

A List of the Family Staphylinidae (Insecta: Coleoptera) Collected during the Biological Expedition to the Kamchatka Peninsula and the North Kuril Islands in 1996 and 1997

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Abstract One hundred and five species, which belong to the eight subfamilies of the family Staphylinidae, are recorded from the Kamchatka Peninsula and North Kuril Islands, Russia.

Key words: Insecta, Coleoptera, Staphylinidae, Kamchatka Peninsula, Kuril Islands, list.

In this paper, a list of the family Staphylinidae is reported on the basis of the specimens collected during the Biological Expedition of the Natural History Museum and Institute, Chiba to the Kamchatka Peninsula and the North Kuril Islands in 1996 and 1997. Although this report is just fragmentary in understanding the staphylinid fauna of the Kamchatka Peninsula and the North Kuril Islands, we would like to hope that it makes a stimulus for staphylinidologists to study them taxonomically and/or biogeographically.

Material and Methods

The specimens examined here were collected by the members of the expedition as follows: Ryoichi B. Kuranishi in the survey of 1996; Ryoichi B. Kuranishi, Akiko Saito, Tomoyuki Komai, and Takayuki Odajima in the survey of 1997. These specimens were mounted by Ryoichi B. Kuranishi and Akiko Saito. After sorting them, they were identified by Shun-Ichiro Naomi except for the subfamilies Aleocharinae and Steninae; Aleocharinae were identified by Munetoshi Maruyama, and the most of *Stenus* species were done by Dr. Volker Puthz. It is very difficult, thus also probably inappropriate, for two (Naomi and Maruyama) of us to identify all

the Staphylinidae excluding Steninae at the species level, because there are lots of morphologically similar species in most of the genera treated here; they should be dealt with in such studies as revisions in the future. Thus, the identification of each species goes to a certain categorical rank to which we can confirm it (e. g.: genus sp.; tribe sp.; subfamily sp.). All the staphylinids will be preserved in the Natural History Museum and Institute, Chiba.

In the field surveys the staphylinids were collected mainly by the following methods, (1) by looking, (2) by sweeping the flower, (3) by sweeping the leaves at the wood or glassland, (4) by overturning the stones, (5) by sweeping or sifting the debris and deadleaves (mainly of ditch reed) at the littoral zone along the stream or the side of lake, with aquatic net, (6) by overturning the sea algae, and (7) by dissecting the dead fishes: *Salvelinus malma malma* (Walbaum) and *Oncorhynchus nerka* (Walbaum).

List of the family Staphylinidae

In the following list, 105 species are recorded from Kamchatka and the North Kuril Islands, and these are classified into eight subfamilies as follows: seven species (Omaliinae), 16 (Tachyporinae), 43 (Aleocharinae), three

(Oxytelinae), three (Oxyporinae), 12 (Steninae), four (Paederinae), and 17 (Staphylininae). These staphylinids consist of 654 specimens, and they are classified in number as follows: 98 specimens (Omaliinae), 134 (Tachyporinae), 178 (Aleocharinae), 11 (Oxytelinae), nine (Oxyporinae), 84 (Steninae), 12 (Paederinae), 128 (Staphylininae).

Subfamily Omaliinae

1. *Eusphalerum* sp.

Material examined. **Kamchatka:** 66 exs., Mt. Vachkazhets (alt. 470 m), upper part of Takhkoloch River Basin of Plotnikova, 3. Viii. 1997, A. Saito leg.; 1 ex., same locality (alt. 550 m), 1. Viii. 1997, A. Saito leg.; 8 exs., Poperechnaya River (alt. 320 m), Bystraya River Basin 17 km from main road, 27. Vii. 1997, A. Saito leg.; 3 exs., Bystraya River, 10. Vii. 1997, A. Saito leg.; 1 ex., Tikhayia River (alt. 40 m), ca 30 km from Petropavlovsk-Kamchatskiy, 9. Vii. 1997, A. Saito leg.; CBM-ZI 81156–81234.

2. Omaliinae sp. 1

Material examined. **Kamchatka:** 2 exs., Mt. Vachkazhets (alt. 550 m), upper part of Takhkoloch River Basin of Plotnikova, 4. Viii. 1997, T. Komai leg.; 1 ex., same locality, 4. Viii. 1997, A. Saito leg.; 1 ex., same locality, 1. Viii. 1997, T. Komai leg.; 1 ex., Poperechnaya River (alt. 320 m), Bystraya River Basin 17 km from main road, 29. Vii. 1997, A. Saito & R. B. Kuranishi leg.; CBM-ZI 81087–81091.

3. Omaliinae sp. 2

Material examined. **Kamchatka:** 4 exs., Inlet small stream, Azhabach'ye Lake (left side), 13. Vii. 1996, R. B. Kuranishi leg.; CBM-ZI 81092–81095.

4. Omaliinae sp. 3

Material examined. **Kamchatka:** 1 ex., Inlet small stream, Azhabach'ye Lake (left side), 13. Vii. 1996, R. B. Kuranishi leg.; CBM-ZI 81096.

5. Omaliinae sp. 4

Material examined. **Kamchatka:** 4 exs., Inlet small stream, Azhabach'ye Lake (left side), 13. Vii. 1996, R. B. Kuranishi leg.; CBM-ZI

81097–81100.

North Kuril Islands: 1 ex., Lake Bolshoye (alt. 15 m), Shumshu I., 22. Vii. 1997, A. Saito leg.; CBM-ZI 81101.

6. Omaliinae sp. 5

Material examined. **Kamchatka:** 1 ex., Poperechnaya River (alt. 320 m), Bystraya River Basin 17 km from main road, 29. Vii. 1997, A. Saito & R. B. Kuranishi leg.; 1 ex., Mt. Vachkazhets (alt. 550 m), Upper part of Takhkoloch River Basin of Plotnikova, 4. Viii. 1997, A. Saito leg.; 1 ex., Inlet small stream, Azhabach'ye Lake (left side), 13. Vii. 1996, R. B. Kuranishi leg.; CBM-ZI 81102–81104.

7. Omaliinae sp. 6

Material examined. **North Kuril Islands:** 1 ex., 3–8 km south of Severo-Kuril'sk (alt. 5–30 m), Paramushir I., 13. Vii. 1997, A. Saito leg.; CBM-ZI 81105.

Subfamily Tachyporinae

8. *Ischnosoma* sp. 1

Material examined. **Kamchatka:** 11 exs., Poperechnaya River (alt. 320 m), Bystraya River Basin 17 km from main road, 29. Vii. 1997, A. Saito & R. B. Kuranishi leg.; 2 exs., same locality, 28. Vii. 1997, A. Saito leg.; CBM-ZI 81246–81258.

North Kuril Islands: 1 ex., Shelekhovo-Shimoyur River (alt. 0–100 m), Paramushir I., 17. Vii. 1997, A. Saito leg.; CBM-ZI 81259.

9. *Ischnosoma* sp. 2

Material examined. **Kamchatka:** 1 ex., Inlet small stream, Azhabach'ye Lake (left side), 13. Vii. 1996, R. B. Kuranishi leg.; 4 exs., Poperechnaya River (alt. 320 m), Bystraya River Basin 17 km from main road, 29. Vii. 1997, A. Saito & R. B. Kuranishi leg.; CBM-ZI 81260–81264.

10. *Ischnosoma* sp. 3

Material examined. **Kamchatka:** 1 ex., Poperechnaya River (alt. 320 m), Bystraya River Basin 17 km from main road, 29. Vii. 1997, A. Saito & R. B. Kuranishi leg.; CBM-ZI 81265.

North Kuril Islands: 1 ex., Lake Bol'shoye, Shumshu I., 22. Vii. 1997, A. Saito leg.; CBM-ZI 81266.

11. *Mycetoporus* sp. 1

Material examined. **Kamchatka:** 2 exs., Mt. Vachkazhets (alt. 550 m), upper part of Takhkoloch River Basin of Plotnikova, 4. Viii. 1997, A. Saito leg.; 1 ex., same locality, 3. Viii. 1997, A. Saito leg.; CBM-ZI 81267–81269.

12. *Mycetoporus* sp. 2

Material examined. **North Kuril Islands:** 1 ex., Lake Bol'shoye (alt. 15 m), Shumshu I., 21. Vii. 1997, A. Saito leg.; CBM-ZI 81270.

13. *Bryophacis* sp.

Material examined. **Kamchatka:** 3 exs., Mt. Vachkazhets (alt. 550 m), upper part of Takhkoloch River Basin of Plotnikova, 4. Viii. 1997, A. Saito leg.; CBM-ZI 81271–81273.

14. *Lordithon* sp. 1

Material examined. **Kamchatka:** 3 exs., Poperechnaya River (alt. 320 m), Bystraya River Basin 17 km from main road, 29. Vii. 1997, A. Saito & R. B. Kuranishi leg.; 2 exs., Djakonovskoje Lake, near Azhabach'ye Lake, 14. Vii. 1996, R. B. Kuranishi leg.; CBM-ZI 81274–81278.

North Kuril Islands: 1 ex., 4 km north of Severo-Kuril'sk (alt. 100 m), Paramushir I., 24. Vii. 1997, A. Saito leg.; 1 ex., Matrosskaya River (alt. 30–128 m), near Severo-Kuril'sk, Paramushir I., 12. Vii. 1997, A. Saito leg.; CBM-ZI 81279–81280.

15. *Lordithon* sp. 2

Material examined. **Kamchatka:** 1 ex., Poperechnaya River (alt. 320 m), Bystraya River Basin 17 km from main road, 29. Vii. 1997, A. Saito & R. B. Kuranishi leg.; 2 exs., Biological Station near Azhabach'ye Lake, 12. Vii. 1996, R. B. Kuranishi leg.; 1 ex., 14 km south of Paratunka, 7. Vii. 1997, A. Saito leg.; CBM-ZI 81281–81284.

16. *Lordithon* sp. 3

Material examined. **Kamchatka:** 5 exs., Mt. Vachkazhets (alt. 550 m), upper part of Takhkoloch River Basin of Plotnikova, 4. Viii. 1997, A. Saito leg.; CBM-ZI 81286–81290.

North Kuril Islands: 2 exs., Shelekhovo-Medvezhiy Waterfall (alt. 0–10 m), Paramushir I., 18. Vii. 1997, A. Saito leg.; 3 exs., Shele-

khovo (alt. 1 m), Paramushir I., 20. Vii. 1997, A. Saito leg.; 1 ex., same locality, 19. Vii. 1997, R. B. Kuranishi leg.; 1 ex., Matrosskaya River, near Severo-Kuril'sk, Paramushir I., 11. Vii. 1997, A. Saito leg.; CBM-ZI 81291–81297.

17. *Bolitobius* cf. *princeps* Sharp

Material examined. **Kamchatka:** 1 ex., Mt. Vachkazhets (alt. 470 m), upper part of Takhkoloch River Basin of Plotnikova, 3. Viii. 1997, A. Saito leg.; CBM-ZI 81285.

18. *Sepedophilus* sp.

Material examined. **Kamchatka:** 1 ex., 5 km south of Paratunka (alt. 120 m), 7. Vii. 1997, A. Saito leg.; CBM-ZI 81379.

19. *Tachyporus* sp.

Material examined. **Kamchatka:** 6 exs., Mt. Vachkazhets (alt. 550 m), upper part of Takhkoloch River Basin of Plotnikova, 4. Viii. 1997, A. Saito leg.; 1 ex., same locality, 1. Viii. 1997, A. Saito leg.; 4 exs., Bystraya River Basin 30 km north of Ganaly (alt. 390 m), 30. Vii. 1997, A. Saito leg.; 1 ex., 14 km south of Paratunka, 7. Vii. 1997, A. Saito leg.; 1 ex., Poperechnaya River (alt. 320 m), Bystraya River Basin 17 km from main road, 27. Vii. 1997, T. Odajima leg.; 1 ex., same locality, 28. Vii. 1997, A. Saito leg.; 19 exs., same locality, 29. Vii. 1997, A. Saito & R. B. Kuranishi leg.; CBM-ZI 81298–81330.

20. *Tachinus elongatus* Gyllenhal

Material examined. **North Kuril Islands:** 6 exs., Mt. Ebeko (alt. 710–960 m), Paramushir I., 14. Vii. 1997, A. Saito leg.; CBM-ZI 81358–81363.

Remarks. These individuals of the species were walking on the surface of snow.

21. *Tachinus* cf. *pallipes* Gravenhorst

Material examined. **Kamchatka:** 12 exs., Poperechnaya River (alt. 320 m), Bystraya River Basin 17 km from main road, 29. Vii. 1997, A. Saito & R. B. Kuranishi leg.; 1 ex., Mt. Vachkazhets (alt. 550 m), upper part of Takhkoloch River Basin of Plotnikova, 4. Viii. 1997, A. Saito leg.; CBM-ZI 81364–81376.

North Kuril Islands: 1 ex., Severo-Kuril'sk, Paramushir I., 11. Vii. 1997, A. Saito leg.; CBM-ZI 81377.

22. *Tachinus* sp. 1

Material examined. **Kamchatka:** 3 exs., Poperechnaya River (alt. 320 m), Bystraya River Basin 17 km from main road, 28. Vii. 1997, A. Saito leg.; 1 ex., same locality, 27. Vii. 1997, T. Komai leg.; 9 exs., same locality, 29. Vii. 1997, A. Saito & R. B. Kuranishi leg.; 1 ex., 5 km west of Mt. Vilyuchinsky (alt. 154 m), 7. Vii. 1997, A. Saito leg.; 1 ex., 5 km south of Paratunka (alt. 120 m), 7. Vii. 1997, A. Saito leg.; CBM-ZI 81331–81345.

North Kuril Islands: 12 exs., Mt. Ebeko (alt. 710–960 m), Paramushir I., 14. Vii. 1997, A. Saito leg.; CBM-ZI 81346–81357.

23. *Tachinus* sp. 2

Material examined. **Kamchatka:** 1 ex., 5 km west of Mt. Viljuchinsky (alt. 154 m), 7. Vii. 1997, A. Saito leg.; CBM-ZI 81378.

Subfamily Aleocharinae

24. *Paramblopusa* sp.

Material examined. **North Kuril Islands:** 2 exs., Shelekhovo-Shimoyur River (alt. 0–100 m), Paramushir I., 17. Vii. 1997, A. Saito leg.; CBM-ZI 76759–76760.

25. *Gyrophæna* sp.

Material examined. **Kamchatka:** 1 ex., Poperechnaya River (alt. 320 m), Bystraya River Basin 17 km from main road, 29. Vii. 1997, A. Saito & R. B. Kuranishi leg.; CBM-ZI 81490.

26. *Falagria* sp.

Material examined. **North Kuril Islands:** 1 ex., Lake Bol'shoye (alt. 15 m), Shumshu I., 21. Vii. 1997, A. Saito leg.; CBM-ZI 81491.

27. *Geostiba* sp.

Material examined. **Kamchatka:** 3 exs., Poperechnaya River (alt. 320 m), Bystraya River Basin 17 km from main road, 29. Vii. 1997, A. Saito & R. B. Kuranishi leg.; 1 ex., Mt. Vachkazhets (alt. 470 m), upper part of Takhkoloch River Basin of Plotnikova, 3. Viii. 1997, A. Saito leg.; 1 ex., same locality (alt. 550 m), 1. Viii. 1997, A. Saito leg.; CBM-ZI 81515–81519.

North Kuril Islands: 1 ex., Matrosskaya

River (alt. 30–128 m), near Severo-Kuril'sk, Paramushir I., 12. Vii. 1997, A. Saito leg.; CBM-ZI 81520.

28. *Atheta (Psammotiba)* sp.

Material examined. **North Kuril Islands:** 2 exs., 3–8 km south of Severo-Kuril'sk (alt. 5–30 m), Paramushir I., 13. Vii. 1997, A. Saito leg.; 2 exs., Severo-Kuril'sk, Paramushir I., 14. Vii. 1997, T. Komai leg.; 2 exs., same locality, 11–25. Vii. 1997, T. Komai leg.; 10 exs., Shelekhovo-Shimoyur River (alt. 0–100 m), Paramushir I., 17. Vii. 1997, A. Saito leg.; 1 ex., Shelekhovo-Medvezhiy Waterfall (alt. 0–10 m), Paramushir I., 18. Vii. 1997, A. Saito leg.; CBM-ZI 81437–81453.

29. *Athetini* sp. 1

Material examined. **North Kuril Islands:** 1 ex., Lake Bol'shoye (alt. 15 m), Shumshu I., 22. Vii. 1997, R. B. Kuranishi leg.; CBM-ZI 81380.

30. *Athetini* sp. 2

Material examined. **North Kuril Islands:** 1 ex., Lake Bol'shoye (alt. 15 m), Shumshu I., 22. Vii. 1997, A. Saito leg.; CBM-ZI 81381.

31. *Athetini* sp. 3

Material examined. **North Kuril Islands:** 1 ex., Matrosskaya River (alt. 30–128 m), near Severo-Kuril'sk, Paramushir I., 12. Vii. 1997, A. Saito leg.; CBM-ZI 81382.

32. *Athetini* sp. 4

Material examined. **Kamchatka:** 1 ex., Inlet small stream, Azhabach'ye Lake (left side), 13. Vii. 1996, R. B. Kuranishi leg.; CBM-ZI 81383.

33. *Athetini* sp. 5

Material examined. **Kamchatka:** 2 exs., Poperechnaya River (alt. 320 m), Bystraya River Basin 17 km from main road, 29. Vii. 1997, A. Saito & R. B. Kuranishi leg.; 1 ex., same locality, 28. Vii. 1997, A. Saito leg.; 1 ex., Mt. Vachkazhets (alt. 550 m), upper part of Takhkoloch River Basin of Plotnikova, 4. Viii. 1997, A. Saito leg.; 1 ex., Inlet small stream, Azhabach'ye Lake (left side), 13. Vii. 1996, R. B. Kuranishi leg.; 1 ex., Djakonovskoye Lake near Azhabach'ye Lake, 14. Vii. 1996, R. B. Kuranishi leg.; CBM-ZI 81384–

81389.

North Kuril Islands: 1 ex., Matrosskaya River (alt. 30–128 m), near Severo-Kuril'sk, Paramushir I., 12. Vii. 1997, A. Saito leg.; 2 exs., 4 km north of Severo-Kuril'sk (alt. 100 m), Paramushir I., 24. Vii. 1997, A. Saito leg.; CBM-ZI 81390–81392.

34. *Athetini* sp. 6

Material examined. **North Kuril Islands:** 3 exs., Lake Bol'shoye, Shumshu I., 22. Vii. 1997, A. Saito leg.; CBM-ZI 81393–81395.

35. *Athetini* sp. 7

Material examined. **Kamchatka:** 1 ex., 5 km west of Mt. Vilyuchinsky (alt. ca. 154 m), 3. Vii. 1996, R. B. Kuranishi leg.; CBM-ZI 81396.

36. *Athetini* sp. 8

Material examined. **Kamchatka:** 1 ex., Inlet small stream, Azhabach'ye Lake (left side), 13. Vii. 1996, R. B. Kuranishi leg.; CBM-ZI 81397.

37. *Athetini* sp. 9

Material examined. **North Kuril Islands:** 1 ex., Lake Bol'yhoye (alt. 15 m), Shumshu I., 21. Vii. 1997, A. Saito leg.; CBM-ZI 81398.

38. *Athetini* sp. 10

Material examined. **North Kuril Islands:** 1 ex., Lake Bol'shoye (alt. 15 m), Shumshu I., 22. Vii. 1997, R. B. Kuranishi leg.; CBM-ZI 81399.

39. *Athetini* sp. 11

Material examined. **Kamchatka:** 1 ex., Inlet small stream, Azhabach'ye Lake (left side), 13. Vii. 1996, R. B. Kuranishi leg.; CBM-ZI 81400.

40. *Athetini* sp. 12

Material examined. **North Kuril Islands:** 1 ex., 4 km north of Severo-Kuril'sk (alt. 100 m), Paramushir I., 24. Vii. 1997, A. Saito leg.; CBM-ZI 81401.

41. *Athetini* sp. 13

Material examined. **North Kuril Islands:** 8 exs., Shelekhovo-Medvezhiy Waterfall (alt. 0–10 m), Paramushir I., 18. Vii. 1997, A. Saito leg.; CBM-ZI 81402–81409.

42. *Athetini* sp. 14

Material examined. **North Kuril Islands:** 3 exs., Shelekhovo-Medvezhiy Waterfall (alt. 0–10 m), Paramushir I., 18. Vii. 1997, A. Saito leg.; CBM-ZI 81410–81412.

43. *Athetini* sp. 15

Material examined. **Kamchatka:** 1 ex., 5 km south of Paratunka (alt. 120 m), 7. Vii. 1997, A. Saito leg.; CBM-ZI 81413.

North Kuril Islands: 1 ex., Shelekhovo-Shimoyur River (alt. 0–100 m), Paramushir I., 17. Vii. 1997, A. Saito leg.; CBM-ZI 81414.

44. *Athetini* sp. 16

Material examined. **North Kuril Islands:** 1 ex., Shelekhovo-Shimoyur River (alt. 0–100 m), Paramushir I., 17. Vii. 1997, A. Saito leg.; CBM-ZI 81415.

45. *Athetini* sp. 17

Material examined. **Kamchatka:** 1 ex., Poperechnaya River (alt. 320 m), Bystraya River Basin 17 km from main road, 27. Vii. 1997, T. Odajima leg.; CBM-ZI 81416.

46. *Athetini* sp. 18

Material examined. **North Kuril Islands:** 2 exs., Lake Bol'shoye (alt. 15 m), Shumshu I., 22. Vii. 1997, A. Saito leg.; 1 ex., same locality, 22. Vii. 1997, R. B. Kuranishi leg.; 2 exs., same locality, 21. Vii. 1997, A. Saito leg.; CBM-ZI 81417–81421.

47. *Athetini* sp. 19

Material examined. **North Kuril Islands:** 1 ex., Shelekhovo (alt. 1 m), Paramushir I., 20. Vii. 1997, A. Saito leg.; 2 exs., Shelekhovo-Shimoyur River (alt. 0–100 m), Paramushir I., 17. Vii. 1997, A. Saito leg.; 1 ex., Shelekhovo-Medvezhiy Waterfall (alt. 0–10 m), Paramushir I., 18. Vii. 1997, A. Saito leg.; 2 exs., Lake Bol'shoye (alt. 15 m), Shumshu I., 22. Vii. 1997, A. Saito leg.; 1 ex., same locality, 22. Vii. 1997, R. B. Kuranishi leg.; 2 exs., same locality, 21. Vii. 1997, A. Saito leg.; 1 ex., Matrosskaya River (alt. 30–128 m), near Severo-Kuril'sk, Paramushir I., 12. Vii. 1997, A. Saito leg.; CBM-ZI 81422–81431.

48. Athetini sp. 20

Material examined. **Kamchatka:** 1 ex., Mt. Vachkazhets, upper part of Takhkoloch River Basin of Plotnikova, 3. Viii. 1997, A. Saito leg.; CBM-ZI 81432.

North Kuril Islands: 1 ex., Shelekhovo-Medvezhiy Waterfall, Paramushir I., 18. Vii. 1997, A. Saito leg.; CBM-ZI 81433.

49. Athetini sp. 21

Material examined. **Kamchatka:** 1 ex., 5 km west of Mt. Vilyuchinsky (alt. 154 m), 7. Vii. 1997, A. Saito leg.; CBM-ZI 81434.

50. Athetini sp. 22

Material examined. **Kamchatka:** 1 ex., Poperechnaya River (alt. 320 m), Bystraya River Basin 17 km from main road, 27. Vii. 1997, T. Odajima leg.; CBM-ZI 81435.

51. Athetini sp. 23

Material examined. **North Kuril Islands:** 1 ex., 3 km south of Severo-Kuril'sk (alt. 0–10 m), Paramushir I., 12. Vii. 1997, A. Saito leg.; CBM-ZI 81436.

52. Acrostiba sp.

Material examined. **Kamchatka:** 13 exs., Mt. Vachkazhets (alt. 470 m), upper part of Takhkoloch River Basin of Plotnikova, 3. Viii. 1997, A. Saito leg.; 2 exs., Poperechnaya River (alt. 320 m), Bystraya River Basin 17 km from main road, 29. Vii. 1997, A. Saito leg.; 1 ex., Bystraya River Basin 30 km north of Ganaly (alt. 390 m), 30. Vii. 1997, A. Saito leg.; CBM-ZI 81499–81514.

53. Oxypoda sp. 1

Material examined. **Kamchatka:** 15 exs., Poperechnaya River (alt. 320 m), Bystraya River Basin 17 km from main road, 29. Vii. 1997, A. Saito & R. B. Kuranishi leg.; 4 exs., same locality, 28. Vii. 1997, A. Saito leg.; 1 ex., same locality, 27. Vii. 1997, T. Komai leg.; 1 ex., Mt. Vachkazhets (alt. 550 m), upper part of Takhkoloch River Basin of Plotnikova, 4. Viii. 1997, A. Saito leg.; 1 ex., 5 km west of Mt. Vilyuchinsky (alt. ca. 111 m), 3. Vii. 1996, R. B. Kuranishi leg.; CBM-ZI 81454–81475.

54. Oxypoda sp. 2

Material examined. **Kamchatka:** 1 ex., Poperechnaya River (alt. 320 m), Bystraya River Basin 17 km from main road, 29. Vii. 1997, A. Saito & R. B. Kuranishi leg.; CBM-ZI 81476.

North Kuril Islands: 1 ex., 3–8 km south of Severo-Kuril'sk (alt. 5–30 m), Paramushir I., 13. Vii. 1997, A. Saito leg.; CBM-ZI 81477.

55. Oxypoda sp. 3

Material examined. **North Kuril Islands:** 1 ex., Lake Bol'shoye (alt. 15 m), Shumshu I., 21. Vii. 1997, A. Saito leg.; 1 ex., Shelekhovo (alt. 1 m), Paramushir I., 20. Vii. 1997, A. Saito leg.; CBM-ZI 81478–81479.

56. Oxypoda sp. 4

Material examined. **Kamchatka:** 2 exs., Mt. Vachkazhets (alt. 550 m), upper part of Takhkoloch River Basin of Plotnikova, 4. Viii. 1997, A. Saito leg.; 1 ex., same locality, 1. Viii. 1997, A. Saito leg.; CBM-ZI 81480–81482.

57. Oxypoda sp. 5

Material examined. **Kamchatka:** 1 ex., Poperechnaya River, Bystraya River Basin 17 km from main road, 29. Vii. 1997, A. Saito & R. B. Kuranishi leg.; 1 ex., Mt. Vachkazhets (alt. 550 m), upper part of Takhkoloch River Basin of Plotnikova, 1. Viii. 1997, A. Saito leg.; CBM-ZI 81483–81484.

58. Oxypoda sp. 6

Material examined. **Kamchatka:** 1 ex., Poperechnaya River, Bystraya River Basin 17 km from main road, 27. Vii. 1997, T. Odajima leg.; CBM-ZI 81485.

North Kurile Islands: 1 ex., 4 km north of Severo-Kuril'sk (alt. 100 m), Paramushir I., 24. Vii. 1997, A. Saito leg.; CBM-ZI 81486.

59. Oxypoda sp. 7

Material examined. **Kamchatka:** 1 ex., Inlet small stream, Azhabach'ye Lake (left side), 13. Vii. 1996, R. B. Kuranishi leg.; CBM-ZI 81487.

North Kuril Islands: 2 exs., Lake Bol'yhoye, Shumshu I., 21. Vii. 1997, A. Saito leg.; CBM-ZI 81488–81489.

**60. *Drusilla canaliculata puncticollis*
Motschulsky**

Material examined. **Kamchatka:** 1 ex., Poperechnaya River (alt. 320 m), Bystraya River Basin from main road, 28. Vii. 1997, A. Saito leg.; 2 exs., same locality, 27. Vii. 1997, T. Odajima leg.; 3 exs., Bystraya River Basin 30 km north of Ganaly (alt. 390 m), 30. Vii. 1997, A. Saito leg.; 1 ex., Tikhayia River ca. 30 km from Petropavlovsk-Kamchatskiy (alt. 40 m), 9. Vii. 1997, T. Komai leg.; CBM-ZI 81492–81498.

61. *Emplenota puetzi* Assing

Material examined. **North Kuril Islands:** 10 exs., Shelekhovo-Medvezhiy Waterfall (alt. 0–10 m), Paramushir I., 18. Vii. 1997, A. Saito leg.; CBM-ZI 81521–814530.

Remarks. This halophilous species is recently described by Assing (1995) based on the specimens from the Sakhalin, Kamchatka and Primorskiy Kray, Russia. The above record is the first from Paramushir Island.

62. *Triochara nubis* Assing

Material examined. **North Kuril Islands:** 2 exs., Shelekhovo (alt. 10 m), Paramushir I., 19. Vii. 1997, A. Saito leg.; 1 ex., same locality, 19. Vii. 1997, R. B. Kuranishi leg.; 9 exs., Shelekhovo-Medvezhiy Waterfall (alt. 0–10 m), Paramushir I., 18. Vii. 1997, A. Saito leg.; CBM-ZI 81532–81543.

Remarks. This halophilous species is recently described by Assing (1995) based on the specimens from Sakhalin and Kamchatka, Russia. The above record is the first from Paramushir Island.

63. *Aleochara (Coprochara) verna* Say

Material examined. **Kamchatka:** 1 ex., Nagornyi near Petropavlovsk-Kamchatskiy, 10. Vii. 1997, A. Saito leg.; CBM-ZI 81531.

64. Aleocharinae sp. 1

Material examined. **Kamchatka.** 9 exs., Bystraya River, 10. Vii. 1997, A. Saito leg.; CBM-ZI 81544–81552.

65. Aleocharinae sp. 2

Material examined. **Kamchatka:** 1 ex., Mt. Vachkazhets (alt. 420 m), upper part of Ta-

khkoloch River Basin of Plotnikova, 3. Viii. 1997, A. Saito leg.; 1 ex., Poperechnaya River (alt. 320 m), Bystraya River Basin 17 km from main road, 27. Vii. 1997, A. Saito leg.; CBM-ZI 81553–81554.

66. Aleocharinae sp. 3.

Material examined. **Kamchatka:** 1 ex., Mt. Vachkazhets (alt. 470 m), upper part of Takhkoloch River Basin of Plotnikova, 3. Viii. 1997, A. Saito leg.; 2 exs., Lotnaya River (river side) near Azhabach'ye Lake, 12. Vii. 1996, R. B. Kuranishi leg.; CBM-ZI 81555–81557.

Subfamily Oxytelinae

67. *Anotylus* sp. 1

Material examined. **Kamchatka:** 4 exs., Poperechnaya River, Bystraya River Basin 17 km from main road, 29. Vii. 1997, A. Saito & R. B. Kuranishi leg.; CBM-ZI 81235–81238.

North Kuril Islands: 1 ex., 4 km north of Severo-Kuril'sk (alt. 100 m), Paramushir I., 24. Vii. 1997, A. Saito leg.; 1 ex., Lake Bol'shoie, Shumshu I., 22–23. Vii. 1997, A. Saito & R. B. Kuranishi leg.; CBM-ZI 81239–81240.

68. *Anotylus* sp. 2

Material examined. **North Kuril Islands:** 1 ex., Lake Bol'shoie (alt. 15 m), Shumshu I., 22. Vii. 1997, A. Saito leg.; CBM-ZI 81241.

69. *Ochtheophilus* sp.

Material examined. **North Kuril Islands:** 4 exs., Shelekhovo-Medvezhiy Waterfall (alt. 0–10 m), Paramushir I., 18. Vii. 1997, A. Saito leg.; CBM-ZI 81242–81245.

Subfamily Oxyporinae

**70. *Oxyporus (Oxyporus) cf. basiventris*
Jarrige**

Material examined. **Kamchatka:** 4 exs., Bystraya River, 10. Vii. 1997, A. Saito leg.; CBM-ZI 83516–83519.

71. *Oxyporus* sp. 1

Material examined. **Kamchatka:** 2 exs., Bystraya River, 10. Vii. 1997, A. Saito leg.; 1 ex., Poperechnaya River (alt. 320 m), Bystraya River Basin 17 km from main road, 29.

Vii. 1997, A. Saito leg.; CBM-ZI 83520–83522.

72. *Oxyporus* sp. 2

Material examined. **Kamchatka:** 2 exs., Poperechnaya River (alt. 320 m), Bystraya River Basin 17 km from main road, 29. Vii. 1997, A. Saito leg.; CBM-ZI 83523–83524.

Subfamily Steninae

73. *Stenus (Stenus) comma* LeConte

Material examined. **Kamchatka:** 1 ex., Poperechnaya River (alt. 320 m), Bystraya River Basin 17 km from main road, 27. Vii. 1997, T. Komai leg.; CBM-ZI 83441.

**74. *Stenus (Stenus) innuptus*
Eppelsheim**

Material examined. **North Kuril Islands:** 1 ex., Shelekhovo-Shimoyur River (alt. 0–100 m), Paramushir Is., 17. Vii. 1997, A. Saito leg.; CBM-ZI 83449.

75. *Stenus (Stenus) juno* Paykull

Material examined. **Kamchatka:** 1 ex., Bystraya River Basin 30 km north of Ganaly (alt. 390 m), 30. Vii. 1997, A. Saito leg.; 2 exs., Inlet small stream, Azhabach'ye Lake (left side), 13. Vii. 1996, R. B. Kuranishi leg.; CBM-ZI 83450–83452.

76. *Stenus (Stenus) sauteri* Bernhauer

Material examined. **Kamchatka:** 4 exs., Inlet small stream, Azhabach'ye Lake (left side), 13. Vii. 1996, R. B. Kuranishi leg.; CBM-ZI 83442–83445.

**77. *Stenus (Stenus) fasciculatus*
Sahlberg**

Material examined. **Kamchatka:** 2 exs., Inlet small stream, Azhabach'ye Lake (left side), 13. Vii. 1996, R. B. Kuranishi leg.; CBM-ZI 83453–83454.

78. *Stenus (Nestus) boops* Ljungh

Material examined. **Kamchatka:** 3 exs., Djakonovskoje Lake near Azhabach'ye Lake, 14. Vii. 1996, R. B. Kuranishi leg.; CBM-ZI 83513–83515.

79. *Stenus (Nestus) mammops* Casey

Material examined. **Kamchatka:** 18 exs., In-

let small stream, Azhabach'ye Lake (left side), 13. Vii. 1996, R. B. Kuranishi leg.; CBM-ZI 83483–83500.

80. *Stenus (Nestus) ageus* Casey

Material examined. **Kamchatka:** 9 exs., Inlet small stream, Azhabach'ye Lake (left side), 13. Vii. 1996, R. B. Kuranishi leg.; 3 exs., Djakonovskoje Lake near Azhabach'ye Lake, 14. Vii. 1996, R. B. Kuranishi leg.; CBM-ZI 83501–83512.

**81. *Stenus (Tesus) immarginatus*
Mäklin**

Material examined. **Kamchatka:** 2 exs., Inlet small stream, Azhabach'ye Lake (left side), 13. Vii. 1996, R. B. Kuranishi leg.; 1 ex., Mt. Vachkazhets (alt. 550 m), upper part of Takholoch River Basin of Plotnikova, 4. Viii. 1997, A. Saito leg.; CBM-ZI 83446–83448.

**82. *Stenus (Hemistenus) niveus*
Fauvel**

Material examined. **Kamchatka:** 2 exs., Djakonovskoje Lake near Azhabach'ye Lake, 14. Vii. 1996, R. B. Kuranishi leg.; 1 ex., Bystraya River (riverside), 70 km north of Malki, 7. Vii. 1996, R. B. Kuranishi leg.; CBM-ZI 83477–83479.

**83. *Stenus (Hemistenus) cf. depressus*
Puthz**

Material examined. **Kamchatka:** 2 exs., Inlet small stream, Azhabach'ye Lake (left side), 13. Vii. 1996, R. B. Kuranishi leg.; CBM-ZI 83480–83481.

North Kuril Islands: 1 ex., Severo-Kuril'sk, Paramushir I., 11. Vii. 1997, A. Saito leg.; CBM-ZI 83482.

**84. *Stenus (Hypostenus) plicipennis*
Casey**

Material examined. **Kamchatka:** 22 exs., Djakonovskoje Lake near Azhabach'ye Lake, 14. Vii. 1996, R. B. Kuranishi leg.; CBM-ZI 83455–83476.

Subfamily Paederinae

85. *Lathrobium cf. monilicorne* Sharp

Material examined. **Kamchatka:** 1 ex., Inlet small stream, Azhabach'ye Lake (left side),

13. Vii. 1996, R. B. Kuranishi leg.; CBM-ZI 83532.

86. *Lathrobium* sp. 1

Material examined. **Kamchatka:** 1 ex., Petropavlovsk-Kamchatskiy, 9–10. Vii. 1997, T. Komai leg.; 1 ex., 5 km west of Mt. Vilyuchinsky (alt. 154 m), 7. Vii. 1997, A. Saito leg.; 2 exs., 5 km south of Paratunka (alt. 120 m), 7. Vii. 1997, A. Saito leg.; 1 ex., Inlet small stream, Azhabach'ye Lake (left side), 13. Vii. 1996, R. B. Kuranishi leg.; 2 exs., Mt. Vachkazhets (alt. 470 m), upper part of Takhkoloch River Basin of Plotnikova, 3. Viii. 1997, A. Saito leg.; CBM-ZI 83525–83531.

87. *Lathrobium* sp. 2

Material examined. **North Kuril Islands:** 1 ex., Severo-Kuril'sk, Paramushir I., 11–25. Vii. 1997, T. Komai leg.; CBM-ZI 83533.

88. *Lathrobium* sp. 3

Material examined. **Kamchatka:** 1 ex., 5 km west of Mt. Vilyuchinsky (alt. 154 m), 7. Vii. 1997, A. Saito leg.; 1 ex., Mt. Vachkazhets (alt. 550–730 m), upper part of Takhkoloch River Basin of Plotnikova, 2. Viii. 1997, A. Saito leg.; CBM-ZI 83534–83535.

North Kuril Islands: 1 ex., Shelekhovo-Medvezhiy Waterfall (alt. 0–10 m), Paramushir I., 18. Vii. 1997, A. Saito leg.; CBM-ZI 83536.

Subfamily Staphylininae

89. *Atrecus pilicornis* (Paykull)

Material examined. **Kamchatka:** 6 exs., Mt. Vachkazhets (alt. 470 m), upper part of Takhkoloch River Basin of Plotnikova, 3. Viii. 1997, A. Saito leg.; 2 exs., same locality (alt. 550 m), 1. Viii. 1997, A. Saito leg.; 1 ex., Poperchnaya River (alt. 320 m), Bystraya River Basin 17 km from main road, 29. Vii. 1997, A. Saito leg.; CBM-ZI 80965–80973.

90. *Philonthus (Philonthus) nudus* Sharp

Material examined. **North Kuril Islands:** 10 exs., Shelekhovo-Shimoyur River (alt. 0–100 m), Paramushir I., 17. Vii. 1997, A. Saito leg.; 5 exs., Shelekhovo-Medvezhiy Waterfall (alt. 0–10 m), Paramushir I., 18. Vii. 1997, A.

Saito leg.; 10 exs., Shelekhovo (alt. 10 m), Paramushir I., 19. Vii. 1997, A. Saito leg.; 9 exs., same locality, 19. Vii. 1997, R. B. Kuranishi leg.; 3 exs., same locality, 20. Vii. 1997, A. Saito leg.; 1 ex., Severo-Kuril'sk, Paramushir I., 11–25. Vii. 1997, T. Komai leg.; CBM-ZI 81015–81052.

91. *Philonthus (Philonthus)* cf. *japonicus* Sharp

Material examined. **Kamchatka:** 7 exs., 25 km west of Klyuchi (riverside), 10. Vii. 1996, R. B. Kuranishi leg.; 1 ex., Petropavlovsk-Kamchatskiy, 9–10. Vii. 1997, T. Komai leg.; CBM-ZI 80989–80996.

North Kuril Islands: 1 ex., Shelekhovo (alt. 10 m), Paramushir I., 16. Vii. 1997, A. Saito leg.; 2 exs., same locality, 19. Vii. 1997, A. Saito leg.; 1 ex., Severo-Kuril'sk, Paramushir I., 11. Vii. 1997, A. Saito leg.; 1 ex., Shelekhovo-Shimoyur River (alt. 0–100 m), Paramushir I., 17. Vii. 1997, A. Saito leg.; CBM-ZI 80997–81001.

92. *Philonthus (Philonthus)* sp. 1

Material examined. **Kamchatka:** 2 exs., 25 km west of Klyuchi (riverside), 10. Vii. 1996, R. B. Kuranishi leg.; 3 exs., Bystraya River, 10. Vii. 1997, A. Saito leg.; 1 ex., Bushuika River (riverside), Azhabach'ye Lake, 13. Vii. 1996, R. B. Kuranishi leg.; 1 ex., Mt. Vachkazhets Volcano near Malka, 17. Vii. 1996, R. B. Kuranishi leg.; 1 ex., 14 km south of Paratunka, 7. Vii. 1997, A. Saito leg.; 1 ex., Tikhayia River ca. 30 km from Petropavlovsk-Kamchatskiy (alt. 40 m), 9. Vii. 1997, T. Komai leg.; 2 exs., Paratunka River, 8. Vii. 1997, A. Saito leg.; 2 exs., Petropavlovsk-Kamchatskiy, 9–10. Vii. 1997, T. Komai leg.; 2 exs., Petropavlovsk-Kamchatskiy, 9. Vii. 1997, A. Saito leg.; CBM-ZI 80974–80988.

93. *Philonthus (Philonthus)* sp. 2

Material examined. **Kamchatka:** 1 ex., 14 km south of Paratunka, 7. Vii. 1997, A. Saito leg.; 1 ex., Petropavlovsk-Kamchatskiy, 9. Vii. 1997, A. Saito leg.; CBM-ZI 81002–81003.

94. *Philonthus (Philonthus)* sp. 3

Material examined. **Kamchatka:** 2 exs., Nagornyi near Petropavlovsk-Kamchatskiy, 10. Vii. 1997, A. Saito leg.; CBM-ZI 81004–

81005.

95. *Philonthus* (*Philonthus*) sp. 4

Material examined. **Kamchatka:** 1 ex., Mt. Vachkazhets (alt. 550 m), upper part of Takhkoloch River Basin of Plotnikova, 1. Viii. 1997, T. Komai leg.; CBM-ZI 81006.

96. *Philonthus* (*Philonthus*) sp. 5

Material examined. **Kamchatka:** 1 ex., Lotnaya River (riverside) near Azhabach'ye Lake, 12. Vii. 1996, R. B. Kuranishi leg.; CBM-ZI 81007.

97. *Philonthus* (*Philonthus*) sp. 6

Material examined. **Kamchatka:** 1 ex., Bushuika River (riverside), Azhabach'ye Lake, 13. Vii. 1997, R. B. Kuranishi leg.; 1 ex., Lotnaya River (riverside) near Azhabach'ye Lake, 12. Vii. 1996, R. B. Kuranishi leg.; CBM-ZI 81008–81009.

98. *Philonthus* (*Onychophilonthus*) sp. 1

Material examined. **Kamchatka:** 1 ex., upper part of Pravaya River (alt. ca. 540 m), 23 km south of Pushchino, 7. Vii. 1996, R. B. Kuranishi leg.; CBM-ZI 81010.

99. *Philonthus* (*Onychophilonthus*) sp. 2

Material examined. **Kamchatka:** 1 ex., Poperechnaya River (alt. 320 m), Bystraya River Basin 17 km from main road, 27. Vii. 1997, T. Komai leg.; CBM-ZI 81011.

100. *Philonthus* (*Onychophilonthus*) sp. 3

Material examined. **Kamchatka:** 1 ex., Bystraya River Basin 30 km north of Ganaly (alt. 390 m), 29. Vii. 1997, T. Komai leg.; 1 ex., same locality, 30. Vii. 1997, A. Saito leg.; 1 ex., Poperechnaya River (alt. 320–1020 m), Bystraya River Basin 17 km from main road, 28. Vii. 1997, R. B. Kuranishi leg.; CBM-ZI 81012–81014.

101. *Creophilus maxillosus* (Linnaeus)

Material examined. **Kamchatka:** 2 exs., Bushuika River (riverside), Azhabach'ye Lake, 13. Vii. 1996, R. B. Kuranishi leg.; CBM-ZI 80959–80960.

North Kuril Islands: 2 exs., Shelekhovo-Medvezhiy Waterfall (alt. 0–10 m), Paramus-

hir I., 18. Vii. 1997, A. Saito leg.; 2 exs., Severo-Kuril'sk, Paramushir I., 14. Vii. 1997, T. Komai leg.; CBM-ZI 80961–80964.

102. *Quedius* sp. 1

Material examined. **Kamchatka:** 6 exs., Poperechnaya River (alt. 320 m), Bystraya River Basin 17 km from main road, 29. Vii. 1997, A. Saito & R. B. Kuranishi leg.; 2 exs., Mt. Vachkazhets (alt. 550 m), upper part of Takhkoloch River Basin of Plotnikova, 4. Viii. 1997, A. Saito leg.; 1 ex., same locality, 3. Viii. 1997, A. Saito leg.; 1 ex., same locality, 1. Viii. 1997, T. Komai leg.; 2 exs., Inlet small stream, Azhabach'ye Lake (left side), 13. Vii. 1996, R. B. Kuranishi leg.; 1 ex., Djakonovskoye Lake near Azhabach'ye Lake, 14. Vii. 1996, R. B. Kuranishi leg.; CBM-ZI 81053–81065.

North Kuril Islands: 1 ex., 3 km south of Severo-Kuril'sk (alt. 0–10 m), Paramushir I., 12. Vii. 1997, A. Saito leg.; 3 exs., Severo-Kuril'sk, Paramushir I., 11. Vii. 1997, A. Saito leg.; CBM-ZI 81066–81069.

103. *Quedius* sp. 2

Material examined. **North Kuril Islands:** 3 exs., Shelekhovo-Medvezhiy Waterfall (alt. 0–10 m), Paramushir I., 18. Vii. 1997, A. Saito leg.; CBM-ZI 81070–81072.

104. *Quedius* sp. 3

Material examined. **Kamchatka:** 1 ex., Poperechnaya River (alt. 320 m), Bystraya River Basin 17 km from main road, 27. Vii. 1997, A. Saito leg.; 1 ex., Mt. Vachkazhets (alt. 550 m), upper part of Takhkoloch River Basin of Plotnikova, 1. Viii. 1997, A. Saito leg.; CBM-ZI 81073–81074.

North Kuril Islands: 1 ex., Severo-Kuril'sk, Paramushir I., 11–25. Vii. 1997, T. Komai leg.; 1 ex., same locality, 11. Vii. 1997, A. Saito leg.; 1 ex., same locality (alt. 2 m), 25. Vii. 1997, A. Saito leg.; 1 ex., 3 km south of Severo-Kuril'sk (alt. 0–10 m), Paramushir I., 12. Vii. 1997, A. Saito leg.; 1 ex., Mt. Ebeko (alt. 200–960 m), Paramushir I., 14. Vii. 1997, A. Saito leg.; CBM-ZI 81075–81079.

105. *Quedius* sp. 4

Material examined. **Kamchatka:** 1 ex., upper part of Pravaya River (alt. ca. 540 m), 23

km south of Pushchino, 8. VII. 1996, R. B. Kuranishi leg.; 6 exs., Poperechnaya River (alt. 320 m), Bystraya River Basin 17 km from main road, 29. VII. 1997, A. Saito & R. B. Kuranishi leg.; CBM-ZI 81080-81086.

Acknowledgments

We would like to thank all the staffs of the Institute of Biology and Pedology, Far East Branch, Russian Academy of Sciences for their kind co-operation and support during the field survey at the Kamchatka Peninsula and North Kuril Islands in 1996 and 1997. We thank Dr. Volker Puthz (Limnologische Flußstation, Schlitz, Germany) for his identification of the most species of the subfamily Steninae. We also thank Dr. Tomoyuki Komai and Dr. Takayuki Odajima (Natural History Museum and Institute, Chiba) for their co-operation in collecting the staphylinids.

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1996 年と 1997 年に行われたカムチャツカ・北千島生物学調査の期間に採集されたハネカクシ科 (昆虫綱: 甲虫目) のリスト

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1996 年と 1997 年におこなわれたカムチャツカ・北千島生物学調査の期間に採集された 105 種 654 頭のハネカクシのリストを作成した。今回採集された 105 種のハネカクシは、次のように 8 つの亜科に分類された: 7 種 (ヨツメハネカクシ亜科), 16 種 (シリホソハネカクシ亜科), 43 種 (ヒゲブトハネカクシ亜科), 3 種 (セスジハネカクシ亜科), 3 種 (オオキバハネカクシ亜科), 12 種 (メダカハネカクシ亜科), 4 種 (アリガタハネカクシ亜科), 17 種 (ハネカクシ亜科)。