with the crown and wing-coverts pure white; throat, belly, and breast white. The eyelids are a brilliant orange color in young birds.

*List of specimens.*

Original No.	Museum No.	Sex.	Locality.	Date.	Remarks.
315	.....	♂ juv.	Fuji-Yama .....	June 28, 1882	Iris black.
322	.....	♂ juv.	.....do.....	June 28, 1882	
464	.....	♂ juv.	.....do.....	July 11, 1882	
465	88649	♂ juv.	.....do.....	July 11, 1882	
466	88647	♂ juv.	.....do.....	July 11, 1882	
476	.....	♂ juv.	.....do.....	July 10, 1882	
477	88646	♂ juv.	.....do.....	July 10, 1882	
478	.....	♂ ad.	.....do.....	July 10, 1882	
485	.....	♂ juv.	.....do.....	July 11, 1882	
487	.....	♂ juv.	.....do.....	July 11, 1882	
488	88648	♂ juv.	.....do.....	July 11, 1882	
529	.....	♂ juv.	.....do.....	July 16, 1882	
541	.....	♂ ad.	.....do.....	July 18, 1882	
542	.....	♂ juv.	.....do.....	July 18, 1882	
543	.....	juv.	.....do.....	July 18, 1882	
603	.....	♀ ad.	.....do.....	July 27, 1882	
604	.....	♂ ad.	.....do.....	July 27, 1882	
605	.....	♂ juv.	.....do.....	July 27, 1882	
687	.....	♂ ad.	Tate-Yama, Shinshiu .....	Oct. 8, 1882	
786	.....	♀ ad.	.....do.....	Nov. 17, 1882	Iris dark brown.
790	91351	♀ ad.	.....do.....	Nov. 17, 1882	
837	91352	♂ ad.	.....do.....	Dec. 4, 1882	
838	91353	♀ ad.	.....do.....	Dec. 4, 1882	

**Parus ater** L. Temm. et Schl., Faun. Japon., 1847, Aves, p. 70; Blakiston, Ibis, 1862, p. 321; Whitely, Ibis, 1867, p. 198; Swinhoe, Ibis, 1874, p. 155; Seebohm, Ibis, 1879, p. 31; Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, p. 149.

Common in small flocks among the pines. Rather rare at Fuji, but exceedingly abundant in Shinshiu in winter.

*List of specimens.*

Original No.	Museum No.	Sex.	Locality.	Date.	Remarks.
340	.....	♂ ad.	Fuji-Yama .....	June 29, 1882	
373	88645	♀ ad.	.....do.....	June 30, 1882	
675	.....	♂ ad.	Tate-Yama, Shinshiu .....	Sept. 27, 1882	
683	91347	♂ ad.	.....do.....	Oct. 3, 1882	
688	91348	♂ ad.	.....do.....	Oct. 8, 1882	
696	.....	♀ ad.	.....do.....	Oct. 15, 1882	Iris dark brown.

*Parus minor* T. & S. Temm. et Schl., Faun. Japon., 1847, Aves, pl. xxxiii, p. 70; Whitely, Ibis, 1867, p. 198; Swinhoe, Ibis, 1874, p. 156; Seebohm, Ibis, 1879, p. 33; Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, p. 150.

The commonest tit, abundant everywhere in the mountains, associating with the coal and marsh tits.

Found breeding at Fuji in June. A nest which contained seven young birds was taken from an old bamboo pipe which stood in the yard of our inn at Subashiri.

Young birds in the first plumage differ from the adults in having the entire upper parts, with the exception of the white spot in the nape of the neck, dull olive green; crown slightly darker. Sides of the face, breast, and flanks pale yellowish. Throat and middle of the belly like the back. The cheek patches are not separated from the color of the breast, as in the adult.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
325	88641	♂ ad.	Fuji-Yama .....	June 28, 1882	
353	88642	♂ juv.	.....do.....	July 2, 1882	
544	.....	♂ juv.	.....do.....	July 18, 1882	
684	.....	♂ ad.	Tate-Yama, Shimshiu .....	Oct. 3, 1882	
689	.....	♂ ad.	.....do.....	Oct. 8, 1882	
692	.....	♂ ad.	.....do.....	Oct. 9, 1882	
804	91345	♀ ad.	.....do.....	Nov. 23, 1882	
873	91346	♂ ad.	.....do.....	Dec. 15, 1882	
29	85799	♂ ad.	Nagasaki .....	May 30, 1882	

*Parus palustris japonicus* (L.) Seebohm. Blakiston, Ibis, 1862, p. 321; Whitely, Ibis, 1867, p. 198; Swinhoe, Ibis, 1874, p. 156; Seebohm, Ibis, 1879, p. 32; Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, p. 150.

Abundant in the mountains. Found breeding at Fuji.

*List of specimens.*

Original number	Museum number.	Sex.	Locality.	Date.	Remarks.
467	.....	♂ ad.	Fuji-Yama .....	July 10, 1882	Iris dark brown.
489	.....	♂ ad.	.....do.....	July 11, 1882	
519	.....	juv.	.....do.....	July 14, 1882	
545	88644	♂ ad.	.....do.....	July 18, 1882	
609	88643	♂ ad.	.....do.....	July 27, 1882	
681	.....	♂ ad.	Tate-Yama, Shimshiu .....	Oct. 3, 1882	
690	91349	♂ ad.	.....do.....	Oct. 9, 1882	
691	91350	♂ ad.	.....do.....	Oct. 9, 1882	
791	.....	♂ ad.	.....do.....	Oct. 17, 1882	
861	.....	♂ ad.	.....do.....	Dec. 9, 1882	

*Parus varius* T. & S. Temm. et Schl., Faun. Japon., 1847, Aves, pl. xxxv, p. 71; Blakiston, Ibis, 1862, p. 321; Swinhoe, Ibis, 1874, p. 155; Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, p. 151.

This bird, commonly seen in cages all over the country, was rather rare at Fuji, and was only seen late in the season at Tate-Yama.

It is found in the pines with other species of tits, but is generally solitary or in pairs. Its note resembles that of the little woodpecker.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
377	.....	♀ ad.	Fuji-Yama .....	July 1, 1882	Iris brown.
827	91343	♀ ad.	Tate-Yama, Shinshiu .....	Dec. 1, 1882	
831	91344	♂ ad.	do.....	Dec. 3, 1882	
845	.....	♂ ad.	do.....	Dec. 6, 1882	
849	.....	♂ ad.	do.....	Dec. 7, 1882	
855	.....	♂ ad.	do.....	Dec. 9, 1882	

*Sitta europæa* L. Blakiston, Ibis, 1862, p. 322; Swinhoe, Ibis, 1863, p. 99; Whitely, Ibis, 1867, p. 196; Swinhoe, Ibis, 1874, p. 152; Seebohm, Ibis, 1879, p. 34; Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, p. 152.

Not met with at Fuji, but very common at Chiuseuji Lake and Tate-Yama.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
627	.....	♂ ad.	Chiuseuji Lake .....	Aug. 27, 1882	
633	91355	♂ ad.	do.....	Aug. 29, 1882	
636	.....	♂ ad.	do.....	Aug. 29, 1882	
661	.....	♂ ad.	do.....	Sept. 3, 1882	
663	91356	♂ ad.	do.....	Sept. 4, 1882	
671	91357	♂ ad.	do.....	Sept. 6, 1882	
673	.....	♂ ad.	do.....	Sept. 7, 1882	
745	91358	♂ ad.	Tate-Yama, Shinshiu .....	Oct. 31, 1882	
856	.....	♂ ad.	do.....	Dec. 9, 1882	
996	91547	♂ ad.	Sapporo, Yezo.....	Oct. 17, 1882	

*Certhia familiaris* L. Whitely, Ibis, 1867, p. 196; Swinhoe, Ibis, 1874, p. 152; Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, p. 133.

One specimen, a young bird, was taken in Shinshiu, after a violent snow-storm.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
821	31354	♀ juv.	Tate-Yama, Shinshiu .....	Nov. 30, 1882	
997	91548	♀ ad.	Sapporo, Yezo.....	Oct. 14, 1882	

*Troglodytes fumigatus* Temm. Temm. et Schl., Faun. Japon., 1847, Aves, p. 69; Swinhoe, Ibis, 1874, p. 152; Seebohm, Ibis, 1879, p. 37; Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, p. 160; Brit. Mus. Cat., Vol. VI, p. 276.

Common in the summer near the peaks of the high mountains; breeding at Fuji.

Found about brush-heaps and near streams in the lowlands from about the middle of November.

I could not distinguish any difference between the habits of this bird and our own familiar winter wren. It has the same low, delicious, warbling song common to both species.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
571	88640	♂ ad.	Fuji-Yama .....	July 20, 1882	
787	91363	♂ ad.	Tate-Yama, Shinshiu .....	Nov. 17, 1882	
820	.....	♀ ad.	.....do.....	Nov. 30, 1882	
828	91364	♂ ad.	.....do.....	Dec. 2, 1882	
834	91365	♀ ad.	.....do.....	Dec. 4, 1882	
835	91366	♂ ad.	.....do.....	Dec. 4, 1882	
836	.....	♂ ad.	.....do.....	Dec. 4, 1882	
839	91367	♀ ad.	.....do.....	Dec. 4, 1882	
848	.....	♂ ad.	.....do.....	Dec. 7, 1882	
850	.....	♂ ad.	.....do.....	Dec. 8, 1882	

**Acrocephalus bistrigiceps** Swinhoe. Swinhoe, *Ibis*, 1874, p. 154, as *C. Maacki*; Seebohm, *Ibis*, 1879, p. 35; Blakiston and Pryer, *Trans. As. Soc. Japan*, Vol. X, Pt. I, 1882, p. 156; *Brit. Mus. Cat.*, Vol. V, p. 94.

Very common in the meadows around Fuji. They are rather shy in their habits, the males mounting the tops of the long grass and disappearing on the other side. I did not succeed in getting any females, and judge that they were all in the nests at that time.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
309	.....	♂ ad.	Fuji-Yama .....	June 27, 1882	
310	88629	♂ ad.	.....do.....	June 27, 1882	
311	.....	♂ ad.	.....do.....	June 27, 1882	

**Acrocephalus orientalis** (T. & S.). Temm. et Schl., *Faun. Japon.*, 1847, Aves, pl. xx, B, p. 50; Blakiston, *Ibis*, 1862, p. 317; Swinhoe, *Ibis*, 1874, p. 153; Blakiston and Pryer, *Trans. As. Soc. Japan*, Vol. X, Pt. I, 1882, p. 156; *Brit. Mus. Cat.*, Vol. V, p. 97.

We obtained this species only about Fuji-Yama, where it did not seem to be very common.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
384	88631	♀ ad.	Fuji-Yama .....	July 2, 1882	
417	88632	♀ ad.	.....do.....	July 3, 1882	Iris light amber.
437	.....	♂ ad.	.....do.....	July 5, 1882	
438	.....	♂ ad.	.....do.....	July 5, 1882	

**Zosterops japonica** T. & S. Temm. et Schl., *Faun. Japon.*, 1847, Aves, pl. xxii, p. 57; Seebohm, *Ibis*, 1879, p. 29; Blakiston and Pryer, *Trans. As. Soc. Japan*, Vol. X, Pt. I, 1882, p. 138.

Very common at Fuji-Yama, where it was breeding in July. We had a nest of this bird brought to us which contained three eggs. They are plain bluish white in color, without speckling, and measure about 13.5<sup>mm</sup> by 17<sup>mm</sup>. The nest is a beautiful structure, composed entirely of moss

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patched outside with large pieces of lichen and lined inside with horse-hair. It is rather flat in shape and is evidently a ground nest. It measures about 90<sup>mm</sup> outside diameter and is 40<sup>mm</sup> in depth; inside diameter, 55<sup>mm</sup>. This bird was common in Shinshiu in the autumn and was often taken by the bird-catchers.

*List of specimens.*

Original number.	Musem number.	Sex.	Locality.	Date.	Remarks.
320	.....	♂ ad.	Fuji-Yama .....	June 28, 1882	Iris light sienna.
323	88639	♀ ad.	.....do.....	June 28, 1882	
610	.....	♂ ad.	.....do.....	July 28, 1882	

**Anthus maculatus** Hodg. Temm. et Schl., Faun. Japon., 1847, Aves, pl. xxiii, p. 58; Swinhoe, Ibis, 1877, p. 144; Seebohm, Ibis, 1879, p. 34; Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, 1882, p. 153.

Exceedingly abundant at Fuji; found as high up as the snow line.

Breeding in the latter part of June and early in July. Nest on the ground, composed of moss and dried grass, very slightly lined with finer grasses and rootlets. The eggs vary much in size and shape, ranging from 19<sup>mm</sup> to 21<sup>mm</sup> in length, and average 10<sup>mm</sup> in breadth. The ground color is lilaceous; the entire surface is speckled all over with sepia, the spots becoming confluent on the larger end.

Young of the year resemble the adult, but are duller on the upper parts and all the markings are finer. Wing coverts with buffy edgings; flanks and under tail coverts washed with ochraceous.

*List of specimens.*

Original number.	Musem number.	Sex.	Locality.	Date.	Remarks.
329	.....	♀ ad.	Fuji-Yama .....	June 29, 1882	Shot on the snow.
336	.....	♂ ad.	.....do.....	June 29, 1882	
366	88661	♂ ad.	.....do.....	June 30, 1882	
403	88650	♀ ad.	.....do.....	July 2, 1882	
423	88660	♂ ad.	.....do.....	July 4, 1882	
537	.....	♂ ad.	.....do.....	July 18, 1882	
538	.....	♂ ad.	.....do.....	July 18, 1882	
539	.....	♂ juv.	.....do.....	July 18, 1882	
583	.....	♂ ad.	.....do.....	July 23, 1882	
584	.....	♂ ad.	.....do.....	July 23, 1882	
585	.....	♂ ad.	.....do.....	July 23, 1882	
586	.....	♂ ad.	.....do.....	July 23, 1882	
587	88658	♂ ad.	.....do.....	July 23, 1882	
588	.....	♂ ad.	.....do.....	July 23, 1882	
592	.....	♂ ad.	.....do.....	July 24, 1882	
593	88662	♀ juv.	.....do.....	July 24, 1882	
594	.....	♂ juv.	.....do.....	July 24, 1882	
626	.....	♂ juv.	.....do.....	July 30, 1882	
1003	91554	♂ juv.	Sapporo, Yezo.....	Sept. 28, 1882	
1004	91555	♂ ad.	.....do.....	Sept. 28, 1882	

**Motacilla boarula** L. Temm. et Schl., Faun. Japon., 1847, Aves, p. 59; Blakiston, Ibis, 1862, p. 318; Swinhoe, Ibis, 1874, p. 157; Seebohm, Ibis, 1879, p. 35; Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, 1882, p. 155.

Seen at Fuji only, where it was tolerably common.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
597 618	88663	♂ ad. ♀ ad.	Fuji-Yama do	July 25, 1882 July 29, 1882	

**Motacilla lugens** T. & S. Temm. et Schl., Faun. Japon., 1847, Aves., pl. xxv, p. 60; Blakiston, Ibis, 1862, p. 319; Whitely, Ibis, 1867, p. 198; Swinhoe, Ibis, 1874, p. 156, as *japonica*; Seebohm, Ibis, 1879, p. 34; Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, p. 155.

Very common along the banks of streams; also in the paddy fields after the rice has been cut.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
440 665 674 677	91368 91369	♂ ad. ♂ ad. ♀ ad. ♂ ad.	Fuji-Yama Chiusenji Lake Tate-Yama, Shinshiu do	July 6, 1882 Sept. 3, 1882 Sept. 26, 1882 Sept. 26, 1882	

**Hirundo gutturalis** Scop. Swinhoe, Ibis, 1874, p. 151; Seebohm, Ibis, 1879, p. 29; Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, 1882, p. 139.

These birds are familiar objects flying through the streets and darting into the native houses through open doors. Almost every house in a Japanese town has one or more little wooden shelves, placed just inside the door on one of the rafters of the ceiling, on which the swallows build their nests and rear their young. Nor is their confidence misplaced; they are as sacred on their shelf as any of the household gods, an offer of money for which is considered an insult. I believe these swallows rarely build elsewhere than in the situations I have described.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
472		♀ juv.	Fuji-Yama	July 10, 1882	

**Chelidon blakistoni** Swinh. Swinhoe, Proceed. Zool. Soc. Lond. 1862, p. 320; Swinhoe, Ibis, 1863, p. 90; Swinhoe, Ibis, 1874, p. 151; Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, 1882, p. 140.

We found these birds breeding in considerable numbers on the sides of an inaccessible cliff or chasm on Fuji-Yama above the limit of forest growth. Their nests must have been composed largely of saliva, as there is no mud in that volcanic region. Many of the birds, when shot, had their mouths full of fine scoriæ dust, of which they were evidently making their nests.

We saw these birds on some of the higher passes in Shinshiu in September.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
558	.....	♀ ad.	Fuji-Yama .....	July 20, 1882	
559	.....	♂ ad.	do .....	July 20, 1882	
560	.....	♂ ad.	do .....	July 20, 1882	
561	.....	♂ ad.	do .....	July 20, 1882	
562	.....	♀ ad.	do .....	July 20, 1882	
563	.....	♂ ad.	do .....	July 20, 1882	
564	.....	♂ ad.	do .....	July 20, 1882	
565	88668	♂ ad.	do .....	July 20, 1882	
566	88669	♂ ad.	do .....	July 20, 1882	
567	88670	♀ ad.	do .....	July 20, 1882	
568	88671	♂ ad.	do .....	July 20, 1882	
569	.....	♀ ad.	do .....	July 20, 1882	
591	.....	♀ ad.	do .....	July 24, 1882	

*Ampelis phœnicoptera* T. Temm. et Schl., Faun. Japon, 1847, Aves, pl. xlv, p. 84; Whitely, Ibis, 1867, p. 200; Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, 1882, p. 149.

I did not observe this bird at Fuji. In the latter part of November a small flock made its appearance at Tate-Yama. They were feeding, at that time, on mistletoe berries.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
823	91385	♀ ad.	Tate-Yama, Shinshiu.....	Nov. 30, 1882	Iris venetian red.

*Lanius bucephalus* T. & S. Temm. et Schl., Faun. Japon, 1847, Aves, pl. xiv, p. 39; Whitely, Ibis, 1867, p. 200; Swinhoe, Ibis, 1875, p. 450; Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, 1882, p. 146.

Very common everywhere; collected at Fuji, Chiussenji, and in Shinshiu.

*Young in first plumage.*—Upper parts, crown, ear-coverts, and back rufous-brown, darker on the head; secondaries and wing-coverts broadly edged with rufous; superciliary line cream color; lower parts buff, deepening into brownish on sides and flanks; throat, sides of face, and belly cream color; breast, sides of face, and flanks closely covered with dusky crescentic markings; tail dusky, edged with rufous, most of the feathers tipped with white.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
327	.....	♀ ad.	Fuji-Yama .....	June 29, 1882	
424	88677	♂ ad.	do .....	July 5, 1882	Iris dark brown.
436	.....	♂ ad.	do .....	July 5, 1882	
531	88676	♂ ad.	do .....	July 17, 1882	
652	91383	♂ juv.	Chiussenji Lake .....	Aug. 31, 1882	
756	.....	♂ ad.	Tate-Yama, Shinshiu.....	Nov. 2, 1882	
757	91384	♀ juv.	do .....	Nov. 2, 1882	

*Lanius superciliosus* L. Swinhoe, Ibis, 1875, p. 450; Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, 1882, p. 147.

Very abundant at the base of Fuji, breeding. Not observed elsewhere.

Nest in the fork of a small tree or bush. It is very large for the size of the bird, measuring 100<sup>mm</sup> in diameter, with an inside depth of 50<sup>mm</sup>. It is composed of roots, the stems of plants, and grass, and is lined with finer grasses and rootlets. The eggs are cream color, much speckled all over, but especially the larger end, with umber brown; there are a few lilac blotches beneath the spots. The eggs are perfectly oval in shape, and measure 22<sup>mm</sup> by 16.5<sup>mm</sup>.

*Young, first plumage.*—Above, grayish brown, tinged with rusty, and narrowly barred with dusky; these bars narrower and more indistinct on nape; rump dull buff, narrowly and rather distantly barred; upper tail-coverts light rusty, narrowly barred with dusky; wings dusky, the coverts and secondaries broadly margined with pale rusty; lores and auriculars blackish, bordered above by light mottled grayish; lower parts white, the breast and sides tinged with pale buffy grayish, and rather indistinctly undulated with dark grayish; bill pale-colored, darker on culmen; feet very pale.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
374	.....	♀ ad.	Fuji-Yama .....	July 1, 1882	Bill dark horn color, fleshy toward the base; feet slate.
375	.....	♂ ad.	do.....	July 1, 1882	
376	.....	ad.	do.....	July 1, 1882	
400	88673	♀ ad.	do.....	July 2, 1882	
401	.....	ad.	do.....	July 2, 1882	
444	.....	♂ ad.	do.....	July 6, 1882	
445	.....	♂ ad.	do.....	July 6, 1882	
446	88675	♂ juv.	do.....	July 6, 1882	
463	.....	ad.	do.....	July 10, 1882	
500	.....	ad.	do.....	July 13, 1882	
501	88674	ad.	do.....	July 13, 1882	
523	88672	♂ ad.	do.....	July 14, 1882	

? *Lanius magnirostris* Less. Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, 1882, p. 147.

A specimen which is identical with the one mentioned in Blakiston and Pryer's list was shot at Fuji. It has the form of *superciliosus*, but is a very distinct species.

The head is pure ashy gray, extending down to the shoulders; the wing-coverts, back, and rump are a rich chestnut, closely barred with dusky wavy lines. Ear coverts black. A narrow black line extends from the eye to the base of the bill. Nasal feathers white. A superciliary and post-ocular white line. Entire under parts pure white; flanks barred with dusky. Tail chestnut, narrowly tipped with white. Bill heavy, strongly hooked and toothed, 15<sup>mm</sup> in length. Wing 92<sup>mm</sup>. Tail 85<sup>mm</sup>. Tarsus 24<sup>mm</sup>.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
402	91455	♀ ad.	Fuji-Yama.....	July 2, 1882	

*Pyrrhula orientalis* T. & S. Temm. et Schl., Faun. Japon., 1847, Aves, pl. liii, p. 91; Blakiston, Ibis, 1862, p. 323; Whitely, Ibis, 1867, p. 203; Swinhoe, Ibis, 1874, p. 160; Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, 1882, p. 176; Seebohm, Ibis, 1882, p. 371, as *rosacea*.

I first saw these birds high up Fuji, at an elevation of between 3,000 and 4,000 feet. Young birds were very common in the treetops at Chiusenji Lake in latter part of August, seeming to keep entirely in the birch trees.

A large series of specimens in various stages of plumage, collected in Shinshiu, induce me to believe that Seebohm's species *rosacea* is simply a highly-developed stage of plumage of *orientalis*.

Looking over the collection I find I have five adult males. The first is typical *orientalis*; cheek-patches and throat rose color, breast clear ashy gray, back slightly darker. In the second the color of the throat is not clearly defined against the gray breast, the rose color runs down to a point in front, and there are rosy feathers scattered over the breast; in the third the rose has become a decided tint all over the breast, and in the fourth this color is still deeper on the breast, and has made its appearance on the back; but in the fifth specimen the *rosaceous* phase is very well developed. There is no line of demarkation between the cheeks and the breast. The rose color, or "vermillion," as Seebohm calls it, extends all over the breast, down to the flanks. The back is also strongly suffused with the same color. I judge that this specimen is even brighter or more *rosaceous* than the ones Mr. Seebohm describes, but with such a series before me as I have just described, I must draw the conclusion that *rosacea* is simply a phase of plumage of *orientalis*. Captain Blakiston agrees with me in the conclusions arrived at in regard to this species.

This phase of plumage is by no means rare in Shinshiu. A fair proportion of all the males I saw had the flush of breast and back of *rosacea*. Both plumages are figured in the "Fauna Japonica."

Young birds of the year: upper parts dirty olive-brown, darker on the head, rump white; below brownish, lighter in tint than the back. Wings and tail as in the adult. Bill smoky brown; feet brownish. The chin is black in some specimens.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
641	91335	♂ juv.	Chiusenji Lake.....	Aug. 30, 1882	Iris very dark brown.
642	.....	♂ juv.	..... do .....	Aug. 30, 1882	
643	.....	♂ juv.	..... do .....	Aug. 30, 1882	
644	.....	♂ juv.	..... do .....	Aug. 30, 1882	
645	91336	♂ juv.	..... do .....	Aug. 30, 1882	
646	.....	♂ juv.	..... do .....	Aug. 30, 1882	
655	.....	♂ juv.	..... do .....	Sept. 2, 1882	
656	91337	♂ juv.	..... do .....	Sept. 2, 1882	
658	91338	♂ juv.	..... do .....	Sept. 2, 1882	
812	91339	♂ ad.	Tate-Yama, Shinshiu.....	Nov. 28, 1882	
813	.....	♂ ad.	..... do .....	Nov. 28, 1882	
814	.....	♀ ad.	..... do .....	Nov. 28, 1882	
815	91340	♂ ad.	..... do .....	Nov. 28, 1882	
816	91341	♀ ad.	..... do .....	Nov. 28, 1882	
867	.....	♂ ad.	..... do .....	Dec. 14, 1882	
875	91342	♂ ad.	..... do .....	Dec. 17, 1882	

*Carpodacus roseus* Pall. Swinhoe, Ibis, 1877, p. 145; Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, 1882, p. 175.

One specimen of this bird was obtained in Shinshiu having been caught with bird-lime.

This species appears to have been only recorded in a wild state before from Yezo. I am informed, however, that the bird-dealers of Tokio frequently have specimens of this bird for sale. Locality of specimens unknown.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
797	91346	♂ ad.	Tate-Yama, Shiushiu .....	Nov. 21, 1883	

*Chlorospiza sinica* L. Temm. et Schl., Faun. Japon., 1847, Aves, pl. xlix, p. 89, as *Kawarahiba minor*; Whitely, Ibis, 1867, p. 202; Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, 1882, p. 173.

Very common at Fuji in summer. Not collected in Shinshiu.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
506	88680	♀ ad.	Fuji-Yama .....	July 13, 1883	
249	88681	♂ juv.	..... do .....		

*Coccyzus vulgaris japonicus* Bp. Temm. et Schl., Faun. Japon., 1847, Aves, pl. li, p. 90; Whitely, Ibis, 1867, p. 201; Swinhoe, Ibis, 1874, p. 160; Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, 1882, p. 175.

This bird is frequently found in the bird-shops in winter, but is rarely seen in a state of nature on account of the shyness of its habits. We did not meet with it at Fuji-Yama.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
760	91437	♂ ad.	Matsumoto, Shinshiu .....	Nov. 5, 1882	Iris reddish brown; bill lavender, washed with brownish, tip dusky; tarsi and toes lilaceous.
857	91438	♀ ad.	Tate-Yama, Shiushiu .....	Dec. 9, 1882	

**Eophona personata** (T. & S.). Temm. et Schl., Faun. Japon., 1847, Aves, pl. lii, p. 91; Whitely, Ibis, 1867, p. 201; Swinhoe, Ibis, 1877, p. 145; Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, 1882, p. 175.

This species probably breeds on Fuji-Yama, as specimens were taken in June and July, but it is apparently not very common. It was also found in Shinshiu in winter.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
352	88678	♂ ad.	Fuji-Yama .....	June 30, 1882	Bill ochrace yellow, base slightly greenish; feet pale flesh color.
358	.....	♂ ad.	.....do .....	June 30, 1882	
359	88679	♀ ad.	.....do .....	June 3, 1882	
378	.....	♂ ad.	.....do .....	July 1, 1882	Iris dark reddish brown; bill pale yellow, base slightly greenish; tarsi and toes pale flesh color.
864	.....	♀ ad.	Tate-Yama, Shinshiu.....	Dec. 12, 1882	

**Loxia albiventris** Swinh. Temm. et Schl., Faun. Japon., 1847, Aves, p. 93; Swinhoe, Ibis, 1875, p. 450; Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, 1882, p. 176.

Crossbills were exceedingly plentiful in Shinshiu from about the middle of October. We were informed by the natives that they made their appearance in considerable numbers about every third year. At such times many people are employed catching them, and a considerable number are destroyed. The site for a bird-catcher of this description is on the summit of a hill, where there are a few trees, generally firs or pines. Selecting a suitable tree in which to hang his cages of decoy birds, he proceeds to make a broom-like arrangement of fir branches by wrapping them on the end of a long pole; into this he thrusts a few slender twigs, which have been coated with bird-lime. Resting the pole against the tree, and allowing the limed twigs to project through the top, he lies in wait at a suitable distance off, quietly smoking his pipe, until some passing flocks of siskins or crossbills are attracted by the singing of the birds in the cages and alight on the twigs. Taking the old twigs out, with the birds fluttering and struggling on them, he puts new ones in their places and is ready for the next flock.

Some specimens, males, are curiously mottled with red, green, and orange, and some females have a decided reddish tinge to the feathers.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
724	91569	♀ ad.	Tate-Yama, Shinshiu.....	Oct. 27, 1882	Iris dark brown.
725	.....	♀ ad.	.....do.....	Oct. 27, 1882	
726	.....	♂ ad.	.....do.....	Oct. 27, 1882	
727	91432	♂ ad.	.....do.....	Oct. 27, 1882	
742	.....	♀ ad.	.....do.....	Oct. 30, 1882	
743	.....	♂ ad.	.....do.....	Oct. 31, 1882	
805	91433	♂ ad.	.....do.....	Nov. 24, 1882	
806	91434	♀ ad.	.....do.....	Nov. 24, 1882	
807	.....	♀ ad.	.....do.....	Nov. 24, 1882	
817	.....	♂ ad.	.....do.....	Nov. 28, 1882	
852	.....	♀ ad.	.....do.....	Dec. 9, 1882	
853	.....	♀ ad.	.....do.....	Dec. 9, 1882	
854	91435	♀ ad.	.....do.....	Dec. 9, 1882	
871	.....	♂ ad.	.....do.....	Dec. 15, 1882	

*Leucosticte brunneinucha* Brandt. Whitely, Ibis, 1867, p. 202; Swinhoe, Ibis, 1875, p. 450; Blakiston and Pryer Trans. As. Soc. Japan, Vol. X, P+. I., 1882, p. 174.

I did not see these birds alive, either in the mountains or elsewhere, in Japan, but on returning from Tate-Yama, late in December, there were immense strings of them in the bird-shops near Matsumoto. In two small shops there were at least three hundred specimens, all more or less decomposed. I managed to secure a few for identification. We were informed that they had all been netted, and most of them had been taken at one time.

These birds compare very well with Yezo specimens taken in February. Kurile Island birds (summer) are much darker, and have black bills.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
881	91445	♂ ad.	Matsumoto, Shinshiu .....	Dec. 21, 1882	Iris dark brown; bill golden yellow, tip dusky; tarsi and toes black.
882	.....	♂ ad.	.....do.....	Dec. 21, 1882	
883	.....	♂ ad.	.....do.....	Dec. 21, 1882	
884	.....	♂ ad.	.....do.....	Dec. 21, 1882	
885	.....	♂ ad.	.....do.....	Dec. 21, 1882	
886	.....	♂ ad.	.....do.....	Dec. 21, 1882	
887	.....	♂ ad.	.....do.....	Dec. 21, 1882	
888	.....	♂ ad.	.....do.....	Dec. 21, 1882	
889	.....	♂ ad.	.....do.....	Dec. 21, 1882	
890	.....	♂ ad.	.....do.....	Dec. 21, 1882	
891	.....	♂ ad.	.....do.....	Dec. 21, 1882	
892	.....	♂ ad.	.....do.....	Dec. 21, 1882	
893	91447	♂ ad.	.....do.....	Dec. 21, 1882	
894	91448	♂ ad.	.....do.....	Dec. 21, 1882	
895	.....	♂ ad.	.....do.....	Dec. 21, 1882	
896	.....	♂ ad.	.....do.....	Dec. 21, 1882	
897	.....	♂ ad.	.....do.....	Dec. 21, 1882	
898	91450	♂ ad.	.....do.....	Dec. 21, 1882	
899	91451	♂ ad.	.....do.....	Dec. 21, 1882	
900	.....	♂ ad.	.....do.....	Dec. 21, 1882	
901	91452	♂ ad.	.....do.....	Dec. 21, 1882	
902	.....	♂ ad.	.....do.....	Dec. 21, 1882	
903	.....	♂ ad.	.....do.....	Dec. 21, 1882	
904	.....	♀ ad.	.....do.....	Dec. 21, 1882	

*Ægiothus linaria* L. Temm. et Schl., Faun. Japon., 1847, Aves, p. 89; Swinhoe, Ibis, 1874, p. 160; Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, 1882, p. 174.

Two specimens of this bird, apparently not taken before south of Yezo, were obtained from a bird-catcher at Tate-Yama. They had been caught with bird-lime and were in company with siskins.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
798	91439	♂ ad.	Tate-Yama, Shinshiu. ....	Nov. 21, 1882	Iris brown; bill bright yellow, tip dusky.
799	.....	♀ ad.	.....do .....	Nov. 21, 1882	

*Chrysomitris spinus* L. Temm. et Schl., Faun. Japon., 1847, Aves, p. 89; Blakiston, Ibis, 1862, p. 327; Whitely, Ibis, 1867, p. 201; Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, 1882, p. 173.

In fall and winter these birds are in large flocks in Shinshiu, and great numbers are caught with bird-lime. Not met with at Fuji.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
728	91440	♀ ad.	Tate-Yama, Shinshiu. ....	Oct. 27, 1882	Iris brown.
746	.....	♂ ad.	.....do .....	Oct. 31, 1882	
747	.....	♀ ad.	.....do .....	Oct. 31, 1882	
748	.....	♀ ad.	.....do .....	Oct. 31, 1882	
859	91441	♂ ad.	.....do .....	Dec. 9, 1882	
860	91442	♂ ad.	.....do .....	Dec. 9, 1882	

*Passer montanus* L. Temm. et Schl., Faun. Japon., 1847, Aves, p. 89; Blakiston, Ibis, 1862, p. 327; Whitely, Ibis, 1867, p. 202; Swinhoe, Ibis, 1877, p. 145; Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, 1882, p. 172.

Abundant everywhere near houses or towns, finding suitable breeding-localities in the thatched roofs of the native houses. This bird is much prized by the Japanese as a subject for screen-pictures and other ornamental purposes, and is one of the few birds that they draw pre-eminently well.

It seems to have rather a gentler disposition than its much despised relative, *domesticus*.

NOTE.—I did not meet with *P. rutilans* either at Fuji or in Shinshiu.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
442	88682	♂ ad.	Fuji-Yama .....	July 6, 1882	

*Fringilla montifringilla* L. Temm. et Schl., Fann. Japon., 1847, Aves, p. 87; Whitely, Ibis, 1867, p. 201; Swinhoe, Ibis, 1874, p. 160; Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, 1882, p. 172.

Shinshiu in autumn; not common.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
679	.....	♂ ad.	Tate-Yama, Shinshiu .....	Oct. 3, 1882	
741	.....	♀ ad.	.....do.....	Oct. 30, 1882	

*Emberiza personata* Pall. Temm. et Schl. Fann. Japon., 1847, Aves, pl. lix B, p. 99; Swinhoe, 'Ibis,' 1874, p. 161; Blakiston & Pryer, Trans. As. Soc. Japan, Vol. X. Pt. I. p. 170.

Common, breeding at Fuji early in July. Very common in Shinshiu late in autumn in reedy ditches and among rice. Nest on the ground or in a tussock of grass, made of dried grass and lined with fine roots and horse-hair. The eggs are nearly round in shape and measure 20<sup>mm</sup> by 16<sup>mm</sup>. Ground color whitish, suffused with pale lilac blotches; a few dark brown spots around the larger end and sometimes on the sides.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
505	88688	♂ ad.	Fuji-Yama .....	July 13, 1882	Iris dark brown.
520	88687	♂ ad.	.....do.....	July 14, 1882	
740	.....	♂ ad.	.....do.....	Oct. 29, 1882	

*Emberiza ciopsis* Bp. Temm. et Schl. Fann. Japon., 1847, pl. lix, p. 98, as *cioides*: Blakiston, 'Ibis,' 1862, p. 328; Whitely, 'Ibis,' 1867, p. 202; Swinhoe, 'Ibis,' 1874, p. 161; Seebohm, 'Ibis,' 1879, p. 38; Blakiston & Pryer, Trans. As. Soc. Japan, Vol. X. Pt. I. p. 168.

Abundant everywhere, found breeding at Fuji. Nest of dried grass and leaves lined with fine rootlets. Eggs are rounded or bluntly oval in shape and measure 21<sup>mm</sup> by 17<sup>mm</sup>.5. The ground color is white, with a fine sub-speckling of bluish. The larger end is covered with hair lines and blotches of black.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
304	.....	♂ ad.	Hakone .....	June 26, 1882	Iris umber brown.
458	.....	♂ ad.	Fuji-Yama .....	July 9, 1882	
470	.....	ad.	.....do.....	July 10, 1882	
494	88685	♂ ad.	.....do.....	July 12, 1882	Bill dusky, under mandible bluish.
528	88686	♀ ad.	.....do.....	July 16, 1882	
577	.....	♂ ad.	.....do.....	July 22, 1882	
582	.....	♀ ad.	.....do.....	July 23, 1882	
808	.....	♀ ad.	Tate-Yama, Shinshiu .....	Nov. 25, 1882	
872	.....	♂ ad.	.....do.....	Dec. 15, 1882	

**Emberiza variabilis** T. & S. Temm. et Schl. Faun. Japon., 1847, Aves, pl. lvi, p. 94: Swinhoe, 'Ibis,' 1875, p. 450: Blakiston & Pryer, Trans. As. Soc. Japan, Vol. X. Pt. I. p. 171.

This bird does not seem to be common. One specimen was obtained in Shinshiu in October, and I saw them again on the borders of that province at Usui Pass.

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
694	91570	♀ ad.	Tate-Yama, Shinshiu.....	Oct. 15, 1882	Iris dark brown; feet and under mandible, dusky purplish.

**Emberiza rustica** Pall. Temm. et Schl. Faun. Japon., 1847, Aves, pl. lviii, p. 97: Blakiston, 'Ibis,' 1862, p. 328: Whitely, 'Ibis,' 1867, p. 202: Swinhoe, 'Ibis,' 1874, p. 161: Blakiston & Pryer, Trans. As. Soc. Japan, Vol. X. Pt. I. p. 169.

First seen at Tate-Yama about the middle of November. Found at that time, in small flocks in the tree tops.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
788	.....	♂ ad.	Tate-Yama, Shinshiu.....	Nov. 17, 1882	Iris black.
789	91572	♀ ad.	.....do.....	Nov. 17, 1882	

**Emberiza fucata** Pall. Temm. et Schl. Faun. Japon., 1847, Aves, pl. lviii, p. 96: Blakiston, 'Ibis,' 1862, p. 328: Whitely, 'Ibis,' 1867, p. 202: Swinhoe, 'Ibis,' 1874, p. 161: Blakiston & Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I. p. 169.

Common around Fuji in summer, but not collected elsewhere.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
301	.....	♀ ad.	Ashinoyu .....	June 25, 1882	Iris dark brown.
302	88684	♀ ad.	.....do.....	June 25, 1882	
306	88683	♂ ad.	.....do.....	June 25, 1882	
308	.....	♂ ad.	.....do.....	June 26, 1882	
368	.....	♂ ad.	Fuji-Yama .....	June 30, 1882	
469	.....	♂ ad.	.....do.....	July 10, 1882	
598	.....	♀ ad.	.....do.....	July 25, 1882	

**Emberiza sulphurata** T. & S. Temm. et Schl. Faun. Japon., 1847, Aves, pl. lx, p. 100: Whitely, 'Ibis,' 1867, p. 203: Blakiston & Pryer, 'Ibis,' 1878, p. 243: Blakiston & Pryer, Trans. As. Soc. Japan, Vol. X. Pt. I. 1882, p. 171.

The commonest hunting at Fuji where it was breeding in June and early in July. Not found in Shinshiu.

Nest placed in fork of small bush, composed of grass, lined with horse-hair or the seed-stalks of moss. The eggs are nearly oval in shape and average about 15 by 19<sup>mm</sup>. They vary considerably in

ground color, some being pale brownish, others lilaceous, and have numerous blotches and spots of dark brown unevenly distributed over the entire surface.

*Young ♂, first plumage.*—Above dull grayish olive, the back more decidedly olive, and broadly streaked with black; wings dusky, the middle and greater coverts tipped with light buff, and tertials broadly edged with dull rusty. Lower parts dull yellowish buff, paler and clearer on the abdomen, tinged with fulvous across jugulum, and with olive-grayish along sides; a very indistinct dusky bridle beneath the buffy malar stripe; lores grayish, eyelids pale buff.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
318	.....	♀ ad.	Fuji-Yama .....	June 28, 1882	Iris brown, bill bluish.
328	88690	♀ ad.	do .....	June 29, 1882	
363	.....	♂ ad.	do .....	June 30, 1882	
455	.....	♂ ad.	do .....	July 8, 1882	
456	88691	♂ juv.	do .....	July 8, 1882	
457	.....	♂ ad.	do .....	July 9, 1882	
471	88689	♂ ad.	do .....	July 10, 1882	
503	.....	♂ ad.	do .....	July 13, 1882	
504	.....	♂ ad.	do .....	July 13, 1882	
527	.....	♀ ad.	do .....	July 16, 1882	
576	.....	♂ ad.	do .....	July 22, 1882	

**Accentor rubidus** T. & S. Temm. et Schl. Faun. Japon., 1847, Aves, pl. xxxii, p. 69: Whitely, 'Ibis,' 1867, p. 193: Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X. Pt. I. 1882, p. 152.

This bird was obtained on Fuji-Yama in July at an elevation of about 8,000 feet. It was generally found in the scrub willows and has a sparrow-like chirping note. Later in the season we obtained it at a much lower elevation in Shinshiu.

It does not seem to be a common bird; not more than one or two specimens are ever seen at a time.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
386	88638	♂ ad.	Fuji-Yama .....	July 2, 1882	Iris reddish brown.
575	.....	♂ ad.	do .....	July 20, 1882	
778	.....	♂ ad.	Tate-Yama .....	Nov. 10, 1882	
779	91444	♂ ad.	do .....	Nov. 10, 1882	

**Accentor erythropygius** Swinh. Seeborn, 'Ibis,' 1879, p. 34: Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X. Pt. 1 1882, p. 153.

Two specimens of this bird were obtained from Fuji. They had been prepared by natives, and were so moth-eaten that they had to be destroyed. I identified them as belonging to this species. One specimen was subsequently obtained in Shinshiu. It was shot on the summit of

Mt. Gorokudake in the Tate-Yama Range. The Japanese happily call this bird the "*iwa hibari*," "rock lark," a name which is very suggestive of the habits of the bird.

Returning from Tate-Yama late in December by way of Usui Pass, I had the pleasure of seeing three of these birds at the same time, certainly an unusual thing for birds of their solitary nature. I was descending the pass considerably in advance of my companions, when a turn in the road brought me by a partially boggy place, surrounded by rocks with water trickling over and between them. Here I saw the accentors. They were flitting around on the rocks, and seemed to be rather silent birds, simply uttering a low, soft chuckling note. They were very familiar, and allowed me to approach within about 20 feet without taking alarm.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
348	.....	♂ ad.	Fuji-Yama .....	Aug. —, 1881	Destroyed.
349	.....	♀ ad.	do .....	Aug. —, 1881	Do.
678	91443	♂ ad.	Gorokudake, Shinshiu.....	Sept. 23, 1882	Iris light brown.

*Alauda japonica* T. & S. Temm. et Schl. Faun. Japon., 1847, pl. xlvii, p. 87: Blakiston, 'Ibis,' 1862, p. 327: Whitely, 'Ibis,' 1867, p. 293: Swinhoe, 'Ibis,' 1874, 161, et 1877, p. 145: Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I. 1882: p. 167.

Abundant on the low grass hills around Hakone Lake and about Fuji. Breeding on Fuji in July.

*Young* ♀, *first plumage*—Pileum brownish black, relieved by a few narrow white crescents, the feathers being narrowly tipped with white; a very distinct superciliary stripe of white, extending continuously from bill to and around occiput; nape dull brownish buff, clouded with dusky; back and scapulars black, the feathers narrowly margined terminally with white and edged with dull buff or fulvous; wings black, the feathers broadly edged with light fulvous or clay-color, the tips of the uppermost feathers whitish. Stripe on side of head, blackish; lower parts pure white posteriorly, buffy white or pale buff anteriorly, the jugulum broadly but rather indistinctly streaked with dusky.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
307	.....	ad.	Hakone .....	June 26, 1882	Iris dark brown.
579	88657	♀ jnv.	Fuji-Yama .....	July 22, 1882	
999	91550	♂ ad.	Yubuts, Yezo .....	Sept. 15, 1882	
1000	91551	♂ ad.	Sapporo, Yezo.....	June 23, 1882	

**Corvus japonensis** Bp. Temm. et Schl. Faun. Japon., 1847, Aves, pl. xxxix B, p. 79: as *macrorhynchus*: Blakiston, 'Ibis,' 1862, p. 325: Whitely, 'Ibis,' 1867, p. 200, Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X. Pt. I. 1882, p. 141: Brit. Mus. Cat., Vol. III, p. 41.

Common about the shores of Chiussenji Lake. This bird has much harsher and more varied notes than *C. corone* and is more of a maritime species.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
664	91390	♀ ad.	Chiussenji Lake .....	Sept. 3, 1882	Iris blue-black.

**Corvus corone** L. Temm. et Schl., Faun. Japon., 1847, Aves, p. 79: Swinhoe, 'Ibis,' 1874, p. 159: Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X. Pt. I. 1882, p. 141: Brit. Mus. Cat., Vol. iii, p. 36.

Abundant everywhere inland; the only species we observed in Shinshiu.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
735	.....	♂ ad.	Tate-Yama, Shinshiu .....	Oct. 29, 1882	Iris blue-black.
811	91391	♂ ad.	.....do.....	Nov. 25, 1882	

**Nucifraga caryocatactes** L. Blakiston, 'Ibis,' 1862, p. 326: Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X. Pt. I. 1882, p. 143: Brit. Mus. Cat., Vol. III, p. 53.

We found the nut crackers on Fuji at an elevation of about 5,000 feet. They were in small flocks of eight or ten and were quite easily approached, having none of the sagacity of crows or jays. The natives give them the name "*baka-karasu*," or 'fool-crows,' on that account.

They are occasionally seen on the foot-hills at Tate-Yama in December, and are sometimes trapped.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
332	.....	♂ ad.	Fuji-Yama .....	June 29, 1882	Iris burnt amber.
333	.....	♂ ad.	.....do.....	June 29, 1882	
334	.....	♂ ad.	.....do.....	June 29, 1882	
335	.....	♀ ad.	.....do.....	June 29, 1882	
388	.....	♂ ad.	.....do.....	July 2, 1882	
389	88701	♀ ad.	.....do.....	July 2, 1882	
390	.....	♀ ad.	.....do.....	July 2, 1882	
391	88699	♂ ad.	.....do.....	July 2, 1882	
392	88700	♂ ad.	.....do.....	July 2, 1882	
426	.....	♂ ad.	.....do.....	July 4, 1882	
427	.....	♂ ad.	.....do.....	July 4, 1882	
879	91392	♂ ad.	Tate-Yama, Shinshiu .....	Dec. 17, 1882	

**Garrulus japonicus** Bp. Temm. et Schl. Faun. Japon., 1847, Aves, pl. xliii, p. 83: Swinhoe, 'Ibis,' 1877, p. 144: Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X. Pt. I. 1882, p. 144: Brit. Mns. Cat., Vol. III, p. 95.

Abundant everywhere in small flocks. Collected at Fuji, Chiusenji Lake, and in Shinshiu. Young of the year differ from adults in having the upper parts, crown, back, and wing-coverts dull rufous. The ear coverts are of the same color, thus showing a near affinity to *glandarius*. It is also worthy of notice that the iris of young birds is light blue, as in *glandarius*.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
393	88696	♂ juv.	Fuji-Yama .....	July 2, 1882	Iris bluish-white.
407	.....	♂ juv.	do. ....	July 3, 1882	
530	88695	♀ ad.	do. ....	July 17, 1882	Iris white, bill bluish, tipped with dusky; feet lilaceous.
546	88694	♂ ad.	do. ....	July 19, 1882	
601	.....	♀ juv.	do. ....	July 25, 1882	
651	.....	♀ juv.	Chiusenji Lake.	Aug. 31, 1882	
758	91389	♀ ad.	Tate-Yama, Shinshiu .....	Nov. 2, 1882	Crop contained 12 acorns.

**Cyanopoliis cyanus** Pall. Temm. et Schl. Faun. Japon., 1847, Aves, pl. xlii, p. 81: Swinhoe, 'Ibis,' 1877, p. 145: Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X. Pt. I. 1882, p. 143: Brit. Mus. Cat., Vol. III, p. 68.

Common around the base of Fuji in summer; also met with in Shinshiu as late as December.

*Young of the year.*—Differing from the adult in having the feathers of the pileum margined terminally with white, causing a hoary appearance, especially on forehead; middle and greater wing-coverts tipped with pale buff, and breast and sides clouded with dull gray.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
394	88697	♀ ad.	Fuji-Yama .....	July 2, 1882	
547	88698	♂ juv.	do. ....	July 19, 1882	

**Sturnia pyrrhogenys** T. & S. Temm. et Schl. Faun. Japon., 1847, Aves, pl. xlvi, p. 86: Blakiston, 'Ibis,' 1862, p. 327: Whitely, 'Ibis,' 1867, p. 201: Swinhoe, 'Ibis,' 1874, p. 159: Blackiston and Pryer, Trans. As. Soc. Japan, Vol. X. Pt. I. 1882, p. 146.

Taken at Fuji in summer; not very common. We saw immense flocks of this bird in the neighborhood of Kusats in September.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
443	.....	♂ ad.	Fuji-Yama .....	July 6, 1882	Iris light brown.
590	88693	♂ ad.	do. ....	July 6, 1882	

*Tchitrea princeps* T. Temm. et Schl. Faun. Japon., 1847, Aves, pl. xvii E, p. 47: Blakiston and Pryer, 'Ibis,' 1878, p. 234: idem, Trans. As. Soc. Japan, Vol. X. Pt. I. 1882, p. 148: Brit. Mus. Cat., Vol. IV, p. 361.

Very abundant around Fuji in summer, breeding from the latter part of June until the middle of July.

The flight of this bird is heavy and only sustained for short distances. It has none of the quick, nervous movements of the fly-catchers, but when flitting silently from tree to tree, or throwing itself headlong from some tall branch and catching an insect in its flight and alighting again with one long curve, it resembles a heavy-headed dart. The long tail, three times the length of the body, quite overbalances the bird and gives it this peculiar appearance when flying.

The nest is placed in the deep fork of a small tree, sometimes supported by the swaying branches of a *Wisteria*, and about 8 or 10 feet from the ground; generally near running water. It is composed of dried grass, strips of bark, and live moss, which is bound around the forks of the tree and trails down in some examples for a considerable distance below the nest.

Some nests are garnished with pieces of lichen and the whole outside surface is bound together and smoothed off with spider webs.

The nest is lined inside with fine moss roots. The eggs are rounded oval in shape and measure 20<sup>mm</sup> by 16<sup>mm</sup>. The ground tint is a delicate pinkish or cream color, and they are much speckled on the side and around the butt with lilac blotches and spots of burnt sienna.

The males do not attain the adult plumage until the third year; young males of the second year resemble the female, but are much darker and have longer tails. The colors of the soft parts of this bird are much more brilliant in life than they are represented in the 'Fauna Japonica' plate, and the fleshy ring around the eye is larger. They are as follows: Iris blue-black; eyelids and bill bright cobalt blue; tarsi and toes bluish lead color.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.	
313	88654	♂ juv.	Fuji-Yama .....	June 27, 1882	Iris blue-black.	
319	.....	♂ juv.	do .....	June 28, 1882		
339	.....	♂ ad.	do .....	June 29, 1882		
353	.....	♂ ad.	do .....	June 30, 1882		
354	.....	♂ ad.	do .....	June 30, 1882		
355	.....	♂ ad.	do .....	June 30, 1882		
356	.....	♀ ad.	do .....	June 30, 1882		
357	88653	♀ ad.	do .....	June 30, 1882		
439	88651	♂ ad.	do .....	July 5, 1882		
451	.....	♂ ad.	do .....	July 8, 1882		
452	.....	♀ ad.	do .....	July 8, 1882		
497	.....	♂ ad.	do .....	July 13, 1882		
524	88652	♀ ad.	do .....	July 15, 1882		Nest contained 3 eggs at this time. Accompanying nest and 4 eggs.
525	88655	juv.	do .....	July 15, 1882		
553	.....	♂ ad.	do .....	July 19, 1882		
554	.....	♂ ad.	do .....	July 19, 1882		
555	.....	♀ ad.	do .....	July 19, 1882		
556	.....	♂ ad.	do .....	July 19, 1882		
581	.....	♀ ad.	do .....	July 23, 1882		
622	.....	♂ ad.	do .....	July 29, 1882		
631	91278	♂ juv.	Chiusenji Lake.....	Aug. 28, 1882		

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*Pericrocotus cinereus* Lafr. Seebohm, 'Ibis,' 1879, p. 31: Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X. Pt. I. 1882, p. 149: Brit. Mus. Cat., Vol. IV, p. 83.

This bird is occasionally seen at Fuji, in small flocks, in the tree-tops. I observed it also, under similar conditions, at Chiussenji Lake. It has a loud, whistling note.

A young male, collected in the latter part of August, is in the plumage of the female, but differs in having the three innermost secondaries broadly edged with white.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
387	88656	♀ ad.	Fuji-Yama .....	July 2, 1882	
431	.....	♂ ad.	do .....	July 5, 1882	
432	.....	♀ ad.	do .....	July 5, 1882	
617	.....	♀ ad.	do .....	July 29, 1882	
628	91382	♂ juv.	Chiussenji Lake .....	Aug. 27, 1882	

*Poliomyias luteola* Pall. Temm. et Schl. Faun. Japon., 1847, Aves, pl. xvii B, p. 46, as *Muscicapa mugimaki*: Brit. Mus. Cat., Vol. iv, p. 201: Blackiston and Pryer, Trans. As. Soc. Japan, Vol. X. Pt. I. 1882, p. 148.

A single individual of this rare species was obtained in Shinshiu. This is the third specimen that has been recorded from Japan since the time of the 'Fauna Japonica.'

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
731	91373	♂ ad.	Matsumoto, Shinshiu .....	Oct. 29, 1882	Caught with bird-lime.

*Butalis latirostris* Raffles. Temm. et Schl. Faun. Japon., 1847, Aves, pl. xv, p. 42, as *M. cinerco-alba*: Blakiston, 'Ibis,' 1862, p. 317: Whitely, 'Ibis,' 1867, p. 199: Swinhoe, 'Ibis,' 1874, p. 159: Seebohm, 'Ibis,' 1879, p. 31: Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X. Pt. I. 1882, p. 147: Brit. Mus. Cat., Vol. iv, p. 127.

Very abundant at Fuji in June and July, collected also at Chiussenji and in Shinshiu in September.

Young, in first plumage; above pure white, all the feathers with dusky edgings. Wing and tail dusky. Secondaries and wing coverts broadly edged with whitish. Rump slightly tinged with brownish. Entire under parts pure glossy white.

## List of specimens.

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
341	.....	♂ ad.	Fuji-Yama .....	June 29, 1882	
351	.....	♂ ad.	do .....	June 29, 1882	
370	88634	♀ ad.	do .....	June 30, 1882	
371	88635	♂ juv.	do .....	June 30, 1882	
372	.....	♂ juv.	do .....	June 30, 1882	
419	88633	♂ ad.	do .....	July 4, 1882	Iris dark brown.
420	.....	♂ ad.	do .....	July 4, 1882	
479	.....	♂ ad.	do .....	July 11, 1882	
480	.....	♂ ad.	do .....	July 11, 1882	
481	.....	♂ ad.	do .....	July 11, 1882	
482	.....	♂ ad.	do .....	July 11, 1882	
657	91381	♂ ad.	Chiussenji Lake .....	Sept. 2, 1882	
676	.....	♂ ad.	Tate-Yama, Shinshiu .....	Sept. 27, 1882	Only one specimen seen.

*Xanthopygia cyanomelæna* T. Temm. et Schl. Faun. Japon., 1847, Aves, pl. xvii D, p. 47 ♂ as *M. melanoleuca*; pl. xvi, p. 43, ♀ as *M. gularis*; Whitely, 'Ibis,' 1867, p. 199: Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X. Pt. I. p. 147; Brit. Mus. Cat., Vol. IV, p. 251.

Common in the deep woods at Fuji, breeding early in June. Occasionally seen at Chiussenji in September.

This bird is easily attracted by imitating its mellow whistling note.

*Young in first plumage*; entire upper parts dull olive brownish; all the feathers edged with dusky, and with large ochraceous centers, thus giving the bird a very streaked and spotted appearance. Wing dusky brownish or bluish (in males); shoulder and greater wing-coverts broadly edged with ochraceous.

Under parts strongly suffused with ochraceous; all the feathers edged with dusky.

Bill brownish; mouth and base of under mandible yellow; tarsi and toes dusky yellowish; claws dusky.

## List of specimens.

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
321	.....	♂ ad.	Fuji-Yama .....	June 28, 1882	
343	.....	♂ ad.	do .....	June 29, 1882	
364	88615	♀ ad.	do .....	June 30, 1882	Iris dark brown.
379	.....	♂ juv.	do .....	July 1, 1882	
406	88617	♀ juv.	do .....	July 2, 1882	
416	.....	♂ ad.	do .....	July 3, 1882	
453	88614	♂ ad.	do .....	July 8, 1882	Iris brown.
461	.....	♀ ad.	do .....	July 19, 1882	
612	.....	♂ ad.	do .....	July 28, 1882	
613	.....	♀ ad.	do .....	July 28, 1882	
614	88616	♀ juv.	do .....	July 28, 1882	
615	.....	♂ juv.	do .....	July 28, 1882	
638	91379	♂ juv.	Chiussenji Lake .....	Aug. 30, 1882	
639	.....	♂ juv.	do .....	Aug. 30, 1882	

*Xanthopygia narcissina* T. Temm. et Schl. Faun. Japon., 1847, Aves, pl. xvii C, p. 46: Blakiston, 'Ibis,' 1862, p. 318: Swinhoe, 'Ibis,' 1874, p. 159: Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X. Pt. I. 1882, p. 148: Brit. Mus. Cat. Vol. IV, p. 249.

We found this bird abundant at Fuji in June and July. It is very shy in its habits, and frequents the deep woods.

Young in first plumage are hardly distinguishable from young *cyano-*

*nomelæna*. The coloration of the back is precisely the same; the wings are dusky. Primaries and secondaries edged with olive-brown; shoulder and wing-coverts broadly tipped with ochraceous. The under parts are much lighter than *cyanomelæna*, the throat and belly being pure white or pale yellowish, while the breast alone is suffused with ochraceous and has dusky margins to the feathers.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
326		♂ ad.	Fuji-Yama	June 28, 1882	
337		♂ ad.	do.	June 29, 1882	
338	88621	♂ ad.	do.	June 29, 1882	
344		♂ ad.	do.	June 29, 1882	
345		♂ ad.	do.	June 29, 1882	
365		♂ ad.	do.	June 30, 1882	
415		♂ ad.	do.	July 3, 1882	
441		juv.	do.	July 6, 1882	
447		♀ ad.	do.	July 6, 1882	
449	88620	♂ ad.	do.	July 6, 1882	
450		♂ ad.	do.	July 6, 1882	Iris brown.
459		♂ ad.	do.	July 10, 1882	
473		juv.	do.	July 11, 1882	
483		♂ ad.	do.	July 11, 1882	
484		♀ ad.	do.	July 11, 1882	
515		♂ ad.	do.	July 14, 1882	
516		♂ ad.	do.	July 14, 1882	
517		♂ ad.	do.	July 14, 1882	
518	88622	♀ ad.	do.	July 14, 1882	
521		♂ ad.	do.	July 14, 1882	
535		♂ ad.	do.	July 18, 1882	
536		♂ ad.	do.	July 18, 1882	
572		♂ ad.	do.	July 20, 1882	
624		♂ ad.	do.	July 30, 1882	
625	88623	♀ ad.	do.	July 30, 1882	
719	91380	♂ juv.	Tate-Yama, Shinshiu	Oct. 26, 1882	

*Picus leuconotus* Bechst. Blakiston, 'Ibis,' 1862, p. 325: Whitely, 'Ibis,' 1867, p. 195: Swinhoe, 'Ibis,' 1875, p. 451: Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X. Pt. I. p. 133.

Only met with at Chiusenji Lake, where it did not seem to be common.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
649	91326	♀	Chiusenji Lake	Aug. 31, 1882	
650		♀	do.	Aug. 31, 1882	

*Picus major japonicus* (L.) Seebohm. Blakiston, 'Ibis,' 1862, p. 325: Whitely, 'Ibis,' 1867, p. 195: Swinhoe, 'Ibis,' 1875, p. 451: Seebohm, 'Ibis,' 1879, p. 29: Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X. Pt. I. p. 132.

This is the commonest woodpecker in the mountains.

Specimens vary considerably in the amount of white in the wings and in the markings of the tail feathers. In one example the barring of the tail is almost obsolete, and in most of our specimens only the two central tail feathers are entirely black. This peculiarity has been remarked on before, but in a large series of specimens from Shinshiu

this is the rule, only two specimens in the lot having the four central feathers black.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.	
347	.....	♂ ad.	Fuji-Yama .....	June 29, 1882	Iris venetian red.	
396	88704	.....	do .....	July 2, 1882		
397	.....	♂ ad.	do .....	July 2, 1882		
425	88703	.....	do .....	July 4, 1882		
462	.....	.....	do .....	July 10, 1882		
493	.....	.....	do .....	July 12, 1882		
596	.....	juv.	do .....	July 24, 1882		
648	.....	♂ ad.	Chiusenji Lake .....	Aug. 31, 1882		
672	91327	♂ ad.	do .....	Sept. 6, 1882		
700	.....	♂ ad.	Tate-Yama, Shinshiu .....	Oct. 17, 1882		Iris bright reddish brown; bill and feet dusky. Iris dark brown.
718	.....	♂ ad.	do .....	Oct. 25, 1882		
755	.....	♂ ad.	do .....	Nov. 2, 1882		
772	.....	♂ ad.	do .....	Nov. 7, 1882		
792	91328	♂ ad.	do .....	Nov. 17, 1882		
793	.....	♂ ad.	do .....	Nov. 17, 1882		
803	91329	♂ ad.	do .....	Nov. 20, 1882		
840	91330	♂ ad.	do .....	Dec. 4, 1882		
865	91331	♂ ad.	do .....	Dec. 12, 1882		
866	91332	♂ ad.	do .....	Dec. 12, 1882		
878	.....	♂ ad.	do .....	Dec. 17, 1882		

**Picus kisuki** T. & S. Temm. et Schl. Faun. Japon., 1847, Aves, pl. xxxvii, p. 74: Blakiston, 'Ibis,' 1862, p. 325: Swinhoe, 'Ibis,' 1875, p. 451: Seebohm, 'Ibis,' 1879, p. 29: Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X. Pt. I. p. 134.

This bird was not common at Fuji, but became tolerably so in Shinshiu in autumn and winter.

It almost invariably accompanies flocks of tits, associating with them in perfect harmony.

On moving from tree to tree they utter the warning cry "gee'd," "gee'd," but whether the tits follow the woodpecker, or *vice versa*, I was unable to ascertain with certainty.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
314	88705	♂ ad.	Fuji-Yama .....	June 28, 1882	Iris reddish brown.
317	.....	♂ ad.	do .....	June 28, 1882	
369	.....	♂ ad.	do .....	June 30, 1882	
698	91333	♂ ad.	Tate-Yama, Shinshiu .....	Oct. 17, 1882	
780	91334	♂ ad.	do .....	Nov. 13, 1882	
800	.....	♂ ad.	do .....	Nov. 20, 1882	
801	91426	♂ ad.	do .....	Nov. 20, 1882	
822	.....	♂ ad.	do .....	Nov. 30, 1882	
822½	91427	♂ ad.	do .....	Nov. 30, 1882	
832	.....	♂ ad.	do .....	Dec. 3, 1882	
868	.....	♂ ad.	do .....	Dec. 14, 1882	

**Gecinus awokera** T & S. Temm. et Schl. Faun. Japon., 1847, Aves, pl. xxxvi, p. 72: Blakiston and Pryer, 'Ibis,' 1878, p. 229: Blakiston & Pryer, Trans. As. Soc. Japan, Vol. X. Pt. I. p. 136.

Not obtained at Fuji. Early in autumn these birds are commonly found on magnolia trees, but later in the season they seem to frequent the *Cryptomeria* groves.

Fresh colors of this bird are as follows: Iris venetian red; bill dark greenish, base lemon yellow; tarsi and toes dull olive green.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
699	91428	♀ ad.	Tate-Yama, Shinshiu. ....	Oct. 17, 1882	Stomach contained berries.
703	91429	♀	do. ....	Oct. 19, 1882	
744	.....	♀ ad.	do. ....	Oct. 31, 1882	Iris venetian red.
752	91430	ad.	do. ....	Nov. 2, 1882	
753	.....	ad.	do. ....	Nov. 2, 1882	
802	.....	ad.	do. ....	Nov. 21, 1882	

**Cuculus hyperythrus** Gould=**pastoralis** Cab.=**spaveroides** Vigors apud Schrenck, =**fugax** Horsfield. Seebohm, 'Ibis,' 1879, p. 28: Seebohm, 'Ibis,' 1878, p. 227: Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X. Pt. I. 1882, p. 131.

We observed this species at Fuji. One specimen was obtained at Chiusenji in September. They have no note at this season except a faint, wheezy sort of whistle.

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
669	91387	♂ ad.	Chiusenji Lake .....	Sept. 6, 1882	Iris dark brown; bill dusky, under mandible greenish yellow; naked space around eye lemon yellow; tarsi, toes, and claws bright lemon yellow.

**Cuculus himalayanus** Vigors. Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X. Pt. I. 1882, p. 131.

We did not succeed in getting any Cuckoos at Fuji, although we frequently heard the notes of several species. They are so constantly hunted by the natives for medicinal purposes that it is impossible to approach them in the breeding season. At Chiusenji we occasionally saw them flitting silently through the trees along the lake shore.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
637	91386	♂ ad.	Chiusenji Lake.....	Aug. 29, 1882	Iris orange; upper mandible black, lower mandible greenish-yellow; mouth orange-red; tarsi and toes bright chrome; claws dusky.

*Alcedo bengalensis* Gm. Temm. et Schl. Faun. Japon., 1847, Aves, pl. xxxviii, p. 76: Blakiston, 'Ibis,' 1862, p. 325: Whitely, 'Ibis,' 1867, p. 196: Swinhoe, 'Ibis,' 1874, p. 152: Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X. Pt. I. 1882, p. 136.

Common in all suitable localities both at Fuji and Shinshiu. Also seen at Chiusenji Lake.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
433	.....	♂ ad.	Fuji-Yama .....	July 5, 1882	
434	88706	♀ juv.	do .....	July 5, 1882	
653	91394	♂ ad.	Tate-Yama, Shinshiu.....	Oct. 13, 1882	
697	.....	♂ ad.	do .....	Oct. 17, 1882	

*Halcyon coromanda* Bodd. Temm. et Schl. Faun. Japon., 1847, Aves, pl. xxxix, p. 75: Seebohm, 'Ibis,' 1879, p. 29: Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X. Pt. I. 1882, p. 137.

We only met with this bird at Chiusenji Lake, where we shot a single specimen. We were told by the natives that they were common at the lake during the summer months.

NOTE.—We saw the large black and white kingfisher, *Ceryle guttata*, at Tate-Yama up to the time we left, the latter part of December, and were told that they remained all winter. It is found in the wildest mountain streams and gorges, and is exceedingly wary. We did not succeed in getting specimens.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
670	91393	♂ ad.	Chiusenji Lake.....	Sept. 6, 1882	Bill, tarsi, and toes coral red.

*Caprimulgus jotaka* T. & S. Temm. et Schl. Faun. Japon., 1847, Aves, pl. xii et xiii, p. 37: Whitely, 'Ibis,' 1867, p. 195: Swinhoe, 'Ibis,' 1876, p. 331: Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X. Pt. I. 1882, p. 140.

Abundant at Fuji, where their cry, "*chuck, chuck, chuck,*" was constantly heard in the still evening air, and sometimes before daybreak in the morning. We frequently saw them flying around the lake shore at Chiusenji, and observed them occasionally in Shinshiu up to the end of October. At this time they are silent, and are only obtained by disturbing them in their resting places in the daytime.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
414	.....	♂ ad.	Fuji-Yama .....	July 3, 1882	Iris, deep blue-black.
435	.....	♂ ad.	do .....	July 5, 1882	
548	.....	♀ ad.	do .....	July 19, 1882	
602	88702	♂ ad.	do .....	July 26, 1882	
635	.....	♀ ad.	Chiusenji Lake.....	Aug. 28, 1882	
730	91388	♀ ad.	Tate-Yama, Shinshiu .....	Oct. 28, 1882	

**Scops semitorques** Schleg. Temm. et Schl. Faun. Japon., 1847, Aves, pl. viii, p. 24; Swinhoe, Ibis, 1875, p. 448; Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X. Pt. I. 1882, p. 179; Brit. Mus. Cat., Vol. II, p. 83.

Two specimens of this bird were obtained in Shinshiu. They had been caught in nets.

This is the only species of owl that we succeeded in collecting. Considering the nature of the country we were in, the variety of owls was indeed remarkable.

In the deep woods above Chiussenji Lake I saw a very light colored specimen of *Syrnium rufescens*. I was attracted by the noisy chattering of a flock of jays, and on approaching saw a large owl sitting on a burnt stump. In the gloom of the forest I at first took it to be a snowy owl. The jays were flying around him, screeching and jawing in noisy excitement, and every now and then one would fly at him. I was unable to approach near enough to get a shot on account of the denseness of the underbrush. While I stood watching this bloodless battle he quietly flew off with his tormentors following him.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
733	91406	♀ ad.	Matsumoto Shinshiu .....	Oct. 29, 1882	Iris bright chrome.
734	.....	♀ ad.	.....do .....	Oct. 29, 1882	

**Pernis ptilonorhynchus** (Temm.).

*Pernis apivorus*, Temm. et Schl. Faun. Japon., 1847, Aves, p. 24; Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X. Pt. I. 1882, p. 183; Brit. Mus. Cat. Vol. I. pp. 344 to 347.

One specimen, an adult male, was shot at Chiussenji.

We saw this bird circling around mountain peaks, on two occasions during our stay at the lake, and were informed by the natives that they were common every year in the mountains about Nikko and Chiussenji. I am not sure that this information is reliable, however, because they confound this species with *Spizaëtus nipalensis* and call them both "*Kuma taka*."

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
666	91403	♂ ad.	Chiussenji Lake.....	Sept. 4, 1882	Iris bright yellow, inclining to orange on the outer edge.

*Milvus melanotis* T. & S. Temm. et Schl. Faun. Japon., 1847, Aves, pl. v. et v. B, p. 14: Blakiston, 'Ibis,' 1862, p. 314: Whitely, 'Ibis,' 1867, p. 194: Swinhoe, 'Ibis,' 1874, p. 150: Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, 1882, p. 181: Brit. Mus. Cat., Vol. I, p. 324.

Kites are rarely seen in the interior. A few resort to Chiusenji Lake in summer.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
668	91421	♂ ad.	Chiusenji Lake.....	Sept. 4, 1882	Iris umber brown.

*Accipiter gularis* T. & S. Temm. et Schl. Faun. Japon., 1847, Aves, pl. ii, p. 5: Swinhoe, 'Ibis,' 1863, p. 443: Seebohm, 'Ibis,' 1879, p. 42: Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, 1882, p. 184: Brit. Mus. Cat., Vol. I, 150.

This is the commonest species of hawk in Shinshiu. A fine series, comprising male, female, and young, were obtained in October and November. At this season, when they are migrating, large numbers are taken by the natives in nets and also with bird-lime.

They are very plucky in the pursuit of game, often attacking birds almost as large and strong as themselves. On such occasions they pay little heed to an observer. I have seen one of these birds in hot pursuit of a large woodpecker (*P. japonicus*), which only escaped through the friendly shelter of a large pine. The average measurement of the wing in nine adult males is 168<sup>mm</sup> (162<sup>mm</sup> to 173<sup>mm</sup>), and the tarsus 48<sup>mm</sup> (46<sup>mm</sup> to 49<sup>mm</sup>).

Young males average in the wing 166<sup>mm</sup> (161<sup>mm</sup> to 171<sup>mm</sup>), and tarsus 48<sup>mm</sup> (46<sup>mm</sup> to 49<sup>mm</sup>).

The adult female measures 193<sup>mm</sup> in the wing, and 52<sup>mm</sup> in the tarsus.

Young females average in the wing 189<sup>mm</sup> (184<sup>mm</sup> to 194<sup>mm</sup>), and tarsus 50<sup>mm</sup> (50<sup>mm</sup> to 52<sup>mm</sup>).

None of this series of male adults are as bright on the flanks as the example figured in the "Fauna Japonica."

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
704	91409	♀ juv.	Matsumoto, Shinshiu. ....	Oct. 23, 1882	
705	91410	♂ ad.	do .....	Oct. 23, 1882	
707	.....	♂ ad.	do .....	Oct. 23, 1882	
708	91411	♂ ad.	do .....	Oct. 23, 1882	Iris orange, bill dusky, tarsi and toes chrome.
709	.....	♂ juv.	do .....	Oct. 23, 1882	Iris lemon yellow.
710	.....	♂ ad.	do .....	Oct. 23, 1882	
711	91412	♂ juv.	do .....	Oct. 23, 1882	Iris chrome.
712	.....	♂ ad.	do .....	Oct. 23, 1882	
713	91413	♂ ad.	do .....	Oct. 23, 1882	
714	91414	♂ ad.	do .....	Oct. 23, 1882	
737	.....	♂ juv.	do .....	Oct. 29, 1882	
738	91415	♂ juv.	do .....	Oct. 29, 1882	
759	91416	♂ ad.	do .....	Nov. 4, 1882	
760	.....	♂ ad.	do .....	Nov. 4, 1882	
761	91417	♂ ad.	do .....	Nov. 4, 1882	
762	91418	♂ juv.	do .....	Nov. 4, 1882	
763	.....	♂ juv.	do .....	Nov. 4, 1882	
764	.....	♂ juv.	do .....	Nov. 4, 1882	
766	91419	♂ juv.	do .....	Nov. 4, 1882	
767	.....	♂ juv.	do .....	Nov. 4, 1882	
768	.....	♂ juv.	do .....	Nov. 4, 1882	
770	.....	♂ juv.	do .....	Nov. 5, 1882	
771	91420	♀ juv.	do .....	Nov. 5, 1882	

**Accipiter nisus** L. Temm. et Schl. Faun. Japon., 1847, p. 5: Blakiston, 'Ibis,' 1862, p. 314: Whitely, 'Ibis,' 1867, p. 194: Seebohm, 'Ibis,' 1879, p. 42: Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, 1882, p. 183: Brit. Mus. Cat., Vol. I, p. 132.

Two specimens, an adult female and young male, were obtained in Shinshiu. They were both taken in nets by the natives. The young male resembles the young female of *gularis*, but is much lighter in color, more rufous on the crown and back, and lacks the streaking of the breast of *gularis*.

Measurements are, wing, 211<sup>mm</sup>; tarsus, 53<sup>mm</sup>.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
736	91408	♂ juv.	Matsumoto, Shinshiu .....	Oct. 29, 1882	Iris chrome yellow.
785	91407	♀ ad.	.....do.....	Nov. 15, 1882	

**Astur palumbarius** L. Seebohm, 'Ibis,' 1879, p. 42: Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, 1882, p. 183: Brit. Mus. Cat., Vol. I, p. 95.

Obtained in Shinshiu in October. Not common. This specimen was caught in a net.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
706	91404	♂ ad.	Matsumoto, Shinshiu .....	Oct. 23, 1882	Iris brilliant cadmium yellow; bill horn color, base bluish; cere dark greenish; tarsi and toes chrome.

**Butastur indicus** Gm. Seebohm, 'Ibis,' 1879, p. 42: Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, 1882, p. 183: Brit. Mus. Cat., Vol. I, p. 297.

Observed at Fuji; breeding very late. Young in the down taken about the middle of July.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
557	88707	♀ ad.	Fuji-Yama .....	July 19, 1882	Iris chrome; cere, tarsi, and toes ochre; tip of bill black.
578	88708	♂ pullus.	.....do.....	July 22, 1882	

Young of No. 557. Iris dark amber, bill and feet same as adult.

*Buteo japonicus* T. & S. Temm. et Schl. Fann. Japon., 1847, Aves, pl. vii B. p. 20: Blakiston and Pryer, 'Ibis,' 1878, p. 248: Seebohm, 'Ibis,' 1879, p. 41: Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, 1882, p. 182: Brit. Mus. Cat., Vol. I, 180.

Two specimens, both in the light phase of plumage, were collected in Shinshiu. One of them was caught with bird-lime.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
784	91405	♂ ad.	Matsumoto, Shinshiu .....	Nov. 15, 1882	
858	91596	♀ ad.	Tate-Yama, Shinshiu .....	Dec. 9, 1882	

*Treron sieboldii* Temm. Temm. et Schl. Fann. Japon., 1847, Aves, pl. lx, D, p. 102: Whitely, 'Ibis,' 1867, p. 204: Swinhoe, 'Ibis,' 1875, p. 452: Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, 1882, p. 129.

We found this beautiful pigeon tolerably abundant at Fuji, but exceedingly shy. They were feeding almost entirely at that time on wild cherries. We observed them in Shinshiu as late as October 26. They are sometimes caught in that province in the nets described under the heading of *Hypsipites amaurotis*.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
331	88711	♀ ad.	Fuji-Yama .....	June 29, 1882	Iris golden yellow.
549	88710	♂ ad.	.....do .....	July 19, 1882	Bill blue, tip dull horny-
550	.....	♂ ad.	.....do .....	July 19, 1882	bluish, naked space
551	.....	♂ ad.	.....do .....	July 19, 1882	around eye blue; tarsi and
552	.....	♂ ad.	.....do .....	July 19, 1882	toes lilac.

*Turtur gelastes* Temm. Temm. et Schl. Fann. Japon., 1847, Aves, pl. lx, B, p. 100: Whitely, 'Ibis,' 1867, p. 204, as *rupicola*: Swinhoe, 'Ibis,' 1874, p. 162: Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, 1882, p. 129.

Common everywhere; breeding at Fuji. Also taken in the neighborhood of Tate-Yama.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
600	88709	♂ juv.	Fuji-Yama .....	July 25, 1882	Iris yellow ochre; eyelids and feet purplish; bill dusky.

*Phasianus versicolor* Vieill. Temm. et Schl. Fann. Japon., 1847, Aves, p. 104: Swinhoe, 'Ibis,' 1875, p. 452: Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, 1882, p. 126.

We obtained green pheasants at all the localities in which we collected, but did not find them abundant anywhere. A nest and eight eggs were taken at Fuji in July; young chicks were also obtained

about the same time. These are very prettily mottled on the back with dark-brown, chocolate, and salmon color; head yellow, with a central stripe of dark brown. A triangular patch of chocolate covers the orifice of the ear. Under parts pale yellow, breast with a tinge of brownish.

*List of specimens.*

Original number.	Museum number.	Sex.	Localities.	Date.	Remarks.
408	88713	Pullus.	Fuji-Yama .....	July 3, 1882	
409		♂ pullus.	.....do.....	July 3, 1882	
410		Pullus.	.....do.....	July 3, 1882	
411	88714	Pullus.	.....do.....	July 3, 1882	
412	88715	♀ pullus.	.....do.....	July 3, 1882	
777		♀ ad.	Tate-Yama, Shinshiu .....	Nov. 10, 1882	Iris sienna brown.
796		♂ ad.	.....do.....	Nov. 21, 1882	Iris bright chrome; bare
841		♀ ad.	.....do.....	Dec. 4, 1882	space around eye deep
847		♂ ad.	.....do.....	Dec. 6, 1882	crimson.

*Phasianus scemmeringii* T. Temm. et Schl. Faun. Japon., 1847, Aves. p. 104; Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. 1, 1882, p. 126.

Found in the same localities as the preceding, but appears to range higher up the mountains than that species. Collected at Fuji, Chiu-senji, and in Shinshiu.

*List of specimens.*

Original number.	Museum number.	Sex.	Localities.	Date.	Remarks.
413	88712	♂ ad.	Fuji-Yama .....	July 3, 1882	Iris bright chestnut; lower eyelid pure white; bare space around eye crimson.

*Lagopus* sp. Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. 1, 1882, p. 127.

Ptarmigan were said to be abundant in Shinshiu, being found on most of the high peaks of the Tate-Yama range.

We did not succeed in getting any specimens, although feathers were seen and identified. The summits of most of the peaks are very rugged. Broken masses of rock with crevasses and overhanging ledges bar the way. These are covered with a kind of dwarf pine the roots of which form a network over and around the rocks, leaving many sheltered places underneath. In these places the ptarmigan find protection in cold weather, where, of course, it is impossible to follow them.

In summer we were told by the natives that they were very abundant and tame, and quantities of them are killed for offerings at the mountain shrines.

These birds are popularly believed to be under the special protection of the God of Thunder, and no mountain on which they are found will be subject to violent thunder-storms. Hence they are held in high veneration by the natives.

Through the kindness of Captain Blakiston I have been able to examine two specimens, an adult and a young in first plumage, which

were obtained in Shinshiu in summer, through Mr. I. Arai, chief of the Survey Department.

The general plumage of the adult is dusky, all the feathers are closely barred with ochraceous. Middle of breast and belly white. No line through the eye. Wing pure white, the primaries with black shaft lines; tail black. This specimen measures, wing 180<sup>mm</sup>, tarsus 36<sup>mm</sup>, middle toe without nail 28<sup>mm</sup>, culmen 15<sup>mm</sup>, depth of bill 7<sup>mm</sup>.

Young in first plumage: Upper parts rich chestnut brown and dusky. All the feathers of the back with large white tips. Wing and tail barred with yellow and dusky. Sides of head, throat, and belly pale yellow. Crown and line from the bill rich chocolate brown. This bird, occurring in such an isolated region, is probably a localized race, but in default of adequate descriptions and specimens for comparison I have been unable to identify the species.

*Ægialitis placida* Gray. Swinhoe, 'Ibis,' 1874, p. 162: Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, 1882, p. 107.

Occasionally seen on the dry river courses and on the lake shore in autumn.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
667	91401	♂ ad.	Chiussenji Lake .....	Sept. 5, 1882	Iris black; bill black; base of lower mandible yellow; tarsi and toes pale flesh color; joints greenish.
754	.....	.....	Tate-Yama, Shinshiu .....	Nov. 2, 1882	

*Scolopax rusticula* L. Temm. et Schl. Faun. Japon., 1847, Aves, p. 112: Whitely, 'Ibis,' 1867, p. 206: Swinhoe, 'Ibis,' 1877, p. 145: Seebohm, 'Ibis,' 1879, p. 26: Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, 1882, p. 113.

Obtained in Shinshiu in the autumn. These birds are netted by the natives.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
732	91395	♀ ad.	Matsumoto, Shinshiu .....	Oct. 29, 1882	
765	91396	♂ ad.	.....do.....	Nov. 4, 1882	

*Gallinago australis* Lath. Blakiston, 'Ibis,' 1863, p. 100: Swinhoe, 'Ibis,' 1863, p. 444, et 1874, p. 163: Seebohm, 'Ibis,' 1879, p. 26: Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, 1882, p. 114.

A single specimen was collected in Shinshiu. It is a female and apparently a young bird, as the measurements are considerably under the average for this species. The wing measures 140<sup>mm</sup>, bill 64<sup>mm</sup>, and tarsus 35<sup>mm</sup>.

This specimen was shot in a paddy field with the common snipe, and was the only one observed.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
701	91397	♀	Tate-Yama, Shinshiu .....	Oct. 19, 1882	Iris dark brown.

*Gallinago solitaria* Hodg. Temm. et Schl. Faun. Japon., 1847, Aves, pl. lxxviii, p. 112; Swinhoe, 'Ibis,' 1877, p. 146; Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X, Pt. I, 1882, p. 114.

Found in Shinshiu as late as the middle of December. They frequent marshy places, the banks of streams, or any soft boggy ground, but are not found in paddies. They resemble the woodcock in their habits more than the true snipe.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
782	91298	♀ ad.	Matsumoto, Shinshiu .....	Nov. 15, 1882	Iris very dark brown; bill lilaceous, tip dusky; legs pale olive yellowish.
846	91399	♀ ad.	Tate-Yama, Shinshiu .....	Dec. 6, 1882	
877	91590	♂ ad.	.....do .....	Dec. 18, 1882	Iris dark umber brown.

*Totanus incanus* Gm. Temm. et Schl. Faun. Japon., 1847, Aves, pl. lxx., p. 109; as *pulverulentus*: Whitely, 'Ibis,' 1867, p. 205, as *pulverulentus*: Swinhoe, 'Ibis,' 1874, p. 163, et 1875, p. 453; Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X. Pt. I. 1882, p. 109.

A single specimen was obtained from a bird shop at Matsumoto.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
783	91400	♀ ad.	Matsumoto, Shinshiu .....	Nov. 15, 1882	

*Ardea cinerea* L. Temm. et Schl. Faun. Japon., 1847, Aves, p. 114; Swinhoe, 'Ibis,' 1876, p. 335; Blakiston and Pryer, Trans. As. Soc., Japan, Vol. X. Pt. I. 1882, p. 118.

A single specimen of this bird was collected at Chiusenji Lake in September. Unfortunately it was so badly shot that it could not be preserved; the head and legs only being saved for identification.

*Rallus indicus* Blyth. Temm. et Schl. Faun. Japon., 1847, Aves, p. 122, as *aquaticus*: Whitely, 'Ibis,' 1867, p. 206, as *aquaticus*: Swinhoe, 'Ibis,' 1874, p. 163; Blakiston and Pryer, 'Ibis,' 1878, p. 225; Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X. Pt. I. 1882, p. 122.

We did not meet with this bird in the interior in a wild state, but they undoubtedly occur there, as a specimen was obtained from a bird shop at Matsumoto.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
880	91402	♂ ad.	Matsumoto, Shinshiu .....	Dec. 21, 1882	Iris reddish-brown; bill dusky-purple, under mandible reddish; legs lilaceous.

*Anas zonorhyncha* Swinhoe. Temm. et Schl. Faun. Japon., 1847, Aves, pl. lxxxii, p. 126, as *poëtilorhyncha* (hybrida): Swinhoe, 'Ibis,' 1874, p. 164: Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X. Pt. I. 1882, p. 96.

Found on Chiussenji Lake in August.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
632	91454	♀ ad.	Chiussenji Lake.....	Aug. 28, 1882	

*Aix galericulata* (L.) Temm. et Schl. Faun. Japon., 1847, Aves, p. 127: Swinhoe, 'Ibis,' 1875, p. 457: Blakiston and Pryer, Trans. As. Soc. Japan, Vol. X. Pt. I. 1882, p. 97.

Found in quite large flocks on the lakes in the interior, in autumn. They also frequent the paddies with *Querquedula crecca*.

*List of specimens.*

Original number.	Museum number.	Sex.	Locality.	Date.	Remarks.
702	91453	♂ juv.	Tate-Yama, Shinshiu .....	Oct. 19, 1882	Iris black, with a narrow margin of yellow; bill pinkish-lilac; nail horn color; tarsi and toes chrome.

**ON A COLLECTION OF SHELLS SENT FROM FLORIDA BY MR. HENRY HEMPHILL.**

**By W. H. DALL.**

The marine fauna of the American coast south from Cape Hatteras and thence to the Mexico-Texan border is at present less known than that of any other part of the coast of North America. Every contribution\* toward bettering our information possesses a certain value, even

\* In the preparation of this list the following publications have been consulted, beside others of a more general nature:

CATALOGUE OF THE MARINE SHELLS OF FLORIDA, by W. W. Calkins. [Ext. Davenport Acad. Nat. Sciences, 1878, pp. 232-252, with errata and two short supplementary lists.]

LIST OF THE MOLLUSCA obtained in South Carolina and Florida, principally in the