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Ixodidae) from *Zoothera dauma* (Latham) (Aves)
in Kyushu, Japan

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**Record of *Haemaphysalis flava* Neumann (Acari, Ixodidae) from
Zoothera dauma (Latham) (Aves) in Kyushu, Japan¹⁾**

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Ticks feeding on vertebrate's blood are of medical and veterinary importance because they are vectors for various diseases. Knowledge of host associations and fauna is therefore essential in studying the tick-borne diseases and in tick-control efforts.

On March 19, 1981, Koichi Takeno (the junior author) found a White's thrush, *Zoothera dauma* (Latham, 1790) just after death caused by collision with a windowpane on the grounds of Hikosan Biological Laboratory, Kyushu University. Moreover, he collected a nymph of *Haemaphysalis flava* Neumann, 1897 attached to the bird. This is the second record of *H. flava* from *Z. dauma*.

Haemaphysalis flava is distributed in Hokkaido, Honshu, Shikoku, Kyushu, and Korea. It is considered a parasite of a number of mammal and bird hosts (Yamaguti, *et al.*, 1971). Records of *H. flava* from birds are shown in Table 1.

Asanuma *et al.* (1955) first recorded *Z. dauma* as a host of nymphal *H. flava* without the site of capture specified. They described that birds were parasitized only by immature forms, but mammals by all stages. Our observation was also consistent with their description.

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Table 1. Records of *Haemaphysalis flava* from birds.

Host [Japanese name]	References
Order Falconiformes	
Accipitridae	
1. <i>Milvus migrans</i> (Boddaert, 1783) [Tobi]	(F)
2. <i>Accipiter gularis</i> (Temminck & Schlegel, 1844) [Tsumi]	(A)
Order Galliformes	
Phasianidae	
3. <i>Bambusicola thoracica</i> (Temminck, 1815) [Kojukei]	(A)
4. <i>Phasianus soemmerringii</i> Temminck, 1830 [Yamadori]	(A; B)
5. <i>Phasianus colchicus</i> Linnaeus, 1758 [Kiji]	(A; B; C; D; E)
Order Columbiformes	
Columbidae	
6. <i>Streptopelia orientalis</i> (Latham, 1790) [Kijibato]	(E)
Order Strigiformes	
Strigidae	
7. <i>Otus lempiji</i> (Horsfield, 1821) [Ôkonohazuku]	(H)
Order Passeriformes	
Motacillidae	
8. <i>Motacilla cinerea</i> Tunstall, 1771 [Kisekirei]	(A)
9. <i>Anthus hodgsoni</i> Richmond, 1907 [Binzui]	(G; H)
Turdidae	
10. <i>Erithacus akahige</i> (Temminck, 1835) [Komadori]	(G)
11. <i>Zoothera dauma</i> (Latham, 1790) [Toratsugumi]	(A)
12. <i>Turdus sibiricus</i> Pallas, 1776 [Mamijiro]	(G)
13. <i>Turdus cardis</i> Temminck, 1831 [Kurotsugumi]	(A; H)
14. <i>Turdus chrysolais</i> Temminck, 1831 [Akahara]	(A)
15. <i>Turdus celaenops</i> Stejneger, 1887 [Akakokko]	(A)
16. <i>Turdus pallidus</i> Gmelin, 1789 [Shirohara]	(A; G)
17. <i>Turdus obscurus</i> Gmelin, 1789 [Mamityajinai]	(H)
Sylviidae	
18. <i>Cettia diphone</i> (Kittlitz, 1831) [Uguisu]	(H)
Aegithalidae	
19. <i>Aegithaloides caudatus</i> (Linnaeus, 1758) [Enaga]	(A)
Paridae	
20. <i>Parus ater</i> Linnaeus, 1758 [Higara]	(A)
21. <i>Parus varius</i> Temminck & Schlegel [Yamagara]	(H)
22. <i>Parus major</i> Linnaeus, 1758 [Shijûkara]	(A; G)
Emberizidae	
23. <i>Emberiza cioides</i> Brandt, 1843 [Hôjiro]	(A; H)
24. <i>Emberiza rustica</i> Pallas, 1776 [Kashiradaka]	(A; G)
25. <i>Emberiza elegans</i> Temminck, 1835 [Miyamahôjiro]	(A)
26. <i>Emberiza spodocephala</i> Pallas, 1776 [Aoji]	(D; G; H)
27. <i>Emberiza variabilis</i> Temminck, 1835 [Kuroji]	(G; H)
Corvidae	
28. <i>Garrulus glandarius</i> (Linnaeus, 1758) [Kakesu]	(A; D)

A --- Asanuma *et al.*, 1955; B --- Asanuma, 1956; C --- Asanuma *et al.*, 1956; D --- Saito, 1959; E --- Saito *et al.*, 1965; F --- Fujita & Takada, 1977; G --- Miyamoto *et al.*, 1993; H --- Ishiguro *et al.*, 1997. Both scientific and Japanese names follow Morioka *et al.* (1997).

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