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渡辺千尚博士文献目録

LIST OF WORKS OF PROF. CHIHISA WATANABE

1931–1972

I. 昆虫学論文 ENTOMOLOGICAL PAPERS

1931

1. Notes on Braconidae of Japan. I. Helconini. Ins. Mats. 6: 22–31.

   The Japanese species of the genera *Brulleia* and *Helcon* are reviewed, the following six species being new to science: *H.* (*Helcon*) *uchidai, yezonicum* and *tricolor*; *H.* (*Aspidocolpus*) *jozanum, aino* and *albiterebra.*

1932

2. Notes on Braconidae of Japan. II. Macrocentrini. Ins. Mats. 6: 129–137.

   The Japanese species of the genera *Macrocentrus, Cerotopia* and *Zele* are reviewed, of which two species, *M. japonicus* and *Z. simplex*, are new to science.

3. A revision of braconid-species parasitic in the injurious insects of rice-plant and sugar-cane in Japan and Formosa. Trans. Sapporo Nat. Hist. Soc. 12: 63–72.

   Seven braconid species are discussed, of which one, *Bracon onukii*, is new to science.

4. Description of new species of genera *Megarhogas, Cystomastax* and *Stantonia* (Braconidae) from Formosa. Ins. Mats. 6: 184–189.

   Megarhogas perinae, Cystomastax formosana, Stantonia issikii, and *S. sauteri* are described as new species.

5. Notes on Braconidae of Japan. III. *Apanteles*. Ins. Mats. 7: 74–102.

   Twenty nine species of *Apanteles* are reviewed, of which 10 are new to science: *A. suzumei, tatehae, planus, sasakii, kuwayamai, sugae, hamakii, sonani, igae* and *asotae* (n. spp.); and two are new names; *miyoshii* and *okamotoi* (n. n.), with a key to the species and a host list.

6. メイガ科の幼虫に寄生する三種のコマユバチに就いて [On three species of Braconidae bred from some larvae of Pyralidae]. Kontyû 7: 245–248.

   Habrobracon hebetor bred from *Pyralis farinalis, Chelonus inanitus* from *Syllepte derogata* and *Macrocentrus japonicus* from *Margaronia pyloalis* are discussed.

7. On two new species of Braconidae bred from some curculionid-larvae in Japan. Ins. Mats. 7: 180–181.

   Two new species, *Bracon apoderi* bred from *Apoderus balteatus* and *Calyptus byctisci* from *Byctiscus venustus*, are described.

1934

8. On some species of Braconidae from Formosa and the Philippines in the Deutsches Entomologisches Museum. Ins. Mats. 8: 119–123.

   Eight braconid species are reviewed, of which 4 are new to science: *Rhaconotus formosanus, Laccagathis* (n. g.) *formosana, L. japonica* and *L. mindanaensis.*

9. Notes on Braconidae of Japan. IV. *Apanteles* (First supplement). Ins. Mats. 8: 132–143.

   Thirty species of *Apanteles* are discussed including 9 new species: *A. vallatae, neptisis, kamiyai, amphipyrae, kawadai, bistonis, aphae, conopiae* and *uchidai.*

10. On Evaniidae and Gasteruptionidae from Japan (Hymenoptera). Trans. Sapporo Nat. Hist. Soc. 13: 280–286.

    The Japanese species of the genera *Evania, Gasteruption* and *Trichofoenus* are reviewed, of which *G. oshimensis, G. ogasawarensis* and *T. breviterebrae* are new species.

11. H. Sauter's Formosa-collection: Braconidae. Ins. Mats. 8: 182–205.

    Fifty-one species are reviewed. *Merinotus taiwanus, Bracon kuro, B. koshunensis, Coeloreuteus formosanus, Spathiohormius sauteri, Eucorystes formosanus, Gyroneuron testaceator, Microdus sauteri, M. albifasciatus, M. formosanus* and *Cenocoelius koshunensis* are new species.

12. On two braconid parasites of sugar cane pests in Formosa. Ins. Mats. 9: 8–11.

    Shirakia jokohamensis bred from *Scirpophaga nivella* and *Macrocentrus jacobsoni* from *Chilo infuscatellus, Diatraea venosata* and *Scirpophaga nivella* are reviewed.

13. Notes on Braconidae of Japan. V. *Euurobracon.* Ins. Mats. 9: 19–23.

    E. yokahamae and *E. breviterebrae* (n. sp.) are discussed.

1935

14. On two Hymenopterous guests of ants in Japan. Ins. Mats. 9: 90–94.

    Paxylomma arakawae and *Elasmosoma berolinense* are redescribed.

15. On some species of Braconidae from North China and Korea. Ins. Mats. 10: 43–51.

    Habrobracon pectinophorae, Apanteles taoi, A. eguchii, A. derogatae and A. parnarae (n. spp.) are described, with notes on 8 other braconids.

16. A new braconid-parasite of the bark-boring beetle, *Cryphalus piceus* Eggers. Ins. Mats. 10: 67–69. (With H. Kôno).

    Ecphylus hattorii (n. sp.) is described.

17. 北海道産ヂャウザンシジミの生活史 [Life-history of *Lycaena orion* Pallas in Hokkaido]. Zephyrus 6: 375–380. (沢本孝久と共著).

1937

18. A preliminary revision of the genus *Spinaria* Brullé (Hymen., Braconidae). Ins. Mats. 10: 106–117.

Thirty species with 4 varieties of the genus *Spinaria* are reviewed.

19. A contribution to the knowledge of the braconid fauna of the Empire of Japan (Hymenoptera). Jour. Facul. Agr., Hokkaido Imp. Univ. 42 : 1–188.

This paper comprises part of a thesis submitted to the Hokkaido University in part fulfilment of the requirements for the degree of Doctor of Agriculture. In this paper 240 species are reviewed, of which 30 are new to science and 42 are new to the fauna. The new species are as follows: *Bracon yakui, B. nipponensis, Spathius japonicus, Rhogas daisetsuzanus, R. oyeyamensis, R. lymantriae, R. wadai, R. drymoniae, R. microculatus, R. sapporensis, Chelonus tosensis, C. moriokensis, Ascogaster epinotiae, Phanerotoma producta, Earinus jezoensis, Braunsia postfurcalis, B. matsumurai, B. antefurcalis, Microdus aino, Microtypus takeuchii, Microgaster takeuchii, M. coenonymphae, Microplitis theretrae, Streblocera nigrithoracica, Pygostolus septentrionalis, Leiophron antennalis, L. aino, Cardiochiles japonicus, Macrocentrus gigas* and *Phaenocarpa jezoensis.* Keys and a host list are presented.

20. On some species of Braconidae from Manchoukuo (Contributions to the knowledge of the braconid fauna of Manchoukuo, I). Ins. Mats. 12 : 39–44.

Nine species including one new species, *Apanteles kariyai*, are reviewed.

1938

21. On three braconid parasites of the soybean pod borer, *Grapholitha glycinivorella* Matsumura (Contribution to the knowledge of the braconid fauna of Manchoukuo, II). Ins. Mats. 12 : 131–135.

Chelonus pectinophorae, Phanerotoma planifrons and *Microdus glycinivorellae* (n. sp.) are parasitic on the soybean pod borer.

22. A new species of Braconidae bred from a fungivorous beetle, *Dorcatoma hattorii* Kôno. Ins. Mats. 12 : 179–180.

Diospilus konoi (n sp.) is described.

23. A revision of the genns *Batotheca* Enderlein, with description of a new species (Hym., Braconidae). Mushi 11 : 170–175.

Five species including a new species, *B. yakushimensis*, are reviewed.

24. Description of a new species of the genus *Opius* Wesmael, bred from the cherry fruit fly, *Euphranta* sp. (Hymenoptera : Braconidae). Ins. Mats. 13 : 35–38.

Opius aino (n. sp.) is described.

25. A braconid parasite of *Porthesia similis* Fuessly (Host record of Braconidae, I). Ins. Mats. 13 : 38.

Microplitis cerurae is parasitic on *Porthesia similis.*

1939

26. *Rhogas praetor* Reinhard as a parasite of *Smerinthus planus* Walker (Host record of Braconidae, II). Ins. Mats. 13 : 51.

27. A braconid parasite of the soybean pod borer, *Grapholitha glycinivorella* Matsumura, in Hokkaido (Hymenoptera : Braconidae). Ins. Mats. 13 : 61–62.

Bracon abscissor is redescribed.

28. *Meteorus japonicus* Ashmead, a parasite of the gypsy moth, *Lymantria dispar* Linné (Hymenoptera : Braconidae). Ins. Mats. 13 : 63–65.

29. A new species of genus *Aphidius* Nees and redescription of *Aphidius japonicus* Ashmead (Taxonomic notes on Aphidiidae of Japan, I). Ins. Mats. 13 : 81–84.

    Aphidius salignae (n. sp.) bred from *Tuberolachnus saligna* and *A. japonicus* from *Pterochlorus tropicalis* are reviewed.

30. A new species of *Apanteles* bred from *Daimio tethys* Ménétriès, with notes on other species. Ins. Mats. 13 : 129–131.

    Apanteles ishizawai (n. sp.) is described, and *A. plutellae* from Sakhalin and *A. kariyai* from Japan are reviewed.

31. A new species of *Meteorus* bred from *Camptoloma interiorata* Walker (Hymenoptera : Braconidae). Ins. Mats. 14 : 25–26.

    Meteorus camptolomae (n. sp.) is described.

32. クワノメイガの寄生蜂に就いて (予報) [Preliminary notes on the hymenopterous parasites of the mulberry pyralid moth, *Margaronia pyloalis* Walker]. Kontyû, 13 : 231–236.

1940

33. Hymenopterous parasites of the mulberry pyralid moth, *Margaronia pyloalis* Walker, in Japan (I). Ins. Mats. 14 : 85–94.

    Goniozus japonicus (Bethylidae), *Epiurus persimilis* and *Spilocryptus japonicus* (Ichneumonidae), *Chelonus tabanus, Phanerotoma planifrons, Apanteles minor, A. kurosawai* (n. sp.) and *Macrocentrus philippinensis* (Braconidae) are reviewed as parasites of the mulberry pyralid moth.

34. A braconid parasite of *Theretra japonica* L'Orzo (Host record of Braconidae, III). Ins. Mats. 14 : 94.

    Microplitis theretrae is parasitic on *Theretra japonica.*

35. A new braconid parasite of the gall midge of *Actinidia polygama* Maximowicz (Hymenoptera : Braconidae). Ins. Mats. 14 : 138–140.

    Campyloneurus asphondyliae (n. sp.) is described.

36. On three species of Braconidae from Inner Mongolia (Hymenoptera). Ins. Mats. 15 : 31–33.

    Vipio sareptanus, Glyptomorpha elongata and *Macrocentrus tsunekii* (n. sp.) are reviewed.

37. Description of a new *Apanteles*-species bred from *Dictyoploca japonica* Butler (Hymenoptera : Braconidae). Ins. Mats. 15 : 51–52.

    Apanteles dictyoplocae (n. sp.) is described.

38. On two species of *Aphidius* bred from *Cinara laricicola* (Matsumura) (Taxonomic notes on Aphidiidae of Japan, II). Ins. Mats. 15 : 53–56.

    Aphidius pini and *A. laricis* are reviewed.

1941

39. Descriptions of three new species of *Aphidius* parasitic on some aphids of coniferous trees (Taxonomic notes on Aphidiidae of Japan, III). Ins. Mats. 15: 106–111.

Aphidius pini bred from *Cinara laricicola* and *C. pineti*, *A. laricis* from *C. laricicola*, *A. kônoi* (n. sp.) from *C. longipennis*, *A. inouyei* (n. sp.) from *C. todocola*, and *A. jezoensis* (n. sp.) from *C. nopporensis* and *Lachniella costata* are reviewed.

40. On two species of genus *Ephedrus* Haliday (Taxonomic notes on Aphidiidae of Japan, IV). Ins. Mats. 15: 136–140.

Ephedrus japonicus and *E. interstitialis* (n. sp.) are reviewed.

41. A braconid parasite of *Antheraea peryni* Guérin in Manchoukuo. Ins. Mats. 15: 166.

Apanteles dictyoplocae is recorded from Manchoukuo.

42. On two aphidiid parasites of the grain aphis, *Macrosiphum granarium* (Kirby) (Taxonomic notes on Aphidiidae of Japan, V). Ins. Mats. 15: 167–170.

Aphidius granarius and *Ephedrus japonicus* are reviewed.

1942

43. A preliminary revision of the genus *Streblocera* Westwood, with description of a new species from Manchoukuo (Hymenoptera: Braconidae). Ins. Mats. 16: 1–12.

Five Palaearctic species of *Streblocera* including *S. okadai* (n. sp.) are reviewed, and a key to the species is presented for their identification.

44. Descriptions of a new subspecies and an imperfectly known species of *Apanteles* from Nippon (Hymenoptera: Braconidae). Ins. Mats. 16: 147–150.

Apanteles sibyllarum nipponensis (n. subsp.) and *A. awanomeigae* (n. n.) are reviewed.

45. A supplementary notes on the genus *Streblocera* Westwood (Hymenoptera: Braconidae). Ins. Mats. 16: 158.

S. okadai is discussed.

46. Description of a new *Apanteles*-species bred from *Anomis fimbriago* Stephens in Manchoukuo. Ins. Mats. 16: 169–170.

A. anomidis (n. sp.) is described.

47. 屋久島のコマユバチに就いて [Notes on Braconidae of Yakushima]. Mushi 14: 66–70.

Seven braconid species are listed.

1944

48. 英彦山のコマユバチ数種に就いて [Notes on Braconidae of Hikosan]. Mushi 16: 1–4.

Cremnops atricornis, *Meteorus obfuscatus*, *Streblocera okadai*, *Eubadizon extensor* and *Laminitarsus muirii* are discussed.

1945

49. Note on some Micronesian Braconidae (Hymenoptera). Mushi 16: 47–58.

Sixteen species of Micronesian Braconidae are listed, of which the following six are new to science: *Spathius esakii*, *Rhaconotus carolinensis*, *Chelonus saipanensis*, *C. trukensis*, *C. ponapensis* and *Macrocentrus carolinensis*.

1946

50. アリヤドリバチ科の分類学的再検討 [Taxonomic revision of the family Paxylommatidae (Hymenoptera)]. Matsumushi 1: 24–31.

Four Palaearctic and two Neoarctic species of *Paxylomma* are reviewed.

51. 日本産シリアゲコバチに就いて [Notes on the Japanese species of the genus *Leucospis* Fabricius (Hymenoptera: Leucospidae)]. Matsumushi 1: 75–80.

Two Japanese species of Leucospidae, *Leucospis japonica* and *okinawensis*, are discussed.

1948

52. On three species of Braconidae bred from some beetles (Hymenoptera). Mushi 18: 95–99.

Spathius radzayanus bred from *Blastophagus piniperda* and *Pissodes obscurus*, *Ecphylus hattorii* from *Cryphalus fulvus*, and *Calyptus satai* (n. sp.) from *Pissodes obscurus* are reviewed.

53. Evaniidae, Gasteruptionidae and Aphidiidae of Shansi, China (Hymenoptera). Mushi 19: 31–32.

One evaniid, two gasteruptionids and three aphidiids are listed.

54. *Epilachna pustulosa* Kôno コブオホニジウヤホシに関する知見 [Contributions to the knowledge of *Epilachna pustulosa* Kôno (Coleoptera: Coccinellidae)]. Matsumushi 2: 98–106. (坂上昭一と共著).

This beetle is treated as a good species separating from *E. vigintioctomaculata* by the colour of the hind femora and by the difference of the food plants.

1949

55. Aphidiidae of Inner Mongolia (Hymenoptera). Mushi 20: 43–45.

Four Mongolian species of Aphidiidae are reviewed, of which one, *Praon mongolicus*, is new to science.

56. Proctotrupidae of Japan (Hymenoptera). Ins. Mats. 17: 23–27.

The Japanese species of the genera *Proctotrupes*, *Phaenoserphus* and *Crytoserphus* are reviewed.

1950

57. Charipidae of Japan (Hymenoptera). Ins. Mats. 17: 85–89.

Charips japonicus, *C. simplex* (n. sp.) and *C. ishizawai* (n. sp.) are reviewed.

58. Braconidae of Shansi, China (Hymenoptera). Mushi 21: 19–27.

Thirty two species are reviewed, of which three, *Chelonus yasumatsui*, *Blacus chinensis* and *Opius wutaishanus* are new to science.

59. A preliminary revision of the genus *Aphrastobracon* Ashmead (Hymenoptera, Braconidae). Jour. Facul. Agr., Hokkaido Univ. 48: 291–304.

In this paper *Megallommum* and *Curriea* are suppressed as synonyms of *Aphrastobracon* for the first time and twenty five described species are reviewed.

60. オホニジウヤホシテントウの分布南限界の指標としての夏期平均気温 (要報) [The air mean temperature in summer as an index of the southern limit of the distribution of *Epilachna vigintioctomaculata* Motschulsky]. Kontyû 18: 54–63.

Mean temperatures between 20.5°C and 21.5°C in summer from May to October are available as an index of the southern limit of the distribution of this beetle.

61. 日本産アリヤドリコバチ類の分類学的再検討 [A taxonomic revision of the Japanese species of Eucharidae (Hymenoptera: Chalcidoidea)]. Trans. Shikoku Ent. Soc. 1: 59–64.

The Japanese species, *Eucharis esakii*, *Stilbula cyniformis* and *Schizaspidia yakushimensis*, are discussed.

1951

62. Descriptions of new or little known species of Braconidae, with notes on synonymy (Hymenoptera). Ins. Mats. 17: 93–101.

Capitonius japonicus and *Doryctes margaroniae* (n. spp.) are described. *Shirakia* is suppressed as a synonym of *Tropobracon*.

63. Supplementary notes on the genus *Streblocera* Westwood (II) (Hymenoptera: Braconidae). Ins. Mats. 17: 102.

64. Discovery of a new species of the genus *Parambynotus* Cameron from Japan (Hymenoptera: Cynipidae). Ins. Mats. 17: 129–131. (With S. Sakagami).

P. kosugii (n. sp.) is described.

65. On five scelionid egg-parasites of some pentatomid and coreid bugs from Shikoku, Japan (Hymenoptera: Proctotrupoidea). Trans. Shikoku Ent. Soc. 2: 17–26.

Five species of *Telenomus*, *Asolcus* and *Hadronotus* are reviewed, of which *A. gonopsidis* is new to science.

66. A synonymical note on a Japanese species of Eucharidae (Hymenoptera). Trans. Shikoku Ent. Soc. 2: 26.

67. A new species of the genus *Meteorus* Haliday from Japan (Hymenoptera: Braconidae). Mushi 22: 45–46.

M. ocellatus (n. sp.) is described.

68. A new species of the genus *Doryctomorpha* Ashmead from Japam (Hymenoptera: Braconidae). Mushi 22: 47–49.

D. chlorophori, a parasite of *Chlorophorus annularis*, is described.

1952

69. Notes on *Bracon onukii* Watanabe as a parasite of the purplish stem borer, *Sesamia inferens* Walker (Hymenoptera: Braconidae). Trans. Shikoku Ent. Soc. 3: 41–46. (With M. Miyatake).

Taxonomic and biological notes on *B. onukii* are mentioned.

70. Notes on Hymenopterous parasites of longicorn beetles, with descriptions of two new species of Braconidae. Ins. Mats. 18: 25–29.

Braconidae: *Atanycolus initiator*, *Doryctes nixoni* (n. sp.) and *Helcon* (*Helconidea*) *planidorsum* (n. sp.), and Aulacidae: *Pristaulacus intermedius* are mentioned.

71. Discovery of *Orussus japonicus* Tosawa in Hokkaido. Ins. Mats. 18: 34. (With K. Kosugi).

72. Synonymy and other notes on Braconidae (Hymenoptera). Ins. Mats. 18: 41–42.

Bracon chinensis=(*B. albolineatus*), *Habrobracon hebetor*=(*H. pectinophorae*).

73. 本州南岸線に関する一考察 [A consideration of the line of demarcation of the distribution of insects running along the Pacific coast of Central and West Honshu in Japan]. Kontyû 19: 14–20.

The annual isotherm of about 14°C or the summer isotherm of about 21°C is preferable to indicate this line to the minimum isotherm of −3.5°C.

1954

74. Discovery of four new species of Telenominae, egg-parasites of pentatomid and plataspid bugs in Shikoku, Japan (Hymenoptera: Proctotrupoidea). Trans. Shikoku Ent. Soc. 4: 17–22.

Telenomus nakagawai, *Asolcus plautiae*, *minor* and *elasmuchae* are mentioned as new species.

75. New species and host records of Proctotrupidae (Hymenoptera). Mushi 26: 5–8.

Disogmus afissae (n. sp.), *Phaenoserphus viator* and *P. nebriae* (n. sp.) are mentioned.

76. Miscellaneous notes on Braconidae (Hymenoptera). Ins. Mats. 18: 60.

77. Hymenopterous parasites of the longicorn beetle, *Semanotus rufipennis* Motschulsky. Ins. Mats. 18: 79–83.

Atanycolus initiator, *Doryctes yogoi* (n. sp.), *Aspidocolpus semanoti* (n. sp.) (Braconidae), and *Ichnocerus secticornis* var. *sapporensis* (Ichneumonidae) are mentioned.

78. Description of a new species of *Microctonus* Wesmael bred from the carabid beetle, *Harpalus capito* Morawitz (Hymenoptera, Braconidae). Ins. Mats. 18: 109–110.

Microctonus harpali is mentioned as a new species.

79. オオニジウヤホシテントウの一寄生蜂 [*Disogmus afissae*, a parasite of *Epilachna vigintioctomaculata*]. Kontyû 22: 28.

1955

80. Discovery of two new species of *Scelio* Latreille, egg-parasites of the rice grasshoppers, in Japan (Hymenoptera, Scelionidae). Ins. Mats. 19 : 54–58.

Scelio muraii and *S. tsuruokensis* (n. spp.) are mentioned as egg-parasites of *Oxya velox* and *O. japonica*.

81. On the Japanese species of the genus *Microctonus* Wesmael with description of a new species (Hymenoptera, Braconidae). Mushi 29 : 51–55.

Microctonus harpali, vittatae and *punctifrontis* (n. sp.) are mentioned with a key to the species.

1956

82. Notes on Xiphydriidae of Japan (Hymenoptera, Symphyta). Ins. Mats. 20 : 6–10.

Seven species of *Xiphydria* occurring in Japan are mentioned, and synonymy and a key presented.

1957

83. A new species of *Aspilota* Förster parasitic on the chestnut gall wasp, *Dryocosmus kuriphilus* Yasumatsu (Hymenoptera, Braconidae). Mushi 30 : 35–36.

Aspilota yasumatsui is mentioned as a new species.

84. Notes on Ashmead's Japanese Braconidae (Hymenoptera). Ins. Mats. 21 : 1–5.

The types of Japanese Braconidae described by Ashmead (1906) are mentioned.

85. Notes on Japanese and Formosan species of *Stantonia* Ashmead (Hymenoptera, Braconidae). Ins. Mats. 21 : 45.

Microtypus takeuchii is transferred to *Stantonia*.

86. A revision of *Rogas pallidinervis* Cameron (Hymenoptera, Braconidae). Ins. Mats. 21 : 46–47.

Rogas pallidinervis is redescribed on the basis of the type.

1958

87. Insects of Micronesia. Hymenoptera : Eucharidae. Insects of Micronesia 19 (2) : 19–34.

Micronesian eucharids including nine species are reviewed, of which four, *Schizaspidia brevifurcata, Stilbula carolinensis, Losbanus gressitti* and *Parachalcura maculata*, are new to science.

88. Further revisions of *Spinaria* Brullé and *Batotheca* Enderlein, with description of a new genus (Hymenoptera, Braconidae). Acta Hymenopterologica 1 : 51–53.

Spinaria, Batotheca and *Batothecoides* (n. g.) are discussed, being placed in Rogadinae.

89. A revision of the species of the genus *Coeloides* Wesmael occurring in Japan, with description of a new species (Hymenoptera, Braconidae). Ins. Mats. 22 : 1–6.

Coeloides japonicus (n. sp.), *C. scolyticida* and *C. bostrichorum* are mentioned and a key to the species presented.

90. Review of biological control of insect pests in Japan. Proc. Tenth Int. Congress Ent. 4: 515–517.

91. 風害跡地に発生する穿孔虫の天敵に関する研究 [Studies on natural enemies of wood-boring beetles in forests damaged by a storm]. 農林省応用試験報告書, 昭和33年度: 61–68.

Pachyceras xylophagorum, Rhopalicus tutela, Coeloides bostrichorum, and *Eustalocerus clavicornis* as parasites of *Ipis typographus*, and *P. xylophagorum* and *Dinotiscus capitatus* as parasites of *Polygraphus pyoximus* are discovered in Hokkaido.

1960

92. Discovery of *Cosmophorus klugi* Ratzeburg in Japan (Hymenoptera, Braconidae). Ins. Mats. 23: 55–56.

93. Three braconid parasites of Aegeriidae with description of a new species (Hymenoptera, Braconidae). Mushi 33: 5–7.

Bracon nipponensis, B. yanoi (n. sp.) and *Apanteles conopiae* are mentioned.

1961

94. Discovery of *Ropalophorus clavicornis* in Japan (Hymenoptera, Braconidae). Kontyû 24: 277–278.

95. Notes on Braconidae (Hymenoptera) of Thailand. Nature and Life in Southeast Asia 1: 363–365.

Eighteen species are listed.

96. Notes on five braconid parasites of some wood-boring beetles (Hymenoptera, Braconidae). Pub. Ent. Lab., Univ. Osaka Pref. No. 6: 111–114.

Doryctes igneus, Odontobracon bicolor, Monolexis atis, Helcon ruspator and *H. dentator* are mentioned.

1962

97. Occurrence of *Pelecystoma tricolor* Wesmael in Japan (Hymenoptera, Braconidae). Ins. Mats. 25: 41–43.

98. The choice of the name of a braconid. Ins. Mats. 25: 43.

Aspidocolpus semanoti is chosen from multiple original spellings, *semanoti* and *seminoti*.

99. Nomenclature of a bibionid-fly and a saw-fly. Ins. Mats. 25: 49.

1963

100. Host records of Braconidae. Ins. Mats. 25: 90.

101. Notes on some species of Braconidae of Japan (Hymenoptera: Braconidae). Ins. Mats. 25: 96–97.

Rogas pallidinervis, *Apanteles liparidis*, *A. thompsoni*, *A. glomeratus* and *A. kariyai* with their hosts are mentioned.

102. Two new species of the genus *Coelinidea* Viereck, parasites of stem flies of economic importance, occurring in Japan (Hymenoptera: Braconidae). Mushi 37: 13–17.

Coelinidea hordeicola and *C. oryzicola* are mentioned as new species.

103. Discovery of *Apanteles plutellae* in Japan. Ins. Mats. 26: 63.

104. A new host-record of *Macrocentrus marginator* in Japan. Ins. Mats. 26: 63.

105. Possibility of occurrence of gynogenesis in Scelionidae (Hymenoptera). Ins. Mats. 26: 98.

Gynogenesis probably occurs between *Scelio muraii* and *S. tsuruokensis*.

1964

106. On the identity of *Spathius helle* Nixon, a larval parasite of the rice stem borer, *Chilo suppressalis* (Walker) (Hymenoptera, Braconidae). Mushi 38: 33–35.

107. Occurrence of two species of the genus *Praon* Haliday in Japan (Hymenoptera: Aphidiidae). Ins. Mats. 27: 8–11. (With H. Takada).

Praon volucre and *P. dorsale* are reviewed.

108. A note on *Pauesia konoi* (Watanabe) (Hymenoptera: Aphidiidae). Ins. Mats. 27: 11. (With H. Takada).

1965

109. A revision of the genus *Pauesia* Quilis in Japan, with descriptions of three new species (Hymenoptera: Aphidiidae). Ins. Mats. 28: 1–18. (With H. Takada).

Thirteen species of *Pauesia*, including three new species, *P. nopporensis*, *soranumensis* and *momicola*, are mentioned and a key to the species and a host list presented.

110. New host records of *Chelonus* (Hym.: Braconidae). Ins. Mats. 28: 92.

Chelonus moriokensis bred from *Barathra brassicae* and *C. pectinophorae* from *Dichomeris ianthes* are discussed.

111. Notes on the *Apanteles flavipes* complex (Hymenoptera, Braconidae). Mushi 38: 111–116.

Apanteles flavipes complex, *flavipes*, *chilonis* and *sesamiae*, are discussed.

112. A list of Braconidae collected by Dr. Shirôzu in Taiwan (Hymenoptera). Spec. Bull. Lep. Soc. Jap. No. 1: 178–179.

113. オホニジウヤホシテントウ群の食物選好に関する一考察, 特にいわゆる「東京西郊型」について [A consideration of the food preference of the *Epilachna vigintiocto-*

maculata complex, with special reference to the so-called "Tokyo west suburbs form"]. Kontyû 33 : 191–198. (鈴木重孝と共著).

This form should be referable to *E. pustulosa*.

1966

114. Notes on braconid parasites of *Naranga aenescens* Moore occurring in Japan (Hymenoptera : Braconidae). Ins. Mats. 28 : 131–132.

Meteorus narangae, *Apanteles ruficrus*, *Apanteles kariyai*, *Rogas narangae* and *Bracon onukii* are mentioned.

115. Notes on braconid and ichneumonid parasites of the rice stem borer, *Chilo suppressalis* (Walker) in Japan. Mushi 39 : 95–101.

Five braconids and nine ichneumonids are mentioned.

1967

116. Description of a new species of the genus *Ascogaster* Wesmael and notes on synonymy of *Apanteles* species (Hymenoptera, Braconidae). Ins. Mats. 29 : 41–44.

Ascogaster reticulatus (n. sp.), *Apanteles opacus*=(*A. derogatae*) and *A. baoris*=(*A. paranae*) are mentioned.

117. Dipterous and hymenopterous parasites of five nymphalid butterflies. Ins. Mats. 29 : 44. (With T. Kocha).

118. Further revision of the genus *Macrocentrus* Curtis in Japan with descriptions of two new species (Hymenoptera, Braconidae). Ins. Mats. 30 : 1–16.

Thirteen species of *Macrocentrus* including two new species, *pilosus* and *mandibularis*, are mentioned and a key to the species and a host list are added.

119. Aphidiid parasites of the green peach aphid, *Myzus persicae* (Sulzer), in Japan (Hymenoptera, Aphidiidae). Mushi 40 : 83–87. (With H. Takada).

Ephedrus nacheri, *E. plagiator*, *E. persicae*, *Praon volucre*, *Aphidius gifuensis*, *Lysiphlebus japonicus* and *Diaeretiella rapae* occur in Japan as parasites of *Myzus persicae*.

120. Notes on Braconidae caught in a sweep-net at paddy fields. Part I (Hymenoptera). Mushi 40 : 189–198.

Twenty braconids including one new species, *Apanteles oryzicola*, are mentioned.

1968

121. A revision of the genus *Acanthormius* Ashmead, with descriptions of six new species (Hymenoptera, Braconidae). Ins. Mats. 30 : 57–66.

Ten species of *Acanthormius* including six new species, *takadai*, *rugosus*, *iriomotensis*, *philippinensis*, *bakeri* and *malayensis*, are mentioned and a key to the Oriental species is presented.

122. Notes on the genera *Cosmophorus* and *Orgilus* in Japan with description of a new species (Hymenoptera, Braconidae). Ins. Mats. 31 : 1–6.

Cosmophorus regius, *C. klugii*, *C. cembrae*, *Orgilus longiceps* and *O. kumatai* (n. sp.) are mentioned.

123. Identification of the braconid parasites of rice borers (Hymenoptera, Braconidae). Mushi 41 : 185–188.

1969

124. Notes on the genera *Zele* Curtis and *Xiphozele* Cameron with special reference to the species in Japan (Hymenoptera : Braconidae). Proc. Ent. Soc. Wash. 71 : 318–328.

The Japanese species of the genera *Zele* and *Xiphozele* are reviewed and a key to the species of *Zele* is presented.

1970

125. Supplementary note on *Macrocentrus* Curtis with description of a new species (Hymenoptera, Braconidae). Mushi 43 : 115–116.

Macrocentrus rhyacioniae is mentioned as a new species.

126. Descriptions of two new species of the genus *Pelecystoma* Wesmael (Hymenoptera, Braconidae). Mushi 43 : 117–120.

Pelecystoma gregarium and *P. solitarium* are mentioned as new species.

127. Notes on braconid parasites of lepidopterous leaf-rollers with descriptions of two new species (Hymenoptera, Braconidae). Mushi 43 : 121–126.

Macrocentrus linearis, *Meteorus adoxophyesi*, *Apanteles adoxophyesi*, *A. ater*, *Agathis oranae* (n. sp.), *Oncophanes compsolechiae* (n. sp.) and *Bracon adoxophyesi* are mentioned.

1972

128. Notes on the genera *Aspigonus* Wesmael and *Baeacis* Foerster with special reference to the Japanese species (Hymenoptera, Braconidae). Kontyû 40 : 17–22.

The diospiline genera *Aspigonus* and *Baeacis* (Helconinae) with their Japanese species including *A. japonicus* (n. sp.) are reviewed and keys presented for identification.

129. A revision of the Helconini of Japan and a review of helconine genera of the world (Hymenoptera, Braconidae). Ins. Mats. 35 : 1–18.

The Japanese species of the genera *Helcon*, *Wroughtonia*, *Brulleia* and *Aspicolpus* including *W. japonica* (n. sp.) are revised and keys presented for identification. The genera originally and subsequently referred to the Helconinae of the world are reviewed.

II. 論説・解説 ESSAYS

1933

130. 本邦産サムライコマユ属 *Apanteles* の数種に就いて. 昆虫世界 37 (429): 2–6; 37 (430): 9–15.

1935

131. 敵虫輸入に関する一考察. 動物及植物 3: 420-427.

1938

132. 馬尾蜂の学名について. 昆虫界 6: 860-866.

1939

133. 昆虫に依る有害植物の防除. 植物及動物 7: 1843-1850.

134. 桜桃を喰害する実蝿類の寄生蜂に就いて. 応動 11: 123-127.

1941

135. Coconut moth の生物的防除. 植物及動物 9: 565-570.

136. フィジー島に於けるココ椰子の害虫 *Promerotheca reichei* Baly の生物的防除. 植物及動物 10: 627-630.

1943

137. 寄生蜂の共寄生に就いて. 動雑 55: 368-369.

138. 二・三化螟虫に寄生するコマユバチ類に就て [Braconid parasites of the rice stem borer and the paddy borer]. Trans. Nat. Hist. Soc. Formosa 33: 457-466.

1944

139. 蒙疆の農作物虫害防除対策私見. 農業及園芸 19: 968-970.

140. 寄生蜂の寄主選択論. 宝塚昆虫館報 40号, 1-15.

1946

141. 自然博物館建設の構想. 松虫 1: 42-43.

142. 馬鈴薯の害虫オホニジウヤホシテントウの分布に就いて. 生物 1: 49-51. (内田登一と共著).

1947

143. 共寄生と害虫の生物的防除. 生物, 増刊 1: 95-100.

1949

144. サムライコマユバチ. 新昆虫 2 (10): 4-6.

1950

145. オホニジウヤホシテンタウの分布南限界の指標としての夏期平均気温 (予報). Kontyû 18: 9-10.

1951

146. ニジュウヤホシテントウ並びにオオニジュウヤホシテントウの学名. 応用昆虫 7: 117-123.

1952

147. 新開拓地の昆虫相の研究, 特に害虫の推移に就て. II. トムラウシの開拓地に於ける害虫調査. 北大農学部邦文紀要 1: 245-248. (内田登一と共著).

1954

148. ニジウヤホシテントウの分布北限の指標. Kontyû 20: 80-81.

1955

149. *Paxylomma buccatum* Brébisson 日本に産す. Kontyû 22: 70.

150. シンジュサンの1寄生蜂. Kontyû 23: 50.

151. 北海道の昆虫採集. 新昆虫 8 (6): 2-5.

152. 昆虫分類用語の解説. 新昆虫 8 (8): 38-39.

153. Sibling species の問題. 動物分類学会会務報告 7: 1-2.

1958

154. 寄生蜂の生態研究上の諸問題. 生態昆虫 7: 1-4.

1960

155. 森林害虫に対する天敵の役割. 北方林業 133 号: 34-37.

1961

156. 学名の命名者に関する問題. 動物分類学会会報 26: 7-9.

1963

157. 動物命名規約における亜種以下の諸型の名の取扱い方について. Kontyû 31: 309-313.

158. 生物的防除. 植物防疫 17: 5-8.

159. 大雪山の高山昆虫瞥見. 日本自然保護協会調査報告 8 号: 71-76.

1965

160. 本邦並びに欧米のビート害虫相の比較 (予報). 甜菜研究会研究報告 4 号: 36-40.

1966

161. 大雪山の高山昆虫. 北海道自然保護協会会誌 1: 34-35.

162. 農薬の再考. 農業北海道 18 (1): 24-27.

163. 天敵を見直そう. 農業北海道 18 (2): 54-57.

164. 農薬の進むべき道. 農業北海道 18 (12): 28-30.

1967

165. 自然保護上看過ごされがちな問題. 北海道自然保護協会会誌 2: 4-5.

166. 昆虫分類学に関する諸問題—国際動物命名規約を中心として—. Kontyû 35: 155-163.

1968

167. 国際動物命名規約覚え書 (I). Kontyû 36: 294-296.

1969

168. 国際動物命名規約覚え書 (II). Kontyû 37: 110-114.

169. 国際動物命名規約覚え書 (III). Kontyû 37: 187-191.

170. 国際動物命名規約覚え書 (IV). Kontyû 37: 261-268.

171. 国際動物命名規約覚え書 (V). Kontyû 37: 373-379.

1970

172. 国際動物命名規約覚え書 (VI). Kontyû 38: 1-8.

173. 自然保護・管理覚え書—とくに術語について—. 北海道自然保護協会会誌 8: 8-12.

1971

174. 再び学名の資格について. Kontyû 39: 66-67.

III. 雑録 MISCELLANEOUS NOTES

三つの自問自答. 虫・自然 17: 70-71, 1947.

和名放談. 新昆虫 2 (12): 28, 1949.

北国の冬と昆虫. 新昆虫 6 (1): 17-19, 1953.

欧米見聞雑記. 北方林業 9 (7): 201-203, 1957.

欧米の昆虫学界管見. 農薬の進歩 3 (3): 1-6, 1957.

Obituary. Shonen Matsumura, 1872-1960. Ins. Mats. 24: 1-3, 1961. (With T. Uchida).

加藤静夫君を追想して. Kontyû 30: 285-287, 1962.

河野広道博士の逝去を悼みて. Kontyû 31: 314-315, 1963.

北国の春を告げる虫. インセクタリウム 2 (5): 50, 1965.

動物のなわばり雑考. 北海道新聞 (昭和41年6月17日・夕刊), 1966.

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「あなたの博物誌」と題して犬飼哲夫氏その他の記事とともに下記の記事が北海道新聞に連載さる.

春告蝶, 食用昆虫, 高山昆虫, 夏の虫—セミ—, 秋に鳴く虫, 雪虫の正体, 飛蝗, 虫の冬じたく (1967), 生きている化石, 虫の吸血鬼・ノミ, アメンボとミズスマシ, 虫の化学戦術, 虫の殺し屋たち, 働き者・アリ, カと人生, 虫の残酷物語り, アカトンボ, ゴキブリ (1968).

馬尾蜂学名考. 昆虫と自然 3 (7): 25, 1968

英国の昆虫保護に思う. 昆虫と自然 3 (2): 8–10, 1968.

虫と古川柳. 農業北海道 20 (1): 84–86, 1968.

虫の清掃人. 農業北海道 20 (2): 71–73, 1968.

侵入害虫の脅威. 農業北海道 20 (3): 72–73, 1968.

虫の吸血鬼列伝. 農業北海道 20 (4): 74–76, 1968.

生きた化石と氷河の落し子. 農業北海道 20 (5): 74–75, 1968.

森林・田園の保護者. 農業北海道 20 (6): 74–75, 1968.

アリの功罪. 農業北海道 20 (7): 74–75, 1968.

虫の声楽家. 農業北海道 20 (8): 78–79, 1968.

虫の潜水夫と虫の滑空士. 農業北海道 20 (9): 72–73, 1968.

虫の提琴家. 農業北海道 20 (10): 72–74, 1968.

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赤とんぼ. 北海道新聞 (昭和44年10月14日・夕刊), 1969.

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北海道の自然の美しさ. 緑の栄光 16: 9–10, 1970.

IV. 単行書 BOOKS

寄生蜂の話. 鶴文庫, 札幌, 1947.

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第一編： 天敵・害虫目録 [Part 1: Parasite-predator host catalogue], 1964.
第二編： 害虫・天敵目録 [Part 2: Host parasite-predator catalogue], 1964.
第三編： 文献目録 [Part 3: Index to the literature], 1965.

あなたの博物誌. 北苑社, 札幌, 1968. (犬飼哲夫その他と共著).

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