



農業環境技術研究所所蔵の宗林正人アブラムシ科（ 昆虫綱：カメムシ目）コレクション標本目録

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農業環境技術研究所所蔵の宗林正人アブラムシ科 (昆虫綱：カメムシ目) コレクション標本日録

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農業環境技術研究所に寄贈された宗林正人アブラムシ科コレクション4326点908種(亜種を含む)の目録を作成した。コレクションの内容は日本産の標本に加えて、ヨーロッパや中東を含む広範な地域の標本で構成されており、42種のタイプ標本も含まれている。本目録にはこれらの標本情報を掲載している。

I はじめに (Introduction)

アブラムシ科 (Aphididae) は半翅目 (カメムシ目、Hemiptera)、腹吻亜目 (Sternorrhyncha) に属し、ほとんどは植物を吸汁する植食性の昆虫である。植物から吸汁することで直接加害するだけでなく、ウイルス病の媒介をすることでも知られており、農業上重要な害虫が多く含まれる。本科とカサアブラムシ科 (Adelgidae)、ネアブラムシ科 (Phylloxeridae) を含めたアブラムシ類は全世界で約4,500種が知られており、日本からは約700種が記録され、そのうち約200種が農作物や森林の害虫とされている (宗林 2003)。

大阪府立大学農業短期大学部、皇學館大学を歴任された宗林正人博士 (皇學館大学名誉教授) は、国内外でも広く知られたアブラムシ類の研究者で、アブラムシ類の分類学および生態学について数多くの論文や書籍を執筆してこられた (Sorin 1996, 1999, 2001, 2006, 2010, 宗林 1983, 2003, Sorin & Miyazaki 2004, Sorin & Remaudière 1998 など)。宗林博士が研究材料として収集された標本のうち、プレパラート標本約8,000点、およそ550種の標本はフランス国立自然史博物館に2001年に寄贈され、収蔵されているが、それ以外の標本が2012年に農業環境技術研究所の昆虫標本館に寄贈された。国産

の標本コレクションの国外流出が、日本の研究者にとって研究推進上のハンディキャップになることはこれまでも指摘されいるが (吉松ほか, 2011など)、一部とはいえ、比較的まとまった規模のコレクションが国内に保管されることになったのは幸いである。本コレクションの内容はプレパラート標本4341点、属以下のカテゴリまで同定されたものは亜種を含めて908種で、日本産が中心ではあるが、ヨーロッパ、中東、アフリカなど広範な地域の標本が含まれている。また、本コレクションには10種のホロタイプ、32種のシタイプおよび52種のパラタイプが含まれており、学術的にも非常に重要である。このうち本目録には属以下のカテゴリまで同定済みの4326点について収録した。

本コレクションの同定は宗林博士が行ったものを踏襲し、高次分類体系と種名については、世界中のアブラムシ科を網羅的に収録したカタログである Remaudière & Remaudière (1997) に従い、それ以降に記載された種については Favret によるウェブサイト Aphid Species File (Version 5.0/5.0) を参考にした。なお、亜種名について、亜種として同定されているものについては亜種小名を記載したが、亜種が存在する種でも原名亜種として明記されていないものについては種小名までの記述にとどめた。

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標本情報は、各分類群の学名と命名者名、記載年を示した後、原則として以下のように記したが、標本によってはラベルに記載されていない項目があり、その場合、空白のままとした。

- ① [国名 (太字)] (例: **[Japan]**)
- ② スライド枚数 (例: 2 slides)
- ③ 採集地点 (例: Kagoshima, Amami Oshima Is., Funakura)
- ④ 採集年月日 (例: 11.ix.1985)
- ⑤ 採集者 (例: M. Sorin leg.)
- ⑥ 寄主植物 (例: host: *Cornus* sp.)
- ⑦ タイプの種別 (タイプシリーズの場合) (例: holotype, paratypes)
- ⑧ (農環研所蔵昆虫標本番号) (例: 21000000)

同一のラベルデータのスライド標本が1点のみの場合には、スライド枚数は割愛した。採集地点が同じで、採集年月日、採集者、寄主植物のいずれかまたは複数異なる場合、標本番号の前に same locality and collector の様に記し、3件以上ある場合はデータの末尾、標本番号の後にまとめて記述した。この場合、スライドが1枚の場合でも 1 slide と表記した。採集地点が一切不明の場合、[Unknown] と記述した。複数スライドの標本番号については、連番で3点以上のスライドが存在する場合は、下二桁から下四桁を210100057—59のように表記した。タイプ標本のうち、現在、他種のシノニムとして扱われている種については、“paratypes of …” と明記した。なお、採集国名については採集当時の国名を記述した (例: Czechoslovakia, Soviet Union など)。また、寄主植物名については、原則としてラベルに記載されていたものをそのまま記述したが、一部英名や和名で記述されていた種については学名を括弧内に補足した (例: Cherry (*Prunus* sp.), Chinese cabbage (*Brassica rapa pekinensis*) など)。

本目録を作成するにあたり、農業環境技術研究所の塚本麻緒氏には、標本の整理の補助やデータの確認作業で協力いただいた。記してお礼申し上げます。

II 標本目録 (List of specimens)

Subfamily AICEONINAE

1. *Aiceona japonica* Takahashi, 1960
[Japan] Nara, Kasugayama, 25.v.1964, M. Sorin leg., host: *Lindera* sp. (210100001).

2. *Aiceona titabarensis* Raychaudhuri & Ghosh, 1964
[Japan] 2 slides, Kagoshima, Amami Oshima Is., Funakura, 1.iv.1991, Y. Matsumoto leg., host: *Litsea japonica* (210100002, 210100003).

Subfamily ANOECIINAE

3. *Anoecia corni* (Fabricius, 1775)
[Czechoslovakia] 8 slides, Smolenice, 11.ix.1985, M. Sorin leg., host: *Cornus* sp. (210100004—11).

4. *Anoecia fulviabdominalis* (Sasaki, 1899)
[Japan] 2 slides, Osaka, 10.v.1960, M. Sorin leg., host: *Alopecurus* sp. (210100014, 210100015); 2 slides, Osaka, Hirao, 29.vi.1957, M. Sorin leg., host: Gramineae gen. sp. (210100012, 210100013).

5. *Anoecia fulviabdominalis similis* Sorin, 1999
[Japan] Hokkaido, Sapporo, 27.vi.1956, T. Oku leg., host: *Pemphix scidula* (210100017); Ishikawa, Kanazawa, 10.v.1980, M. Sorin leg., host: *Cornus* sp., paratypes (210100018); 1 slide, 25.v.1981, paratypes, same locality, collector and host (210100019); 2 slides, Ishikawa, Tsurugi, 26.iv.2002, I. Togashi leg., host: *Corunus controversa* (210100020, 210100021).

6. *Anoecia ilicicola* Sorin, 1999
[Japan] Mie, Ichishi, Misugi, 2.xi.1965, Z. Yamashita leg., paratypes (210100022).

7. *Anoecia japonica* Sorin, 1999
[Japan] Hokkaido, Sapporo, 24.ix.1962, M. Sorin leg., host: *Pterocarya* sp., paratypes (210100023); 1 slide, host: *Cornus controversa*, paratypes (210100024), 1 slide, host: *Rhododendron schlippenbachii* (210100025), 1 slide, host: *Weigela hortensis* (210100026), same locality, date and collector; Niigata, Kurokawa, 8.xi.1991, K. Baba leg., host: *Ilex* sp. (210100027); Ishikawa, Hakusan, Tsurugi, 8.v.2007, I. Togashi leg., host: *Cornus controversa* (210100028).

8. *Anoecia takahashii* Sorin, 1999
[Japan] Tokyo, iv.1959, Hirose leg., host: Redtop (*Agrostis* cf. *gigantea*) (210100031); 2 slides, Niigata, Kurokawa, 8.xi.1991, K. Baba leg., host: *Ilex nipponica* (210100032, 210100033); Mie, Ise, Mt. Kamiji, 29.vii.2000, M. Sorin leg. (210100060); Osaka,

17.vi.1956, M. Sorin leg., host: Gramineae gen. sp. (210100029); Osaka, Hirao, 29.vi.1957, M. Sorin leg., host: Gramineae gen. sp. (210100030).

9. *Anoecia tanakai* Sorin, 1999

[Japan] Iwate, Morioka, 30.ix.1974, M. Sorin leg., host: *Cornus controversa* (210100049); Tochigi, Utsunomiya, 20.x.1967, M. Sorin leg., host: *Cornus officinalis*, paratypes (210100041); 2 slides, Tochigi, Nikko, 21.x.1967, M. Sorin leg., host: *Staphylea bumalda* (210100042, 210100043); Tokyo, 10.vii.1954, Hirose leg. (210100034); 1 slide, 8.viii.1954, Hirose leg., host: Rice (*Oryza sativa*) (210100035), 1 slide, 7.v.1958, Hirose leg. (210100036), 1 slide, iii.1959, Hirose leg., host: Redtop (*Agrostis cf. gigantea*) (210100037), 1 slide, 10.vii.1959, A. Watase leg. (210100038), 2 slides, x.1960, Hirose leg., host: *Cornus* sp. (210100039, 210100040), 1 slide, 8.viii.1971, Hirose leg., host: Rice (*Oryza sativa*), root (210100046), same locality; 4 slides, Ishikawa, Tsurugi, 5.xi.2003, I. Togashi leg., host: *Cornus controversa* (210100053—56); 3 slides, 27.xi.2003, same locality, collector and host (210100057—59); 2 slides, Mie, Ise, 28.viii.1969, M. Sorin leg., host: *Miscanthus* sp. (210100044, 210100045); Mie, Omiya cho, Fuji, 4.xi.1985, M. Sorin leg. (210100051); Mie, Omiya cho, Koya, 4.xi.1985, M. Sorin leg., host: *Cornus* sp., paratypes (210100052); Kagoshima, Mt. Kirishima, 1.viii.1971, Z. Yamashita leg., host: *Malus spontanea* (210100047); Kagoshima, Tanegashima Is., 4.vi.1973, E. Manabe leg. (210100048); 1 slide, 14.xi.1972, Y. Otsu leg., host: Sugar cane (*Saccharum officinarum*), same locality (210100050).

Subfamily APHIDINAE

Tribe Aphidini

Subtribe Aphidina

10. *Aleurosiphon smilacifoliae* (Takahashi, 1921)

[Japan] 2 slides, Osaka, Hirao, 13.xi.1960, M. Sorin leg., host: *Smilax china* (210100194, 210100195); Osaka, Amanosan, 12.xi.1961, M. Sorin leg., host: *Smilax china* (210100198); 2 slides, Kagawa, Takamatsu, 19.x.1964, M. Sorin leg., host: *Smilax china* (210100196, 210100197).

11. *Aphis* (s. str.) *acetosae* Linnaeus, 1761

[Czechoslovakia] Praha, Podole, 21.v.1970, J. Holman leg., host: *Rumex acetosa* (210103633).

12. *Aphis* (s. str.) *affinis* del Guercio, 1911

[Soviet Union] Tadzikistan, Kondara, 25.v.1972, J. Holman leg., host: *Mentha asiatica* (210103632). **[France]** 4 slides, Haute Savoie, Passy, 22.x.1985, G. Remaudière leg., host: *Mentha* sp. (210103818—21); Turruie 1850 m, Rechadyie, 11.x.1962, G. Remaudière leg. (210103822).

13. *Aphis* (s. str.) *antherici* Holman, 1966

[Czechoslovakia] Bohemia centr., Karlstejn, 1.x.1960, J. Holman leg., host: *Anthericum liliago*, paratypes (210103631).

14. *Aphis* (s. str.) *arbuti* Ferrari, 1872

[France] ENA Nevelt, Mo tperlier, 16.vi.1957, G. Remaudière leg., host: *Aubutus* sp. (210103823).

15. *Aphis* (s. str.) *argrimoniae* (Shinji, 1941)

[Japan] Osaka, Kobuka, 22.v.1960, M. Sorin leg., host: *Agrimonia japonica* (210100061); 2 slides, Osaka, Amanosan, 12.xi.1961, M. Sorin leg., host: *Agrimonia pilosa* (210100062, 210100063).

16. *Aphis* (s. str.) *armata* Hausmann, 1802

[France] Vosges, Pierre, W. Colgrosse, 19.vi.1974, G. Remaudière leg., host: *Digitalis pumpurea* (210103824); Vosges, Col de la Schlucht, 28.vii.1958, G. Remaudière leg., host: *Digitalis pumpurea* (210103825).

17. *Aphis* (s. str.) *ballotica* Szelegiewicz, 1968

[France] 6 slides, Cap. D Agol, 11.v.1985, G. Remaudière leg., host: *Marrubium* sp. (210103826—31). **[Czechoslovakia]** 2 slides, Bohemia merid., Ceske Budejovice, 7.vii.1984, J. Holman leg., host: *Ballota nigra* (210103634, 210103635).

18. *Aphis* (s. str.) *brachysiphon* Narzykulov, 1964

[Soviet Union] 2 slides, Tadzikistan, Kondara, 3.vi.1972, J. Holman leg., host: *Clematis orientalis* (210103636, 210103637).

19. *Aphis* (s. str.) *breviseta* Holman, 1966

[Czechoslovakia] Bohemia merid., Cenkov, 6.x.1966, J. Holman leg., host: *Potentilla arenaria* (210103638).

20. *Aphis* (s. str.) *brohmeri* Börner, 1952
[Czechoslovakia] 2 slides, Bohemia merid., Cesky Krumlov, 8.vi.1984, J. Holman leg., host: *Anthriscus silvestris* (210103639, 210103640).
21. *Aphis* (s. str.) *brunnea* Ferrari, 1872
[France] Herault, Carnon, 18.vii.1957, G. Remaudière leg. (210103835).
22. *Aphis* (s. str.) *bupleuri* (Börner, 1932)
[Czechoslovakia] Bohemia centr., Karistejn, 25.v.1984, J. Holman leg., host: *Bupleurum falcatum* (210103641); Brno, Botan. Zahr., 24.ix.1967, J. Holman leg., host: *Bupleurum falcatum* (210103642).
23. *Aphis* (s. str.) *cacaliasteris* Hille Ris Lambers, 1947
[France] 2 slides, Bas Rhin, W. Orbey, 21.vi.1974, G. Remaudière leg., host: *Senecio nemoralis* (210103837, 210103851); Vosges, Le Donon, 24.vi.1974, G. Remaudière leg., host: *Senecio nemoralis* (210103836); Haut Rhin, Lac d Alfred, 22.vi.1974, G. Remaudière leg., host: *Senecio nemoralis* (210103838); Buchy, 22.vii.1955, Noury leg., host: *Capsella bursa-pastoris* (210103839). **[Czechoslovakia]** Bohemia occ., Klova u K. Var., 6.vii.1963, J. Holman leg., host: *Senecio nemorensis* (210103643).
24. *Aphis* (s. str.) *calaminthae* (Börner, 1952)
[France] Haute Savoie, Passy, La Combe, 22.x.1985, G. Remaudière leg., host: *Calaminta officinalis* (210103852); 1 slide, 16.x.1998, host: *Calamintha acinos*, same locality and collector (210103853).
25. *Aphis* (s. str.) *callunae* Theobald, 1915
[Unknown] 31.vi.1962, Remaudière leg., host: *Callune onlgar* (210100065).
26. *Aphis* (s. str.) *caroliboernerii* (Remaudière, 1952)
[France] Herault, Gignac, 22.vii.1957, G. Remaudière leg. (210103841).
27. *Aphis* (s. str.) *catalpae* Mamontova, 1953
[Soviet Union] Tadzikistan, Bot. sad., Dusanbe, 9.vi.1972, J. Holman leg., host: *Catalpa bignonioides* (210103644).
28. *Aphis* (s. str.) *celastrii* Matsumura, 1917
[Japan] Ishikawa, Mt. Hakusan, 15.vi.1979, I. Togashi leg., host: *Weigela hortensis* (210100066).
29. *Aphis* (s. str.) *chloris* Koch, 1854
[Czechoslovakia] Bohemia centr., Karlstejn, 10.x.1971, J. Holman leg., host: *Hypericum perforatum* (210103645). **[Unknown]** 17.vi.1947, Remaudière leg., host: *Hypericum pliporatum* (210100067).
30. *Aphis* (s. str.) *cisticola* Leclant & Remaudière, 1972
[France] Cap. D Agol (?), G. Remaudière leg. (210103855).
31. *Aphis* (s. str.) *clematidis* Koch, 1854
[France] Entre Foyeuce et Drageugnen, 8.viii.1951, G. Remaudière leg., host: *Clematis necta* (210103857). **[Czechoslovakia]** Slovakia orient., Spis. Podhradie, 1.vii.1984, J. Holman leg., host: *Clematis recta* (210103647). **[Unknown]** Leclant leg., host: *Clematis* sp. (210103856).
32. *Aphis* (s. str.) *clerodendri* Matsumura, 1917
[Japan] 3 slides, Ishikawa, Mt. Hakusan, 2.xi.1979, I. Togashi leg., host: *Clerodendron* sp. (210100068—70).
33. *Aphis* (s. str.) *commensalis* Stroyan, 1952
[Czechoslovakia] Slovakia merid., Cenkov, 26.vi.1984, J. Holman leg., host: *Rhamnus cathartica* (210103648).
34. *Aphis* (s. str.) *confusa* Walker, 1849
[France] 2 slides, Vaucluse, W. Avignon, 8.ix.1969, G. Remaudière leg., host: *Scabiosa* sp. (210103847, 210103848). **[Czechoslovakia]** Slovakia occ., Vrbovce, 21.v.1967, J. Holman leg., host: *Knautia arvensis* (210103649); Bohemia centr., Karlstejn, 10.x.1971, J. Holman leg., host: *Knautia arvensis* (210103650).
35. *Aphis* (s. str.) *coreopsidis* (Thomas, 1878)
[Mexico] 2 slides, Ojo de Agus, 16.x.1981, J. Holman & R. P. Mart leg., host: *Sacharis* sp. (210103651, 210103652).
36. *Aphis* (s. str.) *coronillae* Ferrari, 1872
[Czechoslovakia] Bohemia centr., Praha, Podole, 8.x.1971, J. Holman leg., host: *Vicia cracca* (210103653). **[Spain]** Leon, Murias de Pades, 1250 m, 29.vi.1985, Remaud. & Nieto leg.,

host: *Lathyrus pratensis* (210103858).

37. *Aphis* (s. str.) *craccae* Linnaeus, 1758

[Denmark] NWI, Nors So Thy, Tueker, 5.viii.1981, O. Heie leg., host: *Vicia cracca* (210103767). **[France]** 2 slides, Haute Savoie, Passy, La Combe, 31.vii.1981, G. Remaudière leg., host: *Vicia* sp. (210103842, 210103843). **[Czechoslovakia]** Bohemia merid., Purkarec, 16.vi.1984, J. Holman leg., host: *Vicia cracca* (210103654).

38. *Aphis* (s. str.) *craccivora* Koch, 1854

[Japan] Shiga, Kusatsu, Oiwake, 31.viii.2002, A. Ohtake leg., host: *Vicia sativa* (210100085); Osaka, 4.vi.1956, M. Sorin leg., host: *Acacia* sp. (210100072); 1 slide, 8.i.1961, host: *Vicia fava*, same locality and collector (210100077); Osaka, Kuroyama, 3.viii.1960, M. Sorin leg., host: *Phaseolus radiatus aurea* (210100073); 3 slides, 8.viii.1960, same locality, collector and host (210100074—76), 1 slide, 21.i.1961, host: *Vicia fava*, same locality and collector (210100078); Osaka, Hirao, 5.ii.1961, M. Sorin leg., host: *Vicia fava* (210100079); 2 slides, Nara, Tomio, 27.viii.2004, Y. Kimura leg., host: *Gomphrena globosa* (210100080, 210100084); 3 slides, Yamaguchi, Agenosho, 17.vi.1966, T. Kato leg., host: *Citrus* sp. (210100081—83); Okinawa, Higashi son, 23.iv.1982, Ikeyama leg. (210100086); 1 slide, 19.iv.1982 (210100087), 1 slide, late.iv.1982 (210100089), same locality and collector.

39. *Aphis* (s. str.) *cytisorum* Hartig, 1841

[France] Val de Marne, La Varenne, 9.vi.1984, G. Remaudière leg., host: *Spantium* sp. (210103844); 1 slide, 9.vi.1984, same locality, collector and host (210103845). **[Czechoslovakia]** Bohemia centr., Praha, Podole, 8.x.1971, J. Holman leg., host: *Cytisus laburnum* (210103655).

40. *Aphis* (s. str.) *cytisorum sarothamni* Franssen, 1928

[France] Drome 1100 m, Lue eu Diois, 20.vi.1969, Remaudière & Lecl. leg. (210103963).

41. *Aphis* (s. str.) *dasiphorae* Holman & Szelegiewicz, 1971

[Soviet Union] Transbaicalia, Obl. Cita, Baisa, Nacholonda, 26.vi.1961, O. Tshernova leg., host: *Dasyphora* cf. *parrifolia* (210103656).

42. *Aphis* (s. str.) *equiseticola* Ossiannilsson, 1964

[Czechoslovakia] Bohemia occ., Nimrod, Marianske Lazne, 10.vii.1983, J. Holman leg., host: *Equisetum silvaticum* (210103658).

43. *Aphis* (s. str.) *eryngioglomerata* Bozhko, 1963

[Czechoslovakia] Bohemia sept., Rana u Loun, 22.ix.1964, J. Holman leg., host: *Eringium campestre* (210103659).

44. *Aphis* (s. str.) *eugeniae* van der Goot, 1917

[Vietnam] Ho Chi Minh Ville, 6.x.1984, B. Papierok leg. (210100095). **[Pakistan]** Islamabad, 1.xi.1987, Nauman Etienne leg., host: *Eriobotrya japonica* (210100096).

45. *Aphis* (s. str.) *euphorbiae* Kaltenbach, 1843

[France] 2 slides, Bas Rhin, E. Bitche 8 km, 25.vi.1974, G. Remaudière leg., host: *Euphorbia cyparissiae* (210103859, 210103860); Col de Puymorens 1750—1850 m, 18.ix.1952, G. Remaudière leg., host: *Euphorbia cyparissiae* (210103861). **[Czechoslovakia]** Slovakia centr., Hrinova, 14.vii.1957, P. Stary leg., host: *Euphorbia* sp. (210103660).

46. *Aphis* (s. str.) *fabae* Scopoli, 1763

[Japan] 2 slides, Okinawa, Higashi son, iii.1982, Ikeyama leg. (210100097, 210100098); 1 slide, 23.iv.1982 (210100099), 2 slides, iv.1982 (210100100, 210100101), 1 slide, 24.iv.1982 (210100102), early.v.1982 (210100103), same locality and collector. **[England]** 7 slides, Imperial college, iii.1983, K. Kawada leg. (210100104—110). **[France]** Gironde, Landiras, 8.vii.1982, G. Remaudière leg., host: *Cysinin* sp. (210103846). **[Mexico]** Guanajuato, Acambora, 18.viii.1984, J. Holman leg., host: *Montanda grandiflora* (210103646); Valle de Conejos, 12.x.1984, J. Holman leg., host: *Senecio salignus* (210103661).

47. *Aphis* (s. str.) *farinosa* Gmelin, 1790

[Japan] 4 slides, Ishikawa, Tsurugi, 25.v.2004, I. Togashi leg., host: *Salix bakko* (210100111—114). **[France]** Ille et Vilaine, N. Vitre, 11.vi.1970, G. Remaudière leg., host: *Senecio nemoralis* (210103850). **[Switzerland]** 2 slides, Vallec de la Bieire, 15.vi.1984, G. Remaudière leg., host: *Salix* sp. (210103862, 210103863). **[Czechoslovakia]** Bohemia centr., Pruhonice, 26.v.1984, J. Holman leg., host: *Salix alba* (210103662).

48. *Aphis* (s. str.) *farinosa yanagicola* Matsumura, 1917
[Japan] 2 slides, Yamanashi, Daibosatsu toge, 15.vii.1971, M. Kono leg. (210100116, 210100117); Nagano, Kisofukushima, 2.vi.1985, M. Sorin leg., host: *Salix* sp. (210100118); Wakayama, Kimi toge, 5.vii.1963, M. Sorin leg., host: *Salix japonica* (210100115).
49. *Aphis* (s. str.) *forbesi* Weed, 1889
[Romania] Județul Brasov, Risnov, 22.vii.1977, J. Holman leg., host: *Fragaria* sp. (210103663).
50. *Aphis* (s. str.) *frangulae* Kaltenbach, 1845
[France] 5 slides, Venolays, 27.v.1983, G. Remaudière leg., host: *Rhamnus frangula* (210103867—71).
51. *Aphis* (s. str.) *fukii* Shinji, 1922
[Japan] Niigata, 13.v.1956, K. Shibata leg., host: *Arctium lappa* (210100119); Mie, Iitaka cho, Hachisu, 26.vii.1959, M. Sorin leg., host: *Petasites japonicus* (210100121); Osaka, 15.i.1957, R. Takahashi leg., host: *Petasites japonicus* (210100120); Nara, Mt. Wasamata, 1.vii.1987, M. Sorin leg., host: *Petasites japonicus* (210100122).
52. *Aphis* (s. str.) *fumanae* Remaudière & Leclant, 1972
[France] 2 slides, 11.vi.1983, G. Remaudière leg., host: *Fumana* sp. (210103865, 210103866). **[Switzerland]** Alpes Maritimes, Loda, alt. 600 m, 9.v.1969, Remaudière & Lecl. leg., host: *Fumana levipes*, paratypes (210103864).
53. *Aphis* (s. str.) *funitecta* (Börner, 1950)
[Czechoslovakia] Slovakia orient., Cingov, 30.vi.1984, J. Holman leg., host: *Bupleurum longifolium* (210103664).
54. *Aphis* (s. str.) *galiiscabri* Schrank, 1801
[France] Vallee de la Lorn Joselle, 26.vi.1974, G. Remaudière leg., host: *Galium* sp. (210103872); Vallee de St Quirin Joselle, 24.vi.1974, G. Remaudière leg., host: *Galium* sp. (210103873). **[Czechoslovakia]** Slovakia centr., Halier, 27.vi.1984, J. Holman leg., host: *Galium spurium* (210103665); Slovakia merid., Kamenican. Hron., 21.x.1961, J. Holman leg., host: *Galium* sp. (210103666).
55. *Aphis* (s. str.) *genistae* Scopoli, 1763
[France] Sence Antie, Mogent, Le Meriot, 15.vii.1962, G. Remaudière leg., host: *Genista tinctoria* (210103874). **[Czechoslovakia]** Slovakia orient., Cingov, 30.vi.1984, J. Holman leg., host: *Genista tinctoria* (210103667).
56. *Aphis* (s. str.) *gentianae* (Börner, 1940)
[Soviet Union] Krym, Angarskij Pereval, 10.vii.1960, J. Holman leg., host: *Gentiana cruciata* (210103668).
57. *Aphis* (s. str.) *glareosae* Bozhko, 1959
[Czechoslovakia] Slovakia merid., Kamanica n. Hrohóm, 3.vi.1961, J. Holman leg., host: *Euphorbia glaraosa* (210103669).
58. *Aphis* (s. str.) *glycines* Matsumura, 1917
[Japan] Ishikawa, Nonoichi, 15.vii.1988, I. Togashi leg., host: *Glycine max* (210100123).
59. *Aphis* (s. str.) *gossypii* Glover, 1877
[Japan] Nagano, Hara mura, 8.viii.1986, M. Sorin leg., host: *Isodon umbrosus* (210100137); Nagano, Nagano, 28.ix.1986, M. Sorin leg., host: *Fagopyrum esculentum* (210100138); Shizuoka, Okitsu, 22.iv.1977, S. Komazaki leg., host: *Citrus* sp. (210100124); Aichi, Nagoya, 28.iv.1987, M. Sorin leg., host: *Eucalyptus globulus* (210100139); 2 slides, Shiga, Otsu, Seta, 8.v.1999, A. Ohtake leg., host: *Rhaphiolepis umbellata mertensii* (210100147, 210100148); 2 slides, Shiga, Kusatsu, Oiwake, 31.iii.2002, A. Ohtake leg., host: *Solidago altissima* (210100151, 210100152); 2 slides, Osaka, Habikino, 14.vi.1999, H. Tanaka leg., host: *Cryptotaenia canadensis* (210100149, 210100150); 3 slides, Nara, Kashihara, 15.iv.1990, M. Sorin leg., host: *Aquilegia* sp. (210100140—42); 1 slide, 23.iii.1992, T. Sorin leg., host: *Crocus* sp., same locality (210100143); Shimane, Naganun, Asahi, 4.vii.1986, M. Miyazaki leg., host: Pear (*Pyrus* sp.) (210100136); Fukuoka, Kurosaki, 26.v.1956, host: Apple (*Malus pumila*) (210100176); Okinawa, Shimajiri, Haebaru, 30.iii.1982, Ikeyama leg., host: Sugar cane (*Saccharum officinarum*) (210100125); Okinawa, Higashi son, late.iii.1982, Ikeyama leg. (210100126), 1 slide, 31.iii.1982, host: *Miscanthus* sp. (210100132), 3 slides, early.iv.1982, (210100127, 210100128, 210100130), 1 slide, 19.iv.1982 (210100133), 1 slide, 23.iv.1982 (210100129), 2 slides, late.iv.1982 (210100134, 210100135), sama locality and collector. **[Thailand]** Chiang Mai, Han Dong, 27.iii.1979, K. Yasumatsu leg., host: Rice (*Oryza sativa*) (210100131). **[Pakistan]** 3 slides, ix.1985, G. Remaudière leg., host: Cucurbitaceae gen. sp. (210103895, 210103897).

210103898); 2 slides, Matiltan, ix.1985, G. Remaudière leg., host: *Gossypium* sp. (210103899, 210103900). **[France]** La Reunion, Pointe 3 Bussing, 14.vii.1972, Etienne leg., host: *Psidium guajava raddi* (210103876); La Reunion, Taupou 600 m, 23.ix.1973, Etienne leg., host: *Psidium guajava raddi* (210103878); La Reunion, Cilaos, 13.ix.1973, Etienne leg., host: *Waltheria americana* (210103879); La Reunion, Paul, La Plaine, 19.ix.1973, Etienne leg., host: *Hibiscus liliiflorus* (210103880); 2 slides, La Reunion, Mouflia, 16.vi.1973, Etienne leg., host: *Hibiscus sabdorra* (210103881, 210103888); La Reunion, La Bretagne, 12.vii.1973, Etienne leg., host: *Solanum nigrum* (210103882); La Reunion, Ste elotilole, 8.x.1971, Etienne leg., host: *Hibiscus* sp. (210103884); 2 slides, La Reunion, Plaine des palusistes, 2.xii.1974, Etienne leg., host: *Terminalia cakappa* (210103891, 210103892); 2 slides, Tahiti, Maina, 3.i.1976, G. Remaudière leg., host: *Compositae indeter* (210103875, 210103890); 2 slides, 28.xii.1975, host: *Hibiscus tiliaceus*, same locality (210103889, 210103893); Tahiti, Nord, 9.i.1976, G. Remaudière leg., host: *Hibiscus tiliaceus* (210103885); 2 slides, host: *Tradescantia* sp., same locality, date and collector (210103886, 210103887); Toulouse, Chovanlou leg., host: *Cotonnier gossypium* (210103894); Rennes, Serrc, 3.ix.1971, Rabasse leg., host: *Daucus larota* (210103877). **[Paraguay]** 3 slides, 17.iii.1999, H. Kimura leg., host: *Portulaca* sp. (210100144—46).

60. *Aphis* (s. str.) *hederae* Kaltenbach, 1843

[France] La Varenne, 23.xi.1952, G. Remaudière leg., host: *Hedera helix* (210103902); 2 slides, Val de Marne, La Varschne, 9.xii.1984, G. Remaudière leg., host: *Hedera helix* (210103903, 210103904). **[Czechoslovakia]** Praha, Botanical garden, 13.vi.1984, J. Holman leg., host: *Hedera helix* (210103672).

61. *Aphis* (s. str.) *helianthemi* Ferrari, 1872

[France] 2 slides, Alpes Maritimes 350 m, la Riviere, St Jeun, 11.v.1969, Remaudière & Lecl. leg., host: *Helianthemum* sp. (210103905, 210103906). **[Czechoslovakia]** 2 slides, Bohemia merid., Purkarec, 16.vi.1984, J. Holman leg., host: *Helianthemum nummularium* (210103673, 210103674).

62. *Aphis* (s. str.) *helianthi* Monell, 1873

[USA] Utah, Tony Grove Canyon, 12.viii.1978, GFK leg., host: *Helianthus nuttallii* (210103768); Utah, Cowley Canyon, 31.viii.1978, GFK leg., host: *Heracleum lanatum* (210103769).

[Mexico] 2 slides, San Dieguito, 30.viii.1981, J. Holman leg., host: *Angelica nelsoni* (210103675, 210103676).

63. *Aphis* (s. str.) *hieracii* Schrank, 1801

[Czechoslovakia] Bohemia merid., Ceske Budejovice, 17.vi.1983, J. Holman leg., host: *Hieracium umbellatum* (210103677).

64. *Aphis* (s. str.) *hillerislambersi* Nieto Nafria & Mier Durante, 1976

[France] Herault, N. Pesenas, 13.v.1985, G. Remaudière leg., host: *Euphorbia serrata* (210103907).

65. *Aphis* (s. str.) *horii* Takahashi, 1923

[Japan] Hokkaido, near Shikotsuko, 23.ix.1962, M. Sorin leg., host: *Sambucus sieboldiana typica* (210100182); Kanagawa, Hatano, 11.x.1969, Nakazawa leg. (210100184); 1 slide, 28.x.1969, same locality and collector (210100183); 2 slides, Niigata, Nishikanbara, Takeno, 22.x.1980, A. Arakawa leg., host: *Sambucus sieboldiana* (210100153, 210100154).

66. *Aphis* (s. str.) *ichigo* Shinji, 1922

[Japan] Niigata, Iwafune, Asahi mura, 3.vii.1992, K. Baba leg., host: *Rubus* sp. (210100156); Mie, Kawakami, 31.vii.1967, M. Sorin leg., host: *Rubus* sp. (210100155).

67. *Aphis* (s. str.) *idaei* van der Goot, 1912

[France] Haut Rhin, Sewen, 29.v.1974, G. Remaudière leg., host: *Rubus idaeus* (210103908); La Varenne, 19.vi.1965, Remaudière leg., host: *Rubus idaeus* (210100157). **[Czechoslovakia]** Bohemia merid., Stribric, 7.vi.1984, J. Holman leg., host: *Rubus idaeus* (210103678).

68. *Aphis* (s. str.) *ilicis* Kaltenbach, 1843

[France] Foutaine topotu Forest, 14.vii.1951, Remaudière leg., host: *Ilex aquifolium* (210100158); Gironde, Gradignan, 4.vii.1986, G. Remaudière leg., host: *Ilex aquifolium* (210103909); Seine et Marne, Fontainebleau, 27.iv.1965, Balachowsky leg., host: *Ilex aquifolium* (210103910).

69. *Aphis* (s. str.) *intybi* Koch, 1855

[Iran] Chemchak, 20.v.1955, Remaudière leg., host: *Cichorium intybus* (210100159). **[France]** 2 slides, Herault, 5.v.1985, G. Remaudière leg., host: *Cichorium* sp. (210103911, 210103912).

[Czechoslovakia] Bohemia centr., Klštejn, 10.x.1971, J. Holman leg., host: *Cichorium intybus* (210103679).

70. *Aphis* (s. str.) *jacobaeae* Schrank, 1801

[France] Calvados, Saluelle, 24.vii.1954, Remaudière leg., host: *Senecio jacobaea* (210100160); Seine et Marne, Ecole, Soisy, 28.v.1953, G. Remaudière leg., host: *Senecio jacobaea* (210103913). **[Czechoslovakia]** Slovakia merid., Bukova (M. Karpaty), 29.vii.1982, J. Holman leg., host: *Senecio jacobaea* (210103713).

71. *Aphis* (s. str.) *janischi* (Börner, 1940)

[Romania] Județul Mehedinți, Gura Vaii, 24.vii.1977, J. Holman leg., host: *Cirsium* sp. (210103680).

72. *Aphis* (s. str.) *kurosawai* Takahashi, 1921

[Japan] Nagano, Matsushiro, vii.1986, N. Hirukawa leg., host: *Artemisia* sp. (210100162); Mie, Taki, 13.viii.1961, M. Sorin leg., host: *Artemisia* sp. (210100161).

73. *Aphis* (s. str.) *lambersi* (Börner, 1940)

[France] S. Finistere, Palud, Ste Aunela, 9.xi.1970, G. Remaudière leg., host: *Daucus carota* (210103917). **[Romania]** Județul Constanta, Mamaia, 11.vii.1976, J. Holman leg., host: *Daucus carota* (210103681).

74. *Aphis* (s. str.) *lantanae* Koch, 1854

[France] Hautes Alpes, Vars 1400 m, 22.vi.1969, Remaudière & Lecl. leg., host: *Viburnum laufana* (210103918). **[Czechoslovakia]** 2 slides, Slovakia centr., Stankovany, 24.vi.1974, J. Holman leg., host: *Viburnum lantana* (210103682, 210103683).

75. *Aphis* (s. str.) *leontodontis* (Börner, 1950)

[France] Hérault, Mireval, 6.v.1985, G. Remaudière leg., host: *Lamium* sp. (210103914). **[Czechoslovakia]** Mazice, 13.ix.1963, J. Holman leg., host: *Lemontodon hispidus* (210103684).

76. *Aphis* (s. str.) *lichtensteini* Leclant & Remaudière, 1972

[France] 3 slides, Pyrenees Orientales, Tarerach, 24.v.1985, G. Remaudière leg., host: *Helianthwrum umbellatum* (210103915, 210103916, 210103920)

77. *Aphis* (s. str.) *lini* (Bozhko, 1959)

[Czechoslovakia] Slovakia merid., Cenkov, 26.vi.1984, J. Holman leg., host: *Linum austriacum* (210103685).

78. *Aphis* (s. str.) *longirostrata* Hille Ris Lambers, 1966

[Czechoslovakia] Slovakia merid., Velke Ciky, 17.vii.1979, J. Holman leg., host: *Plantago maritima* (210103686).

79. *Aphis* (s. str.) *loti* Kaltenbach, 1862

[France] Seine et Marne, Jouy sur Morin, 15.vi.1958, G. Remaudière leg. (210103919).

80. *Aphis* (s. str.) *mamonthovae* Davletshina, 1964

[Czechoslovakia] Slovakia merid., Sturovo, 19.x.1961, J. Holman leg., host: *Verbena officinalis* (210103688).

81. *Aphis* (s. str.) *nasturtii* Kaltenbach, 1843

[Soviet Union] Obl. Moskva, Kraskovo, 27.vi.1960, J. Holman leg., host: *Nasturtium* sp. (210103689). **[France]** Hérault, Clapiers, 21.vii.1957, G. Remaudière leg., host: *Paliurus austrakis* (210103921). **[Czechoslovakia]** Bohemia merid., Ceske Budejovice, 7.vii.1981, J. Holman leg., host: *Rorripa amphibias* (210103690).

82. *Aphis* (s. str.) *neospiraeae* Takahashi, 1966

[Soviet Union] Transbaicalia, Obl. Cita, 3.vii.1961, O. Tshernova leg., host: *Spiraea salicifolia*, paratypes (210103735).

83. *Aphis* (s. str.) *nerii* Boyer de Fonscolombe, 1841

[Japan] Mie, Ise, 3.x.1999, M. Sorin leg., host: *Asclepias verticillata* (210100164); 1 slide, 4.xii.1978, host: *Cynanchum japonicum*, same locality and collector (210100163).

84. *Aphis* (s. str.) *newtoni* Theobald, 1927

[Denmark] Jyll., Viborg, 24.vii.1974, O. Heie leg., host: *Iris* sp. (210103770). **[France]** Aube, Le Uerriot, 14.vii.1967, G. Remaudière leg., host: *Iris* sp. (210103922); Fontaineblan, 21.vi.1962, Remaudière leg., host: *Iris* sp. (210100165). **[Czechoslovakia]** Bohemia occ., Rabi, 5.vi.1985, J. Holman leg., host: *Iris* sp. (210103691); Moravia merid., Zidlochovice, 24.vi.1984, J. Holman leg., host: *Iris sibirica* (210103692).

85. *Aphis* (s. str.) *odorikonis* Matsumura, 1917

[Japan] Ishikawa, Kanazawa, 10.v.1981, M. Sorin leg., host:

Lamium album barbatum (210100169); 3 slides, Osaka, Kawachinagano, Yokoyama, 29.ix.1963, M. Sorin leg., host: *Galium* sp. (210100166—68).

86. *Aphis* (s. str.) *oesthundi* Gillette, 1927

[Mexico] 2 slides, Chapingo, 23.viii.1981, J. Holman leg., host: *Oenothera laciniata* (210103695, 210103696).

87. *Aphis* (s. str.) *origani* Passerini, 1860

[France] 2 slides, Haut Rhin, Colmar, 28.v.1974, G. Remaudière leg., host: *Origanum vulgare* (210103923, 210103924).

88. *Aphis* (s. str.) *parietariae* Theobald, 1922

[France] Alpes Maritimes, Saint Jean la Riviere, 16.ix.1969, G. Remaudière leg., host: *Parietaria* sp. (210103925); Var, St. Laebarie, 24.ii.1970, G. Remaudière leg., host: *Parietaria* sp. (210103926). **[Hungary]** 2 slides, Szigliget to Veszprem, 28.vii.1977, J. Holman leg., host: *Parietaria officinalis* (210103698, 210103699). **[Unknown]** 30.vi.1952, host: *Parietaria* sp. (210103927).

89. *Aphis* (s. str.) *patriniae* Takahashi, 1966

[Japan] Hokkaido, Mt. Taisetsu, 8.vii.1970, Z. Yamashita leg., host: *Sorbus matsumurana* (210100172); Mie, Iitaka cho, Hachisu, 30.viii.1979, M. Sorin leg., host: *Patrinia villosa* (210100173).

90. *Aphis* (s. str.) *pilosellae* (Börner, 1952)

[France] Var, Six Fomis, 13.ix.1958, G. Remaudière leg., host: *Hieracium pilosella* (210103928).

91. *Aphis* (s. str.) *plantaginis* Goeze, 1778

[Japan] Niigata, Kurokawa, 23.vi.1992, K. Baba leg., host: *Plantago asiatica* (210100174). **[Turkey]** Digarbaki, 7.x.1962, G. Remaudière leg., host: *Plantago luajor* (210103929). **[France]** Hautes Alpes 1100 m, S. la Roche de Raure, 22.vi.1969, Remaudière & Lecl. leg., host: *Plantago lanceolata* (210103930).

92. *Aphis* (s. str.) *podagrariae* Schrank, 1801

[France] Haute Savoie, Passy, La Combe, 15.viii.1985, G. Remaudière leg., host: *Aegopodium podagraria* (210103931); 1 slide, 4.viii.1986 (210103933), 1 slide, 18.x.1998 (210103932),

same locality, collector and host.

93. *Aphis* (s. str.) *pollinaria* (Börner, 1952)

[Czechoslovakia] Bohemia merid., Purkarec, 20.vii.1984, J. Holman leg., host: *Epilobium obscurum* (210103697).

94. *Aphis* (s. str.) *polygonacea* Matsumura, 1917

[Japan] Mie, Kawakami, 31.vii.1967, M. Sorin leg., host: *Polygonum Reynoutria* (210100175).

95. *Aphis* (s. str.) *polygonata* (Nevsky, 1929)

[France] 2 slides, Herault, 25.viii.1951, host: *Polygonum* sp. (210103934, 210103935); Passy, La Combe, 20.x.1998, G. Remaudière leg., host: *Polygonum* sp. (210103936). **[Netherlands]** Bennekom, 27.ix.1971, H. R. L. leg., host: *Polygonum aviculare* (210103766).

96. *Aphis* (s. str.) *pomi* de Geer, 1773

[England] Waddesdon, Bucks, 27.viii.1966, V. F. Eastop leg., host: *Malus grieve* (210103939). **[France]** Haut Rhin, Colmar, 28.v.1974, G. Remaudière leg., host: *Crataegus* sp. (210103938). **[Unknown]** G. Remaudière leg. (210103937).

97. *Aphis* (s. str.) *praeterita* Walker, 1849

[England] Cirencester, Gloucs, 1.x.1957, L. W. Grensted leg., host: *Epilobium hirsutum* (210100093). **[France]** Hautes Alpes, Seyues, 13.ix.1969, G. Remaudière leg., host: *Epilobium hirsutum* (210103940); Yonne, Tloriguy, 17.viii.1958, G. Remaudière leg., host: *Teucrium scorodonia* (210103967). **[Czechoslovakia]** Bohemia merid., Kolodeje n. Luzn., 10.vi.1984, J. Holman leg., host: *Epilobium hirsutum* (210103700).

98. *Aphis* (s. str.) *proffti* (Börner, 1942)

[France] Gironde, Leognan, 12.xi.1952, G. Remaudière leg. (210103941). **[Czechoslovakia]** Slovakia orient., Domic, 28.vi.1984, J. Holman leg., host: *Agrimonia procera* (210103701).

99. *Aphis* (s. str.) *pseudocytisorum* Hille Ris Lambers, 1967

[France] Foret de la St. Baum, 10.viii.1951, G. Remaudière leg., host: *Cytisus tripleonus* (210103942).

100. *Aphis* (s. str.) *pulsatillicola* Holman, 1966

[Czechoslovakia] Bohemia centr., Listice u Bevouna,

- 17.v.1963, J. Holman leg., host: *Pulsatilla pratensis nigricans*, *paratypes* (210103702).
101. *Aphis* (s. str.) *punicae* Passerini, 1863
[Iran] 2 slides, Deh Bakri, 20.vi.1955, host: *Punica granatum* (210103944, 210103945). **[Turkey]** 2 slides, Elazig, 13.x.1962, G. Remaudière leg., host: *Punica granatum* (210103943, 210103946).
102. *Aphis* (s. str.) *roepkei* (Hille Ris Lambers, 1931)
[Czechoslovakia] Moravia merid., Brno, 1.ix.1983, J. Holman leg., host: *Potentilla reptans* (210103703).
103. *Aphis* (s. str.) *ruborum* (Börner, 1932)
[Denmark] Copenhagen, Emdrup, 22.vi.1982, O. Heie leg., host: *Rubus fruticosus* (210103771). **[France]** 2 slides, Foret Fontainebleum, 14.vii.1951, host: *Rubus* sp. (210103947, 210103948); Var, 1.iii.1972, G. Remaudière leg., host: *Rubus* sp. (210103949). **[Czechoslovakia]** Slovakia centr., Nova Basta, 24.v.1967, J. Holman leg., host: *Rubus plicatus* (210103704).
104. *Aphis* (s. str.) *rumicis* Linnaeus, 1758
[Japan] Ishikawa, Mt. Funaoka, 22.vi.2008, I. Togashi leg., host: *Akebia quinata* (210100178); Kagawa, Zentsuji, 30.v.1979, K. Yamamoto leg., host: *Rumex* sp. (210100177). **[France]** Haut Rhin, Wiktzenheim, 29.v.1974, G. Remaudière leg., host: *Rumex* sp. (210103953); Passy, La Combe, 27.x.1983, G. Remaudière leg., host: *Rumex* sp. (210103954). **[Czechoslovakia]** Bohemia merid., Ceske Budejovice, 20.vi.1983, J. Holman leg., host: *Rumex crispus* (210103705).
105. *Aphis* (s. str.) *salicariae* Koch, 1855
[Soviet Union] Obl. Moskva, Abramcevo, 9.vii.1967, J. Holman leg., host: *Chamaenerion angustifolium* (210103706). **[England]** 2 slides, Surrey, Kew, 29.viii.1966, V. F. Eastop leg., host: *Chamaenerion angustifolium* (210100064, 210100071). **[France]** Isere, Bourg d Oisans, 16.vi.1972, G. Remaudière leg., host: *Cornus sanguinea* (210103956); Isere, E. Bourg d Oisans 4 km, 28.v.1970, G. Remaudière leg., host: *Cornus sanguinea* (210103957).
106. *Aphis* (s. str.) *salsolae* (Börner, 1940)
[Unknown] 2 slides, 9.x.1962, host: *Kochia* sp. (210103958, 210103959).
107. *Aphis* (s. str.) *salviae* Walker, 1852
[France] Herault, S. de Vias, 12.v.1985, G. Remaudière leg., host: *Salvia verbenaca* (210103960). **[Switzerland]** Devoggioti, 22.viii.1962, G. Remaudière leg., host: *Salvia* sp. (210103955). **[Czechoslovakia]** Bohemia centr., Kallistejin, 10.x.1971, J. Holman leg., host: *Salvia pratensis* (210103707).
108. *Aphis* (s. str.) *sambuci* Linnaeus, 1758
[Japan] 2 slides, Mie, Ise, 19.v.1972, M. Sorin leg., host: *Chenopodium album*, root (210100180, 210100181). **[Denmark]** Boenholm, Rytterknogten, 3.vi.1981, O. Heie leg., host: *Sambucus nigra* (210103772). **[France]** Boissy, 16.vi.1949, Remaudière leg., host: *Sambucus nigra* (210100179). **[Czechoslovakia]** Slovakia merid., Dobra Voda, 28.vii.1982, J. Holman leg., host: *Sambucus racemosa* (210103709). **[Romania]** Bucuresti, 20.x.1983, J. Holman leg., host: *Sambucus nigra* (210103708).
109. *Aphis* (s. str.) *sanguisorbae* Schrank, 1801
[France] 2 slides, Herault, Mirenl, 6.v.1985, G. Remaudière leg., host: *Poterium* sp. (210103961). **[Czechoslovakia]** Bohemia merid., Ceske Budejovice, 22.vii.1984, J. Holman leg., host: *Sungisorba officinalis* (210103710).
110. *Aphis* (s. str.) *sanguisorbicola* Takahashi, 1966
[Japan] 2 slides, Nagano, Kirigamine, 26.vii.1996, M. Sorin leg., host: *Sungisorba officinalis* (210100186, 210100187); 1 slide, 28.vii.1996, same locality, collector and host (210100188); Okayama, Kurashiki, 17.v.1985, K. Kawada leg. (210100185).
111. *Aphis* (s. str.) *schulderi* (Börner, 1940)
[France] 2 slides, S. O., Cheunevierus, 6.vi.1954, Nicolas leg., host: *Ribes rubrum* (210103964, 210103965); Yonne, Sens, 23.v.1953, G. Remaudière leg., host: *Ribes rubrum* (210103966). **[Czechoslovakia]** Slovakia merid., Sturovo, 27.vi.1984, J. Holman leg., host: *Peucedanum alsaticum* (210103711).
112. *Aphis* (s. str.) *sedi* Kaltenbach, 1843
[Japan] 7 slides, Oita, Kunisaki, Tomikura, 8.xii.2010, Y. Kameishi leg., host: *Sedum iwarenge* (210100189—93, 210104336, 210104337). **[France]** Allier, Montlucom, 13.iii.1983, Pnpierok leg., host: *Sedum* sp. (210103969). **[Czechoslovakia]** Bohemia merid., Divci Kamen, 4.vi.1984, J. Holman leg., host: *Sedum telephium maximum* (210103712).

113. *Aphis* (s. str.) *serpylli* Koch, 1854
[France] Herault, Dapius, 21.vii.1957, G. Remaudière leg., host: *Thymus veigans* (210103970). **[Spain]** 12 km north of Leon, Remaudière & ETO leg., host: *Thymus mastichina* (210103968).
114. *Aphis* (s. str.) *spiraecola* Patch, 1914
[Japan] Tochigi, Nikko, 22.vii.1981, M. Sorin leg., host: *Weigela hortensis* (210100092); 3 slides, Tokyo, Aomi futo, 12.x.2000, S. Sugimoto leg., host: *Weigela* sp. (210100215—17); Tokyo, Oi futo, 4.x.2000, S. Sugimoto leg., host: *Photinia globra* (210100213); 1 slide, 5.x.2000, host: *Eriobotrya japonica*, same locality and collector (210100214); Ishikawa, Shio-machi, 12.ix.1995, I. Togashi leg., host: *Aralia cordata* (210100212); 2 slides, Shizuoka, Shimizu, 21.iv.1982, S. Komazaki leg., host: *Spiraea* sp. (210100201, 210100202); 4 slides, 1.v.1982 (210100203—06), 2 slides, 22.v.1982 (210100207, 210100208), same locality, collector and host; 2 slides, Mie, Ise, 14.iv.1968, M. Sorin leg., host: *Deutzia* sp. (210100090, 210100091); Mie, Ise, Geku shrine, 18.vii.2004, M. Sorin leg. (210100221); Mie, Matsusaka, Myozono, 23.v.2008, M. Sorin leg., host: *Juglans mandshurica sachalinensis* (210100222); 3 slides, Shiga, Kusatsu, Okamoto, 9.xi.2003, A. Ohtake leg., host: *Solidago altissima* (210100218—20); Osaka, Hirao, 25.xi.1959, M. Sorin leg., host: *Spiraea thunbergii* (210100199); 1 slide, 9.iv.1961, same locality, collector and host (210100200); 3 slides, Okinawa, Naha, Shuri, 20.iv.1991, N. Arakaki leg., host: *Citrus tankan* (210100209—11).
115. *Aphis* (s. str.) *spiraephaga* F.P. Müller, 1961
[Czechoslovakia] 2 slides, Bohemia centr., Pruhonice, 25.vi.1967, J. Holman leg., host: *Spiraea vanhouttei* (210103716).
116. *Aphis* (s. str.) *stachydis* Mordvilko, 1929
[France] Haute Savoie, Passy, La Combe, 22.v.1985 (210103973); 2 slides, 21.viii.1985, G. Remaudière leg., host: *Stachys recta*, same locality (210103971, 210103972).
117. *Aphis* (s. str.) *stroyani* Szelegiewicz, 1961
[Czechoslovakia] Slovakia merid., Chotin, 25.vi.1984, J. Holman leg., host: *Picris hieracioides* (210103718).
118. *Aphis* (s. str.) *subnitida* (Börner, 1940)
[Soviet Union] Serebrjanyje bor, Maskra, 11.vii.1967, J. Holman leg., host: *Potentilla argentea* (210103720). **[Spain]** Leon, Garano, La Magdalena, 29.vi.1985, Remaudière & Nieto leg., host: *Pimpinella villosa* (210103975). **[Czechoslovakia]** Slovakia occ., Smolenice, 20.vii.1982, J. Holman leg., host: *Pimpinella saxifrage* (210103719).
119. *Aphis* (s. str.) *succisae* Holman, 1966
[Soviet Union] Obl. Moskva, Abramcevo, 8.viii.1967, J. Holman leg., host: *Succisa praemorsa* (210103721).
120. *Aphis* (s. str.) *symphyti* Schrank, 1801
[Czechoslovakia] Slovakia merid., Cenkov, 25.vi.1984, J. Holman leg., host: *Symphytum officinale* (210103722).
121. *Aphis* (s. str.) *takagii* Takahashi, 1966
[Japan] Hokkaido, Sapporo, 24.vi.1961, S. Takagi leg., host: *Veratrum* sp. (210100228).
122. *Aphis* (s. str.) *taraxacicola* (Börner, 1940)
[Japan] Niigata, Kanbara, Kurakawakita, 24.vi.1992, K. Baba leg., host: *Taraxacum officinale* (210100223); Niigata, Kurokawa, 22.vii.1991, M. Sorin leg., host: *Taraxacum platycarpum* (210100224). **[Soviet Union]** Tadzikistan, Dusanbe, 23.v.1972, J. Holman leg., host: *Taraxacum taadrhikarum* (210103723). **[France]** 2 slides, Calvados, Ver sur Mer, 13.vi.1973, Latge & Micttel leg., host: *Taracacyn* sp. (210103976, 210103977); Seine Maritime, Buchy, 4.x.1958, G. Remaudière leg., host: *Taracacyn deusliouis* (210103978).
123. *Aphis* (s. str.) *teucryi* (Börner, 1942)
[Czechoslovakia] Moravia merid., Mikulov, 2.vii.1961, J. Holman leg., host: *Teucrium montonum* (210103724).
124. *Aphis* (s. str.) *thalictri* Koch, 1854
[Czechoslovakia] 2 slides, Slovakia centr., Demanova, 3.viii.1984, J. Holman leg., host: *Thalictrum aquilegifolium* (210103725, 210103726).
125. *Aphis* (s. str.) *thermophila* (Börner, 1950)
[Czechoslovakia] 2 slides, Bohemia centr., Karlstejn, 25.v.1984, J. Holman leg., host: *Helianthemum canum* (210103727, 210103728).

126. *Aphis* (s. str.) *thesii* Holman, 1966
[Czechoslovakia] Slovakia orient., Turna n. Bodrou, 25.vi.1966, J. Holman leg., host: *Thesium ramosum* (210103729).
127. *Aphis* (s. str.) *thomasi* (Börner, 1950)
[France] Haut Rhin, Sewen, 22.vi.1974, G. Remaudière leg., host: *Knautia* sp. (210103979). **[Czechoslovakia]** Dlouha Hora, Kozly u Loun, 17.v.1964, J. Holman leg., host: *Scabiosa columbaria* (210103730).
128. *Aphis* (s. str.) *tormentillae* Passerini, 1879
[Czechoslovakia] Bohemia merid., Hluboka n. Vltavou, 27.v.1984, J. Holman leg., host: *Potentilla reptans* (210103731).
129. *Aphis* (s. str.) *torquens* Holman, 1959
[Czechoslovakia] 2 slides, Slovakia sept., Kvacany, 22.vii.1972, J. Holman leg., host: *Petasites kablikianus* (210103732, 210103733).
130. *Aphis* (s. str.) *triglochinis* Theobald, 1926
[Soviet Union] Obl. Moskva, Abramcevo, 22.vii.1967, J. Holman leg., host: *Nasturtium* sp. (210103734). **[France]** Calvados, Sallenelles, 24.vii.1954, G. Remaudière leg., host: *Triglochin maritimum* (210103980).
131. *Aphis* (s. str.) *tripolii* Laing, 1920
[France] Calvados, 22.vii.1954, host: *Aster triholium* (210103981); Manche, Le Gd. Vey, 22.viii.1973, G. Remaudière leg., host: *Aster triholium* (210103982).
132. *Aphis* (s. str.) *tsujii* Shinji, 1922
[Japan] Nagano, Matsushiro, 14.vi.1999, N. Hirukawa leg., host: *Eupatorium sachaliensis* (210100225).
133. *Aphis* (s. str.) *ulicis* Walker, 1870
[France] Gironde, 1955, Villenave leg., host: *Ulex* sp. (210103983); 2 slides, Gironde, Taussat, 16.vi.1951, G. Remaudière leg., host: *Ulex* sp. (210103984, 210103985).
134. *Aphis* (s. str.) *ulmariae* Schrank, 1801
[Czechoslovakia] Bohemia merid., Purkarec, 16.vi.1984, J. Holman leg., host: *Filipendula ulmaria* (210103736).
135. *Aphis* (s. str.) *umbrella* (Börner, 1950)
[France] 2 slides, Vienne, Ayron, 13.ix.1949, G. Remaudière leg., host: *Ulavo rotandifolis* (210103986, 210103987). **[Czechoslovakia]** Slovakia orient., Spis. Podhradie, 1.vii.1984, J. Holman leg., host: *Lavatera thuringtaca* (210103737).
136. *Aphis* (s. str.) *urticata* Gmelin, 1790
[Denmark] SZ, Vemmedrup, 17.vi.1982, O. Heie leg., host: *Urtica dioica* (210103773). **[France]** Haute Savoie, Passy, La Combe, 24.xi.1998, G. Remaudière leg., host: *Urtica dioica* (210103990); Manche, Montebourg, 20.xii.1972, G. Remaudière leg., host: *Urtica* sp. (210103991); Oredon 1850 m, 6.ix.1954, G. Remaudière leg., host: *Urtica dioica* (210103989); Sucy, 6.vi.1948, G. Remaudière leg., host: *Urtica dioica* (210103988).
137. *Aphis* (s. str.) *vaccinii* (Börner, 1940)
[Czechoslovakia] Bohemia merid., Cervene blsto, Salmanovice, 20.vi.1983, J. Holman leg., host: *Vaccinium myrtillus* (210103738).
138. *Aphis* (s. str.) *vallei* Hille Ris Lambers & Stroyan, 1959
[Unknown] 28.ix.1950, host: *Leucanthemum vulgare* (210103996).
139. *Aphis* (s. str.) *veratri* Walker, 1852
[Soviet Union] Obl. Moskva, Luzhki, 25.vii.1969, J. Holman leg., host: *Veratrum lobelianum* (210103740). **[France]** Hautes Alpes 1800 m, La Grave, 19.viii.1986, G. Remaudière leg., host: *Veratrum album* (210103998); Pyrenees Orientales, Err, 6.viii.1964, G. Remaudière leg., host: *Veratrum album* (210103997).
140. *Aphis* (s. str.) *verbasci* Schrank, 1801
[France] 2 slides, Gironde, Dunes du cap. Ferret, 26.ix.1954, G. Remaudière leg., host: *Verbascum* sp. (210103999, 210104000). **[Czechoslovakia]** Moravia merid., Lednice, 21.vi.1966, J. Holman leg., host: *Verkasium* sp. (210103741).
141. *Aphis* (s. str.) *viburni* Scopoli, 1763
[France] Gironde, Landiras, 6.vii.1985, G. Remaudière leg., host: *Verbascum tinus* (210104001). **[Czechoslovakia]** Moravia merid., Brno, 14.v.1981, J. Holman leg., host: *Viburnum opulus* (210103742).

142. *Aphis* (s. str.) *violae* Schouteden, 1900
[Czechoslovakia] Bohemia sept., u Loun, Kozly, 22.ix.1964, J. Holman leg., host: *Viola caninae* (210103743).
143. *Aphis* (s. str.) *vitalbae* Ferrari, 1872
[Czechoslovakia] Praha Troja, 17.vii.1972, J. Holman leg., host: *Clematis vitalba* (210103744).
144. *Aphis* (s. str.) *wartenbergi* (Börner, 1952)
[Czechoslovakia] 2 slides, Slovakia orient., Klastorisko, 30.vi.1984, J. Holman leg., host: *Caeknus glaucinus* (210103745, 210103746).
145. *Aphis* (s. str.) *wellensteini* (Börner, 1950)
[Romania] Județul Tulces, Babadag, 12.vii.1976, J. Holman leg., host: *Verbascum soeciasum* (210103747).
146. *Aphis* (*Absinthaphis*) *hortobagyi* (Szelegiewicz, 1978)
[Czechoslovakia] 3 slides, Slovakia merid., Velke Ciky, 25.vi.1984, J. Holman leg., host: *Artemisia santonicum* (210103748—50).
147. *Aphis* (*Absinthaphis*) *pannonica* (Szelegiewicz, 1978)
[Romania] Județul Ilfov, Saftica, 20.vii.1974, J. Holman leg., host: *Artemisia absinthium* (210103751).
148. *Aphis* (*Bursaphis*) *epilobiarum* Theobald, 1927
[Japan] Mie, Ise, Shimaji, 4.viii.1976, M. Matsuura leg., host: *Epilobium cephalostigma* (210100094).
149. *Aphis* (*Bursaphis*) *epilobii* Kaltenbach, 1843
[Soviet Union] Krym, Angarskij Pereval, 14.ix.1961, J. Holman leg., host: *Epilobium hirsutum* (210103657). [France] Puy de Dome, Nectaire, Verricere, 23.vi.1970, G. Remaudière leg., host: *Epilobium* sp. (210103849).
150. *Aphis* (*Bursaphis*) *grossulariae* Kaltenbach, 1843
[Soviet Union] Krym, Angarskij Pereval, 14.ix.1961, J. Holman leg., host: *Epilobium hirsutum* (210103670). [Czechoslovakia] Bohemia merid., Cesky Krumlov, 27.v.1984, J. Holman leg., host: *Ribes alpinum* (210103671). [Spain] Sud Potes, alt. 800—1000 m, 3.vii.1986, Remaud. & Nieto leg., host: *Epilobium* sp. (210103901).
151. *Aphis* (*Bursaphis*) *oenotherae* Oestlund, 1887
[Japan] 2 slides, Shiga, Kusatsu, Wakakusa, 25.v.2005, A. Ohtake leg., host: *Oenothera lamarckiana* (210100170, 210100171). [Czechoslovakia] 2 slides, Moravia merid., Bzenec, 4.vii.1984, J. Holman leg., host: *Oenothera biennis* (210103693, 210103694).
152. *Aphis* (*Bursaphis*) *schneideri* (Börner, 1940)
[France] 2 slides, S.O., Cheunevierus, 6.vi.1954, Nicolas leg., host: *Ribes rubrum* (210103964, 210103965); Yonne, Sens, 23.v.1953, G. Remaudière leg., host: *Ribes rubrum* (210103966).
153. *Aphis* (*Bursaphis*) *solitaria* (Mc Vicar Baker, 1934)
[Mexico] 2 slides, Santa Catarina del Monte, 11.viii.1981, J. Holman leg., host: *Eupatorium deltoideum* (210103714, 210103715).
154. *Aphis* (*Protaphis*) *maidiradicis* Forbes, 1891
[Mexico] Pabellon de Arteaga, 20.viii.1981, Araceli Adame leg., host: *Zea mays* (210103687).
155. *Aphis* (*Protaphis*) *striata* Hille Ris Lambers, 1967
[Spain] Leon, West Geras, alt. 1300 m, 1.vii.1986, Remaudière & Nieto leg. (210103974).
156. *Aphis* (*Toxopterina*) *vandergooti* (Börner, 1939)
[England] 2 slides, Surrey, Kew, 6.ix.1966, V. F. Eastop leg., host: *Achillea millefolium* (210100226, 210100227). [France] Bois de Vincennes, 27.ix.1986, Remaudière leg., host: *Tanacetum vulgare* (210104281); Gironde, Blagon, 29.ix.1954, host: *Leucanthemum vulgare* (210103994); Moselle, Vallee de la Zorn, 26.vii.1974, G. Remaudière leg., host: *Achillea millefolium* (210103993). [Czechoslovakia] Bohemia centr., Praha, Podoli, 8.x.1971, J. Holman leg., host: *Tanacetum vulgare* (210103739).
157. *Aphis* sp. 1
[Pakistan] ix.1985, G. Remaudière leg., host: Cucurbitaceae gen. sp. (210103896).
158. *Aphis* sp. 2
[France] Gironde, Landiras, 6.vii.1985, G. Remaudière leg., host: *Crepis virens* (210104002).

159. *Aphis* sp. 3
[Unknown] 14.v.1985, G. Remaudière leg., host: *Euphorbia characias* (210103992).
160. *Brachyunguis* (s. str.) *harmalae* Das, 1918
[Soviet Union] Kalmycka, 22.vii.1959, J. Holman leg., host: *Peganum harmala* (210103752).
161. *Brachyunguis* (s. str.) *tamaricis* (Lichtenstein, 1885)
[Spain] Leon, 1.vii.1986, Remaudière & Nieto leg., host: *Tamaria* sp. (210104026).
162. *Brachyunguis* (*Xerophilaphis*) *saxaulica* (Nevsky, 1928)
[Iran] N. Rafsanjan 20 km, Fars, Nough, 28.xi.1973, M. Safavi leg., host: *Maloxylon* sp. (210104317).
163. *Brachyunguis* (*Xerophilaphis*) *tetrapteris* (Cockerell, 1902)
[Mexico] Baja California Sur, Guerrero Negro, 15.iv.1981, Remaudière & Munoz leg., host: *Suaeda suffrutescens* (210104318).
164. *Chomaphis mira* Mordvilko, 1928
[Soviet Union] Obl. Moskva, Luzhki, 25.vii.1969, J. Holman leg., host: *Petasites tomentosus* (210103753).
165. *Cryptosiphum artemisiae* Buckton, 1879
[Japan] Tochigi, Shiobara, Furu machi, 2.xi.1966, T. Tanaka leg., host: *Artemisia vulgaris vulgarissima* (210100233); Niigata, 27.viii.1963, M. Sorin leg., host: *Artemisia* sp. (210100232); Niigata, Maki, 19.x.1976, A. Arakawa leg., host: *Artemisia* sp. (210100605); Gifu, near Nakatsugawa, Kawakami, 21.vii.1968, M. Sorin leg., host: *Artemisia* sp. (210100234); Mie, Iitaka cho, Hachisu, 30.viii.1979, M. Sorin leg., host: *Artemisia* sp. (210100235); Iitaka cho, Haze, 10.x.1986, M. Sorin leg., host: *Artemisia* sp. (210100236); 2 slides, Hyogo, Kobe, Mt. Rokko, 27.x.1956, M. Sorin leg., host: *Artemisia* sp. (210100229); 1 slide, R. Takahashi leg., same locality, date and host (210100231). **[Czechoslovakia]** Bohemia merid., Divci Kamen, 19.v.1984, J. Holman leg., host: *Artemisia vulgaris* (210103754); Bohemia centr., Karistejn, 3.x.1957, J. Holman leg., host: *Artemisia vulgaris* (210103755). **[France]** Hautes Alpes, Guillestre, 14.x.1986, Remaudière leg., host: *Artemisia vulgaris* (210104048).
166. *Ephedraphis ephedrae* (Nevsky, 1929)
[Soviet Union] 2 slides, Uzbekistan, Taskent. Obl., Su Kok, 29.v.1976, J. Holman leg., host: *Ephedra equisetina* (210103756, 210103757).
167. *Ryoichitakahashia prunifoliae* (Shinji, 1924)
[Japan] Osaka, Kobuka, 19.v.1961, M. Sorin leg., host: *Ilex serrata* (210100237); 1 slide, 3.xi.1961, host: *Ilex serrata sieboldi*, same locality and collector (210100238).
168. *Seneciobium balachowskyi* Remaudière, 1954
[France] Pyrenees Orientales, Col de Puymorens, 7.vi.1983, Remaudière leg., host: *Senecio* sp. (210104236).
169. *Swirskiaphis polychaeta* Hille Ris Lambers, 1966
[Iran] 2 slides, Zover Ialghan, Ammonialuni, Doreuna, 26.vi.1955, Remaudière leg. (210104272, 210104273).
170. *Toxoptera aurantii* (Boyer de Fonscolombe, 1841)
[Japan] Saitama, Negishi, 23.iv.2008, S. Usuba leg., host: *Aphananthe aspera* (210100252); 3 slides, Chiba, Ichikawa, Kashiwai, 23.xi.1988, Y. Matsumoto leg., host: *Aphananthe aspera* (210100240—42); Mie, Ise, Geku shrine, 28.viii.2004, M. Sorin leg., host: *Gardenia jasminoi grandiflora* (210100249); 1 slide, 6.x.2002, host: *Trachelospermum asiaticum*, same locality and collector (210100248); 4 slides, Mie, Omiya cho, Takihara, 13.i.2002, M. Sakabe leg., host: *Turnera trioniflora* (210100244—47); Mie, Geino cho, Umegahata, 6.vii.1992, M. Iwaki leg., host: *Styrax japonica* (210100243); 2 slides, Nara, Nara shi, 18.viii.2004, Y. Kimura leg., host: *Ilex integra* (210100250, 210100251); Okinawa, Higashi son, late.iii.1982, Ikenaga leg. (210100239).
171. *Toxoptera citricida* (Kirkaldy, 1907)
[Japan] 5 slides, Ibaraki, Tsukuba, 9.ix.2003, T. Murai leg., host: *Catharanthus roseus* (210100254—58); Mie, Ise, 11.ix.1996, M. Sorin leg., host: *Fortunella japonica* (210100253).
172. *Toxoptera odinae* (van der Goot, 1917)
[Japan] 2 slides, Hokkaido, Bibai, Koshunai, 12.x.1995, H. Torikura leg., host: *Kalopanax pictus* (210100264, 210100265); 3 slides, Obihiro, Yachiyo, 18.vi.2006, H. Torikura leg., host: *Kalopanax picutus* (210100270—72); 4 slides, Hokkaido, Sapporo, 26.ix.2002, H. Torikura leg., host: *Kalopanax pictus*

(210100266—69); Ishikawa, Kanazawa, 26.vi.1995, I. Togashi leg., host: *Viburnum awabuki* (210100262); 3 slides, Mie, Ise, Isuzugaoka, 29.iv.2011, M. Sorin leg., host: *Rhus succedanea* (210100296—98); 3 slides, 5.v.2011, same locality, collector and host (210100299); 2 slides, Mie, Ise, Kuratayama, 9.viii.2009, M. Sorin leg., host: *Rhus succedanea* (210100273, 210100274); 2 slides, 1.xi.2010 (210100278, 210100279); 1 slide, 18.xi.2010 (210100280), 1 slide, 20.xi.2010 (210100281), 1 slide, 22.xi.2010 (210100282), 2 slides, 24.xi.2010 (210100283, 210100284), 5 slides, 1.xii.2010 (210100289—93), 2 slides, 26.iv.2011 (210100294, 210100295); 1 slide, 7.v.2011 (210100302), 2 slides, 1.vi.2011 (210100304, 210100305), same locality, collector and host; Mie, Ise, Sakuragaoka, 3 slides, 20.x.2010, M. Sorin leg., host: *Rhus javanica* (210100275—77); 2 slides, 5.xi.2010 (210100285, 210100286), 1 slide, 10.xi.2010 (210100287), 1 slide, 18.xi.2010 (210100288), 1 slide, 25.v.2011 (210100303), same locality, collector and host; 2 slides, Kagawa, Takamatsu, 19.xi.1964, M. Sorin leg., host: *Viburnum dilatatum* (210100259, 210100260); Kagoshima, 16.iii.1995, D. Yamaguchi leg., host: *Viburnum suspensum* (210100263); Okinawa, Naha, Shuri, 25.xii.1988, N. Arakaki leg., host: *Viburnum awabuki* (210100261).

Subtribe Rhopalosiphina

173. *Hyalopterus pruni* (Geoffroy, 1762)

[Japan] Kagawa, Shodo Is., 15.xii.1975, M. Sorin leg., host: *Prunus armeniaca ansu* (210100306); 3 slides, Okinawa, Higashi son, late.iii.1982, Ikeyama leg. (210100307—09). **[Cuba]** Ganimar, 27.x.1967, J. Holman leg., host: *Paspalum secans* (210103758).

174. *Hysteroneura setariae* (Thomas, 1878)

[Japan] Okinawa, Higashi son, 16.viii.1982, H. Ikenaga leg., host: Gramineae gen. sp. (210100310).

175. *Melanaphis bambusae* (Fullaway, 1910)

[Japan] Tochigi, Nikko, 13.x.1967, M. Sorin leg., host: *Spiraea* sp. (210100311); Ishikawa, Kanazawa, 14.vii.1969, M. Sorin leg., host: *Sasa* sp. (210100312); Ishikawa, near Kanazawa, Yuwaki, 9.vii.1978, M. Sorin leg., host: *Sasa albomarginata* (210100313); Mie, Ise, Mt. Kamiji, 15.i.2003, M. Sorin leg., host: *Carex* sp. (210100314).

176. *Melanaphis daisenensis* (Sorin, 1970)

[Japan] Niigata, Budo toge, 30.ix.1991, K. Baba leg., host: *Miscanthus sinensis* (210100317); Niigata, Iwafune, Asahi mura, Komogawa, 26.ix.1991, K. Baba leg., host: cf. *Miscanthus* sp. (210100316); Tottori, Mt. Daisen, 3.x.1969, M. Sorin leg., host: *Miscanthus* sp. (210100315).

177. *Melanaphis donacis* (Passerini, 1862)

[Iran] 2 slides, Karadi, 14.x.1962, Remaudière leg., host: *Arund donex* (210100318, 210104114). **[Pakistan]** Islamabad, 19.ii.1988, Naumann leg., host: cf. *Arundo* sp. (210104111). **[France]** 2 slides, Arundo donax les Lecque, 19.vi.1952, Remaudière leg. (210104112, 210104113); Herault, Cap d Agde, 12.v.1985, Remaudière leg., host: *Arundo donex* (210104115).

178. *Melanaphis formosana* (Takahashi, 1921)

[Japan] 3 slides, Kagoshima, 24.x.1995, D. Yamaguchi leg., host: *Sorghum* sp. (210100319—21).

179. *Melanaphis jamatonica* (Sorin, 1970)

[Japan] Gifu, Hirayu, alt. 1230 m, 4.viii.1999, M. Sorin leg., host: *Miscanthus* sp. (210100323); Osaka, Mt. Kongo, 17.v.1959, M. Sorin leg., host: *Miscanthus* sp., syntypes (210100322).

180. *Melanaphis japonica* (Takahashi, 1919)

[Japan] Mie, Ise, 22.viii.1999, M. Sorin leg., host: *Miscanthus* sp. (210100327); Mie, Ise, Kamiji, 16.v.1999, M. Sorin leg., host: *Miscanthus* sp. (210100326); Mie, Ise, Naiku shrine, 9.viii.1968, M. Sorin leg., host: *Miscanthus* sp. (210100324); Kagoshima, 14.xi.1973, E. Manabe leg. (210100325).

181. *Melanaphis koreana* (Sorin, 1972)

[China] 2 slides, Tanyang, 1—10.viii.1969, host: *Miscanthus purpurascens* (210100328, 210100329).

182. *Melanaphis montana* (Sorin, 1970)

[Japan] Niigata, Iwafune, Asahi mura, 21.viii.1992, K. Baba leg., host: *Miscanthus sinensis* (210100333); 2 slides, 30.ix.1991, same locality, collector and host (210100331, 210100332); Nara, Mt. Odaigahara, 15.viii.1956, M. Sorin leg., host: *Miscanthus sinensis*, syntypes (210100330).

183. *Melanaphis pyrarica* (Passerini, 1861)

[France] 5 slides, La Varenne, 27.v.1962, Remaudière leg.,

host: *Pyrus* sp. (210100346, 210104116—19); 2 slides, Pyrenees Atlantiques 330 m, Lurbe, 1.vi.1983, Remaudière leg., host: *Agropyrum* sp. (210104120, 210104121).

184. *Melanaphis sacchari* (Zehntner, 1897)

[Japan] Ishikawa, Shiramine, 16.ix.1991, I. Togashi leg., host: *Eleusine indica coracana* (210100336); Mie, Ise, 22.viii.1999, M. Sorin leg., host: *Panicum* sp. (210100337); 2 slides, 3.ix.1999, host: *Panicum crus-galli*, same locality and collector (210100338, 210100339); Osaka, 13.ix.1956, M. Sorin leg., host: *Echinochloa crusgalli* (210100334); Okinawa, Higashi son, 31.iii.1982, Ikeyama leg., host: *Miscanthus* sp. (210100335).

185. *Melanaphis siphonella* (Essig & Kuwana, 1918)

[Japan] 2 slides, Ibaraki, Ami, 23.v.1986, H. Nagatsuka leg., host: Pear (*Pyrus* sp.) (210100340, 210100341).

186. *Melanaphis tateyamaensis* (Sorin, 1970)

[Japan] Toyama, Mt. Tateyama, 16.vii.1969, M. Sorin leg., host: *Miscanthus* sp., syntypes (210100342); Gifu, Hirayu, 2.viii.1999, M. Sorin leg., host: *Miscanthus* sp. (210100343).

187. *Melanaphis yasumatsui* (Sorin, 1970)

[Japan] Tottori, Mt. Daisen, 3.x.1969, M. Sorin leg., host: *Miscanthus* sp., syntypes (210100344); 1 slide, 18.x.1969, same locality, collector and host (210100345).

188. *Rhopalosiphum insertum* (Walker, 1849)

[Czechoslovakia] Bohemia sept., Steknik, 6.vi.1973, J. Holman leg., host: *Pirus sommunis* (210103761).

189. *Rhopalosiphum maidis* (Fitch, 1856)

[Japan] Ishikawa, Oguchi, Ozou, 1.x.1982, I. Togashi leg., host: *Zea mays* (210100349); Okinawa, Higashi son, 24.iii.1982, Ikeyama leg., host: Bermuda grass (*Cynodon dactylon*) (210100347); 1 slide, middle.iv.1982, same locality, collector and host (210100348). **[Paraguay]** 2 slides, ITA, 25.i.2000, Y. Kimura leg., host: *Zea mays* (210100350, 210100351).

190. *Rhopalosiphum nymphaeae* (Linnaeus, 1761)

[Japan] Niigata, Nishikanbara, Maki, 22.ix.1978, A. Arakawa leg., host: *Nuphar japonicum* (210100354); Osaka, Kuroyama, 19.vi.1959, M. Sorin leg., host: *Spitodela polyrhiza* (210100353); 4 slides, Okayama, Tomihara, Hamuro, 9.v.2000, K. Ikeda leg.,

host: *Trapa natans bispinosa* (210100355—58). **[England]** Ruislip, Middlesex, 21.viii.1957, M. E. Baichus leg., host: Water lily (*Nymphaea* sp.) (210100352).

191. *Rhopalosiphum padi* (Linnaeus, 1758)

[Japan] Hokkaido, Abashiri, 11.vi.1956, S. Takagi leg. (210100359); Ishikawa, Kanazawa, 10.v.1987, M. Sorin leg., host: Clover (*Trifolium repens*) (210100362); Mie, Ise, Nakamura, 17.vii.1975, M. Sorin leg., host: *Zea mays* (210100360); Okinawa, Higashi son, late.iv.1982, Ikeyama leg. (210100361).

192. *Rhopalosiphum rufiabdominale* (Sasaki, 1899)

[Japan] Ishikawa, Hakusan, Tsurugi, 31.x.2006, I. Togashi leg., host: *Rhaphiolepis umbellata* (210100390); 3 slides, Mie, Ise, Sakuragaoka, 20.xi.1994, M. Sorin leg., host: *Prunus pseudocerasus* (210100373—75); 1 slide, 27.xi.1994, same locality, collector and host (210100376); Mie, Ise, Furuichi, 25.xi.1994, M. Sorin leg., host: *Prunus tomentosa* (210100385); Mie, Ise, Mt. Kamiji, 15.i.2003, M. Sorin leg., host: *Carex* sp. (210100386); 3 slides, Mie, Ise, Kuratayama, 23.v.2005, Y. Inaba leg., host: *Prunus mume* (210100387—89); 5 slides, Hyogo, Takarazuka, 28.xi.1994, H. Imura leg., host: *Prunus pseudocerasus* (210100377—81); 3 slides, 29.xi.1994, same locality, collector and host (210100382—84); Okinawa, Higashi son, 8.iv.1982, Ikeyama leg., host: Sugar cane (*Saccharum officinarum*) (210100364); 1 slide, 19.iv.1982, host: White clover (*Trifolium repens*) (210100365); 1 slide, 12.v.1982, host: Love grass (*Eragrostis* sp.) (210100366), same locality and collector; Okinawa, Shimajiri, Haebaru, 30.iii.1982, Ikeyama leg., host: Sugar cane (*Saccharum officinarum*) (210100363).

193. *Rhopalosiphum rufulum* Richards, 1960

[Denmark] Jyll., Skive, x.1981, O. Heie leg., host: *Acorus calamus* (210103798). **[Czechoslovakia]** Bohemia sept., Pribram, ix.1974, J. Zeleny leg., host: *Acorus calamus* (210103762).

194. *Schizaphis* (s. str.) *graminum* (Rondani, 1852)

[Japan] Osaka, Hirao, 7.viii.1960, M. Sorin leg., host: *Carex cf. cyperus* (210100396); Okinawa, Higashi son, 24.iii.1982, Ikeyama leg., host: Bermuda grass (*Cynodon dactylon*) (210100397); 1 slide, late.iv.1982, same locality and collector (210100398).

195. *Schizaphis* (*s. str.*) *minuta* (van der Goot, 1917)
[Thailand] 2 slides, Chiang Mai, Han Dong, 27.iii.1979, K. Yasumatsu leg., host: Rice (*Oryza sativa*) (210100399, 210100400). **[Burundi]** Maizieres, Imbo, alt. 300 m, A. Autrique leg. (210104226); Rwigura, A. Autrique leg. (210104229).
196. *Schizaphis* (*s. str.*) *rotundiventris* (Signoret, 1860)
[Japan] Tochigi, Nikko, 31.x.1981, S. Sugimoto leg., host: *Typha latifolia* (210100392); 3 slides, Ishikawa, Tsurugi, 4.vii.2000, I. Togashi leg., host: *Typha latifolia* (210100393—95); Mie, Tsu, 25.x.1974, Nakamura leg., host: *Typha latifolia* (210100391).
197. *Schizaphis* (*s. str.*) *rufula* (Walker, 1849)
[Turkey] 3 slides, 9.x.1962, G. Remaudière leg., host: *Kochia latifolia* (210103950—52). **[Burundi]** Bujumbura, 1984, A. Autrique leg. (210104227); Rwigura, A. Autrique leg. (210104228).
198. *Schizaphis* (*Euschizaphis*) *palustris* (Theobald, 1929)
[France] Elevage I. P., 29.xii.1965, host: *Poa annua* (210104066).
199. *Schizaphis* (*Paraschizaphis*) *eastopi* van Harten & Ilharco, 1971
[Burundi] Maizieres, Imbo, alt. 300 m, 28.viii.1983, G. R. & A. A. leg., host: *Typha* sp. (210104225).
200. *Schizaphis* (*Paraschizaphis*) *scirpi* (Passerini, 1874)
[Japan] Mie, Ise, Geku shrine, 10.vi.2004, M. Sorin leg., host: *Typha angustifolia* (210100401). **[Czechoslovakia]** 3 slides, Bohemia merid., Branisov, 5.vi.1983, J. Holman leg., host: *Typha angustifolia* (210103759, 210103760).
201. *Schizaphis* sp.
[Japan] Mie, Ise, Kusube, 30.vii.1986, M. Sorin leg., host: *Trifolium repens* (210100403); Shima, Nakiri, 31.viii.1986, M. Sorin leg., host: *Trifolium repens* (210100404); Osaka, xi.1959, R. Takahashi leg., host: Pear (*Pyrus* sp.) (210100402).
- Tribe Macrosiphini
202. *Acaudinum* (*Protacaudinum*) *beheni* Remaudière & Davatchi, 1959
[Iran] 10 km North of Khoi, alt. 1600 m, 7.viii.1955, G. Remaudière leg., host: *Centaurea behen*, paratypes (210103806).
203. *Acuticauda erigerontis* Leclant & Remaudière, 1967
[France] 4 slides, Les Houcheo, 21.vi.1976, G. Remaudière leg., host: *Erigeron* sp. (210103807—10).
204. *Acyrtosiphon* (*s. str.*) *caraganae* (Cholodkovsky, 1908)
[France] Bois de Vincennes, 31.viii.1986, G. Remaudière leg., host: *Coluta* sp. (210103811).
205. *Acyrtosiphon* (*s. str.*) *ignotum* Mordvilko, 1914
[Denmark] Jyll., Nibe, 28.vi.1971, O. Heie leg., host: *Spiraea vanhouttei* (210103763).
206. *Acyrtosiphon* (*s. str.*) *ilka* Mordvilko, 1914
[Iran] Rte de Tahalus, 14.vii.1955, Remaudière leg., host: *Glaucium contoricatum* (210100405).
207. *Acyrtosiphon* (*s. str.*) *kondoi* Shinji, 1938
[Japan] Iwate, Taneichi, 10.xii.1990, K. Kawada leg. (210100407); Okinawa, Higashi son, 19.iv.1982, Ikeyama leg., host: Common vetch (*Vicia sativa*) (210100406).
208. *Acyrtosiphon* (*s. str.*) *lactucae* (Passerini, 1860)
[USA] Utah, Salt Lake City, 27.vi.1980, O. Heie leg., host: *Sonchus* sp. (210103764).
209. *Acyrtosiphon* (*s. str.*) *loti* (Theobald, 1913)
[Denmark] Blokhus, 16.viii.1962, O. Heie leg., host: *Anthyllis vulneraria* (210103765).
210. *Acyrtosiphon* (*s. str.*) *pisum* (Harris, 1776)
[Japan] 2 slides, Tokyo, Imperial Paleace, 22.v.1997, Y. Arita leg., host: *Astragalus sinicus* (210100413); Mie, Hamajima, Nanbari, 28.iv.2000, M. Sorin leg., host: *Lathyrus maritimus* (210100415); 2 slides, Okayama, 28.x.1982, K. Kawada leg., host: *Pisum sativum* (210100408, 210100409); 2 slides, Okayama, Kurashiki, 20.viii.1982, K. Kawada leg., host: *Pisum sativum* (210100410, 210100411); Kagoshima, 17.v.1995, D. Yamaguchi leg., host: *Vicia sativa* (210100412).
211. *Acyrtosiphon* (*Liporrhinus*) *chelidonii* (Kaltenbach, 1843)
[France] Val de Marne, La Ivrenne, 15.v.1983, G. Remaudière

leg., host: *Chelidonium* sp. (210103812).

212. *Acyrtosiphon (Xanthomyzus) lambersi* Leclant & Remaudière, 1974

[France] Plage, N. Torreilles., 22.v.1985, G. Remaudière leg., host: *Glaucium plavum* (210103813).

213. *Acyrtosiphon* sp.

[USA] 2 slides, California, Tulare County, Cutler, 23.iii.1975, Awart & Brawner leg., host: *Latus cornicularus* (210100416, 210100417); Utah, Ephriam, 27.viii.1935, G. F. Knowlton leg., host: *Chrysothamnus* sp. (210100418).

214. *Akkaia polygoni* Takahashi, 1919

[Japan] Mie, near Matsusaka, Yunohara, 30.iv.1973, M. Sorin leg., host: *Polygonum* sp. (210100419).

215. *Amegosiphon platicaudum* (Narzikulov, 1953)

[Iran] 2 slides, alt. 1500 m, 15.xi.1962, G. Remaudière leg., host: *Berberis* sp. (210103814, 210103815); Gatch-I-sar, alt. 2000 m, 15.viii.1955, Remaudière leg., host: *Berberis integerrima*, paratypes (210104061).

216. *Amphicercidus japonicus* (Hori, 1927)

[Japan] 2 slides, Niigata, Kitakanbara, Nakajo, 21.v.1992, K. Baba leg., host: *Lonicera morrowii* (210100420, 210100421).

217. *Amphorophora (s. str.) ampullata* Buckton, 1876

[Japan] 2 slides, Niigata, Iwafune, Asahi mura, 18.x.1991, K. Baba leg., host: *Dryopteris* cf. *phegopteis* (210100422, 210100443).

218. *Aphidura delmasi* Remaudière & Leclant, 1965

[France] 2 slides, Guilham, 17.iv.1966, G. Remaudière leg., host: *Silene italica* (210103816, 210103817); Herault, St. Grillon, 17.iv.1966, Leclant leg., host: *Silene italica* (210104003).

219. *Aphidura ornata* Hille Ris Lambers, 1956

[France] Hautes Alpes 1750 m, S. Catherine de Vars, 1.vii.1990, G. Remaudière leg., host: *Silene inaperta* (210104004).

220. *Apthargelia symphoricarpi* (Thomas, 1878)

[USA] Utah, Blacksmith, 27.viii.1975, GFK leg., host: *Symphoricarpos* sp. (210103774).

221. *Aulacorthum (s. str.) cercidiphylli* (Matsumura, 1918)

[Japan] Hokkaido, Sapporo, 31.vii.1986, M. Sorin leg., host: *Cercidiphyllum* sp. (210100425).

222. *Aulacorthum (s. str.) cirsiicola* (Takahashi, 1923)

[Japan] Okayama, Koshihata, 3.xi.1978, K. Kawada leg., host: *Cirsium* sp. (210100426).

223. *Aulacorthum (s. str.) magnoliae* (Essig & Kuwana, 1918)

[Japan] Niigata, Murakami, Senami, 28.iv.1992, K. Baba leg., host: *Sambucus chinensis* (210100429); Ishikawa, Kanazawa, 13.xii.1981, M. Sorin leg., host: *Magnolia* sp. (210100428); Mie, Ise, Geku shrine, 29.iv.1972, M. Sorin leg., host: *Pourthiaea villosa* (210100427); 2 slides, 1.vi.1979, C. Chuma leg., host: *Lecanorchis kiusiana*, same locality (210100457, 210100458); Osaka, Kobuka, 27.xii.1961, M. Sorin leg., host: *Rubus palmatus* (210100459); Osaka, Mt. Iwawaki, 20.v.1962, M. Sorin leg., host: *Nandina domestica* (210100460).

224. *Aulacorthum (s. str.) muradachi* (Shinji, 1928)

[Japan] Osaka, Kobuka, 19.v.1961, M. Sorin leg., host: *Carex incisa* (210100461).

225. *Aulacorthum (s. str.) nipponicum* (Essig & Kuwana, 1918)

[Japan] Mie, Ise, Geku shrine, 7.vii.1968, M. Sorin leg., host: *Paederia chinensis* (210100430); Mie, Ise, Mt. Kamiji, 21.xi.2004, M. Sorin leg., host: *Pinus thunbergii* (210100431); Osaka, Hirao, 20.iv.1958, M. Sorin leg., host: *Quercus glauca* (210100462).

226. *Aulacorthum (s. str.) solani* (Kaltenbach, 1843)

[Japan] Hokkaido, Sapporo, 1.viii.1960, R. Takahashi leg., host: *Syringa* sp. (210100454); Niigata, Murakami, Senami, 15.v.1992, K. Baba leg., host: *Glechoma hederacea* (210100449); 6 slides, Niigata, Seiro mura, 2.xi.1991, K. Baba leg., host: *Ipomoea batatas edulis* (210100436, 210100444—48); 4 slides, Yamanashi, Minami-Alpus, Kaminose, 22.v.2011, S. Usuba leg., host: *Orixa japonica* (210100437—40); 3 slides, Mie, Ise, Mt. Kamiji, 12.xii.2002, M. Sorin leg., host: *Thalictrum aquilegifolium* (210100441—43); 2 slides, 29.v.2003, same locality, collector and host (210100450, 210100451); Mie, Ise, Shimaji, 19.vii.2004, M. Sorin leg., host: *Macleya cordata* (210100452); Osaka, Mt. Ikoma, 1.vi.1962, M. Sorin leg., host: *Cirsium* sp. (210100455); Nara, Mt. Ominesan, 31.vii.1957, M.

Sorin leg., host: cf. *Magnolia* sp. (210100453). **[Denmark]** Copenhagen, Vangede, 16.ix.1982, LHP leg., host: *Hibiscus* sp. (210103776).

227. *Aulacorthum* (s. str.) *syringae* (Matsumura, 1918)

[Japan] Hokkaido, Sapporo, 31.vii.1986, M. Sorin leg., host: *Syringa* sp. (210100456).

228. *Aulacorthum* (*Perillaphis*) *perillae* (Shinji, 1924)

[Japan] 3 slides, Mie, Ise, Shimaji, 19.vii.2004, M. Sorin leg., host: *Mosla dianthera* (210100433—35); Kochi, 16.xii.1975, M. Sorin leg., host: *Perilla frutescens* (210100432).

229. *Brachycaudus* (s. str.) *helichrysi* (Kaltenbach, 1843)

[Japan] Hokkaido, Furano, 30.vii.1986, M. Sorin leg., host: *Spiraea thunbergii* (210100472); 13 slides, Aomori, Nagawa cho, 16.vii.1994, M. Sorin leg., host: *Prunus mume bungo* (210100478, 210100488—99); 9 slides, Iwate, Ninohe, 15.vii.1994, M. Sorin leg., host: *Prunus mume bungo* (210100479—87); Fukushima, Mt. Bandai, 14.x.1968, M. Sorin leg., host: *Cetranthus macrosiphone* (210100464); Ishikawa, Monzen, Fukami, 8.v.1993, I. Togashi leg., host: *Prunus donarium spontanea* (210100473); Mie, Hakusan cho, 12.v.1993, M. Sorin leg., host: *Prunus donarium spontanea* (210100474); 12 slides, Mie, Iinan, Kayumi, 26.vi.1994, M. Sorin leg., host: *Prunus mume* (210100500—11); 7 slides, Mie, Iitaka cho, Mori, 26.vi.1994, M. Sorin leg., host: *Prunus mume* (210100512—18); Mie, Iitaka cho, Haze, 26.vi.1994, M. Sorin leg., host: *Prunus mume* (210100519); Osaka, Kuroyama, 6.xi.1963, M. Sorin leg., host: *Prunus mume* (210100463); 2 slides, Nara, Higashiyoshino mura, Kotsu, 26.vi.1994, M. Sorin leg., host: *Prunus mume* (210100520, 210100521); 3 slides, Shimane, Hikawa gun, Koryo cho, 23.v.1994, T. Murai leg., host: *Prunus mume* (210100475—77); Okinawa, Higashi son, late.iii.1982, Ikeyama leg. (210100467); 1 slide, early.iv.1982 (210100471), 1 slide, late.iv.1982 (210100465), 2 slides, 23.iv.1982 (210100469—70), 1 slide, late.iv.1982 (210100468), 1 slide, early.v.1982 (210100466), same locality and collector. **[France]** 3 slides, St. Saturum, 11.ix.1969, G. Remaudière leg. (210103832~34). **[Paraguay]** 2 slides, Asuncion, 22.ix.1997, Y. Kimura leg., host: *Compositae* gen. sp. (210100522, 210100523); Anogua, 1.vii.2000, Y. Kimura leg., host: *Compositae* gen. sp. (210100525); 3 slides, Caacupe, 24.viii.2000, Y. Kimura leg., host: *Compositae* gen. sp.

(210100524, 210100526, 210100527).

230. *Brachycaudus* (s. str.) *salicinae* Börner, 1939

[France] Aube, Nogent sur Seine, 24.v.1953, Remaudière leg., host: *Inula salicina* (210104021).

231. *Brachycaudus* (*Acaudus*) *aconiti* (Mordvilko, 1928)

[Spain] Leon, West Geras, alt. 1300—1400 m, 1.vii.1985, Remaudière leg., host: *Aconitum* sp. (210104011).

232. *Brachycaudus* (*Acaudus*) *cardui* (Linnaeus, 1758)

[Denmark] NEZ, Holte, 2.vii.1983, O. Heie leg., host: *Helianthus annuus* (210103777). **[France]** Herault, Mireval, 6.v.1985, Remaudière leg., host: *Cardus* sp. (210104012); Haute Savoie, Passy, La Combe, 22.x.1985, Remaudière leg., host: *Prunus domestica* (210104013).

233. *Brachycaudus* (*Acaudus*) *cerasicola* (Mordvilko, 1929)

[Iran] Bojurd, 20.v.1966, Remaudière leg., host: *Perowaokia abroranoides* (210100533).

234. *Brachycaudus* (*Acaudus*) *divaricatae* Shaposhnikov, 1956

[Iran] Mashad, Torgharren, 12.v.1966, G. Remaudière leg., host: *Prunus domestica* (210100532).

235. *Brachycaudus* (*Acaudus*) *iranicus* Davatchi & Remaudière, 1953

[Iran] Gatch. C. Sun, 12.vii.1955, Remaudière leg., host: *Anchuba italica* (210100530). **[Turkey]** 2 slides, 6.x.1962, Remaudière leg., host: *Auchusa aspera* (210104022, 210104023).

236. *Brachycaudus* (*Acaudus*) *lucifugus* F.P. Müller, 1955

[France] Finistere, Plouescat, 6.viii.1967, G. Remaudière leg., host: *Plantago lanceolata* (210100534).

237. *Brachycaudus* (*Acaudus*) *lychnidis* (Linnaeus, 1758)

[Denmark] Copenhagen, Bot. Garden, 25.vii.1982, O. Heie leg., host: *Melandrium album* (210103778). **[France]** 2 slides, Herault, S. Vias, 12.v.1985, Remaudière leg., host: *Melandrium album* (210104015, 210104016); Pyrenees Orientales 1600 m, Chaos de Targassonne, 9.vii.1957, Remaudière leg., host: *Melandryum* sp. (210100531).

238. *Brachycaudus (Acaudus) malvae* Shaposhnikov, 1964
[Spain] Ribadesella, 5.vii.1985, G. Remaudière leg., host: *Malva sylvestris* (210100536); Llanaves de la Reina, Desfiladero, 2.vii.1986, Remaudière & Nieto leg., host: *Malva* sp. (210104017).
239. *Brachycaudus (Acaudus) mimeuri* Remaudière, 1952
[France] Vaucluse, W. Avignon, 8.ix.1969, Remaudière leg., host: *Odontites lutea* (210100535); Var, Le Cauadel, 3.ix.1963, Remaudière leg., host: *Odontites lutea* (210104018).
240. *Brachycaudus (Acaudus) persicae* (Passerini, 1860)
[France] Drome, Gotherou, 9.iv.1968, Tabar leg. (210100528).
241. *Brachycaudus (Acaudus) populi* (del Guercio, 1911)
[France] Alpes Maritimes, Utelle, 13.vi.1988, G. Remaudière leg., host: *Silena inflata* (210100537); Haute Savoie, Passy, La Combe, 21.x.1985, Remaudière leg., host: *Silena inflata* (210104019).
242. *Brachycaudus (Appelia) prunicola* (Kaltenbach, 1843)
[Denmark] El, Horsens, 17.vi.1981, O. Heie leg., host: *Prunus spinosa* (210103779).
243. *Brachycaudus (Appelia) tragopogonis* (Kaltenbach, 1843)
[France] 2 slides, Herault, Cap d Agde, 11.v.1985, Remaudière leg., host: *Tragopogon* sp. (210104024, 210104025).
244. *Brachycaudus (Thuleaphis) rumexicolens* (Patch, 1917)
[France] N. L. Argentièrre, 20.viii.1985, Remaudière leg., host: *Rumex scutiatus* (210100529). **[Burundi]** Manumi, Autrique leg. (210104020).
245. *Brachycaudus* sp.
[Unknown] 31.viii.1986, G. Remaudière leg., host: *Linaria striata* (210104014).
246. *Brevicoryne brassicae* (Linnaeus, 1758)
[Japan] Aichi, Nagoya, 12.ii.1979, M. Sorin leg., host: Cabbage (*Brassica oleracea* var. *capitata*) (210100538).
247. *Burundiaphis autriquei* Remaudière, 1985
[Burundi] Muyira, 26.xii.1984—8.i.1985, A. Autrique leg., host: *Arthropteris* sp. (210104027).
248. *Capitophorus elaeagni* (del Guercio, 1894)
[Japan] Shizuoka, Shimizu, 31.iii.1977, Korenaga leg., host: *Elaeagni* sp. (210100539); Mie, Ise, 2.v.1981, M. Sorin leg. (210100541); Kagoshima, Tanegashima Is., xii.1974, E. Manabe leg. (210100540).
249. *Capitophorus hippophaes javanicus* Hille Ris Lambers, 1953
[Japan] 2 slides, Shizuoka, Shimizu, 1.xii.1976, Korenaga leg., host: *Elaeagnus* sp. (210100543, 210100544); 31.iii.1977, same locality, collector and host (210100545); Mie, Ise, 11.xii.1969, M. Sorin leg., host: *Elaeagnus* sp. (210100542); 1 slide, 2.v.1981, host: *Elaeagnus multiflora*, same locality and collector (210100546); 3 slides, Mie, Ise, Sakuragaoka, 13.v.1994, M. Sorin leg., host: *Crataegus cuneata* (210100549—51); Okinawa, Higashi son, 23.iv.1982, Ikeyama leg. (210100547); 1 slide, late.iv.1982, same locality and collector (210100548).
250. *Capitophorus mitegoni* Eastop, 1956
[Japan] Kanagawa, Hatano, 21.vii.1967, Nakazawa leg. (210100553).
251. *Capitophorus xanthii* (Oestlund, 1886)
[USA] Utah, Leviston, 15.ix.1926, G. F. Knowlton leg., host: *Xanthium echinatum* (210100554).
252. *Capitophorus* sp. (nymph)
[Japan] Niigata, Kurokawa, 3.x.1991, K. Baba leg., host: *Polygonum blumei* (210100552).
253. *Carolinaia (Juncomyzus) japonica* (Takahashi, 1963)
[Japan] Tochigi, Nikko, Tamoza, Botanical garden, 29.v.1965, T. Tanaka leg., host: *Schizophragma hydrangeoides* (210100556); Osaka, Hirao, 3.xi.1961, M. Sorin leg., host: *Rhus tricarpa* (210100557); Fukuoka, Fukuoka, 20.iv.1964, V. D. Bosch leg., host: *Rhus succedanea* (210100555).
254. *Carolinaia (Juncomyzus) obscura* (Hille Ris Lambers, 1965)
[Japan] Ishikawa, Komatsu, Sandani, 7.x.1977, I. Togashi leg., host: *Juncus effusus* (210100562); Osaka, 25.iv.1964, V. den Bosch leg., host: cf. *Juncus* sp., paratypes (210100561); Nara, Kasugayama, 25.v.1964, M. Sorin leg., host: cf. *Carex* sp. (210100560).

255. *Carolinaia (Juncomyzus) nigra* (Miyazaki, 1971)

[Japan] Osaka, Hirao, 9.xi.1960, M. Sorin leg., host: *Rhus trichocarpa* (210100558); 1 slide, 23.iv.1961, host: *Rhus* sp., same locality and collector (210100559).

256. *Cavariella (s. str.) aegopodii* (Scopoli, 1763)

[Japan] Mie, Ise, 16.vi.1975, M. Sorin leg., host: *Salix* sp. (210100564); Osaka, Higashiyama, 23.vi.1957, M. Sorin leg., host: *Daucus carota* (210100563).

257. *Cavariella (s. str.) angelicae* (Matsumura, 1918)

[Japan] Osaka, Mt. Nijo, 26.vi.1960, R. Takahashi leg., host: *Angelica* sp. (210100565).

258. *Cavariella (s. str.) araliae* Takahashi, 1921

[Japan] Ishikawa, Tsurugi, Yahata, 11.viii.1992, I. Togashi leg., host: *Aralia elata* (210100567); Tokyo, 23.vii.1954, R. Takahashi leg., host: *Aralia* sp. (210100569); Mie, Ise, Kamiji, Asahidani, 3.viii.2003, M. Sorin leg., host: *Aralia elata* (210100571); Osaka, 17.xi.1958, M. Sorin leg., host: *Aralia elata* (210100566); Osaka, Kawachinagano, 4.ix.1955, R. Takahashi leg., host: *Aralia elata* (210100570); Tottori, Chizu, 25.vii.1975, M. Sorin leg., host: *Aralia* sp. (210100568); Okinawa, Higashi son, late.iv.1982, Ikenaga leg. (210100572); 1 slide, 23.iv.1982, same locality and collector (210100573).

259. *Cavariella (s. str.) aspidaphoides* Hille Ris Lambers, 1969

[Iran] Fars, Chiraz, 27.iv.1966, Donskoff leg., host: *Salix* sp. (210104031).

260. *Cavariella (s. str.) gilibertiae* Takahashi, 1961

[Japan] Tokyo, 17.i.1962, M. Sorin leg., host: *Gilibertia pellucidopunctata* (210100574).

261. *Cavariella (s. str.) japonica* (Essig & Kuwana, 1918)

[Japan] Tokyo, vii.1959, R. Takahashi leg., host: *Salix* sp. (210100582); Kanagawa, Hatano, 10.vi.1967, M. Sorin leg., host: *Salix* sp. (210100584); Mie, Ise, Kuratayama, 12.v.1982, M. Sorin leg. (210100583); Nara, Kashihara, 25.vi.1989, M. Sorin leg., host: *Cryptotaenia canadensis* (210100581).

262. *Cavariella (s. str.) konoi* Takahashi, 1939

[Japan] Mie, Ichishi, Misugi, 2.xi.1965, Z. Yamashita leg. (210100585).

263. *Cavariella (s. str.) salicicola* (Matsumura, 1917)

[Japan] Kanagawa, Hatano, 10.vi.1967, M. Sorin leg., host: *Salix* sp. (210100587); Shiga, Nagahama, 18.vii.1968, M. Sorin leg., host: *Salix* sp. (210100589); Osaka, Hirao, 17.v.1959, M. Sorin leg., host: *Salix* sp. (210100588); Osaka, Kuroyama, 6.v.1961, M. Sorin leg., host: *Salix* sp. (210100586).

264. *Cavariella (s. str.) saxifragae* Remaudière, 1959

[France] B. A. 1300 m, Jausiers, 14.ix.1969, Remaudière leg., host: *Saxifraga aizoides* (210104033).

265. *Cavariella (s. str.) theobaldi* (Gillette & Bragg, 1918)

[France] Haute Savoie, Passy, 8.viii.1986, Remaudière leg., host: *Pastanica sativa* (210104032).

266. *Cavariella (Cavariellinepicauda) heraclei* Takahashi, 1961

[Japan] Tokyo, 20.vii.1963, M. Sorin leg., host: *Heracleum lanatum* (210100576); Mie, Ise, 27.vi.1976, M. Sorin leg., host: *Aralia cordata* (210100577); Mie, Ise, Kuratayama, 11.vi.1987, M. Sorin leg., host: *Aralia cordata* (210100575); Osaka, Hirao, 10.vii.1960, M. Sorin leg., host: *Oenanthe stolonifera* (210100578); 2 slides, Osaka, Mt. Iwawaki, 29.v.1960, M. Sorin leg., host: *Oenanthe stolonifera* (210100579, 210100580).

267. *Chaetosiphon (Chaitomyzus) hirticorne* (Takahashi, 1960)

[Japan] Osaka, Mt. Kongo, 10.viii.1958, M. Sorin leg., host: *Clinopodium* sp. (210100592).

268. *Chaetosiphon (Pentatrachopus) coreanum* (Paik, 1965)

[Japan] Hokkaido, Sapporo, 31.vii.1986, M. Sorin leg., host: *Rosa* sp. (210100590); Niigata, Sado, 28.viii.1963, M. Sorin leg., host: *Rosa rugosa* (210100591).

269. *Chaetosiphon (Pentatrachopus) fragaefolii* (Cockerell, 1901)

[Japan] Nara, Kashihara, Shijo cho, 15.ii.1972, T. Sugiura leg., host: *Fragaria chiloensis* (210100593).

270. *Chaetosiphon (Pentatrachopus) minor* (Forbes, 1884)

[Japan] 2 slides, Ishikawa, Kanazawa, 10.x.1975, M. Sorin leg., host: *Fragaria chiloensis ananassa* (210100595); 1 slide, 20.xi.1975, same locality, collector and host (210100594).

271. *Chondrillobium blattnyi* (Pintera, 1959)

[France] Pyrenees Orientales, Le Boulou, 22.v.1985,

- Remaudière leg., host: *Chondrilla juncea* (210104037).
272. *Clypeoaphis suaedae suaedicola* Hille Ris Lambers, 1939
[France] Cotes du Nord, Sillon de Talbert, 19.viii.1967, Remaudière leg., host: *Suaeda maritima* (210104041).
273. *Coloradoa absinthii* (Lichtenstein, 1885)
[France] Hautes Alpes 1600 m, Sud Vars, 14.x.1986, Remaudière leg., host: *Artemisia absinthium* (210104042).
274. *Coloradoa achilleae* Hille Ris Lambers, 1939
[England] 2 slides, Surrey, Kew, 6.ix.1966, V. F. Eastop leg., host: *Achillea millefolium* (210100596, 210100597).
275. *Coloradoa artemisiae* (del Guercio, 1913)
[France] Haute Savoie, Sallanches, 28.vii.1981, Remaudière leg. (210104043).
276. *Coloradoa artemisicola* Takahashi, 1965
[Japan] Aomori, Gappo, 14.vii.1974, S. Tsukaguchi leg., host: *Artemisia* sp. (210100598); Mie, Ise, Kamiji, 6.v.2000, M. Sorin leg., host: *Artemisia* sp. (210100600); Mie, Tsu, 14.vii.1966, M. Sorin leg., host: *Artemisia* sp. (210100599).
277. *Coloradoa bournieri* Remaudière & Leclant, 1969
[Spain] Leon, Garano, La Magdalena, 29.vi.1986, Remaudière & Nieto leg., host: *Santelina chamaecyparissius* (210104044).
278. *Coloradoa inodorella* Ossiannilsson, 1959
[France] Hautes Alpes 1850 m, Vars, Sainte Catherine, 14.x.1986, Remaudière leg., host: *Matricaria inndora* (210104045).
279. *Coloradoa rufomaculata* (Wilson, 1908)
[Japan] Nara, Kashihara, 24.vi.1990, M. Sorin leg., host: *Chrysanthemum* sp. (210100601).
280. *Coloradoa submissa* Doncaster, 1961
[France] Herault, Carnon, 3.xii.1958, Remaudière leg., host: *Artemisia gallica* (210104046).
281. *Corylobium avellanae* (Schrank, 1801)
[England] Surrey, Box hill, 16.vi.1960, J. P. Doncaster leg., host: *Corylus avellana* (210100602). **[France]** Val de Marne, La Varenne, 15.vi.1986, Remaudière leg., host: *Corylus avellana* (210104047).
282. *Cryptaphis geranicola* (Shinji, 1935)
[Japan] Mie, Ise, Shimaji, 4.viii.1976, M. Matsuura leg., host: *Ranunculus acris japonica* (210100603).
283. *Cryptaphis menthae* Takahashi, 1961
[Japan] Mie, Ise, 7.v.1972, M. Sorin leg., host: *Isodon japonicus* (210100604).
284. *Davatchiaphis persica* Remaudière, 1964
[Iran] Garonsar, Hadjiabad, 11.xi.1962, Remaudière leg., host: *Pharagmites communis*, paratypes (210100606); 18.xi.1962, Remaudière leg., paratypes (210104055).
285. *Delphiniobium lycoctoni* Börner, 1950
[France] Hautes Alpes 1800 m, La Grave, 19.viii.1986, Remaudière leg., host: *Aconitum lycoctonum* (210104057).
286. *Delphiniobium yezoense* Miyazaki, 1971
[Japan] Hokkaido, Sapporo, 12.vi.1968, M. Miyazaki leg., host: *Aconitum* sp. (210100607).
287. *Diuraphis (Holcaphis) cf. frequens* (Walker, 1848)
[Turkey] Diyarbakir, 16.x.1962, Remaudière leg., host: *Crowinees saati* (210104070).
288. *Dysaphis (s. str.) foeniculus* (Theobald, 1923)
[Japan] Mie, Ise, v.1967, M. Sorin leg., host: *Daucus carota*, root (210100608).
289. *Dysaphis (s. str.) rumeccicola* (Hori, 1927)
[Japan] Kanagawa, Hatano, 15.xi.1969, Nakazawa leg. (210100613).
290. *Dysaphis (s. str.) tulipae* (Boyer de Fonscolombe, 1841)
[Japan] Niigata, Kodo, 18.x.1980, W. Amaki leg., host: *Iris* sp., bulb (210100615); 1 slide, i.1966, K. Sibata leg., host: *Tulipa* (*Tulipa* sp.), same locality (210100616); Okayama, Kurashiki, 23.vii.1975, M. Sorin leg., host: *Iris* sp. (210100614).
291. *Dysaphis (Pomaphis) plantaginea* (Passerini, 1860)
[Japan] 2 slides, Niigata, Kurokawa, 23.vi.1992, K. Baba leg.,

host: *Plantago asiatica* (210100611, 210100612); Mie, Osugidani, 29.vii.1982, M. Sorin leg., host: *Plantago asiatica* (210100609); Osaka, Mt. Kongo, 20.viii.1961, M. Sorin leg., host: *Plantago major asiatica* (210100610).

292. *Elatobium momii* (Shinji, 1922)

[Japan] Osaka, Kuroyama, 3.vi.1960, M. Sorin leg., host: *Cephalotaxus drupacea* (210100617).

293. *Elatobium piceanum* (Inouye, 1939)

[Japan] Nagano, Mt. Ontake, 18.viii.1968, Z. Yamashita leg., host: *Abies mariesii* (210100618).

294. *Elatobium trochodendri* Takahashi, 1960

[Japan] Hyogo, Kobe, Mt. Rokko, 11.vi.1961, R. Takahashi leg., host: *Trochodendron* sp. (210100619).

295. *Eomacrosiphon nigromaculosum* (MacDougall, 1926)

[USA] Utah, Pine Valley, 5.viii.1965, G. F. Knowlton leg. (210100620).

296. *Ericaphis ericae* (Börner, 1933)

[Spain] Asturias, Playa de Vega, 6.vii.1986, host: *Daboecia cantabrica* (210104063).

297. *Eumyzus clinopodii* Takahashi, 1965

[Japan] Ishikawa, Noto, Kashima machi, 26.ix.1995, I. Togashi leg., host: *Impatiens noli-tangere* (210100627); 2 slides, Mie, Ise, Kamiji, 6.viii.1972, M. Sorin leg., host: *Isodon* sp. (210100621, 210100622); 4 slides, Osaka, Mt. Iwawaki, 12.x.2006, T. Ueda leg., host: *Isodon longitubus* (210100623—26).

298. *Eumyzus gallicola* Takahashi, 1963

[Japan] Ishikawa, Mt. Hakusan, 27.viii.2000, I. Togashi leg., host: *Impatiens noli-tangere* (210100630); 2 slides, 30.viii.2000, same locality, collector and host (210100628, 210100629).

299. *Eumyzus impatiensae* (Shinji, 1924)

[Japan] 2 slides, Ishikawa, Hakusan, 2.x.2008, I. Togashi leg., host: *Impatiens textori* (210100634, 210100635); 3 slides, Nagano, Mt. Kirigamine, 27.vii.1996, M. Sorin leg., host: *Impatiens noli-tangere* (210100636—38); 2 slides, Mie, Itaka cho, Oda, 6.x.1980, M. Sorin leg., host: *Impatiens* sp.

(210100632, 210100633); Nara, Mt. Omimesan, 4.viii.1961, M. Sorin leg., host: *Impatiens noli-tangere* (210100631).

300. *Hayhurstia atriplicis* (Linnaeus, 1761)

[Japan] Kanagawa, Hatano, 11.vi.1967, M. Sorin leg., host: *Chenopodium album* (210100639); 1 slide, 18.viii.1969, Nakazawa leg. (210100640), 1 slide, 3.ix.1969, Nakazawa leg. (210100641), same locality. **[Burundi]** Bujumbura, 1984, A. Autrique leg. (210104073).

301. *Hyadaphis coriandri* (Das, 1918)

[Burundi] Muyira, vii.1983, A. Autrique leg., host: *Paucedanum* sp. (210104074).

302. *Hyadaphis tataricae* (Aizenberg, 1935)

[Paraguay] 2 slides, Caacupe, 10.viii.2000, Y. Kimura leg., host: *Umbelliflorae* sp. (210100642, 210100643).

303. *Hydaphias hofmanni* Börner, 1950

[France] Haute Savoie, Passy, La Combe, 8.viii.1986, Remaudière leg., host: *Galium mollugo* (210104075).

304. *Hydronephes calanthes* Sorin, 1983

[Japan] 2 slides, Yamaguchi, Toyota, 8.v.1982, Y. Uezumi leg., host: *Calanthe discolor*, syntypes (210100644, 210100645).

305. *Hydronephes liriopes* Aida, 1979

[Japan] Mie, Ise, Naiku shrine, 30.x.1968, M. Sorin leg., host: *Deutzia* sp. (210100646).

306. *Hyperomyzus carduellinus* (Theobald, 1915)

[Japan] Niigata, Nishikanbara, Takeno, 18.x.1980, A. Arakawa leg., host: *Sonchus oleraceus* (210100649); Osaka, 13.x.1958, M. Sorin leg., host: *Lactuca* sp. (210100648); Okinawa, Hentona, 2.ii.1966, K. Iha leg., host: *Sonchus oleraceus* (210100647). **[Afganistan]** Cuyo, 21.x.1985, Bahamondes leg., host: *Sonchus asper* (210104076).

307. *Hyperomyzus lactucaae* (Linnaeus, 1758)

[Japan] Hokkaido, Sapporo, Jozankei, 21.ix.1962, M. Sorin leg., host: *Lactuca* sp. (210100650); 2 slides, Kagoshima, 17.v.1995, D. Yamaguchi leg., host: *Sonchus oleraceus* (210100651, 210100652); Okinawa, Higashi son, late.iii.1982, Ikenaga leg. (210100656); 2 slides, early.iv.1982 (210100655,

210100657), 2 slides, 19.iv.1982, host: *Sonchus oleraceus* (210100653, 210100654), same locality and collector. **[Denmark]** Jyll., Skive, 24.v.1981, O. Heie leg., host: *Ribes nigrum* (210103784); 1 slide, 6.vi.1979, same locality, collector and host (210103785).

308. *Impatiens balsamines* (Kaltenbach, 1862)

[Japan] Niigata, Mt. Yahiko, 27.vii.1966, R. Takahashi leg., host: *Impatiens noli-tangere* (210100658).

309. *Impatiens impatiens* (Shinji, 1922)

[Japan] Kanagawa, Hatano, 15.xi.1969, Nakazawa leg. (210100663); Ishikawa, 1.v.1983, I. Togashi leg., host: *Smilax* sp. (210100664); Mie, Ise, 5.v.1967, M. Sorin leg., host: *Smilax* sp. (210100660); Osaka, 3.v.1959, M. Sorin leg., host: *Lagerstroemia indica* (210100661); Osaka, Kobuka, 23.x.1960, R. Takahashi leg., host: *Impatiens textori* (210100662); Nara, Kashihara, 19.v.1960, M. Sorin leg., host: *Smilax* sp. (210100659).

310. *Indomegoura indica* (van der Goot, 1916)

[Japan] 2 slides, Ishikawa, Mt. Hakusan, 28.ix.2006, I. Togashi leg., host: *Hemerocallis lettorea* (210100669, 210100670); Nagano, Kisofukushima, 13.vii.1986, M. Sorin leg., host: *Hemerocallis thunbergii* (210100668); Mie, near Ise, Futami, 13.vii.1976, T. Chuma leg., host: *Hemerocallis lettorea* (210100667); Okinawa, Higashi son, 23.iv.1982, Ikenaga leg. (210100665); 1 slide, late.iv.1982, Ikenaga leg., same locality and collector (210100666).

311. *Indomegoura nigrotibiae* (Tao, 1963)

[Japan] Hokkaido, Sapporo, 26.ix.1961, S. Takagi leg., host: *Staphylea bumalda* (210100671); Mie, Ichishi, Hakusan cho, 2.xii.1968, A. Kitamura leg., host: *Euscaphis japonica* (210100672); 2 slides, Mie, Ise, Naiku shrine, 10.viii.2000, M. Sorin leg., host: *Euscaphis japonica* (210100673, 210100674).

312. *Ipuka dispersum* (van der Goot, 1917)

[Burundi] Muyira, 1984, Autrique leg., host: *Muor piuge* (210104078).

313. *Kugegania ageni* (Eastop, 1955)

[Burundi] Muyira, A. Autrique leg. (210104081).

314. *Liosomaphis berberidis* (Kaltenbach, 1843)

[Japan] Nara, Mt. Odaigahara, 16.viii.1956, R. Takahashi leg., host: *Berberis* sp. (210100675).

315. *Liosomaphis ornata* Miyazaki, 1971

[Japan] Hokkaido, Sapporo, 1.vi.1968, M. Miyazaki leg., host: *Berberis thunbergii* (210100676).

316. *Lipaphis erysimi* (Kaltenbach, 1843)

[Japan] Chiba, Tateyama, Awa, 22.xii.1959, K. Sekiguchi leg. (210100691); Kanagawa, Hatano, 15.xi.1969, Nakazawa leg. (210100684); Niigata, Maki, 9.xi.1976, A. Arakawa leg., host: *Brassica campestris* (210100680); Niigata, Nishikanbara, 24.x.1977, A. Arakawa leg. (210100679); Mie, Ise, i.1971, E. Shinohara leg., host: Raddish (*Brassica rapa*) (210100682); 1 slide, ii.1972, M. Sorin leg., host: *Brassica* sp., same locality (210100683); Mie, Taki, 5.ii.1976, M. Sorin leg., host: *Brassica* sp. (210100681); Kanagawa, Hatano, 15.xi.1969, Nakazawa leg. (210100684); Kagoshima, Tanegashima Is., 29.xi.1972, Y. Otsu leg. (210100687); 1 slide, 2.ix.1975, E. Manabe leg., host: Raddish (*Brassica rapa*), same locality (210100685). **[Thailand]** Bangkok, Bangkokhen, 21.x.1966, S. Rurkvirec leg., host: *Brassica oleracea acephala* (210100688—90). **[USA]** Utah, Hunnicone, 18.iv.1956, G. F. Knowlton leg. (210100686). **[Paraguay]** 2 slides, Caacupe, 8.iv.2000, Y. Kimura leg., host: *Brassica oleracea capitata* (210100677, 210100678).

317. *Longicaudinus corydalisicola* (Tao, 1962)

[Japan] Osaka, Chihaya, 17.v.1959, M. Sorin leg., host: *Corydalis japonica* (210100692).

318. *Longicaudus trirhodus* (Walker, 1849)

[Japan] Kanagawa, Hatano, 10.vi.1967, M. Sorin leg., host: *Corydalis platycarpa* (210100695); 1 slide, 8.xi.1967, Nakazawa leg. (210100701), 1 slide, 8.xi.1969, Nakazawa leg. (210100694), 2 slides, 12.xi.1969, Nakazawa leg. (210100693, 210100700), 2 slides, 15.xi.1969, Nakazawa leg. (210100698, 210100699), same locality; Nagano, Hara mura, 8.viii.1986, M. Sorin leg., host: *Thalictrum aquilegifolium* (210100702); Mie, Taki, Sana, 4.viii.1965, M. Sorin leg., host: *Corydalis platycarpa* (210100697); Osaka, Mt. Kongo, 9.viii.1958, M. Sorin leg., host: *Thalictrum thunbergii hypoleucum* (210100696); Wakayama, 23.v.1954, R. Takahashi leg. (210100703). **[Denmark]** EI, Kolding, 10.viii.1982, O. Heie leg., host: *Aguilegia* sp.

(210103787).

319. *Macchiatella itadori* (Shinji, 1924)

[Japan] Hokkaido, Obihiro, 28.ix.1995, M. Sorin leg., host: *Polygonum sachalinense* (210100704); Nagano, Kiso, Narai, 15.ix.1994, M. Sorin leg., host: *Rhamnus japonica* (210100710); Nagano, Matsushiro, 11.x.1993, N. Hirukawa leg., host: *Rhamnus japonica* (210100709); Mie, Ise, 3.xi.1967, M. Sorin leg., host: *Polygonum cuspidatum* (210100708); 1 slide, 12.xi.1995, host: *Rhamnus japonica*, same locality and collector (210100705); 2 slides, Osaka, Mt. Nijo, 3.xi.1956, M. Sorin leg., host: *Polygonum Reynoutria* (210100706, 210100707).

320. *Macchiatella rhamni* (Boyer de Fonscolombe, 1841)

[France] 2 slides, Hautes Alpes 1800 m, Ailefroide, 24.viii.1994, Remaudière leg., host: *Rhamnus alpina* (210104090, 210104091); 2 slides, Vars, Ste marie, 10.ix.1953, host: *Rhamnus alpina* (210104088, 210104089). **[Spain]** Potes, 3.viii.1985, Remaudière & Nieto leg., host: *Rhamnus* sp. (210104092).

321. *Macromyzella celticola* Sorin & Arakawa, 2005

[Japan] Niigata, Murakami, Senami, 1.vi.1992, K. Baba leg., host: *Celtis bungeana jessoensis*, paratypes (210100728).

322. *Macromyzella polypodicola* (Takahashi, 1921)

[Japan] Niigata, Iwafune, Asahi mura, Takane, 24.vi.1992, K. Baba leg., host: *Osmunda japonica* (210100711).

323. *Macromyzella* sp.

[Japan] Niigata, Kurokawa, Tainai, 17.xii.1991, K. Baba leg., host: *Cryptoneria japonica* (210100712).

324. *Macromyzus* (s. str.) *woodwardiae* (Takahashi, 1921)

[Japan] Tochigi, Nikko, 13.x.1967, M. Sorin leg., host: *Hydrangea cuspidata* (210100718); Mie, Owase, 9.xii.1979, M. Sorin leg., host: *Hydrangea scandens* (210100719); Mie, Iitaka cho, Hachisu, 16.v.1976, M. Sorin leg., host: *Hydrangea sikokiana* (210100717); 1 slide, 26.viii.1976, host: Fern (Pteridophyta), same locality and collector (210100723); Mie, Iitaka cho, Oda, 29.xi.1979, M. Sorin leg., host: *Hydrangea scandens* (210100713); Mie, Ise, Geku shrine, 26.v.1972, M. Sorin leg., host: *Pyrrosia lingua* (210100722); Mie, Ise, Mt. Shimaji, 13.xi.1968, M. Sorin leg., host: *Hydrangea virens*

(210100714); 1 slide, 28.iv.1969, host: *Hydrangea scandens* (210100727); 1 slide, 1.v.1976, host: *Hydrangea scandens* (210100716), same locality and collector; 2 slides, Mie, Ise, Naiku shrine, 14.ix.2004, M. Sorin leg., host: *Dryopteris orythrosora* (210100720, 210100721); Mie, Ise, near Naiku shrine, 25.x.1970, M. Sorin leg., host: *Hydrangea virens* (210100715); Osaka, Amanosan, 25.vi.1961, R. Takahashi leg., host: Fern (Pteridophyta) (210100726); 2 slides, Osaka, near Kawachinagano, 29.v.1960, M. Sorin leg., host: *Dryopteris* sp. (210100724, 210100725).

325. *Macrosiphoniella* (s. str.) *absinthii* (Linnaeus, 1758)

[France] Herault, Carnon, 20.v.1985, Remaudière leg., host: *Artemisia campestris* (210104101).

326. *Macrosiphoniella* (s. str.) *artemisiae* (Boyer de Fonscolombe, 1841)

[Denmark] WI, Bording, 2.vii.1981, O. Heie leg., host: *Artemisia vulgaris* (210103788). **[England]** 2 slides, Surrey, Kew, 4.vi.1961, V. F. Eastop leg., host: *Artemisia vulgaris* (210100729, 210100730). **[France]** Haute Savoie, Sallanches, Savoie, 28.vii.1981, Remaudière leg., host: *Artemisia vulgaris* (210104093). **[Spain]** Leon, Palasio del Sil, 28.vi.1985, Remaudière & Nieto leg., host: *Artemisia vulgaris* (210104094).

327. *Macrosiphoniella* (s. str.) *atra* (Ferrari, 1872)

[France] Hautes Alpes 1400 m, La Grave, 20.viii.1986, Remaudière leg., host: *Artemisia camphorata* (210104095).

328. *Macrosiphoniella* (s. str.) *chamaemelifoliae* Remaudière & Leclant, 1972

[France] 5 slides, Lautaret, 12.viii.1966, Remaudière leg., host: *Artemisia* sp., paratypes (210104096—100).

329. *Macrosiphoniella* (s. str.) *formosartemisiae* Takahashi, 1921

[Japan] Mie, Ise, Miyagawa, 13.vii.1971, E. Shinohara leg., host: *Artemisia capillaris* (210100736); Mie, Suzuka, 28.xi.1984, M. Sorin leg., host: *Artemisia* sp. (210100738); 2 slides, Osaka, 23.ix.1956, M. Sorin leg., host: *Artemisia vulgaris* (210100739, 210100740); Hyogo, Kobe, Mt. Futatabi, 13.vi.1965, M. Sorin leg., host: *Artemisia keisukeana* (210100737).

330. *Macrosiphoniella* (s. str.) *helichrysi* Remaudière, 1952
[France] Herault, La Taillade, 19.v.1985, Remaudière leg., host: *Helichrysum stoechas* (210104102).
331. *Macrosiphoniella* (s. str.) *hokkaidensis* Miyazaki, 1971
[Japan] Hokkaido, Sapporo, 24.vii.1965, M. Miyazaki leg., host: *Artemisia* sp. (210100750).
332. *Macrosiphoniella* (s. str.) *pseudoartemisiae* Shinji, 1933
[Japan] Ibaraki, Imazato, 31.v.1967, Nakazawa leg. (210100756); Mie, Ise, Miyagawa, 4.iv.1971, E. Shinohara leg., host: *Artemisia capillaris* (210100757).
333. *Macrosiphoniella* (s. str.) *ptarmicae* Hille Ris Lambers, 1956
[France] Aube, Nogent sur Seine, 24.v.1953, Remaudière leg., host: *Achillea ptarmica* (210104106).
334. *Macrosiphoniella* (s. str.) *sanborni* (Gillette, 1908)
[Japan] Ishikawa, Nonoichi, Suematsu, 24.xi.1977, I. Togashi leg. (210100761); Mie, Ise, 31.x.1973, M. Sorin leg., host: *Chrysanthemum morifolium* (210100760); Mie, Ise, Kamiji, 5.x.2002, M. Sorin leg., host: *Chrysanthemum morifolium spontaneum* (210100762). **[Paraguay]** 2 slides, Caraguatay, 25.v.1999, H. Kimura leg., host: *Chrysanthemum* sp. (210100758, 210100759).
335. *Macrosiphoniella* (s. str.) *tanacetaria* (Kaltenbach, 1843)
[France] Joinville, Bois de Vincennes, 31.viii.1986, Remaudière leg., host: *Tanacetum vulgare* (210104104).
336. *Macrosiphoniella* (s. str.) *tapuskae* (Hottes & Frison, 1931)
[France] Haute Savoie 1600 m, St. Sorlin d Arves, 20.viii.1986, Remaudière leg., host: *Metricaria inodora* (210104105).
337. *Macrosiphoniella* (s. str.) *usquertensis* Hille Ris Lambers, 1935
[France] Haute Savoie, Passy, La Combe, 21.x.1985, Remaudière leg., host: *Achillea millefolium* (210104107).
338. *Macrosiphoniella* (s. str.) *yomogifoliae* (Shinji, 1924)
[Japan] Kanagawa, Hatano, 10.vi.1967, M. Sorin leg., host: *Artemisia* sp. (210100799); Mie, Ise, 27.viii.1967, M. Sorin leg., host: *Artemisia* sp. (210100796); 1 slide, 1.vi.1975, same locality, collector and host (210100798); Osaka, Hirao, 28.vii.1960, M. Sorin leg., host: *Artemisia* sp. (210100800); Osaka, Kawachinagano, Yokoyama, 29.ix.1960, M. Sorin leg., host: *Artemisia* sp. (210100797); Hyogo, Kinosaki, 31.x.1957, Takahashi leg., host: *Artemisia* sp. (210100795).
339. *Macrosiphoniella* (*Asterobium*) *yomenae* (Shinji, 1922)
[Japan] Shimane, Hamada, 23.v.1977, M. Sorin leg., host: *Aster* sp. (210100763).
340. *Macrosiphoniella* (*Phalangomyzus*) *grandicauda* Takahashi & Moritsu, 1963
[Japan] Niigata, Kurokawa, 21.vii.1991, M. Sorin leg., host: *Chrysanthemum* sp. (210100744); Mie, Ise, 19.v.1981, M. Sorin leg., host: *Artemisia* sp. (210100743); Osaka, 28.x.1964, M. Sorin leg., host: *Artemisia* sp. (210100741); Hiroshima, 3.xii.1965, M. Sorin leg., host: *Artemisia* sp. (210100742).
341. *Macrosiphoniella* (*Phalangomyzus*) *hidaensis* Takahashi & Moritsu, 1963
[Japan] Gunma, Tashiro, 28.x.1959, K. Shibata leg., host: *Artemisia* sp. (210100746); Ishikawa, Mt. Hakusan, 10.viii.1979, I. Togashi leg., host: *Artemisia* sp. (210100745); Yamanashi, Daibosatsu toge, 16.vii.1971, M. Kono leg. (210100748); Nagano, Utsukushigahara, 30.vii.1973, M. Sorin leg., host: *Artemisia* sp. (210100747).
342. *Macrosiphoniella* (*Phalangomyzus*) *oblonga* (Mordvilko, 1901)
[England] 2 slides, Surrey, Kew, 4.vi.1961, V. F. Eastop leg., host: *Artemisia* sp. (210100754, 210100755).
[France] Hautes Alpes 1850 m, Vars, Sainte Catherine, 14.x.1985, Remaudière leg., host: *Artemisia vulgaris* (210104103).
343. *Macrosiphoniella* (*Sinosiphoniella*) *chaetosiphon* Takahashi & Moritsu, 1963
[Japan] Mie, Iitaka cho, Kaminigaki, 19.viii.1979, C. Takeoka leg., host: *Artemisia capillaris* (210100733); Mie, Kawakami, 30.vii.1967, M. Sorin leg., host: *Artemisia* sp. (210100732); Nara, Mt. Yoshino, 9.vii.1961, M. Sorin leg., host: *Artemisia* sp. (210100731); 2 slides, Kagoshima, 15.vi.1995, D. Yamaguchi leg., host: *Artemisia vulgaris indica* (210100734, 210100735).

344. *Macrosiphoniella* (*Sinosiphoniella*) *hikosanensis* Moritsu, 1949
[Japan] Tokyo, Mt. Takao, 30.vii.1957, R. Takahashi leg., host: *Artemisia* sp. (210100749).
345. *Macrosiphoniella* (*Sinosiphoniella*) *kuwayamai* Takahashi, 1941
[Japan] Ibaraki, Imazato, 20.vii.1967, Nakazawa leg. (210100751); Aichi, Nagoya, Nagoya University, 11.vii.1984, Tsuji leg., host: *Artemisia* sp. (210100752); Shiga, Otsu, 18.vii.1968, M. Sorin leg., host: *Artemisia* sp. (210100753).
346. *Macrosiphoniella* (*Sinosiphoniella*) *yomogicola* (Matsumura, 1917)
[Japan] Hokkaido, Shikotan Is., Shakotan, 26.vii.1940, S. Kuwayama leg., host: *Artemisia* sp. (210100773); 2 slides, Hokkaido, Sapporo, 19.ix.1962, M. Sorin leg., host: *Artemisia schmidtiana* (210100783, 210100784); Iwate, Morioka, 30.ix.1974, M. Sorin leg., host: *Artemisia* sp. (210100788); Fukushima, Aizuwakamatsu, 7.x.1971, M. Sorin leg., host: *Artemisia absinthium* (210100787); Tochigi, Nikko, 23.vii.1981, M. Sorin leg., host: *Artemisia* sp. (210100769); 2 slides, Tochigi, Shiobara, 23.viii.1971, M. Sorin leg., host: *Artemisia vulgaris indica* (210100785, 210100786); Niigata, Myoko kogen, 24.viii.1970, M. Sorin leg., host: *Artemisia* sp. (210100777); 1 slide, 25.viii.1970, same locality, collector and host (210100770); 3 slides, Niigata, Sado, 29.vii.1969, K. Takanashi leg. (210100772, 210100778, 210100779); 2 slides, 1.viii.1969 (210100781, 210100782), 1 slide, 2.viii.1969 (210100780), same locality and collector; Yamanashi, Daibosatsu toge, 14.vii.1971, M. Kono leg. (210100771); Ishikawa, Mt. Hakusan, 10.viii.1979, I. Togashi leg., host: *Artemisia* sp. (210100794); Mie, Iitaka cho, Hachisu, 16.v.1976, M. Sorin leg., host: *Artemisia* sp. (210100789); 2 slides, 22.vii.1976, same locality, collector and host (210100775, 210100793); Mie, Iitaka cho, Oda, 26.viii.1946, M. Sorin leg., host: *Artemisia* sp. (210100776); Osaka, Kawachinagano, 22.xi.1959, R. Takahashi leg., host: *Artemisia* sp. (210100774); 2 slides, Osaka, Kobuka, 22.v.1960, M. Sorin leg., host: *Artemisia* sp. (210100791, 210100792); Nara, Mt. Omimesan, 31.vii.1957, M. Sorin leg., host: *Artemisia* sp. (210100790).
347. *Macrosiphoniella* sp.
[Japan] Mie, Ise, 3.vi.1976, M. Sorin leg., host: *Aster yomena* (210100768); 2 slides, Mie, Ise, Geku shrine, 10.vi.2004, M. Sorin leg., host: *Aster yomena* (210100766, 210100767); Mie, Ise, Naiku shrine, 9.viii.1968, M. Sorin leg., host: *Aster* sp. (210100764); Osaka, 25.v.1957, M. Sorin leg., host: *Aster* sp. (210100765).
348. *Macrosiphum* (s. str.) *cholodkovskyi* (Mordvilko, 1909)
[England] Slinfold, Sussex, 13.ix.1966, Toyce pope leg., host: *Filipendula ulmaria* (210100801).
349. *Macrosiphum* (s. str.) *clematifoliae* Shinji, 1924
[Japan] Fukushima, Inawashiro, 17.x.1968, M. Sorin leg., host: *Clematis* sp. (210100802); Mie, Ise, 24.xi.1969, M. Sorin leg., host: *Clematis* sp. (210100803); Mie, Ise, Mt. Shimaji, 21.xi.1968, M. Sorin leg., host: *Clematis* sp. (210100804).
350. *Macrosiphum* (s. str.) *euphorbiae* (Thomas, 1878)
[Japan] Shizuoka, 2.ii.1977, F. Ikeda leg., host: Lettuce (*Lactuca sativa*) (210100807); Mie, Ise, Kuratayama, 4.viii.1989, M. Sorin leg., host: Tomato (*Solanum lycopersicum*) (210100808); Nara, Kashihara, 8.vii.1989, M. Sorin leg., host: Tomato (*Solanum lycopersicum*) (210100806). **[England]** 2 slides, Kent, Bromley, 16.v.1965, H. C. Dale leg., host: *Aquilegia* sp. (210100811, 210100812). **[Paraguay]** Asuncion, 8.ix.1997, Y. Kimura leg., host: *Capsicum* sp. (210100805).
351. *Macrosiphum* (s. str.) *gei* (Koch, 1855)
[France] Val de Marne, La Varenne, 24.v.1986, Remaudière leg., host: *Geum urvarenne* (210104108).
352. *Macrosiphum* (s. str.) *lisae* Heie, 1965
[Denmark] Blokhush, 11.vii.1964, O. Heie leg., host: *Chamaenerion angustifolium*, paratypes (210103789).
353. *Macrosiphum* (s. str.) *meixneri* Börner, 1950
[Spain] Pucrto de Anlares, alt. 1400 m, 28.vi.1986, host: *Euphorbia hyberna* (210104109).
354. *Macrosiphum* (s. str.) *melampyri* Mordvilko, 1919
[Sweden] Ang., Sprangsviken, 23.vii.1981, RD leg., host: *Melampyrum pratense* (210103790).
355. *Macrosiphum* (s. str.) *mordvilko* Miyazaki, 1968
[Japan] 2 slides, Mie, Hakusan cho, 7.vi.1986, M. Sorin leg.,

host: *Rosa rugosa* (210100809, 210100814); Nara, Kashihara, 20.v.1990, M. Sorin leg., host: *Rosa rugosa* (210100810).

356. *Macrosiphum* (*s. str.*) *oredonense* Remaudière, 1952

[France] Haute Savoie 1200 m, Lac Vert, 6.viii.1984, Remaudière leg., host: *Lonicera nigra* (210104110).

357. *Macrosiphum* (*Neocorylobium*) *corylicola* Shinji, 1930

[Japan] Hokkaido, Sapporo, 8.vi.1965, M. Miyazaki leg., host: *Corylus sieboldiana brevirostris* (210100813).

358. *Macrosiphum* (*Unisitobion*) *sorbi* Matsumura, 1918

[Japan] Hokkaido, Sapporo, 8.vii.1965, M. Miyazaki leg., host: *Sorbaria sorbifolia stellipila* (210100815).

359. *Matsumuraja hirakurensis* Sorin, 1971

[Japan] Mie, Kawakami, 31.vii.1967, M. Sorin leg., host: *Rubus idaeus nipponicus*, syntypes (210100818); Mie, Misugi, 18.viii.1978, M. Sorin leg., host: *Rubus phoenicolasius* (210100817); Mie, Osugidani, 25.vii.1987, M. Sorin leg., host: *Rubus phoenicolasius* (210100816).

360. *Matsumuraja nuditerga* Hille Ris Lambers, 1965

[Japan] Kanagawa, Hakone, 31.vii.1980, M. Sorin leg., host: *Rubus* sp. (210100820); Mie, Osugidani, 28.vii.1982, M. Sorin leg., host: *Rubus crataegifolius* (210100821); Osaka, Chihaya, 30.viii.1964, M. Sorin leg., host: *Rubus* sp. (210100822); 1 slide, 3.xi.1964, host: *Rubus microphyllus*, same locality and collector (210100819).

361. *Matsumuraja rubea* Sorin, 1965

[Japan] Nara, Mt. Ominesan, 31.vii.1957, M. Sorin leg., host: *Rubus* sp. (210100823).

362. *Matsumuraja rubi* (Matsumura, 1918)

[Japan] Tochigi, Shiobara, 23.viii.1971, M. Sorin leg., host: *Rubus palmatus coptophyllus* (210100824); Mie, Iitaka cho, Hachisu, 22.vii.1976, M. Sorin leg., host: *Rubus* sp. (210100830); Mie, Ise, Geku shrine, 7.vii.1968, M. Sorin leg., host: *Rubus* sp. (210100827); Mie, Kawakami, 31.vii.1967, M. Sorin leg., host: *Rubus* sp. (210100826); 2 slides, Hyogo, Kobe, Mt. Rokko, 13.x.1957, R. Takahashi leg., host: *Rubus* sp. (210100828, 210100829); Nara, Mt. Ominesan, 4.viii.1961, M. Sorin leg., host: *Rubus crataegifolius* (210100825).

363. *Matsumuraja rubifoliae* Takahashi, 1931

[Japan] 2 slides, Mie, Ise, Geku shrine, 7.vii.1968, M. Sorin leg., host: *Rubus* sp. (210100835, 210100841); 1 slide, 10.vi.2004, host: *Rubus hirsutus*, same locality and collector (210100842); Mie, Osugidani, 11.viii.1961, M. Sorin leg., host: *Rubus palmatus coptophyllus* (210100843); Mie, Taki, 30.vii.1988, M. Sorin leg., host: *Rubus* sp. (210100833); Osaka, Amanosan, 1.vi.1957, M. Sorin leg., host: *Clethra barbimerbis* (210100834); 1 slide, 19.xi.1961, same locality, collector and host (210100836); Osaka, Chihaya, 3.xi.1964, M. Sorin leg., host: *Rubus microphyllus* (210100831); Osaka, Kobuka, 3.xi.1961, M. Sorin leg., host: *Rubus crataegifolius* (210100832); Osaka, Izumi, 9.ii.1958, M. Sorin leg., host: *Rubus* sp. (210100837); 2 slides, Hyogo, Kobe, Mt. Rokko, 10.vi.1956, M. Sorin leg., host: *Clethra barbimerbis* (210100838, 210100839); Nara, Mt. Ominesan, vii.1961, M. Sorin leg., host: *Rubus palmatus coptophyllus* (210100840).

364. *Matsumuraja rubiphila* Takahashi, 1965

[Japan] Nara, Mt. Ominesan, 31.vii.1957, M. Sorin leg., host: *Rubus* sp., syntypes (210100844).

365. *Matsumuraja sorini* Takahashi, 1965

[Japan] Mie, Iitaka cho, Oda, 27.vii.1959, M. Sorin leg., host: *Rubus peltatus* (210100846); Nara, Mt. Odaigahara, 16.viii.1956, M. Sorin leg., host: *Rubus microphyllus* (210100845).

366. *Matsumuraja taisetsusana* Miyazaki, 1971

[Japan] Toyama, Midagahara, 16.vii.1969, M. Sorin leg., host: *Rubus spectabilis vernus* (210100847); Ishikawa, Mt. Hakusan, 6.vi.1998, I. Togashi leg., host: *Clethra barbimerbis* (210100848).

367. *Megoura brevopilosa* Miyazaki, 1971

[Japan] Mie, Ise, 5.x.1971, E. Shinohara leg., host: *Lespedeza bicolor* (210100859); 2 slides, 20.xi.1971, E. Shinohara leg., host: *Lespedeza* sp. (210100850, 210100853), 1 slide, 25.xi.1971, M. Sorin leg., host: *Lespedeza* sp. (210100855), 2 slides, 21.iii.1972, E. Shinohara leg., host: *Lespedeza* sp. (210100851, 210100852), 1 slide, 25.iii.1972, E. Shinohara leg., host: *Lespedeza* sp. (210100854), 1 slide, 29.vii.2004, M. Sorin leg., host: *Lespedeza patens* (210100857), same locality; Mie, Kawakami, 5.vii.1971, M. Sorin leg., host: *Lespedeza bicolor* (210100858); 1 slide, 13.iv.1972, host: *Lespedeza* sp., same locality and collector (210100856); Osaka, 19.viii.1955, M. Sorin leg., host:

Desmodium racemosum (210100849).

368. *Megoura crassicauda* Mordvilko, 1919

[Japan] 2 slides, Hokkaido, Kunashiri, Kotankeshi Is., 19.viii.1940, S. Kuwayama leg., host: *Vicia faba anacarpa* (210100866, 210100867); Chiba, Sonou, 13.vi.1971, M. Kono leg. (210100860); Ishikawa, Hakusan, Tsurugi, 20.v.2005, I. Togashi leg., host: *Vicia cracca japonica* (210100880); 4 slides, Mie, Hamajima, Nanbari, 28.iv.2000, M. Sorin leg., host: *Lathyrus maritimus* (210100874—77); 5 slides, Mie, Ise, Nakamura, 3.x.1971, E. Shinohara leg., host: *Vicia unijuga* (210100863—65, 210100869, 210100870); 2 slides, 18.v.1975, M. Sorin leg., host: *Vicia faba anacarpa* (210100871, 210100872), 1 slide, 30.viii.1986, M. Sorin leg., host: *Vicia unijuga* (210100861), same locality; 2 slides, Shiga, Kusatsu, Oiwake, 31.iii.2002, A. Ohtake leg., host: *Vicia sativa* (210100878, 210100879); Kyoto, 21.v.1987, E. Suga leg., host: *Vicia sativa* (210100862); Shimane, Izumo, vi.1986, T. Murai leg., host: *Vicia faba anacarpa* (210100873); Okayama, vi.1966, T. Inouye leg., host: *Vicia* sp. (210100868).

369. *Megoura lespedezae* (Essig & Kuwana, 1918)

[Japan] Chiba, Sonou, 13.vi.1971, M. Kono leg. (210100881); 2 slides, Yamanashi, Daibosatsu toge, 13.vii.1971, M. Kono leg. (210100887, 210100888); 1 slide, 16.vii.1971, same locality and collector (210100886); 2 slides, Mie, Ise, Kuratayama, 18.vi.1971, E. Shinohara leg., host: *Lepedeza bicolor* (210100889, 210100890); 1 slide, 5.vii.1971, M. Sorin leg. (210100895), 3 slides, 25.vii.2004, M. Sorin leg. (210100892—94), same locality and host; Osaka, Mt. Shigi, 21.v.1961, R. Takahashi leg., host: *Lepedeza* sp. (210100882); 1 slide, M. Sorin leg., host: *Desmodium racemosum*, same locality and date (210100885); 2 slides, Hyogo, Kobe, Mt. Rokko, 27.x.1956, M. Sorin leg., host: *Desmodium racemosum* (210100883, 210100884); Okayama, Taisha, 7.x.1976, M. Sorin leg., host: *Lepedeza* sp. (210100891).

370. *Megoura viciae* Buckton, 1876

[Denmark] NWI, Skive, 24.vi.1981, O. Heie leg., host: *Lathyrus pratensis* (210103791). **[England]** 16 slides, Lees, Imperial college, iii.1983, K. Kawada leg. (210100896—911).

371. *Megoura* sp.

[Japan] 2 slides, Mie, Shima, 29.iii.1979, M. Sorin leg.

(210100912, 210100913).

372. *Megourella tribulis* (Walker, 1849)

[Sweden] Dir. Boda, 20.vi.1973, V. F. E. leg., host: *Vicia cracca* (210100914).

373. *Metopeurum fuscoviride* Stroyan, 1950

[France] Joinville, Bois de Vincennes, 31.viii.1986, Remaudière leg., host: *Panacetum vulgare* (210104122).

374. *Metopolophium* (s. str.) *dirhodum* (Walker, 1849)

[Japan] Hokkaido, Kitami, 2.viii.1989, M. Sorin leg., host: Oat (*Avena sativa*) (210100915).

375. *Micromyzella anisopappi* Remaudière, 1985

[Burundi] 2 slides, Muyira, 28.xii.1983, A. Autrique leg., host: *Anisopappus africanus*, paratypes (210104123, 210104124).

376. *Micromyzella davalliae* Remaudière, 1985

[Burundi] Muyira, alt. 1350 m, 22.ii.1984, A. Autrique leg., host: *Davallia charophylloides*, paratypes (210104125); Muyira, alt. 1300 m, 13.ii.1985, A. Autrique leg., host: *Davallia charophylloides* (210104126).

377. *Micromyzella eliei* Remaudière, 1985

[Burundi] Kisozi, alt. 2100 m, 14.v.1984, A. Autrique leg., host: *Helichrysum odoratissimum*, paratypes (210104127).

378. *Micromyzella kathleenae* Remaudière, 1985

[Burundi] Kisozi, alt. 2100 m, 21.iii.1984, A. Autrique leg., host: *Asplenium aethiopicum*, paratypes (210104128).

379. *Micromyzella pterisoides* (Theobald, 1918)

[Burundi] Kisozi, 30.ix.1983, A. Autrique leg., host: *Drynarea* sp. (210104130); 1 slide, 1.ii.1984, host: *Asplenium* sp., same locality and collector (210104129).

380. *Micromyzella sophiae* Remaudière, 1985

[Burundi] Kisozi, alt. 2100 m, 26.i.1984, A. Autrique leg., host: Fern (Pteridophyta), paratypes (210104131).

381. *Micromyzodium nipponicum* (Moritsu, 1949)

[Japan] Miyagi, Kawatabi, 8.ix.1967, M. Miyazaki leg., host: *Digitaria adscenden* (210100917); Tokyo, viii.1960, R.

Takahashi leg., host: *Perilla frutescens crispa* (210100918); Mie, Ise, Naiku shrine, 30.ix.1972, M. Sorin leg., host: *Perilla* sp., root (210100916).

382. *Micromyzus diervillae* (Matsumura, 1918)

[Japan] Kanagawa, Hatano, 28.x.1969, Nakazawa leg. (210100920); Niigata, Shibata, Izimino, 21.iv.1992, K. Baba leg., host: *Weigela hortensis* (210100919); Osaka, Kobuka, 3.xi.1961, M. Sorin leg., host: *Deutzia* sp. (210100921).

383. *Muscaphis japonica* Sorin, 2011

[Japan] Nagano, Shinano, 25.vi.2008, S. Usuba leg., host: *Sorbus alnifolia*, holotype (210104324); 1 slide, paratypes, same collection data (210104325); 4 slides, Nagano, Shinano machi, 25.vi.2008, S. Usuba leg., host: *Sorbus alnifolia*, paratypes (210100922—25).

384. *Myzus* (s. str.) *boehmeriae* Takahashi, 1923

[Japan] Kanagawa, Hatano, 15.xi.1969, Nakazawa leg. (210100938); Mie, Seiwa mura, 22.v.1985, M. Sorin leg., host: *Boehmeria japonica* (210100937); 2 slides, Mie, Taki, Seiwa mura, 25.v.2002, M. Sorin leg., host: *Boehmeria longispica* (210100940, 210100941); Osaka, Amanosan, 12.xi.1961, M. Sorin leg., host: *Boehmeria japonica* (210100936); 2 slides, Osaka, Kawachinagano, 11.xi.1956, R. Takahashi leg., host: *Boehmeria spicata* (210100934, 210100935); Osaka, Kobuka, 23.x.1960, R. Takahashi leg., host: *Boehmeria japonica* (210100939).

385. *Myzus* (s. str.) *cerasi* (Fabricius, 1775)

[Japan] Osaka, Ikeda, 21.iv.1961, R. Takahashi leg., host: *Prunus mume* (210100942).

386. *Myzus* (s. str.) *fataunae* Shinji, 1924

[Japan] Hokkaido, Sapporo, Jozankei, 22.ix.1962, M. Sorin leg., host: *Pilea hamaoi* (210100944); 4 slides, Mie, Ise, Naiku shrine, Anataki, 30.viii.2003, M. Sorin leg., host: *Pilea japonica* (210100949—52); Mie, Taki, 14.viii.1962, M. Sorin leg., host: *Elatostemma involucreatum* (210100947); Osaka, Kawachinagano, 20.x.1958, M. Sorin leg., host: *Pilea hamaoi* (210100948); 2 slides, Kagawa, Kotohira, 20.x.1964, M. Sorin leg., host: *Pilea japonica* (210100945, 210100946).

387. *Myzus* (s. str.) *hemerocallis* Takahashi, 1921

[Japan] 3 slides, Nara, Nara shi, 24.iii.2009, Y. Kimura leg., host: *Hemerocallis* sp. (210100959—61); 3 slides, Nara, Tomio, 8.v.2002, Y. Kimura leg., host: *Hemerocallis* sp. (210100953—55); 3 slides, 17.vi.2002, same locality, collector and host (210100956—58).

388. *Myzus* (s. str.) *inuzakurae* Shinji, 1930

[Japan] Gunma, Maebashi, Koaigi, 8.v.2010, I. Kogure leg., host: *Prunus buergeriana* (210104338); 1 slide, 19.v.2010, same locality, collector and host (210100962); Saitama, Otaniba, 20.iv.2007, S. Usuba leg., host: *Prunus buergeriana* (210104339); Saitama, Oyaba, 20.iv.2007, S. Usuba leg., host: *Prunus buergeriana* (210104340); Tokyo, Ueno-park, 10.v.2006, S. Usuda leg., host: *Prunus buergeriana* (210100963).

389. *Myzus* (s. str.) *mumecola* (Matsumura, 1917)

[Japan] Nagano, 5.vi.1960, M. Inouye leg., host: *Prunus mume* (210100967).

390. *Myzus* (s. str.) *mushaensis* Takahashi, 1931

[Japan] Ishikawa, Tsurugi, 16.iv.2003, I. Togashi leg., host: *Prunus donarium spontanea* (210100978); Mie, Hakusan cho, 16.v.1987, M. Sorin leg., host: Cherry (*Prunus* sp.) (210100968); Mie, Iitaka cho, Oda, 7.xi.1980, M. Sorin leg. (210100977); Mie, Ise, 18.vi.1971, M. Sorin leg., host: *Isodon japonicus* (210100973); Mie, Ise, Naiku shrine, 18.v.1972, M. Sorin leg., host: *Isodon japonicus* (210100974); 2 slides, Mie, Ise, Sakuragaoka, 21.v.1969, M. Sorin leg., host: Cherry (*Prunus* sp.) (210100975, 210100976); Osaka, Kuroyama, 27.v.1966, M. Sorin leg., host: Cherry (*Prunus* sp.) (210100972); Osaka, Mt. Ikoma, 1.vi.1962, M. Sorin leg., host: Cherry (*Prunus* sp.) (210100970); Osaka, Mt. Iwawaki, 20.v.1962, R. Takahashi leg., host: Cherry (*Prunus* sp.) (210100971); Wakayama, 23.v.1954, R. Takahashi leg., host: Cherry (*Prunus* sp.) (210100969).

391. *Myzus* (s. str.) *ornatus* Laing, 1932

[England] 2 slides, London, ii.1959, C. A. Prezost leg., host: *Impatiens* sp. (210100979, 210100980).

392. *Myzus* (s. str.) *philadelphii* Takahashi, 1965

[Japan] Osaka, 13.v.1976, Y. Kimura leg., host: *Philadelphus* sp. (210101024); 2 slides, Osaka, Chihaya, 30.iv.1961, M. Sorin leg., host: *Philadelphus satsumi* (210101022, 210101023); 1

slide, host: *Deutzia* sp., same locality, date and collector (210101026); Osaka, Yao, 26.iv.1974, Y. Kimura leg., host: *Philadelphus* sp. (210101027); Nara, 10.v.1959, R. Takahashi leg., host: *Philadelphus* sp. (210101025).

393. *Myzus* (s. str.) *pileae* Takahashi, 1965

[Japan] Mie, Ise, Naiku shrine, 25.vii.1970, M. Sorin leg., host: *Pilea* sp. (210101029); Osaka, 13.x.1958, M. Sorin leg., host: *Pilea hamaoi* (210101028).

394. *Myzus* (s. str.) *siegesbeckiae* Takahashi, 1965

[Japan] Iwate, Morioka, 27.vi.1975, Y. Ono leg., host: *Prunus itosakura* (210101052); Kanagawa, Hatano, 10.vi.1967, M. Sorin leg., host: Cherry (*Prunus* sp.) (210101039); 2 slides, 14.vi.1967, Nakazawa leg. (210101037, 210101038), 1 slide, 22.v.1968, Nakazawa leg. (210101043), 1 slide, 31.vii.1980, M. Sorin leg. (210101054), same locality; 3 slides, Ishikawa, Tsurugi, 3.v.1974, I. Togashi leg., host: Cherry (*Prunus* sp.) (210101059—61); 2 slides, 20.iv.2003, host: *Prunus donarium spontanea*, same locality and collector (210101067, 210101068); Mie, Ichishi, Hakusan cho, 25.v.1981, M. Sorin leg., host: Cherry (*Prunus* sp.) (210101055); Mie, Iinan, Arataki, 5.vi.2002, M. Sorin leg., host: *Isodon japonicus* (210101062); Mie, Iitaka cho, Oda, 26.viii.1976, M. Sorin leg., host: *Isodon japonicus* (210101053); Mie, Ise, 30.vi.1971, M. Sorin leg., host: *Isodon japonicus* (210101044); 1 slide, 5.vi.1972, host: *Isodon japonicus* (210101046), 1 slide, 9.viii.1972, M. Sorin leg., host: Cherry (*Prunus* sp.) (210101047), 1 slide, 7.x.1974, host: Cherry (*Prunus* sp.) (210101049), 1 slide, 10.ix.1974, host: Cherry (*Prunus* sp.) (210101050), 1 slide, 25.v.1983, host: *Prunus sallicina* (210101056), same locality and collector; Mie, Ise, Kagamiwa, 6.viii.1972, M. Sorin leg., host: *Clinopodium mulcicula* (210101042); Mie, Ise, Kuratayama, 30.viii.1972, M. Sorin leg., host: Cherry (*Prunus* sp.) (210101048); 1 slide, 3.vi.1983, same locality, collector and host (210101057); Mie, Ise, Maeyama, 12.v.1974, M. Sorin leg., host: *Deutzia* sp. (210101051); Mie, Ise, Naiku shrine, 23.v.1972, M. Sorin leg., host: *Isodon effusus* (210101045); Mie, Osugidani, 25.vii.1987, M. Sorin leg., host: *Isodon japonicus* (210101058); Shiga, Otsu, 18.vii.1968, M. Sorin leg., host: Cherry (*Prunus* sp.) (210101040); 2 slides, Osaka, Kawachinagano, 3.v.1957, M. Sorin leg., host: Cherry (*Prunus* sp.) (210101030, 210101031); Osaka, Mt. Ikoma, 1.vi.1962, M. Sorin leg., host: *Stellaria* sp. (210101035); Osaka, Mt. Shigi, 5.v.1964, M. Sorin leg., host:

Cherry (*Prunus* sp.) (210101036); Hyogo, Kobe, Motomachi, 6.vi.1971, E. Shinohara leg., host: *Prunus* sp. (210101041); 2 slides, Hyogo, Kobe, Mt. Maya, 21.viii.1958, M. Sorin leg., host: *Prunus* cf. *serrulata* (210101032, 210101033); 4 slides, Fukuoka, Sinokuri cho, 11.vii.2004, J. Yukawa leg., host: *Prunus yedoensis* (210101063—66); Kagoshima, Kaya, 16.iv.1963, T. Tanaka leg., host: Cherry (*Prunus* sp.) (210101034).

395. *Myzus* (s. str.) *varians* Davidson, 1912

[Japan] Mie, Futami, 22.vii.1972, M. Sorin leg., host: *Prunus persica* (210101072); 2 slides, Osaka, Hirao, 6.vi.1958, M. Sorin leg., host: *Prunus persica* (210101073, 210101075); Osaka, Kawachinagano, Yokoyama, 16.vi.1957, M. Sorin leg., host: *Clematis* sp. (210101071); Nara, Kashihara, 23.xi.1986, M. Sorin leg., host: *Prunus persica* (210101074). **[France]** Val de Marne, La Varenne, 13.vii.1985, Remaudière leg., host: *Clematis* sp. (210104137).

396. *Myzus* (*Galiobium*) *langei* (Börner, 1933)

[Sweden] Bejerskann, Öland, 5.vi.1973, V. F. E. leg. (210100966). **[France]** Hérault, Saint Andre de Bueges, 17.v.1985, Remaudière leg., host: *Galium* sp. (210104135).

397. *Myzus* (*Nectarosiphon*) *ascalonicus* Doncaster, 1946

[England] 4 slides, London, ii.1957, J. P. Doncaster leg., host: Onion (*Allium* sp.) (210100926—29).

398. *Myzus* (*Nectarosiphon*) *asteriae* Shinji, 1941

[Japan] Nagano, Hara mura, 8.viii.1986, M. Sorin leg., host: *Aster* sp. (210100932); Mie, Ise, 1.v.1966, M. Sorin leg. (210100931); Mie, Kamishima Is., 2.vii.1972, M. Sorin leg., host: *Aster* sp. (210100933); Osaka, Chihaya, 17.v.1959, M. Sorin leg., host: *Aster* sp. (210100930).

399. *Myzus* (*Nectarosiphon*) *lactucicola* Takahashi, 1934

[Japan] Shizuoka, Izukogen, 9.vi.1986, M. Sorin leg., host: *Lactuca* sp. (210100965); Kagoshima, Amami Oshima Is., Naze, 11.iv.1960, R. Takahashi leg., host: Compositae gen. sp. (210100964).

400. *Myzus* (*Nectarosiphon*) *persicae* (Sulzer, 1776)

[Japan] Kanagawa, Hatano, 14.vii.1969, Nakazawa leg. (210101014); Niigata, 8.vi.1956, K. Shibata leg., host: Potato

- (*Solanum tuberosum*) (210100987); Shiga, Aburahi, 4.ii.1986, K. Oba leg., host: Cabbage (*Brassica oleracea* var. *capitata*) (210101019); Osaka, 16.v.1954, R. Takahashi leg., host: *Capsella bursa-pastoris* (210100981); 1 slide, 5.xii.1955, M. Sorin leg., host: *Prunus persica* (210100982), 1 slide, xi.1956, R. Takahashi leg., host: *Prunus persica* (210100988), 1 slide, 4.i.1956, M. Sorin leg., host: *Brassica campestris* (210100983), 1 slide, 26.iv.1956, M. Sorin leg., host: *Prunus persica* (210100985), 1 slide, 29.xii.1956, M. Sorin leg., host: *Spinacia oleracea* (210100989), 1 slide, 24.x.1957, M. Sorin leg., host: *Prunus persica* (210100997), 1 slide, 4.i.1957, M. Sorin leg., host: *Brassica campestris* (210100984), 1 slide, 15.i.1957, M. Sorin leg., host: *Arctium lappa* (210100990), 4 slides, 20.ii.1957, M. Sorin leg. (210100991—94), 1 slide, 20.ii.1957, M. Sorin leg., host: *Brassica oleracea* (210101002), 1 slide, 9.iv.1957, M. Sorin leg., host: *Prunus persica* (210100995), 1 slide, 30.iv.1957, M. Sorin leg., host: *Prunus persica* (210100996), 1 slide, 24.x.1957, M. Sorin leg., host: *Prunus persica* (210100997), 1 slide, 10.xi.1957, M. Sorin leg., host: *Prunus persica* (210100999), 1 slide, 20.xi.1957, M. Sorin leg., host: *Brassica oleracea* (210101000), 1 slide, 20.xii.1957, M. Sorin leg., host: *Brassica oleracea* (210101001), 1 slide, 15.ii.1959, M. Sorin leg., host: *Petasites japonicus* (210101004), 2 slides, 25.iv.1962, M. Sorin leg., host: *Hordeum sativum hexastichum* (210101006, 210101007), same locality; Osaka, Hirao, 11.ii.1962, M. Sorin leg., host: *Oenanthe stolonifera* (210101005); Osaka, Kuroyama, 31.iv.1956, R. Takahashi leg., host: Pear (*Pyrus* sp.) (210100986); 1 slide, 27.i.1959, M. Sorin leg., host: *Brassica* sp., same locality (210101003); Hyogo, Takarazuka, 25.xi.1991, H. Imura leg., host: Cherry (*Prunus* sp.) (210101020); 2 slides, Wakayama, 2.v.1965, M. Sorin leg., host: *Stellaria media* (210101009, 210101010); 1 slide, 7.iv.1965, host: *Galium spurium*, same locality and collector (210101008); 2 slides, Kagawa, Zentsuji, 5.x.1976, T. Yamamoto leg., host: Broccoli (*Brassica oleracea* var. *italica*) (210101016, 210101017); Kagoshima, 26.vii.1995, D. Yamaguchi leg. (210101021); Kagoshima, Tanegashima Is., 5.xii.1972, Y. Otsu leg. (210101015); Okinawa, 14.iv.1967, host: Tobacco (*Nicotiana tabacum*) (210101013); Okinawa, Naha, Shuri, 3.iv.1967, K. Iha leg., host: *Brassica cernua* (210101012); Okinawa, Tamagusuku, Tamashiro, 9.ii.1966, K. Iha leg., host: Papaya (*Carica papaya*) (210101011). **[Philippine]** San Rafael, 13.ii.1980 (210101018).
401. *Myzus (Nectarosiphon) stellariae* (Strand, 1929) **[Japan]** 2 slides, Wakayama, 2.v.1965, M. Sorin leg., host: *Stellaria media* (210101069, 210101070).
402. *Myzus (Sciamyzus) cymbalariae* Stroyan, 1954 **[England]** Surrey Wisley, Rock garden, 17.v.1961, J. P. Doncaster leg., host: *Cymbalaria* sp. (210100943).
403. *Myzus* sp. **[Burundi]** Maizieres, Imbo, 28.viii.1983, G. R. & A. A. leg., host: *Ludwigi abyssinica* (210104136).
404. *Nasonovia (s. str.) compositellae nigra* (Hille Ris Lambers, 1931) **[France]** Herault, S. Cirque de Moureze 1 km, 16.v.1985, Remaudière leg., host: *Hieracium* sp. (210104139); S. Moureze 1 km, 16.v.1985, Remaudière leg., host: *Hieracium* sp. (210104138).
405. *Nasonovia (s. str.) ribisnigri* (Mosley, 1841) **[Spain]** Leon, Suarbol, 28.vi.1986, Remaud. & Nieto leg., host: *Hieracium pilosella* (210104140).
406. *Nasonovia (Capitosiphon) crenicornia* (Smith & Knowlton, 1939) **[USA]** Utah, Camp Ground Rich, Sunrise, 14.vii.1977, G. F. Knowlton leg., host: Wild geranium (*Geranium* sp.) (210101076).
407. *Nasonovia (Eokakimia) wahinkae* (Hottes, 1933) **[USA]** Utah, Logan Canyon, 4.ix.1976, GFK leg., host: *Delphinium occidentale* (210103793).
408. *Nasonovia (Kakimia) saxifragae* (Doncaster & Stroyan, 1952) **[Spain]** Leon, Leitariegos, Puerto, alt. 1500 m, 29.vi.1986, Remaud. & Nieto leg., host: *Saxifraga conrimentalis* (210104142).
409. *Nearctaphis bakeri* (Cowen, 1895) **[Japan]** Nagano, Hara mura, 7.viii.1986, M. Sorin leg., host: *Trifolium pratense* (210101077); Gifu, Sugo kogen, 5.viii.1987, M. Sorin leg., host: *Trifolium pratense* (210101078). **[France]** Alpes Maritimes, Ailefroide, 23.viii.1966, host: *Trifolium* sp. (210101079). **[Spain]** Leon, Leitariegos, Puerto, alt. 1300 m,

29.vi.1986, Remaud. & Nieto leg., host: *Trifolium* sp. (210104141).

410. *Nearctaphis kachena* (Hottes, 1934)

[USA] Utah, Cowley Canyon, 23.viii.1978, GFK leg., host: *Castilleia* sp. (210103794).

411. *Neotoxoptera abeliae* Takahashi, 1965

[Japan] Niigata, Murakami, Senami, 11.v.1992, K. Baba leg., host: *Weigela coraeensis* (210101080).

412. *Neotoxoptera formosana* (Takahashi, 1921)

[Japan] Mie, Ise, Kuratayama, 16.v.1982, M. Sorin leg. (210101082); Osaka, 15.vii.1958, M. Sorin leg., host: *Allium* sp. (210101081).

413. *Neotoxoptera geranii* (Chowdhuri, Basu, Chakrabarti & Raychaudhuri, 1969)

[Pakistan] ii.1989, Naumann leg., host: *Geranium* sp. (210101083); Audh, 2.vii.1987, Naumann leg. (210101084).

414. *Neotoxoptera yasumatsui* Sorin, 1971

[Japan] Kanagawa, Hatano, 5.xi.1969, Nakazawa leg. (210101089); Aichi, Adera, 18.viii.1969, M. Sorin leg., host: *Aster* sp., root (210101088); Mie, Ise, Kuratayama, 25.v.1972, M. Sorin leg., host: *Aster* sp., root, paratypes (210101086); 1 slide, 2.vi.1972, paratypes, same locality, collector and host (210101087); Mie, Ise, Naiku shrine, 15.x.1967, M. Sorin leg., host: *Aster* sp., root, syntypes (210101085); Mie, Ise, Tsurugi pass, 30.x.1973, M. Sorin leg., host: *Chrysanthemum morifolium spontaneum* (210101090); Mie, Suzuka, Ogisu, 12.viii.1981, M. Sorin leg., host: *Aster* sp., root (210101091).

415. *Neotoxoptera yasumatsui artemisiae* Sorin, 2001

[Japan] Mie, Ise, Kuratayama, 19.v.1973, M. Sorin leg., host: *Aster* sp., root (210101093); 1 slide, 18.vii.1993, host: *Artemisia vulgaris*, same locality and collector (210101092).

416. *Nippodysaphis deutziae* (Hille Ris Lambers, 1965)

[Japan] 2 slides, Osaka, Chihaya, 17.v.1959, M. Sorin leg., host: *Deutzia* sp. (210101094, 210101095).

417. *Ovatomyzus* (s. str.) *stachyos* Hille Ris Lambers, 1947

[France] Gironde, Landiras, 6.vii.1985, Remaudière leg., host:

Stachys olympica (210104143).

418. *Ovatus* (s. str.) *malicolens* (Hori, 1929)

[Japan] Aomori, Kuroishi, 7.xi.1984, K. Kawashima leg., host: *Malus pumila* (210101099); 2 slides, Akita, Oga, 27.vi.1983, H. Narita leg., host: Pear (*Pyrus* sp.) (210101096, 210101097); Akita, Hiraka cho, 5.vii.1983, H. Narita leg., host: *Malus pumila* (210101098).

419. *Ovatus* (s. str.) *malisuctus* (Matsumura, 1918)

[Japan] Hokkaido, Sapporo, 29.vii.1960, R. Takahashi leg., host: *Malus* sp. (210101104); Shizuoka, Okitsu, 1.iv.1987, S. Komazaki leg., host: *Chaenomeles lagenaria* (210101107); 2 slides, 23.iv.1987, host: *Chaenomeles lagenaria* (210101108, 210101109), 1 slide, 25.v.1987, host: *Malus pumila* (210101110), same locality and collector; Mie, Iitaka cho, Hachisu, 22.vii.1976, M. Sorin leg., host: *Malus* sp. (210101105); Mie, Ise, 14.v.1981, M. Sorin leg., host: *Malus pumila domestica* (210101106); 2 slides, Osaka, 27.vi.1955, M. Sorin leg., host: *Malus pumila domestica* (210101102, 210101103).

420. *Ovatus* (s. str.) *mentharius* (van der Goot, 1913)

[France] Hautes Alpes, Guillestre, 15.x.1985, Remaudière leg., host: *Mentha* sp. (210104145).

421. *Ovatus* (s. str.) *nipponicus* Takahashi, 1965

[Japan] Osaka, 3.xi.1957, M. Sorin leg., host: *Mentha japonica* (210101111); 2 slides, 20.xii.1958, same locality, collector and host (210101113, 210101114); Osaka, Kuroyama, 28.iv.1958, M. Sorin leg., host: *Mentha japonica* (210101115); Miyazaki, Miyakonojo, 19.iv.1962, T. Tanaka leg., host: *Mentha* sp. (210101112).

422. *Ovatus* (s. str.) sp.

[Japan] Ibaraki, Kukizaki, 2.vii.1983, M. Miyazaki leg., host: *Lycopus lucidus* (210101100); Ibaraki, Yatabe, NIAS, 31.x.1983, M. Miyazaki leg., host: *Lycopus lucidus* (210101101).

423. *Ovatus* (*Ovatoides*) *inulae* (Walker, 1849)

[Spain] Potes, 3.vii.1986, Remaud. & Nieto leg., host: *Inula* sp. (210104144).

424. *Paramyzus heraclei* Börner, 1933

[Japan] Osaka, Mt. Iwawaki, 29.v.1960, R. Takahashi leg.,

host: *Heracleum* sp. (210101116). **[France]** Manche, Saint Marcouf, 24.x.1973, Remaudière leg., host: *Heracleum sphondylium* (210104146); Seine et Marne, Fontaine le Port, 11.vii.1962, Remaudière leg., host: *Heracleum sphondylium* (210104147).

425. *Paramyzus heraclei similis* Takahashi, 1963

[Japan] Osaka, Kobuka, 22.v.1960, M. Sorin leg., host: *Heracleum* sp. (210101117).

426. *Paramyzus longirostris* Miyazaki, 1971

[Japan] Hokkaido, Sapporo, 27.vi.1968, M. Miyazaki leg., host: *Potentilla* sp. (210101118).

427. *Pentalonia nigronervosa* Coquerel, 1859

[Japan] Osaka, 2.x.1956, M. Sorin leg., host: Banana (*Musa* sp.) (210101119); Okinawa, Nago, 11.xi.1990, M. Sorin leg., host: *Musa paradisiaca sapientum* (210101122); Okinawa, Naha, 11.xi.1990, M. Sorin leg., host: *Alpinia speciosa* (210101121); Okinawa, Okinawa, viii.1958, K. Iha leg., host: *Alpinia speciosa* (210101120). **[Burundi]** Munanira, A. Autrique leg. (210104150).

428. *Phorodon* (s. str.) *humuli* (Schrank, 1801)

[France] Val de Marne, La Varenne, 15.v.1983, Remaudière leg., host: *Prunus* sp. (210104218); 1 slide, 21.iv.1983, host: *Prunus domestica* (210104219), 1 slide, 15.vi.1986, host: *Humulus lupulinus* (210104220), same locality and collector.

429. *Phorodon* (s. str.) *humuli japonensis* Takahashi, 1965

[Japan] 2 slide, Tokyo, 20.vii.1963, M. Sorin leg., host: *Humulus japonicus* (210101127, 210101128); Mie, Ise, Nakamura, 26.v.1981, M. Sorin leg., host: *Prunus mume* (210101131); Osaka, Izumi, 20.v.1958, M. Sorin leg., host: *Prunus mume* (210101126); Osaka, Mt. Kongo, 2.ix.1956, M. Sorin leg., host: *Humulus japonicus* (210101125); Osaka, Sakai, 6.xii.1980, K. Tanaka leg. (210101130); Kagoshima, Tashiro cho, 11.viii.1971, E. Shinohara leg., host: *Humulus scandens* (210101129).

430. *Phorodon* (*Paraphorodon*) *cannabis* Passerini, 1860

[Japan] Osaka, Kuroyama, 4.x.1960, M. Sorin leg., host: *Cannabis sativa* (210101123); 1 slide, 1.xi.1960, same locality, collector and host (210101124).

431. *Pleotrichophorus elongatus* (Knowlton, 1929)

[USA] Utah, Chester, 20.ix.1920, G. F. Knowlton leg., host: *Chrysothamnus parryi*, syntypes (210101132); Utah, North Cove Fort, 8.viii.1956, G. F. Knowlton leg., host: *Chrysothamnus sinense* (210101133).

432. *Pleotrichophorus glandulosus* (Kaltenbach, 1846)

[Japan] Tokyo, 27.x.1958, M. Sorin leg., host: *Artemisia* sp. (210101136); Mie, Ise, 1.vii.1966, M. Sorin leg., host: *Artemisia* sp. (210101139); Osaka, 12.i.1956, M. Sorin leg., host: *Chrysothamnus nauseosus* (210101134); 1 slide, 2.xi.1956, host: *Chrysothamnus sinense*, same locality and collector (210101135); Hyogo, Kobe, Arima, 18.x.1964, M. Sorin leg., host: *Artemisia* sp. (210101137); Hiroshima, 3.xii.1965, M. Sorin leg., host: *Artemisia* sp. (210101138). **[France]** Haute Savoie, Sallanches, 28.vii.1981, Remaudière leg., host: *Artemisia vulgaris* (210104222).

433. *Pleotrichophorus packi* (Knowlton, 1928)

[USA] Utah, Emery, 28.vii.1928, G. F. Knowlton leg., host: *Chrysothamnus parryi* (210101140).

434. *Pleotrichophorus remaudierei* Leclant, 1968

[France] Hautes Alpes 1450 m, La Salle, Villeucuve, 26.ix.1968, Remaudière leg., host: *Erigeronacer* sp. (210104221).

435. *Polytrichaphis fragilis* Miyazaki, 1971

[Japan] Fukuoka, Mt. Hikosan, 24.v.1965, M. Miyazaki leg., host: *Illicium snisatum* (210101141).

436. *Pseudaphis sijui* (Eastop, 1953)

[Burundi] Munanira, xi.1983, A. Autrique leg., host: *Pennisetum* sp. (210104223).

437. *Rhodobium porosum* (Sanderson, 1900)

[Japan] Osaka, 2.x.1958, R. Takahashi leg., host: Rose (*Rosa* sp.) (210101142); Hyogo, Fukuchiyama, 7.v.1967, M. Sorin leg., host: Rose (*Rosa* sp.) (210101143); Kagawa, Zentsuji, 2.x.1980, K. Yamamoto leg., host: Rose (*Rosa* sp.) (210101144).

438. *Rhopalosiphoninus celtifoliae* Shinji, 1924

[Japan] Osaka, Kobuka, 19.v.1961, M. Sorin leg., host: *Hydrangea paniculata* (210101146); Osaka, Yokoyama mura, 3.v.1957, M. Sorin leg., host: *Diervilla middendorffoana*

(210101145).

439. *Rhopalosiphoninus deutizifoliae* Shinji, 1924

[Japan] 3 slides, Ishikawa, Tsurugi, 5.v.2001, I. Togashi leg., host: *Deutzia crenata* (210101153—55); Mie, Ise, Geku shrine, 1.v.1986, M. Sorin leg., host: *Deutzia* sp. (210101152); Mie, Ise, near Naiku shrine, 13.iv.1969, M. Sorin leg., host: *Deutzia* sp. (210101147); Mie, Ise, Naiku shrine, 23.iv.1969, M. Sorin leg., host: *Deutzia* sp. (210101150); Osaka, Chihaya, 22.v.1960, M. Sorin leg., host: *Deutzia* sp. (210101148); 1 slide, host: *Deutzia crenata*, same locality, date and collector (210101149); Kochi, 16.xii.1975, M. Sorin leg., host: *Ficus carica* (210101151).

440. *Rhopalosiphoninus hydrangeae* (Matsumura, 1918)

[Japan] Hokkaido, near Shikotsuko, 23.ix.1962, M. Sorin leg., host: *Hydrangea paniculata* (210101156).

441. *Rhopalosiphoninus tiliae* (Matsumura, 1918)

[Japan] Ishikawa, Mt. Hakusan, 14.vi.1996, I. Togashi leg., host: *Tilia japonica* (210101157); 1 slide, 5.vi.2001, same locality, collector and host (210101158). **[USA]** Utah, Logan, 15.v.1986, G. F. Knowlton leg., host: *Lonicera involucrata* (210101159).

442. *Roepkea marchali* (Börner, 1931)

[France] Daluis Gorges, 17.viii.1962, B. A. Cayole leg., host: *Prunus mahaleb* (210101160). **[Spain]** Leon, Valporquero, alt. 1300 m, 30.vi.1986, Remaud. & Nieto leg., host: *Prunus mahaleb* (210104224).

443. *Sappaphis piri* Matsumura, 1918

[Japan] Tochigi, Utsunomiya, Miyukigahara, 17.xi.1966, T. Tanaka leg., host: *Pyrus serotina* (210101174); 2 slides, Tokyo, 27.vi.1958, A. Watase leg., host: *Artemisia* sp. (210101162, 210101163); 1 slide, 22.vii.1958, R. Takahashi leg., same locality and host (210101164); Kanagawa, Hatano, 6.vi.1968, Nakazawa leg. (210101175); 1 slide, 16.vi.1969 (210101176), 1 slide, 31.x.1969 (210101177), 7 slides, 15.xi.1969 (210101178—84), 1 slide, 2.xii.1969 (210101185), same locality and collector; Niigata, 10.v.1956, K. Shibata leg., host: *Pyrus* sp. (210101161); 5 slides, Ishikawa, Nonoichi, 23.v.1991, I. Togashi leg., host: *Pyrus* sp. (210101190—94); 1 slide, host: *Pyrus serotina*, same locality, date and collector (210101195); Nagano, Shimoina, 11.v.1959, T. Miyashita leg. (210101165); 2 slides, Mie, Ichishi,

Misugi, 2.xi.1965, Z. Yamashita leg. (210101171, 210101172); Mie, Ise, 16.vi.1966, M. Sorin leg., host: *Artemisia* sp., root (210101173); 2 slides, Mie, Ise, Kuratayama, 22.v.1987, M. Sorin leg., host: *Artemisia* sp., root (210101188, 210101189); Mie, Osugidani, 29.vii.1982, M. Sorin leg., host: *Artemisia* sp., root (210101187); Mie, Suzuka, 7.vii.1979, M. Sorin leg., host: *Artemisia* sp., root (210101186); 2 slides, Osaka, Hirao, 2.vii.1960, M. Sorin leg., host: *Artemisia* sp., root (210101166, 210101167); 3 slides, 5.vii.1960, same locality, collector and host (210101168—70).

444. *Sappaphis ranunculi* Miyazaki, 1971

[Japan] Osaka, 3.vii.1960, R. Takahashi leg., host: *Ranunculus acris* (210101198); Osaka, Hirao, 20.xii.1959, M. Sorin leg., host: *Rhamnus dahurica* (210101202); 1 slide, 2.xi.1960, R. Takahashi leg., host: *Pourthiaea villosa* (210101197), 2 slides, 2.xi.1960, M. Sorin leg., host: *Pourthiaea villosa* (210101199, 210101200), 1 slide, 3.vii.1960, M. Sorin leg., host: *Ranunculus japonicus* (210101201), 1 slide, 11.xi.1960, M. Sorin leg., host: *Ranunculus acris* (210101196), same locality.

445. *Sappaphis viburnicola* Sorin, 1983

[Japan] Niigata, Murakami, Senami, 14.x.1992, K. Baba leg., host: *Viburnum sieboldii obovatifolium* (210101206); Mie, Ise, 30.iv.1968, M. Sorin leg., host: *Viburnum sieboldii*, syntypes (210101204); 1 slide, 10.v.1981, host: *Plantago asiatica*, root (210101205), 1 slide, 30.iv.1968, host: *Viburnum sieboldii*, syntypes (210101204), same locality.

446. *Semiaphis dauci* (Fabricius, 1775)

[France] Gironde, Martignas, 25.vi.1986, Remaudière leg., host: *Daucus* sp. (210104235).

447. *Semiaphis heraclei* (Takahashi, 1921)

[Japan] Hokkaido, Yubari, Kuriyama, 10.iv.1983, S. Chiba leg., host: *Lonicera caerulea emphyllolocyx* (210101214); Kanagawa, Hatano, 8.xi.1969, Nakazawa leg. (210101211); Mie, Iitaka cho, Hachisu, 26.vii.1959, M. Sorin leg., host: *Umbelliferae* sp. (210101208); 3 slides, Mie, Taki, Sana, 4.viii.1965, M. Sorin leg., host: *Cryptotaenia canadensis* (210101210, 210101212, 210101213); Osaka, 28.viii.1958, M. Sorin leg., host: *Cryptotaenia japonica* (210101207); Nara, Mt. Yoshino, 9.vii.1961, M. Sorin leg., host: *Aralia* sp. (210101209).

448. *Semiaphis moiwaensis* Takahashi, 1965
[Japan] Hokkaido, Sapporo, Mt. Moiwa, 30.vii.1960, R. Takahashi leg., host: *Impatiens noli-tangere* (210101215).
449. *Shinjia orientalis* (Mordvilko, 1929)
[Japan] Mie, Ise, Kuratayama, 24.iv.1986, M. Sorin leg., host: *Viburnum dilatatum* (210101223); Mie, Ise, near Naiku shrine, 13.iv.1969, M. Sorin leg., host: *Viburnum dilatatum* (210101222); 2 slides, Osaka, 6.v.1961, M. Sorin leg., host: *Viburnum dilatatum* (210101220, 210101221); Osaka, Hirao, 3.xi.1960, M. Sorin leg., host: *Viburnum dilatatum* (210101216); 1 slide, 9.iv.1961 (210101217), 2 slides, 23.iv.1961 (210101218, 210101219), same locality, collector and host.
450. *Sinomegoura citricola* (van der Goot, 1917)
[Japan] 2 slides, Mie, Ise, Maedafuruichi, 21.iv.1972, E. Shinohara leg., host: *Cinnamomum camphora* (210101225, 210101226); Mie, Taki, Oka, 10.xi.1980, M. Sakabe leg., host: *Trachycarpus* sp. (210101227); Osaka, Kuroyama, 11.xi.1957, M. Sorin leg., host: *Cinnamomum camphora* (210101224).
451. *Sinomegoura photiniae* (Takahashi, 1936)
[Japan] Gifu, Kinkazan, 20.vii.1968, M. Sorin leg., host: *Photinia* sp. (210101229); Mie, Ise, Naiku shrine, 17.vi.1976, M. Sorin leg., host: *Photinia globra* (210101230); Osaka, 16.xi.1958, M. Sorin leg., host: *Photinia globra* (210101228).
452. *Sitobion* (s. str.) *africanum* (Hille Ris Lambers, 1954)
[Burundi] Kisozi, 5.vi.1983, A. Autrique leg., host: *Ekothecca abyssinica* (210104239).
453. *Sitobion* (s. str.) *akebiae* (Shinji, 1935)
[Japan] Gifu, Gero, 6.v.1962, M. Sorin leg., host: *Aralia* sp. (210101235); Gifu, Ibigawa, 11.ix.1969, Takahashi leg., host: *Oryza sativa* (210101245); Mie, Fujiwara cho, 9.ix.1967, J. Kayumi leg., host: *Oryza sativa* (210101244); Mie, Ise, Geku shrine, 10.vi.2004, M. Sorin leg., host: Gramineae gen. sp. (210101253); 1 slide, host: *Juncus tenuis*, same locality, date and collector (210101254); 2 slides, Mie, Taki, 22.iv.1988, M. Sorin leg., host: *Akebia quinata* (210101250, 210101251); 2 slides, Shiga, Yasu, i.1963, K. Ando leg., host: *Oryza sativa* (210101239, 210101240); 2 slides, Osaka, 23.xi.1956, M. Sorin leg., host: *Akebia quinata* (210101232, 210101233); 1 slide, 25.ix.1956, M. Sorin leg., host: Raddish (*Brassica rapa*) (210101231), 1 slide, 13.xii.1956, M. Sorin leg., host: *Aralia* sp. (210101234), 1 slide, 9.xi.1962, Kuwabara leg., host: *Vicia faba* (210101236), 1 slide, 9.xi.1962, Kuwabara leg., host: *Rumex* sp. (210101237), same locality.; Osaka, Fujiidera, 12.xi.1962, M. Sorin leg., host: *Vicia faba* (210101238); 2 slides, Osaka, Hirao, 15.iv.1963, M. Sorin leg., host: *Aralia* sp. (210101241, 210101242); Okayama, Kurashiki, 25.i.1985, K. Kawada leg., host: *Hordeum vulgare* (210101252); Kagoshima, Tanegashima Is., 11.v.1973, Y. Otsu leg. (210101246); 1 slide, 26.x.1973, E. Manabe leg., host: Compositae gen. sp. (210101247), 1 slide, i.1974, E. Manabe leg. (210101248), 1 slide, i.1975, E. Manabe leg. (210101249), same locality; Okinawa, Tamagusuku, Tamashiro, 15.iv.1966, K. Iha leg., host: *Heterosmylax japonica* (210101243).
454. *Sitobion* (s. str.) *anselliae* (Hall, 1932)
[Burundi] 2 slides, Makamba, 7.xii.1983, A. Autrique leg., host: *Eulophia* sp. (210104240, 210104241).
455. *Sitobion* (s. str.) *autriquei* Remaudière, 1985
[Burundi] Bujumbura, 17.i.1984, A. Autrique leg., host: *Plectranthus albusbuerke* (210104243); Kisozi, vii.1981, A. Autrique leg., host: *Cresrocephala bumbese*, paratypes (210104242).
456. *Sitobion* (s. str.) *avenae* (Fabricius, 1775)
[Thailand] Doi Inthanon, Doi Pa-morn, 19.xi.1978, A. Lewvanich leg., host: Rice (*Oryza sativa*) (210101255).
457. *Sitobion* (s. str.) *burundense* Remaudière, 1985
[Burundi] 2 slides, Kisozi, vi.1982, A. Autrique leg., host: *Korschya africana*, paratypes (210104244, 210104245).
458. *Sitobion* (s. str.) *colei* (Eastop, 1959)
[Burundi] Maizieres, Imbo, alt. 300 m, 4.ix.1983, GR & AA leg., host: *Ocimum basibicum* (210104246).
459. *Sitobion* (s. str.) *congolense* (Doncaster & Hille Ris Lambers, 1956)
[Burundi] Bujumbura, 23.viii.1983, Leonidas leg., host: *Harungana madagascariensis* (210104247). **[Japan]** 2 slides, Niigata, Murakami, 29.vii.1992, M. Sorin leg., host: *Cornus kousa* (210101256, 210101257)

460. *Sitobion* (s. str.) *eulophiae* Remaudière, 1985
[Burundi] Kisozi, x.1983, A. Autrique leg., host: *Eulophis horfallii*, paratypes (210104248).
461. *Sitobion* (s. str.) *fragariae* (Walker, 1848)
[France] Haute Savoie, Passy, La Combe, 24.x.1998, Remaudière leg., host: *Rosa alpina* (210104249); Hérault, Salasc, 15.v.1985, Remaudière leg., host: *Rubus* sp. (210104250).
462. *Sitobion* (s. str.) *graminis* Takahashi, 1950
[Burundi] viii.1981, Autrique leg., host: *Exorhoca abyssinica* (210104251).
463. *Sitobion* (s. str.) *halli* (Eastop, 1959)
[Burundi] 2 slides, Bujumbura, 25.xi.1983, A. Autrique leg., host: *Ficus vallis chardae* (210104252, 210104255).
464. *Sitobion* (s. str.) *hirsutirostris* (Eastop, 1959)
[Burundi] Bujumbura, 29.viii.1983, Remaudière leg., host: *Anisopappus africanus* (210104254); Kisozi, v.1983, A. Autrique leg., host: *Anisopappus africanus* (210104253).
465. *Sitobion* (s. str.) *ibarae* (Matsumura, 1917)
[Japan] Hokkaido, Sapporo, Jozankei, 22.ix.1962, M. Sorin leg., host: *Rosa* sp. (210101259); 2 slides, Ishikawa, Tsurugi, 5.vi.1983, I. Togashi leg., host: *Rose* (*Rosa* sp.) (210101266, 210101267); Mie, Ise, 19.vi.1966, M. Sorin leg., host: *Rice* (*Oryza sativa*) (210101261); Mie, Ise, Geku shrine, 23.iv.1972, M. Sorin leg., host: *Rosa mulliflora* (210101263); Mie, Ise, Kamiji, 21.xi.2002, M. Sorin leg., host: *Carex* sp. (210101268); Mie, Ueno, 5.v.1975, T. Okawa leg. (210101264); Osaka, 28.x.1955, M. Sorin leg., host: *Rose* (*Rosa* sp.) (210101258); Wakayama, 2.v.1965, M. Sorin leg., host: *Rosa mulliflora* (210101260); Wakayama, river side of Kinokawa, 29.iv.1971, E. Shinohara leg., host: *Rosa mulliflora* (210101262); Ehime, Hojo, 17.v.1981, M. Shiba leg., host: *Rosa* sp. (210101265).
466. *Sitobion* (s. str.) *isodonis* Sorin, 1979
[Japan] Mie, Ise, 25.vii.1970, M. Sorin leg., host: *Isodon japonicus*, syntypes (210101269); 1 slide, 24.vii.1972, same locality, collector and host (210101270).
467. *Sitobion* (s. str.) *kamtshaticum* (Mordvilko, 1919)
[Japan] Osaka, 17.ii.1957, M. Sorin leg., host: *Rubus* sp. (210101271).
468. *Sitobion* (s. str.) *leonidasi* Remaudière, 1985
[Burundi] 2 slides, Kisozi, 25.viii.1983, G. R. & A. A. leg., host: *Bersama ugandensis*, paratypes (210104256, 210104257).
469. *Sitobion* (s. str.) *matatum* (Eastop, 1959)
[Burundi] Kisozi, 26.viii.1983, G. R. & A. A. leg., host: *Rhyuchelytum repens* (210104258).
470. *Sitobion* (s. str.) *milii* Remaudière, 1985
[Burundi] Muyange, alt. 1300 m, 30.viii.1982, CR & A. A. leg., host: *Euphorbia milii*, paratypes (210104259).
471. *Sitobion* (s. str.) *nigrinectarium* (Theobald, 1915)
[Burundi] 2 slides, Kigufi, 12.ix.1983, Leonidas leg., host: *Cajanus cajan* (210104260, 210104261).
472. *Sitobion* (s. str.) *pauliani* Remaudière, 1957
[Burundi] Rwigura, 1985, A. Autrique leg. (210104263).
[Brazil] Sao Paulo, Campinas, iv.1969, Meuzes leg., host: *Panicum maximum* or *Peuuisetum nurpleureum* (210104262).
473. *Sitobion* (s. str.) *smilacifoliae* (Takahashi, 1921)
[Japan] Niigata, Nagaoka, Mottate, 22.xi.1991, K. Baba leg., host: *Smilax china* (210101273); Okinawa, Tamagusuku, Tamashiro, 15.iv.1966, K. Iha leg., host: *Heterosmylax japonica* (210101272).
474. *Sitobion* (s. str.) *thalictri* Remaudière, 1985
[Burundi] Bujumbura, 16.i.1984, A. Autrique leg., host: *Thalictrum rhynchocarpum*, paratypes (210104266); Kisozi, vi.1981, Autrique leg., host: *Triumfetta rhoboidea*, paratypes (210104265); Makamba, 7.xi.1983, A. Autrique leg., host: *Thalictrum rhynchocarpum*, paratypes (210104264).
475. *Sitobion* (s. str.) *triumfettae* Remaudière, 1985
[Burundi] Kisozi, ix—x.1982, Autrique leg., host: *Triumfetta rhoboidea*, paratypes (210104267).
476. *Sitobion* (s. str.) *yakini* (Eastop, 1959)
[Burundi] Kisozi, viii.1981, Autrique leg., host: *Elwisiwca indica* (210104268).

477. *Staticobium loochoense* (Takahashi, 1939)

[Japan] Ehime, Matsuyama, 5.vi.1981, S. Kubota leg., host: *Limonium tetragonum* (210101274).

478. *Staticobium* sp.

[Japan] Gironde, Claouey, 8.vii.1985, Remaudière leg., host: *Limonium* sp. (210104270); 1 slide, 17.vii.1986, same locality, collector and host (210104271).

479. *Taiwanomyzus babai* Sorin & Arakawa, 2005

[Japan] Niigata, Iwafune, Asahi mura, Takane, 24.vi.1992, K. Baba leg., host: *Osumunda japonica*, paratypes (210101276).

480. *Taiwanomyzus montanus* (Takahashi, 1925)

[Japan] Osaka, Mt. Kongo, 1.vi.1958, M. Sorin leg., host: *Astilbe* sp. (210101275).

481. *Titanosiphon neoartemisiae* (Takahashi, 1921)

[Japan] Mie, Ise, Miyagawa, 13.vii.1971, E. Shinohara leg., host: *Artemisia capillaris* (210101278); Mie, Ise, River side of Miyagawa, 4.iv.1971, E. Shinohara leg., host: *Artemisia capillaris* (210101277).

482. *Trichosiphonaphis* (s. str.) *lonicerae* (Uye, 1923)

[Japan] Hokkaido, Sapporo, 24.ix.1962, M. Sorin leg., host: *Lonicera chrysantha* (210101293); Kanagawa, Hatano, 22.v.1968, Nakazawa leg. (210101294); 1 slide, 27.v.1968, same locality and collector (210101288); Ishikawa, Mt. Shiritaka, 3.ix.1983, I. Togashi leg., host: *Lonicera japonica* (210101286); Gifu, xi.1968, Takeda leg., host: Apple (*Malus pumila*) (210101289); Osaka, 17.v.1954, R. Takahashi leg., host: *Ronicera* sp. (210101290); Osaka, Hirao, 5.iv.1960, M. Sorin leg., host: *Lonicera japonica* (210101292); Osaka, Mt. Iwawaki, 20.v.1962, M. Sorin leg., host: *Lonicera japonica* (210101291); 2 slides, Osaka, near Kawachinagano, 29.v.1960, M. Sorin leg., host: *Polygonum thunbergii typicum* (210101284, 210101285); Kagoshima, Tanegashima Is., 5.xii.1972, Y. Otsu leg. (210101287).

483. *Trichosiphonaphis* (s. str.) *polygoniformosana* (Takahashi, 1921)

[Japan] Chiba, Sonou, 25.vi.1971, M. Kono leg. (210101314); Osaka, 1.xii.1956, M. Sorin leg., host: *Lonicera japonica* (210101315); Osaka, Amanosan, 12.xi.1961, M. Sorin leg., host:

Polygonum thunbergii (210101316).

484. *Trichosiphonaphis* (*Xenomyzus*) *alpestris* (Hille Ris Lambers, 1969)

[France] 2 slides, Hautes Alpes, La Salle, Villeucuve, 20.viii.—2.ix.1966, Remaudière leg., host: *Lonicera xylosreum*, paratypes (210104285, 210104286).

485. *Trichosiphonaphis* (*Xenomyzus*) *cornuta* Miyazaki, 1971

[Japan] Niigata, Murakami, 3.x.1991, K. Baba leg., host: *Polygonum senticosum* (210101283); 3 slides, Ishikawa, Kanazawa, 14.vii.1969, M. Sorin leg., host: *Polygonum thunbergii typicum* (210101280—82).

486. *Trichosiphonaphis* (*Xenomyzus*) *polygoni* (van der Goot, 1917)

[Japan] Kanagawa, Hatano, 15.viii.1969, Nakazawa leg. (210101298); 1 slide, 15.ix.1969 (210101297), 1 slide, 11.ix.1969 (210101299), same locality and collector; Mie, Ise, 7.x.1971, E. Shinohara leg., host: *Polygonum* sp. (210101295); Osaka, Mt. Iwawaki, 30.vii.1960, M. Sorin leg., host: *Polygonum longisetum* (210101296). **[Panama]** 3 slides, Rio Chiriqui, Volcan, 8.iv.1987, Remaudière leg., host: *Polygonum punctatum* (210104287—89).

487. *Trichosiphonaphis* (*Xenomyzus*) *polygonifoliae* (Shinji, 1944)

[Japan] Kanagawa, Hatano, 18.viii.1969, Nakazawa leg. (210101307); 1 slide, 3.ix.1969, same locality and collector (210101306); Kanagawa, Sagami-hara, 2.viii.1986, M. Sorin leg., host: *Polygonum blumei* (210101308); 2 slides, Osaka, Hirao, 13.viii.1959, M. Sorin leg., host: *Polygonum* sp. (210101300, 210101301); 3 slides, 28.viii.1960, M. Sorin leg., host: *Polygonum blumei* (210101302—04). **[France]** Toulouse, SRPI, 24.x.1991, S. Demeejter leg. (210104290). **[Unknown]** 24.x.1991, Remaudière leg. (210101305).

488. *Trichosiphonaphis* (*Xenomyzus*) *tade* (Shinji, 1927)

[Japan] Mie, Ise, Naiku shrine, 25.vii.1970, M. Sorin leg., host: *Polygonum thunbergii* (210101311); Mie, Taki, Oka, 17.ix.1989, M. Sorin leg., host: *Polygonum thunbergii* (210101310); Kyoto, Kibune, 6.viii.1980, M. Sorin leg., host: *Polygonum thunbergii* (210101309); Osaka, Amanosan, 12.xi.1961, M. Sorin leg., host: *Polygonum thunbergii* (210101312); Osaka, Mt. Kongo, 10.viii.1958, M. Sorin leg., host: *Polygonum thunbergii*

(210101313).

489. *Trichosiphonaphis* sp.

[Japan] Mie, Iitaka cho, Haze, 22.xi.1986, M. Sorin leg., host: *Trifolium* sp. (210101317).

490. *Tubaphis clematophila* (Takahashi, 1965)

[Japan] Mie, Ise, Mt. Shimaji, 13.xi.1968, M. Sorin leg., host: *Clematis* sp. (210101319); 1 slide, 13.viii.1976, same locality, collector and host (210101320); Osaka, Izumi, 20.v.1958, M. Sorin leg., host: *Clematis* sp. (210101318).

491. *Tubaphis ranunculina* (Walker, 1852)

[Japan] Osaka, Mt. Iwawaki, 29.v.1960, M. Sorin leg., host: *Ranunculus acris japonica* (210101321). **[France]** Manche, Saint Marcouf, 24.x.1973, Remaudière leg., host: *Ranunculus* sp. (210104282).

492. *Tuberocephalus artemisiae* Shinji, 1929

[Japan] Tokyo, 27.vii.1957, R. Takahashi leg., host: *Artemisia* sp. (210101322); 3 slides, Niigata, Niigata University, 3.vi.1992, K. Baba leg., host: *Prunus speciosa* (210101329—31); Mie, Ise, 20.x.1967, M. Sorin leg., host: *Artemisia* sp. (210101327); 1 slide, 3.xi.1967, same locality, collector and host (210101326); Mie, Ise, Kuratayama, 19.vi.1992, M. Sorin leg., host: *Artemisia* sp. (210101332); Mie, Kawakami, 30.vii.1967, M. Sorin leg., host: *Artemisia* sp. (210101325); Mie, Suzuka, Ogisu, 24.vii.1978, M. Sorin leg., host: *Artemisia* sp. (210101328); Osaka, Chihaya, 5.viii.1966, M. Sorin leg., host: *Artemisia* sp. (210101324); Nara, Mt. Ikoma, 29.vi.1958, M. Sorin leg., host: *Artemisia* sp. (210101323).

493. *Tuberocephalus higansakurae* (Monzen, 1927)

[Japan] 2 slides, Iwate, Morioka, Iwate University, 4.vi.1994, M. Sorin leg., host: *Prunus itosakura* (210101333, 210101334); Ishikawa, Hakusan, Tsurugi, 24.iv.2010, I. Togashi leg., host: *Prunus edoensis* (210101336); 1 slide, 26.iv.2010, same locality, collector and host (210101335).

494. *Tuberocephalus higansakurae hainnevilleae* Remaudière & Sorin, 1993

[Japan] Iwate, Morioka, 29.x.1975, Y. Ono leg., host: *Prunus itosakura* (210101339); 2 slides, Iwate, Morioka, Hachiman shrine, 5.vi.1994, M. Sorin leg., host: *Prunus itosakura*

(210101353, 210101354); 2 slides, Iwate, Morioka, Iwate University, 4.vi.1994, M. Sorin leg., host: *Prunus itosakura* (210101351, 210101352); 2 slides, Iwate, Morioka, Tohoku Agr. Exp. Station, 4.vi.1994, M. Sorin leg., host: *Prunus itosakura* (210101349, 210101350); Ibaraki, Tsukuba, 20.v.1992, M. Miyazaki leg., host: *Prunus itosakura* (210101342); Niigata, Kurokawa, Tainai, 10.v.1992, K. Baba leg., host: *Prunus donarium spontanea* (210101341); 2 slides, 20.v.1992, same locality, collector and host (210101346, 210101347); Niigata, Murakami, Senami, 29.v.1992, K. Baba leg., host: *Prunus itosakura* (210101343); Ishikawa, Hakusan, Tsurugi, 17.v.2010, I. Togashi leg., host: *Prunus itosakura* (210101361); 1 slide, 24.iv.2010, same locality, collector and host (210101360); Ishikawa, Kanazawa, 25.v.1981, M. Sorin leg., host: *Prunus subhirtella* (210101340); Mie, Ise, 12.v.1969, M. Sorin leg., host: *Prunus* sp. (210101337); 1 slide, 6.vi.1975, host: *Artemisia* sp. (210101338); 4 slides, 20.vi.1994, host: *Artemisia* sp. (210101355—58), 1 slide, 27.xi.1994, host: *Prunus subhirtella* (210101359), same locality and collector; 2 slides, Mie, Ise, Kuratayama, 17.vi.1992, M. Sorin leg., host: *Artemisia* sp. (210101344, 210101345); Mie, Saiku, 26.v.1993, M. Sorin leg., host: *Prunus subhirtella* (210101348). **[France]** 4 slides, Putanges Pont Ecrepin, 13.vi.1991, L. Hainneville leg., host: *Prunus subhirtella pendula*, syntypes (210101362—65).

495. *Tuberocephalus liaoningensis* Zhang & Zhong, 1976

[Japan] Mie, Ise, 14.v.1981, M. Sorin leg., host: *Prunus tomentosa* (210101366); 3 slides, 16.v.1993, same locality, collector and host (210101367—69).

496. *Tuberocephalus misakure* Moritsu & Hamasaki, 1983

[Japan] Mie, Ise, Nakamura, 11.v.1981, M. Sorin leg., host: Cherry (*Prunus* sp.) (210101372); Mie, Ise, Sakuragaoka, 3.xii.1994, M. Sorin leg., host: *Prunus pseudocerasus* (210101374); 1 slide, 30.iv.1995, same locality, collector and host (210101376); 2 slides, Hyogo, Kobe, 22.x.1963, M. Sorin leg., host: *Chrysanthemum* sp., root (210101370, 210101371); Hyogo, Takarazuka, 6.v.1993, M. Sorin leg., host: *Prunus pseudocerasus* (210101373); 1 slide, 10.xii.1994, H. Imura leg., host: *Chrysanthemum* sp., root, same locality (210101375).

497. *Tuberocephalus naumanni* Sorin & Remaudière, 1998

[Pakistan] Dungagali, 19.v.1983, Naumann leg., host: *Prunus cornuta*, syntypes (210101377).

498. *Tuberocephalus pakistanicus* Remaudière & Sorin, 1993
[Pakistan] Murree, 23.v.1985, Naumann leg., syntypes (210101378); 1 slide, 12.v.1989, syntypes, same locality and collector (210101379).
499. *Tuberocephalus sakurae* (Matsumura, 1917)
[Japan] Hokkaido, Sapporo, 13.ix.1968, M. Miyazaki leg., host: *Artemisia montana*, root (210101392); Fukushima, Mt. Bandai, 14.x.1968, M. Sorin leg., host: *Prunus* sp. (210101393); Mie, Ise, 31.v.1993, M. Sorin leg., host: Cherry (*Prunus* sp.) (210101397); Mie, Ise, Geku shrine, 29.iv.1972, M. Sorin leg., host: Cherry (*Prunus* sp.) (210101394); Mie, Ise, Kamiji, 30.iv.1994, M. Sorin leg., host: *Prunus* sp. (210101399); Mie, Ise, Kuratayama, 3.vii.1994, M. Sorin leg., host: *Artemisia vulgaris indica* (210101400); Mie, Ise, Nakamura, 27.vi.1993, M. Sorin leg., host: Cherry (*Prunus* sp.) (210101398); Mie, Ise, Yamochi cho, 28.iv.1990, M. Sorin leg., host: Cherry (*Prunus* sp.) (210101396); Osaka, 10.v.1956, K. Kojo leg., host: Cherry (*Prunus* sp.) (210101390); Osaka, Mt. Ikoma, 1.vi.1962, R. Takahashi leg., host: Cherry (*Prunus* sp.) (210101391); Yamaguchi, Asahi cho, 10.iv.1979, S. Hamasaki leg., host: *Prunus pauciflora* (210101395).
500. *Tuberocephalus sasakii* (Matsumura, 1917)
[Japan] Niigata, v.1960, K. Shibata leg., host: Cherry (*Prunus* sp.) (210101383); Mie, Hakusan cho, 12.v.1993, M. Sorin leg., host: *Prunus donarium spontanea* (210101387); 1 slide, 22.v.1993, same locality, collector and host (210101388); Mie, Ise, v.1967, M. Sorin leg., host: Cherry (*Prunus* sp.) (210101384); 1 slide, 19.v.1969, same locality, collector and host (210101385); Mie, Owase, 9.xii.1979, M. Sorin leg., host: *Rubus pseudo-acer* (210101386); Mie, Saiku, 29.v.1993, M. Sorin leg., host: Cherry (*Prunus* sp.) (210101389); Osaka, 23.v.1957, M. Sorin leg., host: Cherry (*Prunus* sp.) (210101380); 2 slides, Osaka, Chihaya, 1.vi.1958, M. Sorin leg., host: *Artemisia* sp. (210101381, 210101382).
501. *Tuberocephalus usubai* Sorin, 2011
[Japan] Nagano, Shinano machi, 25.vi.2008, S. Usuba leg., host: *Prunus buergeriana*, holotype (210104321); 3 slides, paratypes, same collection data (210101401, 210101402, 210104322); Nagano, Shinano, Ooi, paratypes, same date, collector and host (210104323).
502. *Tuberocephalus uwamizusakurae* Sorin & Remaudière, 1998
[Japan] 2 slides, Saitama, Otaniba, 20.iv.2007, S. Usuba leg., host: *Prunus grayana* (210101413, 210101414); Ishikawa, Kanazawa, 10.v.1981, M. Sorin leg., host: *Prunus grayana* (210101404); 1 slide, 9.v.1987, host: *Prunus grayana* (210101405), 1 slide, 20.v.1987, host: *Artemisia* sp., root (210101406), 1 slide, 17.vi.1987, host: *Artemisia* sp., root (210101407), same locality and collector; 2 slides, Ishikawa, Mt. Hakusan, 18.vi.1998, I. Togashi leg., host: *Prunus nipponica* (210101410, 210101411); 1 slide, 29.vi.2002, same locality, collector and host (210101412); 2 slides, Ishikawa, Oguchi, 5.v.1997, I. Togashi leg., host: *Prunus grayana* (210101408, 210101409); Osaka, Mt. Shigi, 9.v.1965, M. Sorin leg., host: *Prunus grayana*, syntypes (210101403).
503. *Tuberocephalus* sp.
[Japan] 6 slides, Mie, Saiku, 5.xii.1993, M. Sorin leg., host: *Prunus subhirtella* (210101415—20).
504. *Uroleucon* (s. str.) *ambrosiae* (Thomas, 1878)
[Paraguay] 2 slides, Caacupe, 6.ix.2000, Y. Kimura leg., host: *Ambrosia* cf. *elatir* (210101426, 210101427).
505. *Uroleucon* (s. str.) *chondrillae* (Nevsky, 1929)
[France] Herault, Cap d Agde, 11.v.1985, Remaudière leg., host: *Chondrilla juncea* (210104294).
506. *Uroleucon* (s. str.) *cichorii* (Koch, 1855)
[France] Gironde, Landiras, 6.vii.1985, Remaudière leg., host: *Crepis virens* (210104293).
507. *Uroleucon* (s. str.) *cirsii* (Linnaeus, 1758)
[Denmark] NEZ, Holte, Tyvekrog, 24.vii.1981, O. Heie leg., host: *Cirsium arvekrog* (210103802).
508. *Uroleucon* (s. str.) *formosanum* (Takahashi, 1921)
[Japan] Iwate, Obuke, 27.ix.1974, M. Sorin leg., host: *Lactuca* sp. (210101437); Mie, Ise, 17.ii.1974, M. Sorin leg., host: *Lactuca scalióra sativa* (210101441); Mie, Ise, Geku shrine, 7.vii.1968, M. Sorin leg., host: *Lactuca* sp. (210101442); Mie, Ise, Kuratayama, 5.v.1971, E. Shinohara leg., host: *Youngia japonica* (210101438); Mie, Ise, Mt. Shimaji, 11.ix.1971, E. Shinohara leg., host: *Sonchus oleraceus* (210101435); Mie, Ise,

Naiku shrine, 18.viii.1968, M. Sorin leg., host: *Lactuca* sp. (210101439); Nara, Yoshinogun, 15.viii.1956, R. Takahashi leg., host: *Lactuca* sp. (210101440); Shimane, Hinomisaki, 7.x.1976, M. Sorin leg., host: *Lactuca* sp. (210101436); Kagawa, Zentsuji, 5.v.1981, K. Yamamoto leg., host: *Fatsia japonica* (210101434).

509. *Uroleucon* (s. str.) *fuchuense* (Shinji, 1942)

[Japan] Mie, Ise, 15.vii.1971, M. Sorin leg., host: *Saussurea gracilis* (210101444); 6 slides, Mie, Ise, Kamiji, 24.x.1973, M. Sorin leg., host: *Aster scaber* (210101445—50); 10 slides, 1.xi.1993, same locality, collector and host (210101451—60); Hyogo, Kobe, Mt. Maya, 21.viii.1958, M. Sorin leg., host: *Eupatorium* sp. (210101443).

510. *Uroleucon* (s. str.) *hypochoeridis* (Fabricius, 1779)

[France] Gironde, S. Le Pilat 4 km, 5.vii.1985, Remaudière leg., host: *Hypochaeris radicata* (210104299); Pyrenees Orientales, Maureillas-Las-Illas, 22.v.1985, Remaudière leg., host: *Hypochaeris radicata* (210104298).

511. *Uroleucon* (s. str.) *inulicola* (Hille Ris Lambers, 1939)

[France] Aube, Nogent sur Seine, 24.v.1953, Remaudière leg., host: *Inula salicina* (210104300).

512. *Uroleucon* (s. str.) *monticola* (Takahashi, 1935)

[Japan] Nagano, Karuizawa, 31.vii.1961, R. Takahashi leg., host: *Aster* sp. (210101479); 6 slides, Mie, Ise, Kamiji, 24.x.1993, M. Sorin leg., host: *Aster ageratoides semiamplexicaulis* (210101483—88); 2 slides, 1.xi.1993, host: *Aster scaber* (210101489, 210101490), 5 slides, 1.xi.1993, host: *Aster ageratoides semiamplexicaulis* (210101491—95), same locality and collector; Osaka, Mt. Iwawaki, 29.v.1960, R. Takahashi leg., host: *Aster ageratoides amplexicaulis* (210101480); Osaka, Mt. Kongo, 20.viii.1961, M. Sorin leg., host: *Aster ageratoides amplexicaulis* (210101482); Nara, Mt. Yoshino, 9.vii.1961, M. Sorin leg., host: Compositae gen. sp. (210101481).

513. *Uroleucon* (s. str.) *nigrotuberculatum* (Olive, 1963)

[Japan] 4 slides, Iwate, Isawa, Wakayagi, 18.x.2000, Y. Takagi leg., host: *Solidago altissima* (210101506—509); 3 slides, Miyagi, Furukawa, Ohsaki, 5.vii.2001, T. Kidokoro leg., host: *Solidago altissima* (210101510—12); Ishikawa, Komatsu, 30.x.2003, I. Togashi leg., host: *Solidago serotina* (210101513); Mie, Ise, 7.vi.1992, M. Sorin leg., host: *Solidago altissima*

(210101500); 1 slide, 11.iv.1993, same locality, collector and host (210101499); 2 slides, Mie, Ise, Kuratayama, 24.xi.1992, M. Sorin leg., host: *Solidago altissima* (210101497, 210101498); 1 slide, 12.vii.1993, same locality, collector and host (210101502); Osaka, Habikino, 26.vi.1992, H. Tanaka leg., host: *Chrysanthemum coronarium spatiosum* (210101501); 3 slides, Miyazaki, Miyazaki shi, 5.vi.2000, H. Uematsu leg., host: *Solidago altissima* (210101503—05).

514. *Uroleucon* (s. str.) *obscurum* (Koch, 1855)

[France] Pyrenees Orientales, Maureillas, 22.v.1985, Remaudière leg., host: *Hieracium pilosella* (210104303).

515. *Uroleucon* (s. str.) *ochropus* (Hille Ris Lambers, 1939)

[France] Herault, W. Lac du Salagou 14 km, 15.v.1985, Remaudière leg., host: *Lactuca tenerrima* (210104304).

516. *Uroleucon* (s. str.) *picridis* (Fabricius, 1775)

[Japan] Ishikawa, Mt. Hakusan, 15.vi.1979, I. Togashi leg., host: *Hieracium japonicum* (210101516); Yamanashi, Daibosatsu toge, 14.vii.1971, M. Kono leg. (210101514); Gifu, Sugo kogen, 5.viii.1987, M. Sorin leg., host: *Picris hieracioides* (210101517); Mie, Ise, Nakamura, 28.iii.1999, M. Sorin leg., host: *Picris hieracioides* (210101518); Mie, Takihara, 10.v.1967, M. Sorin leg., host: *Picris hieracioides* (210101515). **[France]** 2 slides, Haute Savoie, Sallanches, 28.vii.1981, Remaudière leg., host: *Picris hieracioides* (210104305, 210104306).

517. *Uroleucon* (s. str.) *sonchi* (Linnaeus, 1767)

[Japan] Hokkaido, Sapporo, 14.vii.1965, M. Miyazaki leg., host: *Sonchus arvensis* (210101520). **[Denmark]** Jyll., Thy., Klitmler, 24.viii.1980, O. Heie leg., host: *Sonchus arvensis* (210103804).

518. *Uroleucon* (s. str.) *tanacetii* (Linnaeus, 1758)

[France] Corbeil, 15.vi.1962, Remaudière leg., host: *Tanacetum vulgare* (210104308).

519. *Uroleucon* (*Lambersius*) *erigeronense* (Thomas, 1878)

[France] Haute Savoie, Passy, La Combe, 21.x.1985, Remaudière leg., host: *Erigeron* sp. (210104297).

520. *Uroleucon* (*Lambersius*) *escalantii* (Knowlton, 1928)

[USA] Utah, Aron, 21.ix.1973, GFK leg., host: *Chrysothamnus*

nauseosus (210103803).

521. *Uroleucon* (*Uromelan*) *adenophorae* (Matsumura, 1918)
[Japan] Chiba, Naganuma, 18.vi.1971, M. Kono leg. (210101421).

522. *Uroleucon* (*Uromelan*) *aeneum* (Hille Ris Lambers, 1939)
[France] Herault, Cap d Agde, 11.v.1985, Remaudière leg., host: *Carduus* sp. (210104291).

523. *Uroleucon* (*Uromelan*) *amamianum* (Takahashi, 1930)
[Japan] Tochigi, Nikko, 13.x.1967, M. Sorin leg., host: cf. *Solidago* sp. (210101424); Ishikawa, Kanazawa, 14.vii.1969, M. Sorin leg., host: cf. *Lactuca* sp. (210101425); Ishikawa, Mt. Hakusan, 1.viii.1977, I. Togashi leg., host: *Solidago virgaurea* (210101423); Mie, Misugi, Hirakura, 16.vii.1973, M. Sorin leg., host: *Solidago virgaurea* (210101422).

524. *Uroleucon* (*Uromelan*) *campanulae* (Kaltenbach, 1843)
[France] Gironde, Podensac, Virelade, 1.vii.1985, Remaudière leg., host: *Jafione montana* (210104292).

525. *Uroleucon* (*Uromelan*) *cephalonopli* (Takahashi, 1962)
[Japan] Hokkaido, Atsusabe, 14.vii.1956, Takagi leg., host: *Cirsium* sp. (210101428); Hokkaido, Sapporo, Mt. Moiwa, 30.vii.1960, R. Takahashi leg., host: *Cirsium* sp. (210101430); Nagano, Shiga kogen, 18.vii.1987, M. Sorin leg., host: *Cirsium* sp. (210101429); Mie, Ise, 26.vi.1976, C. Chuma leg., host: *Cirsium* sp. (210101431).

526. *Uroleucon* (*Uromelan*) *compositae* (Theobald, 1915)
[Burundi] Munanira, Autrique leg. (210104295); 1 slide, vi.1982, host: *Vernonia* sp., same locality and collector (210104296). **[Tanzania]** Momella, 10.i.1972, O. Heie leg., host: *Vernonia lasiopus* (210103805).

527. *Uroleucon* (*Uromelan*) *eoessigi* (Knowlton, 1947)
[Canada] Lethbridge, 27.vii.1946, G. F. Knowlton leg., host: Holly hock (*Althaea rosea*) (210101432). **[USA]** Utah, Logan, 7.vii.1947, G. F. Knowlton leg., host: Holly hock (*Althaea rosea*) (210101433).

528. *Uroleucon* (*Uromelan*) *giganteum* (Matsumura, 1918)
[Japan] Hokkaido, Kurile Isls., S. Kuwayama leg., host:

Cirsium sp. (210101465); 3 slides, Ishikawa, Mt. Hakusan, 30.viii.2000, I. Togashi leg., host: *Cirsium japonicum* (210101468—70); Yamanashi, Daibosatsu toge, 16.vii.1971, M. Kono leg. (210101466); Mie, Ise, 20.vii.1966, M. Sorin leg., host: *Cirsium* sp. (210101464); Mie, Ise, Naiku shrine, 20.x.1974, M. Sorin leg., host: *Cirsium* sp. (210101463); Mie, Ise, Shimaji, 13.viii.1976, M. Sorin leg., host: *Cirsium* sp. (210101467); 2 slides, Hyogo, Kobe, Mt. Maya, 21.viii.1958, M. Sorin leg., host: *Cirsium* sp. (210101461, 210101462).

529. *Uroleucon* (*Uromelan*) *gobonis* (Matsumura, 1917)
[Japan] Mie, Ise, 14.vii.1971, M. Sorin leg., host: *Arctium lappa* (210101475); Mie, Ise, Kuratayama, 5.vi.1971, E. Shinohara leg., host: *Cirsium japonicum* (210101474); Osaka, 20.v.1954, R. Takahashi leg., host: *Arctium lappa* (210101472); 1 slide, 15.i.1957, M. Sorin leg., same locality and host (210101471); Osaka, Hirao, 21.vi.1955, M. Sorin leg., host: *Arctium lappa* (210101473).

530. *Uroleucon* (*Uromelan*) *jaceae* (Linnaeus, 1758)
[France] Haute Savoie, Passy, La Combe, 21.x.1985, Remaudière leg., host: *Centaurea jacea* (210104301).

531. *Uroleucon* (*Uromelan*) *lactucicola* (Strand, 1928)
[Japan] Nagano, Kisofukushima, 2.vi.1985, M. Sorin leg., host: *Solidago* sp. (210101478); Mie, Shima, 29.iv.1976, M. Sorin leg., host: *Solidago virgaurea* (210101476); Tottori, Iwami, 1.vi.1959, M. Sorin leg., host: *Cirsium* sp. (210101477).

532. *Uroleucon* (*Uromelan*) *neocampanulae* (Takahashi, 1962)
[Japan] Osaka, Mt. Nijo, 26.vi.1960, R. Takahashi leg., host: *Campanula* sp. (210101496).

533. *Uroleucon* (*Uromelan*) *nigrocampanulae* (Theobald, 1928)
[France] Pyrenees Orientales 500 m, Serdinya, 24.v.1985, Remaudière leg., host: *Campanula* sp. (210104302).

534. *Uroleucon* (*Uromelan*) *simile* (Hille Ris Lambers, 1935)
[Japan] Hokkaido, Shikotan Is., Chiboi, 27.vii.1940, S. Kuwayama & Y. Sugihara leg., host: *Erigeron annuus* (210101519).

535. *Uroleucon* (*Uromelan*) *solidaginis* (Fabricius, 1779)
[France] Pyrenees Orientales, Maureillas, 22.v.1985,

Remaudière leg., host: *Solidago virgaurea* (210104307).

536. *Uroleucon (Uromelan) taraxaci* (Kaltenbach, 1843)

[Japan] Hokkaido, Sapporo, 17.x.1964, M. Miyazaki leg., host: *Traxacum* sp. (210101521).

537. *Uroleucon* sp.

[Japan] Niigata, Kurokawa, 8.xi.1991, K. Baba leg., host: *Geranium nepalense* (210101523); Fukuoka, 17.iv.1965, M. Miyazaki leg., host: *Rodgersia podophylla* (210101522).

538. *Utamphorophora bromicola* Remaudière, 1983

[Mexico] 3 slides, 27.ix.1979, Remaudière leg., host: *Bromus ahomeles*, paratypes (210104310—12).

539. *Vesiculaphis caricis* (Fullaway, 1909)

[Japan] Mie, Ise, Kuratayama, 5.v.1976, T. Chuma leg., host: *Rhododendron* sp. (210101529); Osaka, 29.xi.1955, M. Sorin leg., host: *Rhododendron linearifolium* (210101524); 1 slide, 16.ii.1957, host: *Azalea* sp., same locality and collector (210101525); Osaka, Kuroyama, 10.v.1958, M. Sorin leg., host: *Rhododendron mucronatum* (210101526); 1 slide, 20.iv.1963, host: *Rhododendron* sp., same locality and collector (210101528); Fukuoka, West park, 19.iv.1964, V. D. Bosh leg., host: *Rhododendron* sp. (210101530); Miyazaki, Miyakonojo, 19.iv.1962, T. Tanaka leg., host: *Rhododendron* sp. (210101527).

540. *Vesiculaphis cephalata* Miyazaki, 1971

[Japan] Hokkaido, Sapporo, 4.viii.1968, M. Miyazaki leg., host: *Carex* sp. (210101531); 2 slides, Mie, Ise, Kamiji, 21.xi.2002, M. Sorin leg., host: *Carex* sp. (210101532, 210101533).

541. *Vesiculaphis kongoensis* Takahashi, 1965

[Japan] Osaka, Chihaya, 30.iv.1961, M. Sorin leg., host: *Rhododendron* sp. (210101534).

542. *Wahlgreniella arbuti* (Davidson, 1910)

[France] 2 slides, Gironde, Cap Ferret Le Trucvert, 17.vii.1986, Remaudière leg., host: *Arbutus unedo* (210104313, 210104314).

543. *Wahlgreniella nervata* (Gillette, 1908)

[USA] Utah, Santa Clara, 16.iv.1963, G. F. Knowlton leg., host: Rose (*Rosa* sp.) (210101535).

544. *Wahlgreniella ossiannilssoni* Hille Ris Lambers, 1949

[France] Haute Savoie, Passy, La Combe, 24.x.1998, Remaudière leg., host: *Rosa alpina* (210104316). **[Spain]** Leon, La Robla, 1.vii.1986, Remaud. & Nieto leg., host: *Arctostaphylos uvaursi* (210104315).

545. *Xenosiphonaphis conandri* Takahashi, 1961

[Japan] Mie, Ise, near Naiku shrine, 13.iv.1969, M. Sorin leg., host: *Stachyurus praecox* (210101544); Mie, Ise, Naiku shrine, 2.v.1969, M. Sorin leg., host: *Stachyurus praecox* (210101545); 2 slides, Kyoto, Fukuchiyama, 15.v.1976, M. Sorin leg., host: *Stachyurus praecox* (210101546, 210101547); 6 slides, Osaka, Kobuka, 19.v.1961, M. Sorin leg., host: *Stachyurus praecox* (210101536—41); 2 slides, 31.vii.1961, host: *Conandron ramondioides typicum*, same locality and collector (210101542, 210101543).

546. *Xenosiphonaphis japonica* Takahashi, 1961

[Japan] Osaka, Kawachinagano, 1.vi.1958, M. Sorin leg., host: *Stachyurus praecox* (210101548); 2 slides, Osaka, Kobuka, 22.v.1960, M. Sorin leg., host: *Stachyurus praecox* (210101549, 210101550); 3 slides, 19.v.1961, same locality, collector and host (210101551—53).

Subfamily CHAITOPHORINAE

Tribe Atheoidini

547. *Atheroides serrulatus* Haliday, 1839

[Denmark] Jyll., Thy., Klitmler, 7.ix.1980, O. Heie leg. (210103775).

548. *Sipha (Rungisia) arenarii* Mordvilko, 1921

[Sweden] Sk., Gislövs läge, 5.viii.1981, RD leg., host: *Elymus arenarius* (210103799).

549. *Sipha (Rungisia) maydis* (Passerini, 1860)

[France] Haute Savoie, Passy, La Combe, 21.x.1985, Remaudière leg., host: Gramineae gen. sp. (210104238).

Tribe Chaitophorini

550. *Chaitophorus dorocolus* Matsumura, 1919

[Japan] Ishikawa, Mt. Hakusan, 9.x.1975, M. Sorin leg., host: *Populus maximowiczii* (210101555); 4 slides, 18.v.2004, I.

Togashi leg., same locality and host (210101556—59).

551. *Chaitophorus hokkaidensis* Higuchi, 1972

[Japan] Niigata, Myoko kogen, 27.viii.1970, M. Sorin leg., host: *Salix* sp. (210101560); Mie, Suzuka, 7.vii.1979, M. Sorin leg., host: *Salix koriyanagi* (210101561).

552. *Chaitophorus horii* Takahashi, 1939

[Japan] Hokkaido, near Shikotsuko, 23.ix.1962, M. Sorin leg., host: *Salix* sp. (210101562).

553. *Chaitophorus horii beuthani* (Börner, 1950)

[Denmark] NEZ, Birkerød, 22.vii.1984 (210103780).

554. *Chaitophorus populeti* (Panzer, 1801)

[Japan] Niigata, Kurokawa, 22.vii.1991, K. Baba leg., host: *Populus sieboldi* (210101565); Mie, Ise, Kuratayama, 30.v.1982, M. Sorin leg. (210101564); Mie, Tsu, 17.vi.1974, Nakamura leg., host: *Populus* sp. (210101563).

555. *Chaitophorus populialbae* (Boyer de Fonscolombe, 1841)

[China] Peking, 22.ix.1999 (210101566).

556. *Chaitophorus populiyunnanensis* Zhang, 1985

[China] Unnan, 15.v.1980, Zhang leg. (210101567).

557. *Chaitophorus saliapteris* Shinji, 1924

[Japan] Tokyo, 23.vii.1960, R. Takahashi leg., host: *Salix* sp. (210101568); Kanagawa, Hatano, 10.vi.1967, M. Sorin leg., host: *Salix* sp. (210101569); 2 slides, Niigata, Mikawa mura, 1.xi.1991, K. Baba leg., host: *Salix* sp. (210101574, 210101575); 2 slides, Gifu, near Nakatsugawa, Kawakaki, 21.vii.1968, M. Sorin leg., host: *Populus tremula sieboldii* (210101570, 210101571); Mie, Suzuka, 7.vii.1972, M. Sorin leg., host: *Salix koriyanagi* (210101572); Mie, Takihara, 4.v.1980, M. Sakabe leg., host: *Salix* sp. (210101573).

558. *Chaitophorus salijaponicus* Essig & Kuwana, 1918

[Japan] Niigata, Mikawa mura, 2.xi.1991, K. Baba leg., host: *Salix* sp. (210101577); Osaka, Kawachinagano, 11.xi.1956, M. Sorin leg., host: *Salix babylonica* (210101576); Kagawa, Takamatsu, 12.xii.1971, M. Sorin leg., host: *Salix* sp. (210101578).

559. *Chaitophorus saliniger* Shinji, 1924

[Japan] Tokyo, 28.viii.1959, R. Takahashi leg., host: *Salix* sp. (210101581); Mie, Ise, 19.vii.1966, M. Sorin leg., host: *Salix* sp. (210101587); Osaka, 29.ix.1958, M. Sorin leg., host: *Salix* sp. (210101579); 1 slide, 16.v.1959, R. Takahashi leg., same locality and host (210101580); 2 slides, Osaka, Hirao, 25.xi.1959, M. Sorin leg., host: *Salix* sp. (210101582, 210101583); 1 slide, 28.v.1960 (210101586), 2 slides, 15.iv.1961 (210101584, 210101585), same locality, collector and host.

560. *Chaitophorus tremulae* Koch, 1854

[Japan] Mie, Ise, 3.vii.1975, M. Sorin leg., host: *Populus* sp. (210101589).

561. *Chaitophorus tumurensis* Zhang, 1985

[China] 30.vi.1977, host: *Salix* sp. (210101588).

562. *Chaitophorus xizangensis* Zhang, 1981

[China] 2.vii.1961, host: Chinese cabbage (*Brassica rapa pekinensis*) (210101590).

563. *Periphyllus acericola* (Walker, 1848)

[France] Haute Savoie, Les Contamines, 28.vi.1977, Remaudière leg., host: *Acer spulifolius* (210104151); 5 slides, Les Contamines, 28.vi.1977, Remaudière leg., host: *Acer opulifoliae* (210104153, 210104154, 210104157—59); 2 slides, La Varenne, 13.iv.1979, Remaudière leg., host: *Acer pseudoplatanus* (210104155, 210104156); Val de Marne, La Varenne, 13.iv.1979, Remaudière leg., host: *Acer pseudoplatanus* (210104152).

564. *Periphyllus acerihabitans* Zhang, 1982

[Japan] Ibaraki, Tsukuba, 7.v.1999, T. Fukatsu leg., host: *Acer buergerianum* (210101592); Tochigi, Nasu, 20.v.2000, T. Fukatsu leg., host: *Acer buergerianum* (210101593). **[China]** Tenmokuszan, 11.v.1975, host: *Acer buergerianum* (210101591).

565. *Periphyllus aceris* (Linnaeus, 1761)

[Denmark] Copenhagen, Emdrup, 23.vi.1982, O. Heie leg., host: *Acer platanoides* (210103795). **[France]** 11 slides, Haute Savoie, Les Bossons, 17.vi.1968, Remaudière leg., host: *Acer platanoides* (210104160—70).

566. *Periphyllus bulgaricus* Tashev, 1964

[France] 6 slides, Kazagol, 9.vi.1968, Torquie leg., host: *Acer hyrcanum* (210104171—76).

567. *Periphyllus californiensis* (Shinji, 1917)

[Japan] Iwate, Morioka, 4.vi.1994, M. Sorin leg., host: *Acer palmatum matsumurae* (210101597); 5 slides, Fukushima, Shirakawa, 29.v.2008, S. Usuba leg., host: *Acer curpinifolium* (210101600—04); Ishikawa, Mt. Hakusan, 14.v.2002, I. Togashi leg., host: *Acer mono* (210101598); 1 slide, 18.v.2004, host: *Populus maximowiczii*, same locality and collector (210101599); Mie, Ise, Geku shrine, 2.v.1976, M. Sorin leg., host: *Acer* sp. (210101596); 2 slides, Hyogo, Kobe, Mt. Futatabi, 23.x.1963, M. Sorin leg., host: *Acer* sp. (210101594, 210101595).

568. *Periphyllus hirticornis* (Walker, 1848)

[France] 4 slides, Rennes, 24.v.1971, Robert leg., host: *Acer campestre* (210104177—80).

569. *Periphyllus hokkaidensis* Sorin, 1990

[Japan] Hokkaido, Furano, 30.vii.1986, M. Sorin leg., host: *Acer mono subtrifidum*, syntypes (210101605).

570. *Periphyllus koelreuteriae* (Takahashi, 1919)

[Japan] 2 slides, Hokkaido, Sapporo, 24.ix.1962, M. Sorin leg., host: *Aesculum turbinata* (210101608, 210101609); Ishikawa, Mt. Hakusan, 7.vi.1987, I. Togashi leg., host: *Aesculum turbinata* (210101610); 2 slides, 26.v.1991, host: *Acer rufinerve* (210101611, 210101615), 2 slides, 10.vi.2000, host: *Acer mono* (210101613, 210101614), 4 slides, 28.v.2001, host: *Acer rufinerve* (210101621—24), same locality and collector; 5 slides, Ishikawa, Mt. Rokuman, 15.v.2001, I. Togashi leg., host: *Aesculum turbinata* (210101616—20); 2 slides, Mie, Iitaka cho, Oda, 27.vii.1959, M. Sorin leg., host: *Aesculum turbinata* (210101606, 210101607).

571. *Periphyllus kuwanaii* (Takahashi, 1919)

[Japan] 2 slides, Hokkaido, near Shikotsuko, 23.ix.1962, M. Sorin leg., host: *Acer* sp. (210101625, 210101626); Tochigi, Nasu, 20.v.2000, T. Fukatsu leg., host: *Acer mono* (210101629); Mie, Iitaka cho, Haze, 25.iv.2001, M. Sorin leg., host: *Juglans mandshurica sachalinensis* (210101630); Mie, Osugidani, 5.v.1987, M. Sorin leg., host: *Acer mono* (210101627); 1 slide, 25.vii.1987, same locality, collector and host (210101628).

572. *Periphyllus loricatus* Pashtshenko, 1987

[Japan] Nagano, Sugadaira, 28.vii.1941, R. Takahashi leg., host: *Acer ginnala*, syntypes (210101631).

573. *Periphyllus lyropictus* (Kessler, 1886)

[France] 5 slides, La Varenne, 3.vi.1968, Remaudière leg., host: *Acer platanoides* (210104181—85).

574. *Periphyllus montanus* Sorin, 1979

[Japan] 3 slides, Ishikawa, Mt. Hakusan, 10.vi.1995, M. Nakamura leg. (210101632—34); 5 slides, 28.v.2001, I. Togashi leg., host: *Acer rufinerve*, same locality (210101638—42); 1 slide, 5.vi.2001, same locality, collector and host (210101643); 3 slides, Ishikawa, Mt. Rokuman, 15.v.2001, I. Togashi leg., host: *Acer rufinerve* (210101635—37).

575. *Periphyllus negundinis* (Thomas, 1877)

[Mexico] 3 slides, Durango, 17.x.1980, Remaudière leg., host: *Acer negundo* (210104186—88).

576. *Periphyllus obscurus* Mamontova, 1955

[Belgium] 12.vi.1986, Quinet leg., host: *Acer campestre* (210104189). **[France]** 3 slides, Isere, Voiren, 14.vi.1986, Remaudière leg., host: *Acer campestre* (210104190—92).

577. *Periphyllus rhenanus* (Börner, 1940)

[France] 5 slides, E. Bourg l'Oisany, 28.v.1970, Remaudière leg., host: *Acer monspessulanum* (210104193—97).

578. *Periphyllus testudinaceus* (Ferne, 1852)

[France] 3 slides, Col du Granier, 20.ix.1958, Remaudière leg., host: *Acer campestre* (210104205—07); 3 slides, 26.xi.1978, host: *Acer pseudoplatanus*, same locality and collector (210104208—10); Hautes Alpes 1450 m, La Salle, Villeucuve, 26.ix.1961, Remaudière leg., host: *Acer pseudoplatanus* (210104198); 5 slides, Herault, 17.v.1985, Remaudière leg., host: *Acer monspessulanum* (210104212—16); Isere 1500 m, Chartreuse, Le Charmantsom, 19.ix.1968, Remaudière leg., host: *Acer pseudoplatanus* (210104199); 5 slides, sere 1100 m, Col du Granier, 20.ix.1968, Remaudière leg., host: *Acer campestre* (210104200—04); Val de Marne, La Varenne, 23.x.1982, Remaudière leg., host: *Acer pseudoplatanus* (210104211).

579. *Periphyllus tokyoensis* Sorin, 1990

[Japan] Tokyo, Asakawa, 24.vii.1959, R. Takahashi leg., host: *Acer* sp., syntypes (210101644).

580. *Periphyllus viridis* (Matsumura, 1919)

[Japan] Tochigi, Nasu, 20.v.2000, T. Fukatsu leg., host: *Acer mono* (210101646); Mie, Takihara, 10.v.1976, M. Sorin leg., host: *Acer* sp. (210101645).

581. *Periphyllus* sp.

[France] Herault, 17.v.1985, Remaudière leg., host: *Acer monspessulanum* (210104217).

582. *Trichaitophorus japonicus* Sorin, 1979

[Japan] 3 slides, Toyama, Midagahara, 16.vii.1969, M. Sorin leg., host: *Acer tschonokii*, syntypes (210101647—49).

583. *Trichaitophorus koyaensis* Takahashi, 1961

[Japan] 2 slides, Ishikawa, Mt. Hakusan, 28.v.2001, I. Togashi leg., host: *Acer rufinerve*, paratypes of *T. trichaitophorus takahashii* Sorin, 2002 (210101650, 210101651); 1 slide, same collection data (210101652).

Subfamily DREPANOSIPHINAE

584. *Drepanaphis acerifoliae* (Thomas, 1878)

[Canada] Ontario, London, 2.vi.1952, E. H. N. Smith leg., host: *Acer saccharum* (210101653).

585. *Drepanaphis kanzensis* Smith, 1941

[Canada] Ontario, Tillsenbarg, 16.vii.1958, L. A. Kelton leg., host: *Acer saccharum* (210101654).

586. *Drepanaphis simpsoni* Smith, 1959

[Canada] Ottawa, 8.vi.1959, host: *Acer saccharum* (210101655).

587. *Drepanaphis utahensis* Smith & Knowlton, 1943

[USA] Utah, Cache County, Green Canyon, 25.ix.1975, GFK leg., host: *Acer grandidentatum* (210103782).

588. *Drepanosiphoniella aceris* Davatchi, Hille Ris Lambers & Remaudière, 1957

[Iran] 2 slides, Khorramabad, 30.x.1967, Remaudière leg.,

host: *Acer cinerascens* (210104059, 210104060).

589. *Drepanosiphum oregonensis* Granovsky, 1939

[France] Herault, Col de la Merquiere, 15.v.1985, Remaudière leg., host: *Acer monspessulanum* (210104058).

590. *Drepanosiphum platanoidis* (Schrank, 1801)

[Netherlands] Amsterdam, 19.ix.1985, M. Sorin leg., host: *Betula* sp. (210101656—59).

591. *Shenahweum minutum* (Davis, 1910)

[Canada] Ontario, Normandale, 7.vii.1986, W. R. Richards leg., host: *Acer saccharum* (210104237).

592. *Yamatocallis hirayamae* Matsumura, 1917

[Japan] Ibaraki, Mt. Tsukuba, 31.v.2000, T. Fukatsu leg., host: *Acer mono* (210101664); Niigata, 13.xi.1976, A. Arakawa leg., host: *Acer* sp. (210101663); Mie, Matsusaka, 21.iv.1968, Okawa leg., host: *Acer* sp. (210101660); 2 slides, Nara, Nara shi, 7.v.1988, M. Sorin leg., host: *Acer* sp. (210101661, 210101662).

593. *Yamatocallis tokyoensis* (Takahashi, 1923)

[Japan] Mie, Ise, 5.v.1966, M. Sorin leg., host: *Acer* sp. (210101666); Mie, Ise, Koyagatake, 20.x.1974, Y. Tomida leg. (210101669); Mie, Ise, Kuratayama, 5.v.2001, M. Sorin leg., host: *Acer palmatum* (210101670); Mie, near Matsusaka, Misugi, 13.xi.1968, A. Kitamura leg., host: *Acer* sp. (210101668); Osaka, Mt. Shigi, 5.v.1964, M. Sorin leg., host: *Acer* sp. (210101665); Nara, Kashihara, 19.v.1985, M. Sorin leg., host: *Acer* sp. (210101667).

Subfamily GREENIDAINAE

Tribe Cervaphidini

594. *Cervaphis quercus* Takahashi, 1918

[Japan] 8 slides, Mie, Ise, Kamiiji, 10.x.2003, M. Sorin leg., host: *Quercus gilva* (210101673—80); Mie, Taki, Seiwa mura, 25.v.2002, M. Sorin leg., host: *Quercus acutissima* (210101672); Osaka, Hirao, 19.viii.1963, M. Sorin leg., host: *Quercus acutissima* (210101671).

Tribe Greenideini

595. *Allotrichosiphum kashicola* (Kurisaki, 1920)

[Japan] Mie, Ise, Geku shrine, 2.v.1976, M. Sorin leg., host: *Quercus glauca* (210101681); 2 slides, 30.iv.2000, same locality, collector and host (210101682, 210101683); 2 slides, Osaka, 10.v.1958, M. Sorin leg., host: *Quercus glauca* (210101684, 210101685).

596. *Eutrichosiphum pasaniae* (Okajima, 1908)

[Japan] Tokyo, 25.vii.1957, R. Takahashi leg., host: *Shiia* sp. (210101686); 3 slides, Kanagawa, Kamakura, 14.v.1995, M. Sorin leg., host: *Shiia* sp. (210101695—97); Mie, Ise, 5.v.1983, M. Sorin leg., host: *Shiia* sp. (210101694); Mie, Ise, Geku shrine, 21.vii.2002, M. Sorin leg., host: *Shiia sieboldii* (210101701); 1 slide, 6.x.2002, same locality, collector and host (210101702); Mie, Ise, Naiku shrine, 9.viii.1968, M. Sorin leg., host: *Shiia* sp. (210101688); 3 slides, 9.viii.2000, host: *Shiia sieboldii*, same locality and collector (210101698—700); Wakayama, Kushimoto, 26.x.1960, M. Sorin leg., host: *Castanopsis cuspidata* (210101687); Okinawa, 11—20.iii.1982 (210101693); Okinawa, Higashi son, mid.iii.1982, Ikenaga leg. (210101689); 1 slide, mid.iv.1982 (210101690), 1 slide, 23.iv.1982 (210101691), 1 slide, late.iv.1982 (210101692), same locality and collector.

597. *Eutrichosiphum shiicola* Takahashi, 1962

[Japan] Osaka, Amanosan, 1.vi.1957, R. Takahashi leg., host: *Shiia* sp. (210101703); Osaka, Kuroyama, 16.v.1960, M. Sorin leg., host: *Shiia* sp. (210101704).

598. *Eutrichosiphum sinense Raychaudhuri*, 1956

[Japan] Mie, Ise, Geku shrine, 6.x.2002, M. Sorin leg., host: *Shiia sieboldii* (210101707); Mie, Takihara, 4.vii.1976, M. Sorin leg., host: *Quercus serrata* (210101706); Hyogo, Kobe, Arima, 18.x.1960, M. Sorin leg., host: *Shiia* sp. (210101705).

599. *Eutrichosiphum tattakanum* (Takahashi, 1925)

[Japan] 6 slides, Mie, Ise, Geku shrine, 10.vi.1999, M. Sorin leg., host: *Quercus gilva* (210101715—20); Osaka, 4.vi.1958, M. Sorin leg., host: *Quercus glauca* (210101711); 1 slide, 15.vi.1958, host: *Quercus glauca* (210101714), 1 slide, 16.vi.1958, host: *Quercus phylliraeoides* (210101710), 1 slide, 25.iv.1958, host: *Quercus phylliraeoides* (210101709), same locality and collector; Osaka, Kuroyama, 1.vii.1957, M. Sorin leg., host:

Quercus acutissima (210101708); 1 slide, 6.vi.1958, host: *Quercus phylliraeoides* (210101712), 1 slide, 6.vi.1958, host: *Quercus glauca* (210101713), same locality and collector.

600. *Greenidea* (s. str.) *ficicola* Takahashi, 1921

[Japan] Okinawa, Wakugawa, 13.vi.1966, K. Iha leg., host: *Ficus wightiana* (210101721).

601. *Greenidea* (*Trichosiphum*) *carpini* Takahashi, 1963

[Japan] Tokyo, 6.v.1962, R. Takahashi leg., host: *Carpinus* sp. (210101722).

602. *Greenidea* (*Trichosiphum*) *hangnigra* Chang, 1979

[China] Koshu, 30.iv.1975, host: *Cannabis* sp. (210101723).

603. *Greenidea* (*Trichosiphum*) *isensis* Sorin & Agarwala, 2002

[Japan] 2 slides, Mie, Ise, Naiku shrine, 15.vii.2001, M. Sorin leg., host: *Quercus gilva*, paratypes (210101724, 210101725); 1 slide, 8.viii.2001, paratypes, same locality, collector and host (210101726).

604. *Greenidea* (*Trichosiphum*) *kuwanai* (Pergande, 1906)

[Japan] 2 slides, Ishikawa, Hakusan, Tsurugi, 4.vii.2006, I. Toggashi leg., host: *Quercus stenophylla* (210101733, 210101734); 1 slide, 17.ix.2006, same locality, collector and host (210101735); Mie, Ise, 14.v.1966, M. Sorin leg., host: *Shiia* sp. (210101727); 2 slides, Mie, Ise, Geku shrine, 12.v.2002, M. Sorin leg., host: *Quercus glauca* (210101730, 210101731); Mie, Ise, Kamiji, Asahidani, 3.viii.2003, M. Sorin leg., host: *Quercus glauca* (210101732); Mie, Ise, Miyagawa, 20.vi.1971, E. Shinohara leg., host: *Quercus acutissima* (210101728); Nara, Kashihara, 30.ix.2001, T. Sorin leg., host: *Quercus phylliraeoides* (210101729).

605. *Greenidea* (*Trichosiphum*) *nipponica* Suenaga, 1934

[Japan] Kanagawa, Hatano, Kobosan, 28.v.2000, S. Sugmoto leg., host: *Quercus serrata* (210101742); 1 slide, 25.vi.2000 (210101743), 1 slide, 1.vii.2000 (210101744), same locality, collector and host; Kanagawa, Oiso, Shonandaira, 25.vi.2000, S. Sugmoto leg., host: *Quercus phylliraeoides* (210101740); 1 slide, 1.vii.2000, same locality, collector and host (210101741); Mie, Iitaka cho, Hachisu, 26.viii.1976, M. Sorin leg., host: *Quercus* sp. (210101738); Mie, Ise, Kuratayama, 4.vii.1975, M. Sorin leg., host: *Quercus acutissima* (210101737); 3 slides,

18.v.2002, same locality, collector and host (210101739, 210101745, 210101746); Osaka, Hirao, 15.vi.1959, M. Sorin leg., host: *Quercus phylliraeoides* (210101736).

606. *Greenidea (Trichosiphum) okajimai* Suenaga, 1934

[Japan] Shiga, Makino, 19.vii.1970, M. Sorin leg., host: *Shiia* sp. (210101747).

607. *Greenidea (Trichosiphum) prinicola* Sugimoto, 2008

[Japan] Kanagawa, Hatano, Kobosan, 28.v.2000, S. Sugimoto leg., host: *Quercus serrata* (210101748); 1 slide, 25.vi.2000, same locality, collector and host (210101749).

608. *Mollitrichosiphum (s. str.) tenuicorpus* (Okajima, 1908)

[Japan] 2 slides, Mie, Ise, Geku shrine, 15.ix.1968, M. Sorin leg., host: *Shiia* sp. (210101759, 210101760); 2 slides, 6.x.2002, host: *Shiia sieboldii*, same locality and collector (210101764, 210101765); 2 slides, Mie, Ise, Kamiji, 9.viii.2000, M. Sorin leg., host: *Shiia* sp. (210101761, 210101762); Mie, Ise, Naiku shrine, 11.vii.2001, M. Sorin leg., host: *Shiia* sp. (210101763); 4 slides, 4.ix.2004, host: *Shiia sieboldii*, same locality and collector (210101766—69); 2 slides, Okinawa, Shoshi, 23.iii.1964, S. Ito leg., host: *Shiia* sp. (210101756, 210101757); Okinawa, Nago, 22.viii.1968, K. Iha leg., host: *Shiia* sp. (210101758).

609. *Mollitrichosiphum (Metatrichosiphon) glaucae* Takahashi, 1962

[Japan] Mie, Ise, Kamiji, 21.xi.2002, M. Sorin leg., host: *Carex* sp. (210101751); 3 slides, 10.x.2003, host: *Quercus gilva*, same locality and collector (210101752—54); Wakayama, 11.viii.1965, M. Sorin leg., host: *Quercus glauca* (210101750).

610. *Mollitrichosiphum (Metatrichosiphon) taiwanum* (Takahashi, 1921)

[Japan] Tokushima, Ichiu mura, 20.viii.1958, R. Takahashi leg., host: *Meliosma tenuis* (210101755).

611. *Mollitrichosiphum (Metatrichosiphon) yamabiwae* Suenaga, 1934

[Japan] Mie, Ise, Geku shrine, 15.ix.1968, M. Sorin leg., host: *Meliosma rigida* (210101770); 2 slides, 25.x.1968 (210101771, 210101772), 2 slides, 18.vii.2004 (210101773, 210101774), same locality, collector and host.

Tribe Schoutedeniini

612. *Eonaphis euphorbiae* Quednau, 1964

[Madagascar] Tsimbazaza, iii.1957, R. Paulian leg., host: *Euphorbia capuromi* (210104062).

613. *Paulianaphis madagascariensis* Essig, 1957

[Madagascar] Nosivolo, ix.1954, A. Robinson leg. (210104148).

614. *Schoutedenia emblica* (Patel & Kulkarni, 1953)

[Pakistan] Margalla Hills, alt. 1280 m, 15.x.1989, Naumann leg., host: *Phyllanthus emblica* (210104234).

615. *Schoutedenia ralumensis* Rübsaamen, 1905

[France] Guinea, Foulaya, 20.iii.1952, Villaroëbe leg. (210104230). **[Ivory Coast]** Fetekro, 2.vii.1978, Remaudière & Papierik leg., host: *Phyllanthus cf. creticulatum* (210104233). **[Burundi]** 2 slides, Bujumbura, iv.1983, A. Autrique leg., host: *Securigea virosa* (210104231, 210104232).

Subfamily HORMAPHIDINAE

Tribe Cerataphidini

616. *Aleurodaphis asteris* Takahashi & Sorin, 1958

[Japan] Mie, Itaka cho, Hachisu, 5.viii.2003, M. Sorin leg., host: *Aster yomena* (210101777); Mie, Ise, Naiku shrine, 20.viii.1968, M. Sorin leg., host: *Aster* sp. (210101776); Osaka, Mt. Makio, 16.vi.1957, M. Sorin leg., host: *Aster laulureanus* (210101775).

617. *Aleurodaphis blumeae* van der Goot, 1917

[Japan] 2 slides, Niigata, Nurakami, 14.x.1991, K. Baba leg., host: *Carpesium abratanooides* (210101792, 210101793); Mie, Ise, 9.viii.1966, M. Sorin leg., host: *Blumea* sp. (210101779); 4 slides, 29.x.1966, host: *Carpesium abratanooides* (210101781—84), 4 slides, 15.xii.1966, host: *Carpesium abratanooides* (210101785—88), 1 slide, 8.viii.1967, host: *Blumea* sp. (210101780), 1 slide, 31.viii.1969, host: *Carpesium abratanooides* (210101790), same locality and collector; Mie, Ise, Naiku shrine, 20.viii.1968, M. Sorin leg., host: *Carpesium abratanooides* (210101789); Mie, Misugi, 18.viii.1978, M. Sorin leg., host: *Carpesium abratanooides* (210101791); Mie, Ise, Naiku shrine, 20.viii.1968, M. Sorin leg., host: *Carpesium*

abratanoides (210101789); Osaka, 15.x.1957, M. Sorin leg., host: *Carpesium abratanoides* (210101778).

618. *Aleurodaphis impatientis* Sorin & Miyazaki, 2004

[Japan] Mie, Iitaka cho, Oda, 25.ix.1980, M. Sorin leg., host: *Impatiens textori*, paratypes (210101799); 6 slides, 5.x.1980, host: *Impatiens textori*, paratypes (210101803—08), 2 slides, 19.iv.1981, paratypes (210101809, 210101810), 2 slides, 25.viii.1981, host: *Impatiens noli-tangere*, paratypes (210101811, 210101812), 1 slide, 24.xi.1981, host: *Impatiens textori*, paratypes (210101813), same locality and collector; 4 slides, Kyoto, Kibune, 6.viii.1980, M. Miyazaki leg., host: *Impatiens textori*, paratypes (210101794—97); 4 slides, Kyoto, Mt. Kurama, 6.viii.1980, M. Sorin leg., host: *Impatiens textori*, paratypes (210101798, 210101800—02).

619. *Aleurodaphis ligulariae* Sorin & Miyazaki, 2004

[Japan] 3 slides, Tochigi, Nasu, 21.ix.1975, M. Miyazaki leg., host: *Ligularia fischeri*, paratypes (210101814—16); 4 slides, Nara, Yoshino, Mt. Wasamata, 31.vii.1982, M. Sorin leg., host: *Ligularia fischeri*, paratypes (210101817—20); 8 slides, 20.ix.1982, host: *Ligularia fischeri*, paratypes (210101821—28), 1 slide, 22.ix.1982, host: *Stewartia monadelphae* (210101829), 6 slides, 15.ix.1987, host: *Ligularia fischeri*, paratypes (210101830—35), same locality and collector.

620. *Aleurodaphis stewartiae* Sorin & Miyazaki, 2004

[Japan] 2 slides, Mie, Iitaka cho, Hachisu, 25.vii.1959, M. Sorin leg., host: *Aster* sp. (210101838, 210101839); 2 slides, Nara, Mt. Wasamata, 9.viii.1981, Y. Miyatake leg., host: *Stewartia monadelphae*, paratypes (210101836, 210101837).

621. *Astegopteryx bambucifoliae* (Takahashi, 1921)

[Japan] Nagano, Kisofukushima, 6.viii.1979, F. Kobayashi leg., host: *Sasa* sp. (210101841); Okinawa, Tamagusuku, Tamashiro, 9.ii.1966, K. Iha leg., host: *Bambusa vulgaris* (210101840).

622. *Astegopteryx xinglongensis* Zhang, 1982

[China] Kainan, 9.xi.1958 (210101845).

623. *Cerataphis fransseni* (Hille Ris Lambers, 1933)

[Japan] Hyogo, Kobe Plant Quarantine Station, 29.i.1957, host: Coco-nut palm (*Cocos nucifera*) (210101846).

624. *Ceratoglyphina styracicola* (Takahashi, 1936)

[Taiwan] 2 slides, Nantou County, Sun Moon Lake, 21.xi.1976, Yamane & Kiuchi leg., host: *Styrax suberifolium* (210101842, 210101843).

625. *Ceratovacuna cerbera* Aoki, Kurosu, Shin & Choe, 1999

[Japan] Wakayama, Mt. Koya, 6.ix.1955, M. Sorin leg., host: *Sasa veitchii* (210101847).

626. *Ceratovacuna japonica* (Takahashi, 1924)

[Japan] Gifu, Ono gun, Kiyomi mura, 4.ix.1988, A. Miyano leg., host: *Sasa* sp. (210101848); 4 slides, Mie, Matsusaka, Myozono, 1.vi.2008, M. Sorin leg., host: *Pleioblastus variegatus* (210101849—52).

627. *Ceratovacuna lanigera* Zehntner, 1897

[Japan] Mie, Ise, Kamiji, 28.viii.1975, M. Sorin leg., host: *Miscanthus* sp. (210101856); Mie, Ise, Shimaji, 11.ix.1971, E. Shinohara leg., host: *Miscanthus sinensis* (210101854); 1 slide, 19.ix.1976, M. Sorin leg., host: *Miscanthus* sp., same locality (210101857); Wakayama, 4.iii.1956, M. Sorin leg., host: *Miscanthus sinensis* (210101853); Kagoshima, Tanegashima Is., 1.vi.1972, Y. Otsu leg. (210101855); Okinawa, Naha, Shuri, 10.xii.1988, N. Arakaki leg., host: *Saccharum officinarum* (210101858).

628. *Ceratovacuna nekoashi* (Sasaki, 1910)

[Japan] Tokyo, 22.vii.1958, R. Takahashi leg., host: *Styrax japonica* (210101860); Mie, Iitaka cho, Oda, 27.vii.1959, M. Sorin leg., host: *Styrax japonica* (210101861); Mie, Ise, 20.vii.1984, M. Sorin leg., host: *Styrax japonica* (210101863); Mie, Osugidani, 11.viii.1961, M. Sorin leg., host: *Microstegium vimineum* (210101862); Hyogo, Kobe, Arima, 13.x.1957, R. Takahashi leg., host: *Oplismenus* sp. (210101859).

629. *Ceratovacuna* sp.

[Japan] Tokyo, v.1960, R. Takahashi leg., host: *Bambusa* sp. (210101871); 2 slides, host: Bamboo (Bambusoideae gen. sp.), same locality, date and collector (210101872, 210101873); Mie, 13.viii.1955, M. Sorin leg., host: *Oplismenus undulatifolius* (210101865); Mie, Iitaka cho, 25.vii.1958, M. Sorin leg., host: *Microstegium vimineum* (210101870); Osaka, 8.vii.1956, M. Sorin leg., host: *Miscanthus sinensis* (210101866); 3 slides, Osaka, Hirao, 15.x.1957, M. Sorin leg., host: *Oplismenus* sp.

(210101867—69); 4 slides, 28.vii.1960, host: *Sasa nipponica*, same locality and collector (210101874—77); Osaka, Kuroyama, 10.x.1954, R. Takahashi leg., host: *Oplismenus* sp. (210101864); 2 slides, Kagawa, Takamatsu, 19.xi.1964, M. Sorin leg., host: *Oplismenus undulatifolius* (210101878, 210101879); 4 slides, Okinawa, Tamagusuku, 18.x.1966, K. Iha leg., host: Bamboo (Bambusoideae gen. sp.) (210101880—83).

630. *Doraphis populi* (Maskell, 1898)

[Japan] 3 slides, Mie, Suzuka, 7.vii.1979, M. Sorin leg., host: *Populus* sp (210101885—87); Osaka, 8.vii.1956, M. Sorin leg., host: *Populus sieboldiana* (210101884).

631. *Pseudoregma alexanderi* (Takahashi, 1924)

[Japan] Kagoshima, Aira cho, 20.viii.1972, E. Shinohara leg., host: Bamboo (Bambusoideae gen. sp.) (210101890); 2 slides, Kagoshima, Tashiro cho, viii.1971, E. Shinohara leg., host: Bamboo (Bambusoideae gen. sp.) (210101888, 210101889). **[Thailand]** Bangkok, Bang Khen, 20.x.1976, Valui leg., host: *Bambusa* sp. (210101893); 1 slide, 15.xi.1978, P. Malanont leg., same locality and host (210101891).

632. *Pseudoregma bambucicola* (Takahashi, 1921)

[Japan] 2 slides, Kochi, Muroto point, 13.xi.2005, Y. Tanikado leg., host: Bamboo (Bambusoideae gen. sp.) (210101897, 210101898). **[Taiwan]** Nantou County, Pili, 20.xi.1976, Yamane & Kiuchi leg., host: Bamboo (Bambusoideae gen. sp.) (210101894); Nantou County, Sun Moon Lake, 22.xi.1977, S. Aoki leg., host: Bamboo (Bambusoideae gen. sp.) (210101895); 3 slides, Sun Moon Lake, 22.xii.1978, S. Aoki leg., host: Bamboo (Bambusoideae gen. sp.) (210101900—02). **[Thailand]** Bangkok, Bang Khen, 20.x.1976, Valui leg., host: *Bambusa* sp. (210101892); 1 slide, 15.xi.1978, P. Malanont leg., same locality and host (210101896); Soi Dao, 15.iii.1979, Valui leg. (210101899).

633. *Tsugaphis sorini* Takahashi, 1957

[Japan] 2 slides, Nara, Mt. Odaigahara, 16.viii.1956, M. Sorin leg., host: *Tsuga sieboldii* (210101903, 210101904).

634. *Tsugaphis sorini piceicola* Shaposhnikov & Gabrid, 1987

[Soviet Union] Kirgizier., 15.vi.1982, N. Binster leg., host: *Picea pungens* (210101905); 1 slide, 18.vi.1982, same locality, collector and host (210101906).

635. *Tuberaphis coreana* Takahashi, 1933

[Japan] 2 slides, Mie, Ise, 15.xii.1973, K. Sugiura leg., host: *Viscum album lutescens* (210101907, 210101908).

636. *Tuberaphis takenouchii* (Takahashi, 1934)

[Japan] Kanagawa, Hiratsuka, 5.x.1986, S. Aoki leg., host: *Styrax japonica* (210101844).

Tribe Hormaphidini

637. *Hamamelistes betulinus* (Horvath, 1896)

[Japan] Niigata, Myoko kogen, 28.viii.1970, M. Sorin leg., host: *Betula platyphylla* (210101928); Gifu, Sugo kogen, 5.viii.1987, M. Sorin leg., host: *Betula ermanii* (210101929). **[France]** Hautes Alpes, 2.vii.1990 (210101912).

638. *Hamamelistes cristafoliae* Monzen, 1954

[Japan] 3 slides, Aomori, Moya, 2.viii.1996, E. Kimura leg., host: *Betula maximowicziana* (210101913—15); 3 slides, Iwate, Morioka, 4.vi.1994, M. Sorin leg., host: *Betula platyphylla* (210101917, 210101919, 210101920); Tochigi, Nasu, 20.vi.1963, The Emperor leg., host: *Betula maximowicziana* (210101918); Nagano, Takasegawa, 8.viii.1988, Y. Matsumoto leg., host: *Betula maximowicziana* (210101916).

639. *Hamamelistes gibberi* Monzen, 1954

[Japan] Osaka, Mt. Ikoma, 20.v.1956, M. Sorin leg., host: *Betula latifolia* (210101921).

640. *Hamamelistes kagamii* (Monzen, 1929)

[Japan] Gifu, Sugo kogen, 5.viii.1987, M. Sorin leg., host: *Hamamelis japonica* (210101922); 2 slides, 6.viii.1987, host: *Betula latifolia*, same locality and collector (210101923, 210101924).

641. *Hamamelistes miyabei* (Matsumura, 1917)

[Japan] Fukushima, Mt. Bandai, 14.x.1968, M. Sorin leg., host: *Hamamelis japonica* (210101925); Ishikawa, Mt. Shiritaka, 15.ix.1988, I. Togashi leg., host: *Hamamelis japonica* (210101927); Gifu, Sugo kogen, 5.viii.1987, M. Sorin leg., host: *Hamamelis japonica* (210101926).

642. *Hormaphis betulae* (Mordvilko, 1901)

[Japan] Iwate, Obuke, 27.ix.1974, M. Sorin leg., host: *Betula*

platyphylla (210101910); Gifu, Norikura, 12.viii.1959, R. Takahashi leg., host: *Betula latifolia* (210101909); Gifu, near Mt. Norikura, Hirayu, 12.viii.1959, R. Takahashi leg., host: *Betula latifolia* (210101911).

Tribe Nipponaphidini

643. *Allothoracaphis piyananensis* (Takahashi, 1935)

[Japan] 2 slides, Kanagawa, Kamakura, 28.ii.1994, M. Sorin leg., host: *Quercus glauca* (210101932, 210101933); Mie, Ise, 3.v.1967, M. Sorin leg., host: *Quercus acuta* (210101931); 1 slide, 17.vii.2000, host: *Quercus glauca*, same locality and collector (210101934); 3 slides, Mie, Ise, Sarutahiko shrine, 12.vi.2001, M. Sorin leg., host: *Quercus glauca* (210101935—37); 1 slide, 16.vi.2001 (210101938), 1 slide, 1.vii.2001 (210101939), 2 slides, 12.v.2002 (210101940, 210101941), 2 slides, 28.x.2002 (210101942, 210101943), 1 slide, 23.v.2003 (210101944), same locality, collector and host; Osaka, Mt. Ikoma, 22.vii.1956, M. Sorin leg., host: *Quercus glauca* (210101930).

644. *Dermaphis crematogastris* (Takahashi, 1941)

[Japan] 6 slides, Tokyo, Mt. Takao, 24.vii.1958, R. Takahashi leg., host: *Quercus acuta* (210101945—50); Mie, Ise, Naiku shrine, 19.i.2005, M. Sorin leg., host: *Quercus gilva* (210101953); 1 slide, 16.vii.2005, same locality, collector and host (210101952); Mie, Taki, Sana shrine, 30.iv.2000, M. Sorin leg., host: *Quercus gilva* (210101951).

645. *Dermaphis japonensis* Takahashi, 1958

[Japan] 4 slides, Mie, Hisai shi, 17.x.2010, M. Sorin leg., host: *Quercus glauca* (210101976—79); 2 slides, Mie, Ise, 5.ii.1984, M. Sorin leg., host: *Quercus glauca* (210101960, 210101961); 1 slide, 23.iii.1984, host: *Distylium* sp. (210101962), 2 slides, 20.iii.1985, host: *Quercus glauca* (210101963, 210101964), 1 slide, 2.ii.1986, host: *Quercus glauca* (210101967), 1 slide, 30.iv.2000, host: *Quercus glauca* (210101968), same locality and collector; 2 slides, Mie, Ise, Geku shrine, 16.i.2005, M. Sorin leg., host: *Quercus gilva* (210101970, 210101971); 3 slides, 16.i.2005, host: *Quercus glauca* (210101980—82), 2 slides, 20.viii.2005, host: *Quercus glauca* (210101975, 210101983), same locality and collector; Mie, Ise, Koraibiro, 14.i.2005, M. Sorin leg., host: *Quercus glauca* (210101969); Mie, Ise, Mt. Kamiji, 29.vii.2005, M. Sorin leg., host: *Quercus glauca*

(210101974); 2 slides, Mie, Ise, Sarutahiko shrine, 20.i.1984, M. Sorin leg., host: *Quercus glauca* (210101956, 210101957); 2 slides, 30.i.1984 (210101958, 210101959), 2 slides, 19.i.2005 (210101972, 210101973), same locality, collector and host; Osaka, 10.viii.1955, M. Sorin leg., host: *Quercus glauca* (210101954); 1 slide, iv.1957, R. Takahashi leg., host: *Quercus* sp., same locality (210101955); 2 slides, Nara, Kashihara, 19.v.1985, M. Sorin leg., host: *Quercus glauca* (210101965, 210101966).

646. *Dermaphis takahashii* (Strand, 1929)

[Japan] Mie, Ise, Geku shrine, 20.viii.2005, M. Sorin leg., host: *Quercus glauca* (210101992); Mie, Ise, Koraibiro, 29.vii.2005, M. Sorin leg., host: *Quercus glauca* (210101991); Mie, Ise, Mt. Kamiji, 30.iv.2000, M. Sorin leg., host: *Quercus glauca* (210101990); Nara, Mt. Unebi, 19.v.1985, M. Sorin leg., host: *Quercus glauca* (210101984); 5 slides, 10.viii.1985, same locality, collector and host (210101985—89).

647. *Euthoracaphis umbellulariae* (Essig, 1932)

[Japan] 5 slides, Mie, Ise, Mt. Kamiji, 21.xi.2004, M. Sorin leg., host: *Cinnamum japonicum* (210101998—2002); Mie, Ise, Naiku shrine, 23.v.1972, M. Sorin leg., host: *Cinnamum loureirii* (210101993); 3 slides, Mie, Ise, Shimaji, 19.vii.2004, M. Sorin leg., host: *Cinnamum japonicum* (210101995—97); Wakayama, 26.i.1958, M. Sorin leg., host: *Cinnamum japonicum* (210101994).

648. *Indonipponaphis fulvicola* Sorin, 1979

[Japan] 2 slides, Tokyo, 28.x.1958, M. Sorin leg., host: *Distylium* sp. (210102003, 210102004); Mie, Ise, 14.v.1966, M. Sorin leg., host: *Quercus acuta*, syntypes (210102005); 1 slide, 15.vii.1996, host: *Distylium racemosum* (210102010), 1 slide, 30.v.1997, host: *Quercus gilva* (210102011), 1 slide, 9.vi.1997, host: *Distylium racemosum* (210102012), same locality and collector; Mie, Ise, Geku shrine, 5.vi.1986, M. Sorin leg., host: *Quercus acuta* (210102007); 2 slides, 18.vi.1986, host: *Quercus acuta* (210102008, 210102009), 1 slide, 29.v.1999, host: *Distylium racemosum* (210102013), 2 slides, 4.v.2000, host: *Distylium racemosum* (210102014, 210102015), same locality and collector; Fukuoka, 21.x.1981, Y. Ito leg., host: *Distylium* sp. (210102006).

649. *Lithoaphis shiiae* Takahashi, 1959

[Japan] Mie, Ise, 30.v.1975, M. Sorin leg., host: *Shiia* sp. (210102017); 3 slides, Mie, Ise, Naiku shrine, 4.ix.2004, M. Sorin leg., host: *Shiia sieboldii* (210102023—25); 1 slide, 13.xi.2004, same locality, collector and host (210102026); Osaka, Amanosan, 20.iv.1958, R. Takahashi leg., host: *Shiia* sp. (210102016); 5 slides, Wakayama, Yunotamo, 25.vii.2000, M. Sorin leg., host: *Shiia sieboldii* (210102018—22).

650. *Metanipponaphis cuspidatae* (Essig & Kuwana, 1918)

[Japan] Tokyo, 31.iii.1957, R. Takahashi leg., host: *Shiia* sp. (210102027); 2 slides, 25.xii.1959, same locality, collector and host (210102030, 210102031); Tokyo, Nishigahara, 26.x.1959, M. Sorin leg., host: *Distylium* sp. (210102028); Ishikawa, Monzen, Fukami, 8.v.1993, I. Togashi leg., host: *Shiia* sp. (210102035); Osaka, Hirao, vi.1960, M. Sorin leg., host: *Distylium* sp. (210102032); Osaka, Kuroyama, 26.xi.1959, M. Sorin leg., host: *Shiia* sp. (210102029); Okinawa, Higashi son, 12.iv.1983, H. Ikenaga leg., host: *Shiia sieboldii* (210102034); Okinawa, Kushimura, Okawa, 20.xi.1970, Nohara leg., host: *Distylium* sp. (210102033).

651. *Metanipponaphis rotunda* Takahashi, 1959

[Japan] 4 slides, Tokyo, Meguro, 14.xi.1981, Y. Ito leg., host: *Distylium* sp. (210102050—53); 4 slides, Kanagawa, Kamakura, 28.ii.1994, M. Sorin leg., host: *Shiia sieboldii* (210102056—59); Mie, Ise, Geku shrine, 25.iii.1975, M. Sorin leg., host: *Shiia* sp. (210102045); 3 slides, 2.ii.2003, host: *Shiia sieboldii*, same locality and collector (210102060—62); Mie, Ise, Kuratayama, 11.x.1978, M. Sorin leg., host: *Distylium* sp. (210102046); 1 slide, 10.xi.1981, host: *Shiia sieboldii* (210102049), 1 slide, 20.iv.1982, host: *Shiia* sp. (210102055), same locality and collector; Mie, Ise, Naiku shrine, 18.viii.1968, M. Sorin leg., host: *Shiia* sp. (210102044); 2 slides, Mie, Yokkaichi, 29.iv.1980, M. Sorin leg., host: *Shiia* sp. (210102047, 210102048); 4 slides, Wakayama, Kushimoto, 28.x.1960, M. Sorin leg., host: *Distylium* sp. (210102036—39); 1 slide, 8.xi.1960 (210102040), 3 slides, 13.xi.1960 (210102041—43), same locality, collector and host; Okinawa, Nago, 22.xi.1981, Y. Ito leg., host: *Distylium* sp. (210102054).

652. *Metanipponaphis rotunda nakijinensis* Sorin, 1996

[Japan] 3 slides, Okinawa, 11.x.1988, K. Iha leg., host: *Distylium racemosum* (210102063—65); Okinawa, Nago,

18.xi.1988, M. Sorin & K. Iha leg., host: *Distylium racemosum* (210102066); 2 slides, 18.xi.1988, syntypes (210102067, 210102068); 1 slide, 28.xi.1988, syntypes, (210102069), 3 slides, 28.xi.1988 (210102070—72), same locality, collector and host.

653. *Metanipponaphis shiicola* Takahashi, 1959

[Japan] Tokyo, Meiji shrine, 1.iii.1994, M. Sorin leg., host: *Shiia sieboldii* (210102074); Osaka, Amanosan, 3.v.1957, M. Sorin leg., host: *Shiia* sp. (210102073).

654. *Metanipponaphis* sp.

[Vietnam] 2 slides, Ninh Binh Prov., Cuc Phun, 20.iii.1995, U. Kurosu leg., host: *Castanopsis* sp. (210102075, 210102076).

655. *Metathoracaphis isensis* Sorin, 1987

[Japan] Mie, Ise, 1.vii.1999, M. Sorin leg., host: *Quercus gilva* (210102104); 1 slide, 3.vii.1999, host: *Quercus gilva* (210102105), 2 slides, 9.vii.1999, host: *Quercus gilva* (210102106, 210102107), 2 slides, 20.xii.1999, host: *Quercus gilva* (210102108, 210102109), 1 slide, 30.iv.2000, host: *Distylium racemosum* (210102112), 1 slide, 19.vii.2000, host: *Distylium racemosum* (210102132), 4 slides, 19.vii.2000, host: *Quercus gilva* (210102135—38), 2 slides, 8.xi.2000, host: *Quercus gilva* (210102152, 210102153), 2 slides, 15.i.2001, host: *Distylium racemosum* (210102155, 210102156), 1 slide, 20.iv.2001, host: *Distylium racemosum* (210102157), 2 slides, 26.iv.2001, host: *Distylium racemosum* (210102158, 210102159), 1 slide, 1.v.2001, host: *Distylium racemosum* (210102160), 1 slide, 9.v.2001, host: *Distylium racemosum* (210102161), 1 slide, 26.v.2001, host: *Distylium racemosum* (210102164), 3 slides, 2.vi.2001, host: *Distylium racemosum* (210102165—67), 8 slides, 10.vi.2001, host: *Distylium racemosum* (210102168—75), same locality and collector; 3 slides, Mie, Ise, Geku shrine, 29.i.1998, M. Sorin leg., host: *Quercus gilva* (210102086, 210102087, 210102093); 1 slide, 21.iii.1998, host: *Quercus gilva* (210102088), 1 slide, 2.iv.1998, host: *Quercus gilva* (210102094), 6 slides, 11.iv.1998, host: *Quercus gilva* (210102089—92, 210102095, 210102096), 1 slide, 17.iv.1999, host: *Quercus gilva* (210102097), 4 slides, 8.v.1999, host: *Quercus gilva* (210102098—101), 2 slides, 24.vi.1999, host: *Quercus gilva* (210102102, 210102103), 1 slide, 4.v.2000, host: *Distylium racemosum* (210102111), 2 slides, 12.v.2000, host: *Distylium racemosum* (210102110, 210102113), 5 slides, 13.v.2000, host: *Distylium racemosum* (210102114—18), 2 slides, 24.v.2000, host:

Distylium racemosum (210102119, 210102120), 5 slides, 3.vi.2000, host: *Distylium racemosum* (210102121—25), 2 slides, 15.vi.2000, host: *Distylium racemosum* (210102126, 210102127), 2 slides, 30.vi.2000, host: *Distylium racemosum* (210102128, 210102129), 4 slides, 1.vii.2000, host: *Distylium racemosum* (210102130, 210102131, 210102133, 210102134), 3 slides, 15.x.2000, host: *Distylium racemosum* (210102139—41), 2 slides, 17.x.2000, host: *Distylium racemosum* (210102142, 210102143), 5 slides, 19.x.2000, host: *Distylium racemosum* (210102144—48), 1 slide, 26.x.2000, host: *Distylium racemosum* (210102149), 2 slides, 28.x.2000, host: *Distylium racemosum* (210102150, 210102151), 1 slide, 10.xii.2000, host: *Distylium racemosum* (210102154), 1 slide, 22.iv.2003, host: *Distylium racemosum* (210102186), 2 slides, 25.vi.2008, host: *Distylium racemosum* (210102199, 210102200), 3 slides, 8.vii.1008, host: *Distylium racemosum* (210102196—98), same locality and collector; 2 slides, Mie, Ise, Kuratayama, 20.v.2001, M. Sorin leg., host: *Distylium racemosum* (210102162, 210102163); Mie, Ise, Naiku shrine, 16.vi.1986, M. Sorin leg., host: *Quercus gilva*, syntypes (210102077); 2 slides, 17.vi.1986, syntypes (210102078, 210102079), 1 slide, 17.vi.1986 (210102085), 1 slide, 22.x.1986, syntypes (210102080), same locality, collector and host; 6 slides, Mie, Ise, Sarutahiko shrine, 11.vi.2001, M. Sorin leg., host: *Distylium racemosum* (210102176—81); 1 slide, 21.vi.2001 (210102182), 3 slides, 24.vi.2001 (210102183—85), 4 slides, 30.v.2003 (210102187—90), same locality, collector and host; 5 slides, Kyoto, Kyoto University, 19.vi.2003, K. Ohashi leg., host: *Quercus gilva* (210102191—95); 2 slides, Kumamoto, 26.vi.1989*, Takizawa leg., host: *Distylium* sp., syntypes (210102083, 210102084); 2 slides, Kumamoto, Kurokami, Tatsutayama, 8.vi.1989*, Takizawa leg., host: *Distylium* sp., syntypes (210102081, 210102082).

*:labeled as 1989

656. *Monzenia globuli* (Monzen, 1934)

[Japan] 4 slides, Tokyo, 27.x.1958, M. Sorin leg., host: *Distylium racemosum* (210102206, 210102208—10); 2 slides, Aichi, Anjyo, 25.x.1957, M. Sorin leg., host: *Distylium racemosum* (210102201, 210102207); 1 slide, R. Takahashi leg., same locality, date and host (210102202); Mie, Ise, 1.v.1987, M. Sorin leg., host: *Distylium racemosum* (210102220); Mie, Tsu, 2.v.1987, M. Sorin leg., host: *Distylium racemosum* (210102221); Osaka, 21.xi.1958, M. Sorin leg., host: *Distylium racemosum*

(210102211); 1 slide, 1.xii.1958, same locality, collector and host (210102212); 4 slides, Osaka, Hirao, 18.ix.1959, M. Sorin leg., host: *Distylium racemosum* (210102213—16); 2 slides, 28.ix.1959, same locality, collector and host (210102204, 210102205); Osaka, Kuroyama, 29.xi.1957, M. Sorin leg., host: *Distylium racemosum* (210102203); Wakayama, Kushimoto, 27.x.1959, R. Takahashi leg. (210102217); 1 slide, host: *Distylium racemosum*, same locality, date and collector (210102218); 5 slides, Kagoshima, Yakushima Is., 18.ix.2000, S. Usuba leg., host: *Distylium racemosum* (210102231—35); 2 slides, Okinawa, 9.xi.1989, K. Iha leg., host: *Distylium racemosum* (210102222, 210102223); 6 slides, 15.xii.1989, same locality, collector and host (210102224—29); Okinawa, Nago, 13.xi.1990, M. Sorin leg., host: *Distylium racemosum* (210102230); 1 slide, 15.xi.1990, same locality, collector and host (210102219).

657. *Monzenia ihai* Sorin, 1996

[Japan] Mie, Ise, 10—16.xii.1998, M. Sorin leg., host: *Distylium racemosum* (210102265); Okinawa, 15.xii.1989, K. Iha leg., host: *Distylium racemosum* (210102259); 1 slide, 5.xii.1994 (210102252), 1 slide, 5.xii.1994, syntypes (210102262), 1 slide, 6.xii.1994, syntypes (210102263), 3 slides, 20.xii.1995 (210102249—51), 3 slides, 25.xi.1998 (210102247, 210102248, 210102253), same locality, collector and host; 5 slides, Okinawa, Nago, 22.xi.1981, Y. Ito leg., host: *Distylium racemosum* (210102254—58); 3 slides, 11.xi.1990, M. Sorin leg. (210102236, 210102237, 210102260), 2 slides, 13.xi.1990, M. Sorin leg. (210102238, 210102261), 4 slides, 15.xi.1990, M. Sorin leg. (210102239—41, 210102264), 5 slides, 16.xi.1990, M. Sorin leg. (210102242—46), same locality and host.

658. *Neodermaphis lineata* Sorin, 2006

[Japan] Mie, Ise, Naiku shrine, 19.i.2005, M. Sorin leg., host: *Quercus glauca*, holotype (210104319).

659. *Neodermaphis unebiensis* Sorin, 2006

[Japan] Nara, Kashihara, 19.v.1985, M. Sorin leg., host: *Quercus glauca*, holotype (210104320).

660. *Neonipponaphis shüiae* Takahashi, 1962

[Japan] Mie, Ise, Geku shrine, 22.v.1972, M. Sorin leg., host: *Shüia* sp. (210102268); 3 slides, Mie, Ise, Naiku shrine, 4.ix.2004, M. Sorin leg., host: *Shüia sieboldii* (210102271—73); 2

slides, 13.xi.2004, host: *Shiia cuspidata*, same locality and collector (210102269, 210102270); Osaka, Kenshinji, 10.iii.1957, M. Sorin leg., host: *Shiia cuspidata* (210102266); Kagoshima, 23.viii.1957, R. Takahashi leg., host: *Shiia* sp. (210102267).

661. *Neoreticulaphis nipponica* Sorin, 1999

[Japan] Mie, Ise, 15.xi.2000, M. Sorin leg., host: *Quercus gilva* (210102287); 1 slide, 5.vi.2001 (210102288), 1 slide, 10.vi.2001 (210102289), same locality, collector and host; Mie, Ise, Geku shrine, 25.x.1968, M. Sorin leg., host: *Meliosma rigida* (210102274); 1 slide, 19.vii.1998, host: *Quercus gilva* (210102281), 1 slide, 16.i.2005, host: *Quercus gilva* (210102296), same locality and collector; Mie, Ise, Koraibiro, 14.i.2005, M. Sorin leg., host: *Quercus gilva* (210102295); 2 slides, Mie, Ise, Naiku shrine, 19.i.2005, M. Sorin leg., host: *Quercus gilva* (210102297, 210102299); 3 slides, Mie, Ise, Sarutahiko shrine, 8.xi.2000, M. Sorin leg., host: *Quercus gilva* (210102283—85); 3 slides, Mie, Taki, Sana, 2.i.1998, M. Sorin leg., host: *Quercus gilva* (210102275—77); 1 slide, 25.ii.1998 (210102278), 1 slide, 6.vi.1999, paratypes (210102282), 1 slide, 11.xi.2000 (210102286), 1 slide, 5.i.2002 (210102290), same locality, collector and host; 2 slides, Mie, Takihara shrine, 15.i.1999, M. Sorin leg., host: *Quercus gilva* (210102279, 210102280); 1 slide, 30.iii.2008 (210102298), 5 slides, 18.ii.2011 (210102302—06), same locality, collector and host; Shiga, Omijingu shrine, 7.xi.2006, M. Sorin leg., host: *Quercus gilva* (210102300); 4 slides, Nara, Nara shi, 18.ix.2004, K. Ohashi leg., host: *Quercus gilva* (210102291—94); Nara, Kasuga shrine, 13.iii.2007, M. Sorin leg., host: *Quercus gilva* (210102301).

662. *Neothoracaphis elongata* (Takahashi, 1958)

[Japan] Mie, Ise, Sarutahiko shrine, 23.v.2003, M. Sorin leg., host: *Quercus* cf. *glauca* (210102307); 1 slide, 30.v.2003 (210102308), 1 slide, 6.v.2006 (210102309), same locality, collector and host.

663. *Neothoracaphis glaucae* (Takahashi, 1958)

[Japan] 2 slides, Mie, Ise, Kamiji, 2.v.1999, M. Sorin leg., host: *Quercus glauca* (210102311, 210102312); 1 slide, 8.ii.2003, same locality, collector and host (210102313); Tokushima, Ichiumura, 20.viii.1958, R. Takahashi leg., host: *Quercus glauca* (210102310).

664. *Neothoracaphis querciphaga* (Takahashi, 1958)

[Japan] Tokyo, 30.xii.1957, R. Takahashi leg., host: *Quercus myrsinaefolia* (210102314); 2 slides, Kanagawa, Kamakura, 28.ii.1994, M. Sorin leg., host: *Quercus myrsinaefolia* (210102315, 210102316).

665. *Neothoracaphis saramaoensis* (Takahashi, 1935)

[Japan] Kanagawa, Kamakura, 28.ii.1994, M. Sorin leg., host: *Quercus myrsinaefolia* (210102318); Mie, Ise, Mt. Kamiji, 8.ii.2003, M. Sorin leg., host: *Quercus glauca* (210102319); Mie, Ise, Sarutahiko shrine, 19.i.2005, M. Sorin leg., host: *Quercus* sp. (210102320); Kyoto, Amanohashidate, 30.x.1957, R. Takahashi leg., host: *Quercus myrsinaefolia* (210102317).

666. *Neothoracaphis yanonis* (Matsumura, 1917)

[Japan] Niigata, Murakami, Senami, 15.vi.1988, K. Baba leg., host: *Distylium racemosum* (210102326); Mie, 8.x.1956, M. Sorin leg., host: *Quercus* sp. (210102322); Mie, Ise, 21.v.1985, M. Sorin leg., host: *Distylium racemosum* (210102325); 2 slides, 24.vii.2000, host: *Quercus serrata* (210102329, 210102330), 1 slide, 27.iii.2001, host: *Distylium racemosum* (210102331), same locality and collector; 2 slides, Mie, Ise, Kuratayama, 18.x.1994, M. Sorin leg., host: *Quercus dentata* (210102327, 210102328); 3 slides, 24.x.2010, host: *Quercus serrata* (210102333—35), 2 slides, 1.xi.2010, host: *Distylium racemosum* (210102336, 210102337), same locality and collector; Mie, Ise, Sarutahiko shrine, 16.vi.2001, M. Sorin leg., host: *Quercus serrata* (210102332); Osaka, 12.ii.1956, M. Sorin leg., host: *Distylium racemosum* (210102321); 1 slide, 10.iii.1957 (210102323), 1 slide, 7.iv.1959 (210102324), same locality, collector and host.

667. *Nipponaphis amamiana* Takahashi, 1962

[Japan] Ehime, 10.i.1960, S. Yano leg. (210102338).

668. *Nipponaphis coreana* (Paik, 1965)

[Korea] Jeju-do, 15.vi.1965, host: *Cinnamomum camphora* (210102340); 1 slide, 5.vi.1968, same locality and host (210102339).

669. *Nipponaphis distychii* Pergande, 1906

[Japan] 2 slides, Tokyo, 27.x.1958, M. Sorin leg., host: *Distylium racemosum* (210102341, 210102342); 3 slides, Ishikawa, Kaga shi, Kashima, 16.vii.1987, I. Togashi leg., host:

Cinnamomum japonicum (210102362—64); Ishikawa, Tsurugi, 16.xii.1991, I. Togashi leg., host: *Litsea glauca* (210102368); 7 slides, Shizuoka, Inatori, 16.xi.1981, Y. Ito leg., host: *Distylium racemosum* (210102345—51); 2 slides, Mie, Ise, 31.xii.1998, M. Sorin leg., host: *Distylium racemosum* (210102379, 210102380); Mie, Ise, Kuratayama, 26.xii.1982, M. Sorin leg., host: *Litsea glauca* (210102359); 3 slides, Mie, Matsusaka, 30.x.1982, M. Sorin leg., host: *Distylium racemosum*, migrate to *Litsea glauca* (210102355—57); 3 slides, Mie, Tsu, 18.x.1982, M. Sorin leg., host: *Distylium racemosum*, migrate to *Litsea glauca* (210102352—54); 1 slide, 17.xi.1982, M. Sorin leg., host: *Distylium racemosum* (210102358), 1 slide, 21.x.1985, M. Sorin leg., host: *Distylium racemosum*, migrate to *Litsea glauca* (210102360), 1 slide, 24.x.1985, M. Sorin leg., host: *Distylium racemosum*, migrate to *Litsea glauca* (210102361), 1 slide, x.1997, Tsukada leg. (210102369), 9 slides, x.1997, Tsukada leg., host: *Distylium racemosum* (210102370—78), same locality; 3 slides, Tottori, 12.x.1987, M. Sorin leg., host: *Distylium racemosum* (210102365—67); 2 slides, 3.iii.1963, T. Tachikawa leg., host: *Machilus thunbergii* (210102343, 210102344).

670. *Nipponaphis distyliicola* Monzen, 1934

[Japan] Saitama, Nobidome, 15.iii.1987, U. Kurosu leg., host: *Quercus myrsinaefolia* (210102443); 3 slides, Tokyo, 27.x.1958, M. Sorin leg., host: *Distylium racemosum* (210102388—90); 6 slides, Tokyo, Hibiya, 17.i.1962, M. Sorin leg., host: *Quercus phylliraeoides* (210102397—402); 4 slides, Tokyo, Shinano cho, 13.x.1979, S. Usuba leg., host: *Distylium* sp. (210102422—25); 5 slides, Kanagawa, Kamakura, 3.vi.1996, M. Sorin leg., host: *Quercus myrsinaefolia* (210102484—88); 5 slides, Ishikawa, Hakusan, Tsurugi, 21.v.2006, I. Togashi leg., host: *Quercus stenophylla* (210102498—502); Ishikawa, Kagaichinomiya, 13.v.1979, M. Sorin leg., host: *Shiia sieboldii* (210102421); Ishikawa, Tsurugi, 24.vi.1983, I. Togashi leg. (210102442); 4 slides, 22.i.2003, host: *Quercus stenophylla*, same locality and collector (210102493—96); 2 slides, Mie, Ise, 13.ix.1971, E. Shinohara leg., host: *Quercus glauca* (210102409, 210102410); 1 slide, 3.v.1983, M. Sorin leg., host: *Distylium* sp. (210102441), 1 slide, 23.ii.1996, M. Sorin leg., host: *Quercus glauca* (210102489), 1 slide, 5.iv.1996, M. Sorin leg., host: *Quercus glauca* (210102491), 1 slide, 26.ii.1998, M. Sorin leg., host: *Quercus glauca* (210102492), same locality; Mie, Ise, Geku shrine, 7.vii.1968, M. Sorin leg., host: *Quercus glauca*

(210102407); 1 slide, 28.viii.2004, same locality, collector and host (210102497); Mie, Ise, Kuratayama, 29.x.1978, M. Sorin leg., host: *Distylium* sp. (210102419); 2 slides, 26.xii.1982, host: *Quercus glauca* (210102439, 210102440), 2 slides, 29.iii.1995, host: *Quercus glauca* (210102473, 210102474), 1 slide, 20.iv.1995, host: *Quercus glauca* (210102475), 2 slides, 16.v.1995, host: *Quercus glauca* (210102476, 210102477), same locality and collector; Mie, Ise, Naiku shrine, 18.viii.1958, M. Sorin leg., host: *Quercus glauca* (210102408); Mie, Ise, Sakuragaoka, 8.vi.1987, M. Sorin leg., host: *Quercus glauca* (210102444); Mie, Matsusaka, 3.i.1950, M. Sorin leg., host: *Distylium racemosum* (210102381); 2 slides, 3.i.1960, host: *Distylium racemosum* (210102391, 210102392), 2 slides, 26.x.1982, host: *Distylium* sp., migrate to *Quercus glauca* (210102431, 210102432), 3 slides, 31.x.1982, host: *Distylium* sp., migrate to *Quercus glauca* (210102433—35), 1 slide, 1.xi.1982, host: *Distylium* sp., migrate to *Quercus glauca* (210102436), 2 slides, 11.xi.1982, host: *Distylium* sp., migrate to *Quercus glauca* (210102437, 210102438), same locality and collector; 2 slides, Mie, Tsu, 13.x.1982, M. Sorin leg., host: *Distylium* sp., migrate to *Quercus glauca* (210102429, 210102430); Shiga, Otsu, 1.x.1975, M. Sorin leg., host: *Quercus* sp. (210102412); Osaka, 30.iv.1954, R. Takahashi leg., host: *Quercus* sp. (210102382); 1 slide, 28.x.1956, M. Sorin leg., host: *Quercus glauca* (210102383), 1 slide, 29.iii.1957, M. Sorin leg., host: *Quercus glauca* (210102384), 2 slides, 10.iii.1962, M. Sorin leg., host: *Quercus glauca* (210102403, 210102404), same locality; 2 slides, Hyogo, Kobe, Mt. Futatabi, 23.v.1965, M. Sorin leg., host: *Quercus glauca* (210102405, 210102406); 2 slides, Wakayama, Mt. Nachi, 27.x.1958, R. Takahashi leg., host: *Quercus glauca* (210102386, 210102387); 3 slides, Hiroshima, Akitsu, 12.i.1982, Y. Ito leg., host: *Distylium* sp. (210102426—28); Yamaguchi, Hagi, 6.x.1976, M. Sorin leg., host: *Quercus* sp. (210102418); Kochi, 2.v.1992, M. Kawamura leg., host: *Quercus glauca* (210102456); 4 slides, Nagasaki, 6.xi.1975, M. Sorin leg., host: *Quercus glauca* (210102413—16); 1 slide, 7.xi.1975, same locality, collector and host (210102417); Kumamoto, ii.1979, M. Sorin leg., host: *Quercus glauca* (210102420); Miyazaki, 24.v.1957, S. Takagi leg., host: *Quercus* sp. (210102385); Kagoshima, 13.iv.1960, R. Takahashi leg., host: *Distylium racemosum* (210102396); Kagoshima, Amami Oshima Is., Koshuku, 7.iv.1960, R. Takahashi leg., host: *Quercus* sp. (210102393); 2 slides, Kagoshima, Amami Oshima Is., Shinmura, 8.iv.1960, R. Takahashi leg., host: *Quercus* sp.

(210102394, 210102395); Kagoshima, Kimotsuki, Tashiro cho, 17.i.1975, A. Taniguchi leg., host: *Quercus acuta* (210102411); Okinawa, 17.iv.1992, K. Iha leg., host: *Distylium* sp. (210102455); 3 slides, 10.ii.1994, host: *Distylium* sp. (210102457—59), 3 slides, 22.ii.1994, host: *Distylium* sp. (210102460, 210102461, 210102469), 4 slides, 26.ii.1994, host: *Distylium* sp. (210102462—64, 210102470), 4 slides, 28.ii.1994, host: *Distylium* sp. (210102465—68), 3 slides, 28.xii.1995, host: *Distylium racemosum* (210102478—80), 1 slide, 4.iii.1995, host: *Distylium* sp. (210102471), 1 slide, 8.iii.1995, host: *Distylium* sp. (210102472), 3 slides, 5.ii.1996, host: *Distylium racemosum* (210102481—83), 1 slide, 5.iii.1996, host: *Distylium racemosum* (210102490), same locality and collector; 5 slides, Okinawa, Nago, 22.ii.1991 (210102445—49); 3 slides, 25.ii.1991 (210102450—52), 1 slide, 26.ii.1991 (210102453), 1 slide, 27.iii.1991 (210102454), same locality, collector and host.

671. *Nipponaphis loochoensis* Sorin, 1996

[Japan] 2 slides, Mie, Ise, 18.ii.1995, M. Sorin leg., host: *Machilus thunbergii*, syntypes (210102512, 210102513); Mie, Ise, Kuratayama, 21.iii.1995, M. Sorin leg., host: *Machilus thunbergii* (210102507); 1 slide, 11.iv.1995, host: *Machilus* sp., syntypes (210102506), 1 slide, 13.iv.1995, host: *Distylium* sp., syntypes (210102508), same locality and collector; 2 slides, Okinawa, Katsuyama, 22.xi.1981, Y. Ito leg., host: *Distylium* sp., migrate to *Machilus* sp., syntypes (210102509, 210102510); Okinawa, Motobu, 25.i.1995, K. Iha leg., host: *Distylium* sp., migrate to *Machilus* sp., syntypes (210102511).

672. *Nipponaphis machilicola* (Shinji, 1933)

[Japan] Mie, Ise, Kuratayama, 31.x.1987, M. Sorin leg., host: *Machilus* sp. (210102521); Mie, Matsusaka, 8.v.1987, M. Sorin leg., host: *Machilus* sp. (210102520); 2 slides, Wakayama, Nachi, 6.v.1985, M. Sorin leg., host: *Machilus* sp. (210102518, 210102519); Kagoshima, Kimotsuki, Tashiro cho, 17.i.1975, A. Taniguchi leg., host: *Machilus thunbergii* (210102514); 3 slides, Okinawa, Higashi son, 12.iv.1983, H. Ikenaga leg., host: *Machilus thunbergii* (210102515—17).

673. *Nipponaphis monzeni* Takahashi, 1958

[Japan] Mie, Ise, Geku shrine, 3.v.1983, M. Sorin leg., host: *Quercus* sp. (210102525); 1 slide, 8.v.1983, host: *Shiia* sp., same locality and collector (210102526); Mie, Ise, Kuratayama, 26.iii.1990, M. Sorin leg., host: *Quercus glauca* (210102528);

Osaka, 17.x.1957, M. Sorin leg., host: *Distylium* sp. (210102522); Osaka, Kuroyama, 16.iv.1960, M. Sorin leg., host: *Quercus glauca* (210102524); Wakayama, Mt. Nachi, 27.x.1958, R. Takahashi leg., host: *Distylium racemosum* (210102523); Okinawa, 18.xii.1989, K. Iha leg., host: *Distylium racemosum* (210102527).

674. *Nipponaphis* sp.

[Japan] Ishikawa, 4.v.1979, I. Togashi leg., host: *Quercus* sp. (210102505); Mie, Ise, Kuratayama, 29.iii.1995, M. Sorin leg., host: *Quercus glauca* (210102503); Okinawa, 4.iii.1995, K. Iha leg., host: *Distylium* sp. (210102504).

675. *Parathoracaphis setigera* Takahashi, 1932

[Japan] 2 slides, Mie, Ise, 17.vii.2000, M. Sorin leg., host: *Quercus glauca* (210102532, 210102533); 1 slide, 18.x.2010, same locality, collector and host (210102537); Mie, Ise, Geku shrine, 14.iv.1968, M. Sorin leg., host: *Quercus glauca* (210102531); Mie, Ise, Mt. Kamiji, 8.ii.2003, M. Sorin leg., host: *Quercus glauca* (210102536); Osaka, 21.iii.1957, M. Sorin leg., host: *Quercus glauca* (210102529); 1 slide, 3.v.1957, host: *Quercus myrsinaefolia*, same locality and collector (210102530); 2 slides, Wakayama, Yunotani, 25.vii.2000, M. Sorin leg., host: *Quercus glauca* (210102534, 210102535).

676. *Quadrartus agrifoliae* (Ferris, 1921)

[Japan] Mie, Ise, 2.v.1998, M. Sorin leg., host: *Quercus phylliraeoides* (210102543); 3 slides, 11.vi.1999 (210102544—46), 1 slide, 17.iv.2001 (210102547), 2 slides, 27.iv.2001 (210102548, 210102549), same locality, collector and host; 2 slides, Mie, Ise, Kuratayama, 24.x.2010, M. Sorin leg., host: *Quercus phylliraeoides* (210102557, 210102558); 3 slides, 4.xi.2010, same locality, collector and host (210102559—61); 4 slides, Kyoto, Kyoto University, 27.vii.2001, Tosaka leg., host: *Quercus phylliraeoides* (210102550—53); 2 slides, Osaka, 24.xii.1956, M. Sorin leg., host: *Quercus phylliraeoides* (210102538, 210102539); 1 slide, 10.iii.1957 (210102542), 2 slides, 20.i.1959 (210102540, 210102541), same locality, collector and host; 3 slides, Nara, Kashihara, 30.ix.2001, T. Sorin leg., host: *Quercus phylliraeoides* (210102554—56).

677. *Quadrartus yoshinomiya* Monzen, 1954

[Japan] Mie, Ise, 10.xi.1984, M. Sorin leg., host: *Quercus acutissima* (210102563); 1 slide, 27.iv.1998, host: *Distylium*

racemosum (210102564), 2 slides, 9.v.1998, host: *Quercus acutissima* (210102565, 210102566), 1 slide, 3.i.1999, host: *Distylium racemosum* (210102567), 2 slides, 26.iv.1999, host: *Distylium racemosum* (210102568, 210102569), 1 slide, 27.vii.1999, host: *Quercus acutissima* (210102570), 1 slide, 29.vii.1999, host: *Quercus acutissima* (210102571), 1 slide, 12.iv.2001, host: *Quercus acutissima* (210102572), 2 slides, 27.v.2001, host: *Quercus acutissima* (210102574, 210102575), 1 slide, 29.v.2003, host: *Quercus acutissima* (210102592), 1 slide, 29.iv.2008, host: *Quercus acutissima* (210102597), 1 slide, 30.ix.2009, host: *Distylium racemosum* (210102600), 2 slides, 11.x.2009, host: *Distylium racemosum* (210102601, 210102602), same locality and collector; Mie, Ise, Geku shrine, 12.v.2001, M. Sorin leg., host: *Quercus* sp. (210102588); 1 slide, 12.v.2001, host: *Quercus variabilis* (210102589), 2 slides, 6.x.2002, host: *Quercus* sp. (210102590, 210102591), 2 slides, 1.vi.2003, host: *Quercus variabilis* (210102593, 210102594), 2 slides, 3.xi.2010, host: *Quercus* sp. (210102603, 210102604), same locality and collector; 2 slides, Mie, Ise, Isuzugaoka, 19.iv.2002, M. Sorin leg., host: *Distylium racemosum* (210102586, 210102587); 2 slides, Mie, Ise, Kuratayama, 10.ix.2001, M. Sorin leg., host: *Quercus acutissima* (210102577, 210102578); 1 slide, 1.vii.2007, same locality, collector and host (210102595); Mie, Ise, Kurose, 16.x.2001, M. Sorin leg., host: *Quercus acutissima* (210102582); Mie, Ise, Naiku shrine, 22.viii.2001, M. Sorin leg., host: *Quercus acutissima* (210102576); 3 slides, Mie, Ise, Nakamura, 13.i.2002, M. Sorin leg., host: *Distylium racemosum* (210102583—85); 2 slides, Mie, Ise, Tsukimigaoka, 13.ix.2009, M. Sorin leg., host: *Distylium racemosum* (210102598, 210102599); 2 slides, Mie, Matsusaka, Myozono, 13.x.2007, M. Sorin leg., host: *Quercus acutissima* (210102573, 210102596); Mie, Taki, Gokatsura, 23.ix.2001, M. Sorin leg., host: *Quercus acutissima* (210102579); 2 slides, Nara, Kashihara, 24.ix.2001, M. Sorin leg., host: *Quercus acutissima* (210102580, 210102581); Wakayama, Minabe, 5.iv.1958, M. Sorin leg., host: *Distylium racemosum* (210102562).

678. *Quercaphis tuberculata* (Takahashi, 1933)

[Japan] Mie, Ise, Naiku shrine, 1.v.1994, M. Sorin leg., host: *Quercus gilva* (210102605); 3 slides, 2.v.1994 (210102606—08), 1 slide, 13.xi.2004 (210102610), same locality, collector and host; Nara, Takahatake, 18.ix.2004, Ohashi leg., host: *Quercus gilva* (210102609).

679. *Reticulaphis distylii fici* (Takahashi, 1923)

[Japan] Nagasaki, 7.xi.1975, M. Sorin leg., host: *Ficus wightiana* (210102611).

680. *Reticulaphis distylii foveolatae* (Takahashi, 1935)

[Japan] 2 slides, Kanagawa, Enoshima, 19.ix.2005, R. Sonobe leg., host: *Ficus foveolata nipponica* (210102614, 210102615); Mie, Ise, Mt. Kamiji, 13.i.2003, M. Sorin leg., host: *Ficus foveolata nipponica* (210102613); Osaka, 28.iv.1957, R. Takahashi leg., host: *Ficus foveolata* (210102612).

681. *Thoracaphis kashifoliae* (Uye, 1924)

[Japan] Mie, Ise, Naiku shrine, 23.x.1986, M. Sorin leg., host: *Quercus glauca* (210102622); Mie, Omiya cho, Takihara, 8.x.1985, M. Sorin leg., host: *Quercus glauca* (210102621); Nara, Mt. Kasagi, 30.x.1955, R. Takahashi leg., host: *Quercus acuta* (210102616); 2 slides, Osaka, 28.x.1956, M. Sorin leg., host: *Quercus acuta* (210102617, 210102618); Osaka, Mt. Shigi, 2.v.1965, M. Sorin leg., host: *Quercus glauca* (210102620); Ehime, Matsuyama, iv.1959, T. Tachikawa leg., host: *Quercus glauca* (210102619); 3 slides, Kumamoto, Mt. Aso, 28.vii.2005, M. Sorin leg., host: *Quercus glauca* (210102623—25).

682. *Thoracaphis linderiae* Shinji, 1926

[Japan] Fukuoka, Mt. Hikosan, 9.v.1957, S. Takagi leg. (210102626).

Subfamily LACHNINAE

Tribe Cinarini

683. *Cinara* (s. str.) *brauni* Börner, 1940

[France] Isere, Cascade de la Pisse, 19.viii.1986, Remaudière leg., host: *Pinus nigra* (210104038).

684. *Cinara* (s. str.) *cembrae* (Seitner, 1936)

[Japan] 2 slides, Nagano, Mt. Ontake, 16.viii.1968, Z. Yamashita leg., host: *Pinus pumila* (210102627, 210102628).

685. *Cinara* (s. str.) *chibi* Inouye, 1962

[Japan] Hokkaido, Mt. Taisetsu, 8.vii.1970, Z. Yamashita leg., host: *Sorbus matsumurana* (210102630); Hokkaido, Tokotan Bekkai, 20.viii.1961, M. Inouye leg., host: *Larix leptlepis* (210102629); 2 slides, Nagano, Mt. Norikura, 12.vi.1994, M. Nakamura leg. (210102633, 210102634); Hyogo, Kobe, Mt.

- Futatabi, 22.x.1963, M. Sorin leg., host: *Larix leptlepis* (210102632); Okayama, Kawakami, 24.vii.1975, M. Sorin leg., host: *Larix leptlepis* (210102631).
686. *Cinara* (s. str.) *costata* (Zetterstedt, 1828)
[Japan] 3 slides, Nara, Mt. Odaigahara, 15.vii.1969, Z. Yamashita leg., host: *Picea jezoensis* (210102635—37).
687. *Cinara* (s. str.) *formosana* (Takahashi, 1924)
[Japan] Yamanashi, Daibosatsu toge, 10.vii.1971, M. Kono leg. (210102641); Mie, Ichishi, Ureshino, 31.viii.1968, A. Kitamura leg., host: *Pinus thunbergii* (210102642); Ehime, Matsuyama, 6.iv.1957, T. Tachikawa leg., host: *Pinus thunbergii* (210102640).
688. *Cinara* (s. str.) *hattorii* Kono & Inouye, 1930
[Japan] Iwate, Morioka, 30.ix.1974, M. Sorin leg. (210102649); Nagano, Kisofukushima, 2.vi.1985, M. Sorin leg., host: *Abies firma* (210102650); 2 slides, Nara, Mt. Odaigahara, 28.viii.1972, Z. Yamashita leg., host: *Abies homolepis* (210102647, 210102648); Ehime, Mt. Ishizuchi, 7.viii.1969, Z. Yamashita leg., host: *Abies veitchii* (210102646).
689. *Cinara* (s. str.) *horii* Inouye, 1941
[Japan] Hokkaido, Mt. Taisetsu, 11.vii.1970, Z. Yamashita leg., host: *Picea glehni* (210102652). **[Unknown]** 1.viii.1941, M. Inouye leg., host: *Picea jezoensis* (210102651).
690. *Cinara* (s. str.) *kochiana kochi* Inouye, 1939
[Japan] Hokkaido, Tomakomai, 24.vii.1962, M. Inouye leg., host: *Larix leptlepis* (210102653); Fukushima, Mt. Bandai, 14.x.1968, M. Sorin leg., host: *Larix leptlepis* (210102654).
691. *Cinara* (s. str.) *laricicola* (Matsumura, 1917)
[Japan] Hokkaido, Etorofu Is., Shana, 2.ix.1940, S. Kuwayama leg., host: *Larix leptlepis* (210102657); Hokkaido, Mt. Taisetsu, 9.vii.1970, Z. Yamashita leg., host: *Abies sachalinensis* (210102658); Hokkaido, Sapporo, 31.vii.1986, M. Sorin leg., host: *Larix gmelini* (210102660); Nagano, Kisofukushima, 2.vi.1985, M. Sorin leg., host: *Larix leptlepis* (210102659).
692. *Cinara* (s. str.) *laricis* (Hartig, 1839)
[Japan] Hokkaido, Mt. Taisetsu, 7.vii.1976, Z. Yamashita leg., host: *Picea glehni* (210102656); Okayama, Maniwa, Tsusato, 29.v.1976, K. Kawada leg. (210102655).
693. *Cinara* (s. str.) *longipennis* (Matsumura, 1917)
[Japan] Shizuoka, Fujieda, 11.iv.1979, H. Ikeda leg., host: *Abies* sp. (210102665); Osaka, iv.1956, R. Takahashi leg., host: *Abies* sp. (210102661); 2 slides, Hyogo, Kobe, Mt. Rokko, 27.x.1956, M. Sorin leg., host: *Abies sachalinensis* var. *mayriana* (210102662, 210102663); 1 slide, R. Takahashi leg., host: *Abies* sp., same locality and date (210102664).
694. *Cinara* (s. str.) *maritimae* (Dufour, 1833)
[France] S. Le Pilot 6 km, 5.vii.1985, Remaudière leg., host: *Pinus pinaster* (210104039).
695. *Cinara* (s. str.) *matsumurana* Hille Ris Lambers, 1966
[Japan] 2 slides, Tochigi, Nikko, Chuzenji, 28.ix.1975, M. Sorin leg., host: *Abies homolepis* (210102666, 210102667).
696. *Cinara* (s. str.) *orientalis* (Takahashi, 1925)
[Japan] Okinawa, Naha, 14.v.1966, K. Iha leg., host: *Pinus* sp. (210102668).
697. *Cinara* (s. str.) *ozawai* Inouye, 1970
[Japan] Mie, Kawakami, 1.viii.1967, M. Sorin leg., host: *Tsuga* sp. (210102669).
698. *Cinara* (s. str.) *piceae* (Panzer, 1801)
[Japan] 2 slides, Hokkaido, Mt. Taisetsu, vii.1959, R. Inouye leg. (210102670, 210102672), 1 slide, 11.vii.1970, Z. Yamashita leg., host: *Picea jezoensis* (210102671), 2 slides, 12.vii.1985, I. Togashi leg., same locality, (210102673, 210102674). **[Norway]** Trondheim, Byasen, 11.vii.1983 (210103781). **[France]** Hautes Alpes 1800 m, Escreins, Vars, 14.x.1986, Remaudière leg., host: *Picea exelsa* (210104040).
699. *Cinara* (s. str.) *pilicornis* (Hartig, 1841)
[Japan] Hokkaido, Mt. Taisetsu, 7.vii.1970, Z. Yamashita leg., host: *Picea glehni* (210102638); 1 slide, 11.vii.1970, same locality, collector and host (210102639).
700. *Cinara* (s. str.) *pinidensiflorae* (Essig & Kuwana, 1918)
[Japan] Mie, Ichishi, Hakusan cho, 3.xii.1968, A. Kitamura leg., host: *Pinus thunbergii* (210102676); Mie, Ise, Mt. Kamiji,

29.vii.2003, M. Sorin leg., host: *Pinus densiflora* (210102680); Mie, Ise, Tsurugitoge, 7.ix.2010, M. Sorin leg., host: *Pinus densiflora* (210102681); 3 slides, Mie, Shima, Ago cho, 23.vi.1971, A. Kitamura leg., host: *Pinus pentaphylla* (210102677—79); Osaka, Mt. Iwawaki, 29.v.1960, M. Sorin leg., host: *Pinus densiflora* (210102675).

701. *Cinara* (s. str.) *piniformosana* (Takahashi, 1923)

[Japan] 2 slides, Tokyo, Setagaya, iii.1962, A. Watase leg., host: *Pinus densiflora* (210102686, 210102687); Yamanashi, Daibosatsu toge, 15.vii.1971, M. Kono leg. (210102682); Nagano, Kirigamine, 27.vii.1996, M. Sorin leg., host: *Pinus densiflora* (210102696); Nagano, Kisodani, 29.vii.1984, N. Hirukawa leg., host: *Pinus densiflora* (210102695); Nagano, Matsumoto, 31.vii.1983, N. Hirukawa leg., host: *Pinus densiflora* (210102694); Mie, 15.i.1956, M. Sorin leg., host: *Pinus densiflora* (210102683); 1 slide, 9.vii.1956, same locality, collector and host (210102684); 2 slides, Mie, Ise, Kamiji, 20.vii.2003, M. Sorin leg., host: *Pinus densiflora* (210102701, 210102702); Mie, Ise, Kuratayama, 10.vi.1982, M. Sorin leg. (210102693); Mie, Ise, Meyama, 27.vi.2004, M. Sorin leg., host: *Pinus densiflora* (210102703); 4 slides, Mie, Ise, Naiku shrine, 10.viii.2000, M. Sorin leg., host: *Pinus densiflora* (210102697—700); Mie, Ise, Shimaji, 19.vii.2004, M. Sorin leg., host: *Pinus densiflora* (210102704); Mie, Kameyama, 4.v.1979, M. Sorin leg., host: *Pinus* sp. (210102690); Mie, Suzuka, 7.vii.1979, M. Sorin leg., host: *Pinus* sp. (210102691); Osaka, Hirao, 20.ix.1963, M. Sorin leg., host: *Pinus densiflora* (210102688); 1 slide, 24.ix.1963, same locality, collector and host (210102689); Nagasaki, Unzen, 26.viii.1957, R. Takahashi leg., host: *Pinus* sp. (210102685); Okinawa, Higashi son, late.iv.1982, Ikeyama leg. (210102692).

702. *Cinara* (s. str.) *pruinosa ezoana* Inouye, 1936

[Japan] Tokyo, 22.vii.1959, R. Takahashi leg., host: *Pinus pentaphylla* (210102705).

703. *Cinara* (s. str.) *shinjū* Inouye, 1938

[Japan] 2 slides, Mie, Iitaka cho, Haze, 9.v.2001, M. Sorin leg., host: *Pinus pentaphylla* (210102707, 210102708); Nara, Kashihara, 18.vii.1972, T. Sugiura leg., host: *Pinus pentaphylla* (210102706).

704. *Cinara* (s. str.) *sorini* Inouye, 1970

[Japan] Mie, Ise, 28.vii.1967, M. Sorin leg., host: *Pinus thunbergii* (210102713); Osaka, Hirao, 25.xi.1959, M. Sorin leg., host: *Pinus thunbergii* (210102710); 1 slide, 3.xi.1960, same locality, collector and host (210102711); Osaka, Mt. Makio, 29.ix.1963, M. Sorin leg., host: *Pinus thunbergii* (210102712); Nara, Mt. Ikoma, 29.vi.1958, M. Sorin leg., host: *Pinus thunbergii* (210102709).

705. *Cinara* (s. str.) *todocola* (Inouye, 1936)

[Japan] 3 slides, Miyagi, Oshika, Kobuchi, 18.xi.2004, Sakuratani leg., host: *Abies firma* (210102716—18); Mie, Ise, 29.vi.1975, M. Sorin leg., host: *Abies* sp. (210102715); 4 slides, Mie, Ise, Mt. Kamiji, 21.xi.2004, M. Sorin leg., host: *Abies firma* (210102719—22); 3 slides, 3.xii.2004, same locality, collector and host (210102723—25); Mie, Ise, Shimaji, 24.vi.1975, M. Sorin leg., host: *Abies* sp. (210102714).

706. *Cinara* (s. str.) *watanabei* Inouye, 1970

[Japan] 2 slides, Tokyo, 22.vii.1957, R. Takahashi leg., host: *Pinus pentaphylla* (210102727, 210102728).

707. *Cinara* (*Cedrobium*) *laportei* (Remaudière, 1954)

[France] Bouches du Rhone, Marseille, Inra leg., host: *Cedrus* sp. (210104034); 2 slides, P. V., Marseille, 8.v.1967, host: *Cedrus* sp. (210104035, 210104036).

708. *Cinara* (*Cupressobium*) *fresai* Blanchard, 1939

[Japan] 2 slides, Mie, Ise, Nakamura, 23.xi.1980, M. Sorin leg., host: *Juniperus chinensis* (210102643, 210102644).

709. *Cinara* (*Cupressobium*) *tujafilina* (del Guercio, 1909)

[Japan] Okinawa, Naha, 2.v.1966, K. Iha leg., host: *Thuja occidentalis* (210102726).

710. *Cinara* sp. 1

[Japan] Mie, Ise, Nakamura, 18.i.1985, M. Sorin leg., host: *Juniperus chinensis* (210102645).

711. *Cinara* sp. 2

[Japan] Miyagi, Kinkazan, 5.viii.1966, Z. Yamashita leg., host: *Abies firma* (210102729).

712. *Cinara* sp. 3

[Japan] 4 slides, Mie, Ise, 5.xi.1996, M. Sorin leg., host: *Abies firma* (210102733—36); Mie, Ise, Mt. Shimaji, 31.x.1968, M. Sorin leg., host: *Torreya nucifera* (210102731); Mie, Suzuka, 30.viii.1995, M. Sorin leg., host: *Pinus densiflora* (210102732); Hyogo, Kobe, Mt. Futatabi, 22.x.1963, M. Sorin leg., host: *Tsuga* sp. (210102730).

713. *Eulachmus brevipilosus* Börner, 1940

[Spain] Cofinal, 2.vii.1986, GK N M leg., host: *Pinus* sp. (210104064).

714. *Eulachmus cembrae* Börner, 1950

[France] Hautes Alpes 1900 m, Risoul, 16.x.1986, Remaudière leg., host: *Pinus cembra* (210104065).

715. *Eulachmus isensis* Sorin, 2012

[Japan] Mie, Ise, Kamiji, 21.xi.2002, M. Sorin leg., host: *Pinus densiflora* (210102763); 2 slides, Mie, Ise, Koraibiro, 13.i.2003, M. Sorin leg., host: *Pinus densiflora*, paratypes (210102740, 210102741); Mie, Ise, Mt. Maeyama, 2.viii.2003, M. Sorin leg., host: *Pinus densiflora*, holotype (210102737); 2 slides, 21.xi.2002, paratypes (210102738, 210102739), 5 slides, 2.viii.2003, paratypes (210102742—46), 8 slides, 25.x.2011, paratypes (210102747—54), 1 slide, 25.x.2011 (210102765), 8 slides, 14.xi.2011, paratypes (210102755—62), 1 slide, 14.xi.2011 (210102764), same locality, collector and host.

716. *Eulachmus thunbergii* (Wilson, 1919)

[Japan] 3 slides, Mie, Ise, Kuratayama, 1.v.2003, M. Sorin leg., host: *Pinus thunbergii* (210102773—75); Mie, Ise, Mt. Kamiji, 21.xi.2004, M. Sorin leg., host: *Pinus densiflora* (210102777); Mie, Ise, Mt. Maeyama, 2.viii.2003, M. Sorin leg., host: *Pinus densiflora* (210102776); 1 slide, 25.x.2011, same locality, collector and host (210102778); Mie, Ise, Nakamura, 23.xi.1980, M. Sorin leg., host: *Pinus thunbergii* (210102772); 2 slides, Osaka, Hirao, 1.ii.1959, M. Sorin leg., host: *Pinus thunbergii* (210102768, 210102769); 2 slides, 15.iv.1960, same locality, collector and host (210102770, 210102771); Osaka, Kuroyama, 7.iv.1958, M. Sorin leg., host: *Pinus thunbergii* (210102767); Wakayama, Shionomisaki, 4.iv.1958, M. Sorin leg., host: *Pinus thunbergii* (210102766).

717. *Schizolachnus orientalis* (Takahashi, 1924)

[Japan] Osaka, 30.xi.1955, M. Sorin leg., host: *Pinus densiflora* (210102779).

Tribe Lachnini

718. *Lachnus shiicola* Sorin, 1980

[Japan] Shiga, Makino, 21.vii.1970, M. Sorin leg., host: *Shiia* sp., syntypes (210102780).

719. *Lachnus sorini* Binazzi & Remaudière, 2006

[Japan] Kanagawa, Kamakura, 3.vi.1996, M. Sorin leg., host: *Quercus myrsinaefolia* (210102782); 4 slides, Ishikawa, Hakusan, Tsurugi, 22.x.2005, I. Togashi leg., host: *Quercus stenophylla* (210102796—99); 2 slides, Mie, Ise, 15.xii.2005, M. Sorin leg., host: *Quercus glauca* (210102791, 210102795); 4 slides, host: *Quercus paucidentata*, same locality, date and collector (210102792—94, 210104341); 7 slides, Mie, Ise, Kuratayama, 13—25.x.2005, M. Sorin leg., host: *Quercus paucidentata* (210102783—88, 210104342); 1 slide, 10.xi.2005 (210102789), 1 slide, 15.xi.2005 (210102790), same locality, collector and host; Kyoto, 28.v.1961, S. Ito leg., host: *Shiia* sp. (210102781).

720. *Lachnus takahashii* Sorin, 1980

[Japan] 6 slides, Mie, Ise, Mt. Kamiji, 25.vii.2007, M. Sorin leg., host: *Quercus acutissima* (210102803—08); 3 slides, 31.viii.2007, same locality, collector and host (210102809—11); 2 slides, Mie, Taki, 30.ix.1989, M. Sorin leg., host: *Quercus acutissima* (210102801, 210102802); Osaka, Higashiyama, 16.x.1959, M. Sorin leg., host: *Quercus acutissima*, syntypes (210102800).

721. *Lachnus tropicalis* (van der Goot, 1916)

[Japan] Niigata, Sado, 2.viii.1969, K. Takanashi leg. (210102816); Ishikawa, near Kanazawa, Yuwaki, 9.vii.1978, M. Sorin leg., host: *Quercus serrata* (210102822); Ishikawa, Tsurugi, 26.iv.2004, I. Togashi leg., host: *Quercus serrata* (210102825); 1 slide, 10.x.2004, same locality and collector (210102826); 2 slides, Aichi, Nagoya, 29.xi.1985, E. Hayami leg., host: *Quercus variabilis* (210102823, 210102824); 3 slides, Mie, Ise, 20.v.1974, M. Sorin leg., host: *Quercus acutissima* (210102817—19); 1 slide, 21.v.1974, same locality, collector and host (210102820); Mie, Ueno, 18.v.1975, T. Okawa leg.

(210102821); Osaka, Kobuka, 22.v.1960, R. Takahashi leg., host: *Quercus acutissima* (210102812); 3 slides, Nara, Mt. Yoshino, 9.vii.1961, M. Sorin leg., host: *Quercus acutissima* (210102813—15).

722. *Longistigma liquidambarus* (Takahashi, 1925)

[Japan] Okayama, Kurashiki, 29.xi.1990, K. Kawada leg., host: *Liquidambar formosana* (210102827).

723. *Nippolachnus piri* Matsumura, 1917

[Japan] Hokkaido, Sapporo, 1.viii.1960, R. Takahashi leg., host: *Sorbus alnifolia* (210102828); 1 slide, 19.ix.1962, M. Sorin leg., host: *Ulmus japonica*, same locality (210102830); Niigata, Seiro mura, Kiyogata, 7.i.1992, K. Baba leg., host: *Rhaphiolepis umbellata* (210102831); Osaka, Kuroyama, 27.vi.1961, M. Sorin leg., host: *Pyrus* sp. (210102829).

724. *Pyrolachnus imbricatus nipponicus* Sorin, 2011

[Japan] Nagano, Matsushiro, 15.ix.1992, N. Hirukawa leg., host: *Prunus yedoensis*, holotype (210104326); 16 slides, 15.ix.1992, paratypes (210102832—46, 210104327), 2 slides, 18.vi.1993, paratypes (210102847, 210104328), same locality, collector and host.

725. *Pyrolachnus* sp.

[Japan] 4 slides, Nagano, Matsushiro, 7.ix.1992, N. Hirukawa leg., host: *Prunus yedoensis* (210102848); 1 slide, 15.ix.1992 (210102852), 1 slide, 30.v.1993 (210102853), same locality, collector and host.

726. *Stomaphis abieticola* Sorin, 2012

[Japan] Ehime, Omogokei, 10.viii.2010, Y. Matsumoto leg., host: *Abies firma*, holotype (210102854); 2 slides, 10.viii.2010, paratypes (210102855, 210102856), 6 slides, 29.x.2010, paratypes (210102857—62), same locality, collector and host.

727. *Stomaphis aceris* Takahashi, 1960

[Japan] Mie, Kawakami, 31.vii.1967, M. Sorin leg., host: *Acer* sp. (210102864); Kagawa, Takamatsu, 19.xi.1964, M. Sorin leg., host: *Acer* sp. (210102863).

728. *Stomaphis alni* Sorin, 1965

[Japan] Hokkaido, Sapporo, 4.ix.1983, S. Takahashi leg., host: *Alnus japonica* (210102865); 5 slides, Miyagi, Oshika,

Ayukawa, 18.xi.2004, Sakuratani & Sorin leg., host: *Alnus japonica* (210102866—70).

729. *Stomaphis aphananthae* Sorin, 1979

[Japan] Mie, Ise, 12.xi.1967, M. Sorin leg., host: *Aphananthe aspera*, syntypes (210102871); Mie, Ise, Kamiji, 20.x.2003, M. Sorin leg., host: *Aphananthe aspera* (210102873); Mie, Ise, Naiku shrine, 23.ix.1995, M. Sorin leg., host: *Aphananthe aspera* (210102872); 3 slides, 4.ix.2004 (210102874—76), 3 slides, 13.xi.2004 (210102877—79), same locality, collector and host.

730. *Stomaphis asiphon sakuratani* Sorin, 2012

[Japan] Miyagi, Ishinomaki, Sasunohama, 25.vi.2007, Y. Sakuratani leg., host: *Juglans mandshurica sachalinensis*, holotype (210102880); 7 slides, paratypes, same collection data. (210102895—901); 10 slides, Miyagi, Oshika, Kobuchi, 18.xi.2004, Sakuratani & Sorin leg., host: *Juglans mandshurica sachalinensis*, paratypes (210102881—90); 4 slides, 15.vi.2005, paratypes, same locality, collector and host (210102891—94).

731. *Stomaphis fagi* Takahashi, 1960

[Japan] Mie, Kawakami, 31.vii.1967, M. Sorin leg., host: *Fagus* sp. (210102902).

732. *Stomaphis graffii* Cholodkovsky, 1894

[Czechoslovakia] Distr. Bratislava, 4.x.1988, A. Czylok leg., host: *Acer campestre* (210102846).

733. *Stomaphis hirukawai* Sorin, 1995

[Japan] Nagano, Kiso, Narai, 7.ix.1992, N. Hirukawa leg., host: *Chamaecyparis obtusa* (210102905); 1 slide, 15.ix.1992 (210102904), 1 slide, 15.ix.1992, syntypes, same locality, collector and host (210102903); 2 slides, Okayama, Takahashi, Okumada, 7.xii.2005, K. Matsuura leg., host: *Chamaecyparis obtusa* (210102906, 210102907).

734. *Stomaphis japonica* Takahashi, 1960

[Japan] Mie, Ise, Geku shrine, 7.vii.1968, M. Sorin leg., host: *Quercus* sp. (210102910); 5 slides, Mie, Ise, Kuratayama, 16.vii.2007, M. Sorin leg., host: *Quercus serrata* (210102914—18); 4 slides, 1.ix.2007, host: *Quercus acutissima*, same locality and collector (210102923—26); 2 slides, Mie, Ise, Mt. Kamiji, 25.vii.2007, M. Sorin leg., host: *Quercus serrata* (210102912,

210102913); Mie, Toba city, Momotori, 23.viii.1982, M. Sorin leg., host: *Quercus* sp. (210102911); 2 slides, Kyoto, Mt. Daimonji, 22.x.2007, H. Takada leg., host: *Quercus variabilis* (210102927, 210102928); 4 slides, Kyoto, Mt. Uryu, 2.x.2007, H. Takada leg., host: *Quercus serrata* (210102919—22); Osaka, Higashiyama, 13.ix.1959, M. Sorin leg., host: *Quercus acutissima* (210102909); 1 slide, 16.x.1959, same locality, collector and host (210102908).

735. *Stomaphis malloti* Sorin, 1979

[Japan] Ishikawa, Kanazawa, 27.viii.1995, M. Sorin leg., host: *Mallotus japonicus* (210102931); 2 slides, Mie, Ise, 23.ix.1995, M. Sorin leg., host: *Mallotus japonicus* (210102930, 210102932); Mie, Ise, Mt. Shimaji, 1.xii.1968, M. Sorin leg., host: *Mallotus japonicus*, syntypes (210102929).

736. *Stomaphis matsumotoi* Sorin, 1995

[Japan] Nagano, Hodaka, Torikawa, 10.x.1989, Y. Matsumoto leg., host: *Juglans mandshurica sachalinensis*, syntypes (210102933); 1 slide, same collection data (210102934).

737. *Stomaphis pini* Takahashi, 1920

[Japan] Mie, Ise, Mt. Shimaji, 1.xii.1968, M. Sorin leg., host: *Pinus densiflora* (210102936); Mie, Ise, Naiku shrine, 17.ix.1978, M. Sorin leg., host: *Pinus densiflora* (210102937); Kyoto, Mt. Uryu, 23.x.2007, H. Takada leg., host: *Pinus densiflora* (210102938).

738. *Stomaphis pini takaensis* Sorin, 2012

[Japan] Tokyo, Mt. Takao, 30.v.1995, B. Normark leg., host: *Abies firma*, holotype (210102939); 5 slides, paratypes, same collection data (210102940—44).

739. *Stomaphis pterocaryae* Sorin, 2012

[Japan] Tochigi, Kobuchizawa, 23.vii.1997, Y. Matsumoto leg., host: *Pterocarya rhoifolia*, holotype and 3 paratypes (210102946); 1 slide, paratypes, same collection data (210102947); 6 slides, Tochigi, Nasushiobara, 10.x.1998, Y. Matsumoto leg., host: *Pterocarya rhoifolia*, paratypes (210102945, 210102948—52).

740. *Stomaphis quercus* (Linnaeus, 1758)

[Czechoslovakia] Distr Bratislava, 4.x.1988, A. Czylok leg., host: *Quercus robur* (210102953).

741. *Stomaphis takahashii* Sorin, 1965

[Japan] Mie, Misugi, 18.viii.1978, M. Sorin leg., host: *Acer japonicum* (210102954).

742. *Stomaphis ulmicola* Inouye, 1938

[Japan] Gunma, Minakami, 12.x.1989, Y. Matsumoto leg., host: *Ulmus japonica* (210102955).

743. *Stomaphis yanonis* Takahashi, 1918

[Japan] 2 slides, Tokyo, 26.x.1959, M. Sorin leg., host: *Celtis sinensis* (210102957, 210102958); Mie, Ise, Geku shrine, 28.x.2000, M. Sorin leg., host: *Celtis sinensis japonica* (210102962); 1 slide, 21.vii.2002, host: *Zelkova serrata*, same locality and collector (210102969); 4 slides, Mie, Ise, Kamiji, Fukagaya, 3.viii.2003, M. Sorin leg., host: *Aphananthe aspera* (210102963—66); 2 slides, Mie, Ise, Mt. Kamiji, 21.xi.2004, M. Sorin leg., host: *Celtis sinensis japonica* (210102967, 210102968); Mie, Ise, Naiku shrine, 13.xi.2004, M. Sorin leg., host: *Zelkova serrata* (210102970); Mie, Misugi, 18.viii.1978, M. Sorin leg., host: *Zelkova* sp. (210102961); Osaka, Ishibashi, 19.vii.1959, M. Sorin leg., host: *Celtis sinensis* (210102956); 1 slide, 8.xi.1959, same locality, collector and host (210102959); Osaka, Mt. Kongo, 4.ix.1963, M. Sorin leg., host: *Zelkova* sp. (210102960).

744. *Stomaphis yanonis aesculi* Takahashi, 1960

[Japan] Gifu, Sugo kogen, 21.vii.1968, M. Sorin leg., host: *Aesculum turbinata* (210102971); Mie, Osugidani, 16.x.1994, M. Sorin leg., host: *Aesculum turbinata* (210102972).

745. *Tuberolachnus salignus* (Gmelin, 1790)

[Japan] Hokkaido, Zenibako, 7.vi.1956, S. Takagi leg., host: *Salix* sp. (210102973); Niigata, Kurokawa, 8.xi.1991, K. Baba leg., host: *Salix* sp. (210102976); Hiroshima, 3.xii.1965, M. Sorin leg., host: *Salix* sp. (210102975). **[England]** Essex, Basildon, 12.xi.1965, host: *Salix* sp. (210102974).

Subfamily MINDARINAE

746. *Mindarus abietinus* Koch, 1857

[Japan] Hokkaido, Mt. Taisetsu, 7.vii.1970, Z. Yamashita leg., host: *Picea glehni* (210102977); 1 slide, 8.vii.1970, host: *Sorbus matsumurana* (210102978), 1 slide, 9.vii.1970, host: *Abies* sp. (210102979), same locality and collector.

747. *Mindarus japonicus* Takahashi, 1931

[Japan] 2 slides, Ishikawa, Mt. Hakusan, 30.vii.2002, I. Togashi leg., host: *Abies mariesii* (210102987, 210102988); Gifu, Takane-mura, 14.vii.1991, A. Miyano leg., host: *Abies mariesii* (210102982); Mie, Ise, 13.v.2000, M. Sorin leg., host: *Abies firma* (210102983); 2 slides, 14.v.2001, same locality, collector and host (210102985, 210102986); Mie, Ise, Kuratayama, 5.v.2001, M. Sorin leg., host: *Abies firma* (210102984); 1 slide, 8.v.2004, same locality, collector and host (210102989); Osaka, Kuroyama, 3.vi.1961, M. Sorin leg., host: *Cephalotaxus drupacea* (210102980); 1 slide, 6.v.1961, same locality, collector and host (210102981).

Subfamily MYZOCALLIDINAE

Tribe Calaphidini

748. *Betacallis abnicolens* Matsumura, 1919

[Japan] Ishikawa, Mt. Hakusan, 16.vii.2003, I. Togashi leg., host: *Alnus matsumurae* (210102991); 1 slide, 18.v.2004, host: *Populus maximowiczii*, same locality and collector (210102992); Mie, Ise, Shimaji, 17.vii.1976, M. Sorin leg., host: *Alnus* sp. (210102990).

749. *Betacallis odaiensis* Takahashi, 1961

[Japan] Niigata, Myoko kogen, 29.viii.1970, M. Sorin leg., host: *Betula ermanii* (210102993); Ishikawa, Mt. Hakusan, 9.x.1975, M. Sorin leg., host: *Betula grossa ulmifolia* (210102994); 1 slide, 21.viii.1981, I. Togashi leg., host: *Betula maximowicziana*, same locality (210102995).

750. *Betulaphis quadrituberculata* (Kaltenbach, 1843)

[Japan] Hokkaido, Mt. Taisetsu, 7.vii.1970, Z. Yamashita leg., host: *Betula ermanii* (210102998); 1 slide, 10.vii.1970, same locality, collector and host (210102999). **[Canada]** Quebec, 25.viii.1968, W. Quednau leg., host: *Betula papyrifera* (210102996).

752. *Boernerina alni* Takahashi, 1961

[Japan] 3 slides, Nagano, Mt. Ontake, 16.viii.1968, Z. Yamashita leg., host: *Alnus maximowiczii* (210103000—02).

752. *Boernerina alni alaskensis* Hille Ris Lambers & Hottes, 1962

[Canada] Quebec, St. Nicolas, 20.vi.1971, W. Quednau leg.,

host: *Alnus rugosa* (210103005); 1 slide, 24.x.1971, same locality, collector and host (210103004).

753. *Boernerina depressa* Bramstedt, 1940

[France] Hautes Alpes 1700 m, Ailefroide, 23.vi.1969, Remaudière & Lecl. leg., host: *Alnus criridis* (210104007); Haute Savoie 1400 m, Les Bossons, 27.vi.1977, Remaudière leg., host: *Alnus viridis* (210104008).

754. *Boernerina occidentalis* Hille Ris Lambers & Hottes, 1962

[Japan] Ishikawa, Mt. Hakusan, 27.vii.1982, I. Togashi leg., host: *Alnus maximowiczii* (210103003).

755. *Boernerina variabilis* Richards, 1961

[USA] Awl Head, 18.x.1976, Latge leg., host: *Alnus* sp. (210104009).

756. *Boernerina* sp.

[France] Haute Savoie 1750 m, Pyramides, Les Bossons, 22.ix.1966, Remaudière leg., host: *Alnus viridis* (210104010).

757. *Calaphis alni* Baker, 1916

[Unknown] 8.viii.1957, W. R. Richards leg., host: *Alnus* sp. (210103006).

758. *Calaphis betulaecolens* (Fitch, 1851)

[Canada] Quebec, 16.viii.1969, W. Quednau leg., host: *Betula papyrifera* (210103007). **[Unknown]** 5.viii.1967, W. R. Richards leg., host: *Betula* sp. (210103008).

759. *Calaphis betulicola* (Kaltenbach, 1843)

[Spain] Leon, Suarbol, 28.vi.1986, Remaudière & Nieto leg., host: *Betula* sp. (210104028).

760. *Calaphis flava* Mordvilko, 1928

[Spain] Leon, Suarbol, 28.vi.1986, Remaudière & Nieto leg., host: *Betula* sp. (210104028). *Mounted on the same slide with *C. betulicola* (210104028).

761. *Calaphis leonardi* Quednau, 1971

[USA] New Jersey, Haddonfield, vi.1968, D. L. Wintels leg., host: *Betula populifolia*, paratypes (210103012).

762. *Calaphis magnoliae* Essig & Kuwana, 1918

[Japan] 2 slides, Hokkaido, Sapporo, 21.ix.1962, M. Sorin leg., host: *Magnolia obovata* (210103015, 210103016); Tokyo, 4.x.1957, M. Sorin leg., host: *Magnolia* sp. (210103013); Mie, Iitaka cho, 25.vii.1958, M. Sorin leg., host: *Magnolia obovata* (210103014).

763. *Calaphis magnolicolens* Takahashi, 1921

[Japan] Hokkaido, Sapporo, 31.vii.1986, M. Sorin leg., host: *Magnolia obovata* (210103018); Kanagawa, Hatano, 11.vii.1969, Nakazawa leg. (210103017).

764. *Callipterinella calliptera* (Hartig, 1841)

[Japan] Iwate, Morioka, 4.viii.1960, R. Takahashi leg., host: *Betula* sp. (210103019); Tokyo, 20.vii.1963, M. Sorin leg., host: *Betula latifolia* (210103020); Niigata, Myoko kogen, 29.viii.1970, M. Sorin leg., host: *Betula platyphylla japonica* (210103021). **[Czechoslovakia]** 2 slides, Mt. Sumava, 3.ix.1993, M. Sorin leg., host: *Betula* sp. (210103022, 210103023). **[USA]** 2 slides, California, San Kandse, 15.xi.1973, R. W. Groshkow. leg., host: *Betula pendula* (210103010, 210103011); California State University, R. W. Groshkow. leg., host: *Betula pendula* (210103009); Utah, Brignam, 4.x.1968, G. F. Knowlton leg., host: Birch (*Betula* sp.) (210103024).

765. *Callipterinella tuberculata* (von Heyden, 1837)

[Germany] Berlin, 28.viii.1966, W. Quednau leg., host: *Betula verrucosa* (210103025). **[France]** Hautes Alpes, La Combe, 18.viii.1984, Remaudière leg., host: *Betula* sp. (210104030).

766. *Clethrobius comes* (Walker, 1848)

[Japan] Nagano, Kisofukushima, 2.vi.1985, M. Sorin leg., host: *Betula platyphylla japonica* (210103028). **[Germany]** Berlin, 21.vii.1953, W. Quednau leg., host: *Alnus incana* (210103027).

767. *Crypturaphis grassii* Silvestri, 1935

[France] Loos en Gohelle, 9.xi.1998, C. T. Rouve leg., host: *Alnus cordata* (210104049); Nord, Loos en Gohelle, 29.ix.1998, C. T. Rouve leg., host: *Alnus cordata* (210104050); 3 slides, 9.xi.1998, same locality, collector and host (210104051—53); Rennes Patinoire, 12.vi.1995, Turpeali leg., host: *Alnus cordata* (210104054).

768. *Euceraphis betulae* (Koch, 1855)

[Japan] 2 slides, Hokkaido, Sapporo, Jozankei, 21.ix.1962, M. Sorin leg., host: *Betula latifolia* (210103029, 210103030); Iwate, Morioka, Iwate University, 4.vi.1994, M. Sorin leg., host: *Betula platyphylla* (210103035); Tochigi, Nikko, 28.ix.1975, M. Sorin leg., host: *Betula platyphylla japonica* (210103032); Nagano, Haramura, 7.viii.1986, M. Sorin leg., host: *Betula platyphylla japonica* (210103033); Nagano, Mt. Ontake, 16.viii.1968, Z. Yamashita leg., host: *Alnus alnobetula*, syntypes of *Euceraphis ontakensis* Sorin, 1970 (210103034); Nagano, Utsukushigahara, 30.vii.1973, M. Sorin leg., host: *Betula platyphylla japonica* (210103031).

769. *Euceraphis gillettei* Davidson, 1915

[USA] California, Arcadia, 16.vi.1967, H. G. Walker leg., host: *Alnus rhombifolia* (210103036).

770. *Euceraphis mucida* (Fitch, 1856)

[USA] Connecticut, New Haven, 30.ix.1959, W. Quednau leg., host: *Betula lenta* (210103037).

771. *Euceraphis punctipennis* (Zetterstedt, 1828)

[Japan] Hokkaido, Mt. Taisetsu, 7.vii.1970, Z. Yamashita leg., host: *Picea jezoensis* (210103040); 1 slide, 11.vii.1970, host: *Betula ermanii*, same locality and collector (210103039); Nagano, Kisofukushima, 2.vi.1985, M. Sorin leg., host: *Betula platyphylla japonica* (210103041); Ishikawa, Mt. Hakusan, 17.vi.1995, M. Nakamura leg. (210103042); 1 slide, 10.vi.2000, I. Togashi leg., host: *Acer mono*, same locality (210103043). **[Canada]** Quebec, 24.vi.1964, W. Quednau leg., host: *Betula papyrifera* (210103038).

772. *Latgerina orizabaensis* Remaudière, 1981

[Mexico] 2 slides, Acajete, alt. 2100 m, 23.iv.1979, Remaudière leg., host: *Alnus arguta*, paratypes (210104083, 210104086); 2 slides, 6.ix.1979, paratypes, same locality, collector and host (210104084, 210104085).

773. *Latgerina orizabaensis mexicanus* Remaudière, 1981

[Mexico] Toruca, alt. 3450 m, 25.ix.1979, Remaudière leg., host: *Alnus* sp. (210104087); West of Rio Frio, alt. 3000 m, 8.v.1979, Remaudière leg., host: *Alnus* sp., paratypes (210104082).

774. *Monaphis antennata* (Kaltenbach, 1843)

[Japan] Ehime, Mt. Ishizuchi, 8.viii.1969, Z. Yamashita leg., host: *Betula ermanii* (210103044).

775. *Platyaphis fagi* Takahashi, 1957

[Japan] Tochigi, Nikko, Chuzenji, 28.ix.1975, M. Sorin leg., host: *Fagus* sp. (210103046); Niigata, Kurokawa, 30.vii.1992, M. Sorin leg., host: *Fagus* sp. (210103048); Mie, Kawakami, 10.ix.1967, Z. Yamashita leg., host: *Fagus* sp. (210103045); Nara, Mt. Katsuragi, 18.x.1987, M. Sorin leg., host: *Fagus crenata* (210103047).

776. *Symydobius alniarius* (Matsumura, 1917)

[Japan] Ishikawa, Mt. Hakusan, 10.viii.1979, I. Togashi leg., host: *Alnus hirsuta* (210103053); Nagano, Shiga kogen, 17.vii.1987, M. Sorin leg., host: *Alnus hirsuta* (210103052); Gifu, Hirayu, 12.viii.1959, R. Takahashi leg., host: *Alnus* sp. (210103051).

777. *Symydobius americanus* Baker, 1918

[Canada] Quebec, 25.vii.1970, Quednau leg., host: *Betula papyrifera* (210103049).

778. *Symydobius kabae* (Matsumura, 1917)

[Japan] Hokkaido, Kushiro, 30.ix.1995, M. Sorin leg., host: *Betula platyphylla japonica* (210103062); Hokkaido, Mt. Taisetsu, 10.vii.1970, Z. Yamashita leg., host: *Betula ermanii* (210103054); Tochigi, Nikko, 3.x.1971, M. Sorin leg., host: *Betula* sp. (210103055); 3 slides, Nagano, Hara mura, 8.viii.1986, M. Sorin leg., host: *Betula platyphylla japonica* (210103056, 210103059, 210103060); 2 slides, host: *Betula ermanii*, same locality, date and collector (210103057, 210103058); Gifu, Sugo kogen, 6.viii.1987, M. Sorin leg., host: *Betula* sp. (210103061).

779. *Symydobius oblongus* (von Heyden, 1837)

[Germany] Berlin, 25.viii.1966, Quednau leg., host: *Betula verrucosa* (210103050). **[France]** Pyrenees Orientales 900 m, Velmanya, 23.v.1985, Remaudière leg., host: *Betula* sp. (210104274).

Tribe Myzocallidini

780. *Chromocallis nirecola* (Shinji, 1933)

[Japan] Hokkaido, Sapporo, 19.ix.1962, M. Sorin leg., host:

Ulmus japonica (210103063); 1 slide, 31.vii.1986, same locality, collector and host (210103064).

781. *Dasyaphis rhusae* (Shinji, 1922)

[Japan] 5 slides, Yamagata, Sakata, 27.viii.2008, T. Fujii leg., host: *Juglans mandshurica sachalinensis* (210103116—18, 210103172, 210103173); Tokyo, 27.x.1958, M. Sorin leg., host: *Juglans mandshurica sachalinensis* (210103128); 2 slides, Kanagawa, Kamakura, 14.ix.2005, M. Sorin leg., host: *Juglans mandshurica sachalinensis* (210103103, 210103104); Niigata, Maki, Fukui, 3.x.2007, A. Arakawa leg., host: *Juglans mandshurica sachalinensis* (210103161); 2 slides, Niigata, Maki, Matsugooya, 3.ix.2007, A. Arakawa leg., host: *Juglans mandshurica sachalinensis* (210103160, 210103162); Niigata, Maki, Mineoka, 3.ix.2007, A. Arakawa leg., host: *Juglans mandshurica sachalinensis* (210103159); 1 slide, 3.x.2007, same locality, collector and host (210103163); 3 slides, Niigata, Mt. Yahiko, 27.vi.2008, A. Arakawa leg., host: *Juglans mandshurica sachalinensis* (210103112—14); 2 slides, Mie, Inan, Kayumi, 5.vi.2002, M. Sorin leg., host: *Juglans mandshurica sachalinensis* (210103067, 210103137); 1 slide, 6.vii.2002 (210103138), 3 slides, 10.xi.2002 (210103070, 210103071, 210103145), 1 slide, 13.ix.2003 (210104331), 1 slide, 27.ix.2003 (210104330), 4 slides, 13.x.2003 (210103083, 210103084, 210103151, 210103152), same locality, collector and host; 2 slides, Mie, Iitaka cho, Haze, 7.vii.2000, M. Sorin leg., host: *Juglans mandshurica sachalinensis* (210103129, 210103130); 1 slide, 27.ix.2001 (210103131), 2 slides, 13.x.2001 (210103132, 210103133), 2 slides, 14.x.2001 (210103134, 210103135), 1 slide, 20.xi.2001 (210103065), 2 slides, 25.v.2002 (210103066, 210103136), 1 slide, 12.vi.2002 (210103068), 2 slides, 6.vii.2002 (210103069, 210103139), 4 slides, 10.vii.2002 (210103140—43), 1 slide, 13.x.2002 (210103144), 6 slides, 6.ix.2003 (210103072—75, 210103146, 210104329), 7 slides, 27.ix.2003 (210103076—79, 210103047—49), 2 slides, 13.x.2003 (210103081, 210103082), 9 slides, 3.xi.2003 (210103091—99), 1 slide, 17.xii.2003 (210103155), 2 slides, 19.vi.2004 (210103156, 210104332), 3 slides, 23.ix.2004 (210103100—02), same locality, collector and host; 8 slides, Mie, Ise, Naiku shrine, 23.x.2003, M. Sorin leg., host: *Juglans mandshurica sachalinensis* (210103085—90, 210103153, 210103154); 3 slides, Mie, Matsusaka, Haze, 4.viii.2007, M. Sorin leg., host: *Juglans mandshurica sachalinensis* (210103105, 210103157, 210103158); 1 slide, 6.vii.2008

(210103115), 2 slides, 7.ix.2008 (210103119, 210104334), 2 slides, 23.ix.2008 (210103120, 210103174), 3 slides, 15.x.2008 (210103121, 210103122, 210103176), 1 slide, 23.v.2009 (210103126), 1 slide, 12.vi.2009 (210103127), same locality, collector and host; 2 slides, Mie, Matsusaka, Myozono, 28.ix.2003, M. Sorin leg., host: *Juglans mandshurica sachalinensis* (210103080, 210103150); 4 slides, 13.x.2007 (210103106, 210103164, 210103165, 210104333), 2 slides, 18.xi.2007 (210103107, 210103166), 1 slide, 15.xii.2007 (210103167), 3 slides, 18.v.2008 (210103108—10), 1 slide, 19.v.2008 (210103168), 1 slide, 23.v.2008 (210103111), 2 slides, 28.v.2008 (210103169, 210103170), 1 slide, 1.vi.2008 (210103171), 1 slide, 10.x.2008 (210103175), 7 slides, 2.xi.2008 (210103123, 210103124, 210103177—80, 210104335), 2 slides, 15.xi.2008 (210103125, 210103181), same locality, collector and host.

782. *Eucallipterus tiliae* (Linnaeus, 1758)

[Denmark] Copenhagen, 11.vi.1982, O. Heie leg., host: *Tilia* sp. (210103783).

783. *Hoplochaetaphis zachvatkini* (Aizenberg & Moravskaja, 1950)

[Turkey] 2 slides, 9.x.1962, Remaudière leg., host: *Quercus tatvan* (210104071, 210104072).

784. *Mesocallis pteleae* Matsumura, 1919

[Japan] 4 slides, Hokkaido, Shikotsuko, 23.ix.1962, M. Sorin leg., host: *Ostrya japonica* (210103184—87); 2 slides, Iwate, Morioka, 30.ix.1974, M. Sorin leg., host: *Corylus heterophylla thunbergii* (210103182, 210103183); Mie, Ise, Mt. Kamiji, 19.vi.2005, M. Sorin leg., host: *Carpinus laxiflora* (210103190); Osaka, Chihaya, 3.viii.1966, M. Sorin leg., host: *Alnus* sp. (210103189); Hyogo, Kobe, Mt. Maya, 21.viii.1958, M. Sorin leg., host: *Alnus firma sieboldiana* (210103188).

785. *Mesocallis sawashibae* (Matsumura, 1917)

[Japan] Mie, Iitaka cho, Oda, 26.vii.1959, M. Sorin leg., host: *Carpinus* sp. (210103191).

786. *Myzocallis* (s. str.) *coryli* (Goeze, 1778)

[Denmark] Copenhagen, Emdrup, 22.vi.1982, O. Heie leg., host: *Corylus avellana* (210103792). **[France]** La Varenne, 15.vi.1986, Remaudière leg., host: *Corylus avellana* (210104133).

[Canada] Ontario, Ottawa, 22.vi.1961, E. H. N. Smith leg. (210103194).

787. *Myzocallis* (s. str.) *occidentalis* Remaudière & Nieto Nafria, 1974

[Unknown] iii.1986, Remaud. & Nieto leg. (210104134).

788. *Myzocallis* (*Agrioaphis*) *castanicola* Baker, 1917

[Spain] Leon, Suarbol, 28.vi.1986, Remaud. & Nieto leg., host: *Quercus pyrenaica* (210104132).

789. *Myzocallis* (*Lineomyzocallis*) *bellus* (Walsh, 1862)

[Canada] Ontario, Richards Landing, 8.viii.1961, W. R. Richards leg., host: Red oak (*Quercus rubra*) (210103201).

790. *Myzocallis* (*Lineomyzocallis*) *melanocera* Boudreaux & Tissot, 1962

[Canada] Ontario, Chambera, 10.vi.i.1962, R. Richards leg., host: Red oak (*Quercus rubra*) (210103200).

791. *Myzocallis* (*Lineomyzocallis*) *walshii* (Monell, 1879)

[Canada] Ontario, Delhi, 14.vii.1962, W. R. Richards leg., host: Red oak (*Quercus rubra*) (210103205).

792. *Myzocallis* (*Neomyzocallis*) *asclepiadis* (Monell, 1879)

[Canada] Ontario, Golden, 3.ix.1955, W. R. Richards leg., host: *Asclepias* sp. (210103196).

793. *Myzocallis* (*Neomyzocallis*) *discolor* (Monell, 1879)

[Canada] Ontario, Normandak, 9.vii.1956, W. R. Richards leg. (210103195). **[USA]** Florida, Lauderdale, 7.ii.1997, W. Quednau leg., host: *Quercus virginiana* (210103199).

794. *Myzocallis* (*Neomyzocallis*) *punctatus* (Monell, 1879)

[Canada] Manitoba, Winnipeg, 11.vi.1941, G. A. Bradley leg., host: *Mostycup* sp. (210103202); Ontario, Belleville, 20.ix.1950, R. Wicus leg., host: *Quercus macrocarps* (210103204).

795. *Myzocallis* (*Neomyzocallis*) *tuberculatus* Richards, 1965

[Canada] Ontario, Mountain Grove, 20.v.1982, W. Quednau leg., host: *Quercus alba* (210103197); 1 slide, 21.vii.1987, same locality, collector and host (210103198); Quebec, Woodslee, 7.vii.1962, W. R. Richards leg., host: White oak (*Quercus* sp.) (210103203).

796. *Neochromaphis carpinicola* Takahashi, 1921

[Japan] Mie, Iitaka cho, Oda, 25.vii.1959, M. Sorin leg., host: *Carpinus* sp. (210103206); Mie, Ise, Kamiji, 10.viii.2000, M. Sorin leg., host: *Carpinus* sp. (210103207); 1 slide, 3.v.2002, host: *Carpinus laxiflora* (210103208), 2 slides, 11.x.2002, host: *Carpinus laxiflora* (210103209, 210103210), same locality and collector; Mie, Ise, Kamiji, Asahidani, 3.viii.2003, M. Sorin leg., host: *Carpinus laxiflora* (210103211).

797. *Neochromaphis coryli* Takahashi, 1961

[Japan] 2 slides, Tokyo, 27.x.1958, M. Sorin leg., host: *Carpinus* sp. (210103212, 210103213); Mie, Ise, Kuratayama, 25.v.1987, M. Sorin leg., host: *Carpinus* sp. (210103214).

798. *Neosymydobius albasiphus* (Davis, 1914)

[Canada] Ontario, Grand Bend, 22.vi.1962, W. R. Richards leg., host: *Juerous macrocarpa* (210103215).

799. *Panaphis juglandis* (Goeze, 1778)

[Spain] Potes, 3.viii.1986, Remaudière & Nieto leg., host: *Juglans negia* (210104029).

800. *Pterocallis albidus* Börner, 1940

[Denmark] WI, Sunds, 20.vii.1982, O. Heie leg., host: *Alnus incana* (210103796).

801. *Recticallis alnijaponicae* Matsumura, 1919

[Japan] Ishikawa, Kanazawa, Aotani, 20.viii.1981, I. Togashi leg., host: *Alnus* sp. (210103224); Mie, Ise, Kuratayama, 31.vii.1979, M. Sorin leg., host: *Alnus* sp. (210103223); Mie, Ise, Shimaji, 4.viii.1976, M. Sorin leg., host: *Alnus firma* (210103222); 2 slides, Osaka, Hirao, 23.iv.1961, M. Sorin leg., host: *Alnus* sp. (210103218, 210103219); Osaka, Kawachinagano, Yokoyama, 3.v.1957, M. Sorin leg., host: *Carpinus* sp. (210103216); 1 slide, host: *Alnus* sp., same locality, date and collector (210103217); Osaka, Mt. Iwawaki, 20.v.1962, M. Sorin leg., host: *Alnus* sp. (210103220); Wakayama, Kimi toge, 5.vii.1963, M. Sorin leg., host: *Alnus japonica* (210103221).

802. *Shivaphis* (s. str.) *catalpinari* Quednau & Remaudière, 1985

[Japan] Kagoshima, Tanegashima Is., vii.1974, E. Manabe leg. (210103234).

803. *Shivaphis* (s. str.) *celti* Das, 1918

[Japan] Tokyo, 23.vii.1960, R. Takahashi leg., host: *Celtis* sp. (210103235); Nagano, Matsushiro, 17.vii.2004, N. Hirukawa leg., host: *Celtis sinensis japonica* (210103237); Mie, Ise, Shimaji, 4.viii.1976, M. Sorin leg., host: *Celtis* sp. (210103236).

804. *Takecallis arundicolens* (Clarke, 1903)

[Japan] Ishikawa, Mt. Hakusan, 29.ix.1980, I. Togashi leg., host: *Sasa* sp. (210103238); Miyazaki, Miyakonojo, 19.iv.1962, T. Tanaka leg., host: Bamboo (Bambusoideae gen. sp.) (210103239).

805. *Takecallis arundinariae* (Essig, 1917)

[Japan] Kanagawa, Hatano, 10.vi.1967, M. Sorin leg., host: Bamboo (Bambusoideae gen. sp.) (210103240); 2 slides, Mie, Ise, Mt. Kamiji, 13.i.2003, M. Sorin leg., host: *Carex* sp. (210103242, 210103243); 1 slide, 15.i.2003, same locality, collector and host (210103241).

806. *Takecallis sasae* (Matsumura, 1917)

[Japan] Hokkaido, Sapporo, Jozankei, 22.ix.1962, M. Sorin leg., host: *Sasa* sp. (210103245); 3 slides, Niigata, Iwafune, Asahi mura, 30.ix.1991, K. Baba leg., host: *Sasa albomarginata* (210103247—49); 1 slide, 8.x.1991, same locality, collector and host (210103250); Osaka, Mt. Iwawaki, 30.vii.1962, M. Sorin leg., host: Bamboo (Bambusoideae gen. sp.) (210103244); Okayama, 2.viii.1986, K. Kawada leg. (210103246).

807. *Takecallis taiwanus* (Takahashi, 1926)

[Japan] Kanagawa, Hatano, 12.v.1969, Nakazawa leg. (210103252); Mie, Ise, Mt. Kamiji, 12.xii.2002, M. Sorin leg., host: *Carex dispalata* (210103253); 1 slide, 30.xii.2002 (210103254), 1 slide, 13.i.2003 (210103255), 3 slides, 15.i.2003 (210103256—58), same locality, collector and host; Osaka, Mt. Iwawaki, 20.v.1962, M. Sorin leg., host: Bamboo (Bambusoideae gen. sp.) (210103251).

808. *Therioaphis* (s. str.) *alatina* Hille Ris Lambers & van den Bosch, 1964

[France] Hautes Alpes, La Grave, 20.viii.1986, Remaudière leg., host: *Ononis natrix* (210104278).

809. *Therioaphis* (s. str.) *brachytricha* Hille Ris Lambers & van den Bosch, 1964

- [Sweden]** Dir. Boda, 26.vi.1973, V. F. E. leg., host: *Lotus corniculatus* (210103259).
810. *Therioaphis* (s. str.) *ononidis* (Kaltenbach, 1846)
[France] Haute Savoie, Passy, La Motte, 10.viii.1986, Remaudière leg., host: *Ononis spinosa* (210104279).
811. *Therioaphis* (s. str.) *riehmi* (Börner, 1949)
[Spain] Leon, Palacio del Sil, 28.vi.1986, Remaud. & Nieto leg., host: *Melilotus albus* (210104280).
812. *Therioaphis* (s. str.) *trifolii* (Monell, 1882)
[Japan] Chiba, Matsudo, 7.iv.1989, M. Sorin leg., host: *Trifolium repens* (210103262); Mie, Ise, Kuratayama, 26.viii.1986, M. Sorin leg., host: *Trifolium repens* (210103260); 1 slide, 3.xi.1986, same locality, collector and host (210103261).
813. *Tiliaphis shinae* (Shinji, 1924)
[Japan] Aomori, Hakkoda, 14.viii.1967, Z. Yamashita leg., host: *Tilia maxima wieziana* (210103263).
814. *Tiliaphis shinjii* Higuchi, 1972
[Japan] 2 slides, Hokkaido, Sapporo, 31.vii.1986, M. Sorin leg., host: *Tilia japonica* (210103264, 210103265).
815. *Tinocallis* (s. str.) *kahawaluokalani* (Kirkaldy, 1907)
[Japan] Mie, Taki, Seiwa mura, 28.vii.1986, M. Sorin leg., host: *Lagerstroemia indica* (210103229); Okinawa, Naha, 10.v.1959, K. Iha leg., host: *Lagerstroemia indica* (210103230); Okinawa, Yogi, 16.vii.1966, K. Iha leg., host: *Lagerstroemia indica* (210103231). **[Paraguay]** 2 slides, 17.iii.1999, H. Kimura leg., host: *Lagerstroemia indica* (210103232, 210103233).
816. *Tinocallis* (s. str.) *caryaefoliae* (Davis, 1910)
[Canada] Ontario, Ottawa, 23.ix.1959, W. R. Richards leg. (210103266).
817. *Tinocallis* (s. str.) *saltans* (Nevsky, 1929)
[Denmark] Copenhagen, Emdrup, 20.ix.1982, O. Heie leg., host: *Ulmus glabra* (210103800).
818. *Tinocallis* (s. str.) *takachihoensis* Higuchi, 1972
[Japan] 4 slides, Osaka, Kuroyama, 12.v.1956, M. Sorin leg., host: *Ulmus* sp. (210103268—71); Osaka, near Mt. Nijo, 3.xi.1967, R. Takahashi leg., host: *Ulmus* sp. (210103267).
819. *Tinocallis* (s. str.) *ulmicola* (Matsumura, 1919)
[Japan] Hokkaido, Sapporo, 1.viii.1960, R. Takahashi leg., host: *Ulmus* sp. (210103226); 1 slide, 31.vii.1986, M. Sorin leg., same locality and host (210103225); 2 slides, Hokkaido, Sapporo, Jozankei, 22.ix.1962, M. Sorin leg., host: *Ulmus* sp. (210103227, 210103228).
820. *Tinocallis* (s. str.) *ulmifolii* (Monell, 1879)
[Canada] Ontario, Selkirk, 18.vi.1942, W. R. Richards leg., host: *Ulmus americana* (210103272).
821. *Tinocallis* (s. str.) *ulmiparvifoliae* Matsumura, 1919
[Japan] Osaka, 12.vi.1955, R. Takahashi leg., host: *Ulmus* sp. (210103273); Osaka, Mt. Nijo, 3.xi.1956, M. Sorin leg., host: *Ulmus parvifolia* (210103274).
822. *Tinocallis* (s. str.) *zelkowsae* (Takahashi, 1919)
[Japan] 3 slides, Saitama, Negishi, 23.iv.2008, S. Usuba leg., host: *Zelkova serrata* (210103284—86); Ishikawa, Tsurugi, 11.v.2001, I. Togashi leg., host: *Zelkova serrata* (210103283); 2 slides, Mie, Ise, Geku shrine, 14.iv.1969, M. Sorin leg., host: *Carpinus* sp. (210103280, 210103281); 2 slides, Osaka, Chihaya, 17.v.1959, M. Sorin leg., host: *Zelkova* sp. (210103275, 210103276); 2 slides, Osaka, Kawachinagano, 29.v.1960, M. Sorin leg., host: *Zelkova serrata* (210103277, 210103278); Osaka, Mt. Iwawaki, 20.v.1962, M. Sorin leg., host: *Lonicera japonica* (210103279); Fukuoka, Fukuoka, 19.v.1983, Yoshihara leg., host: *Zelkova serrata* (210103282).
823. *Tuberculatus* (s. str.) *quercus* (Kaltenbach, 1843)
[England] 2 slides, Surrey, Kew, 25.v.1960, V. F. Eastop leg., host: *Quercus* sp. (210103287, 210103288).
824. *Tuberculatus* (*Acanthocallis*) *japonicus* Higuchi, 1969
[Japan] Mie, Ise, Naiku shrine, 20.viii.1968, M. Sorin leg., host: *Quercus serrata* (210103295); 3 slides, Mie, Ise, Kuratayama, 14.viii.2000, M. Sorin leg., host: *Quercus serrata* (210103297—99); Mie, Ueno, 5.v.1975, T. Okawa leg., host: *Quercus acutissima* (210103296); Osaka, Hirao, 18.x.1963, M. Sorin leg., host: *Quercus serrata* (210103294); Osaka, Mt. Iwawaki, 29.v.1960, M. Sorin leg., host: *Quercus serrata*

(210103293).

825. *Tuberculatus (Acanthocallis) pilosulus* Quednau, 1996
[Japan] Niigata, Kurokawa, 22.vii.1991, M. Sorin leg., host: *Quercus serrata* (210103290); Mie, Ise, Mt. Kamiji, 10.viii.2000, M. Sorin leg., host: *Quercus serrata* (210103289); Osaka, 31.x.1955, M. Sorin leg., host: *Quercus serrata* (210103292); Osaka, Mt. Iwawaki, 29.v.1960, M. Sorin leg., host: *Quercus serrata*, paratypes (210103291).

826. *Tuberculatus (Arakawana) stigmatus* (Matsumura, 1917)
[Japan] Gifu, 10.xi.1974, Shimohata leg., host: *Quercus serrata* (210103307); 2 slides, Mie, Ise, Naiku shrine, 20.viii.1968, M. Sorin leg., host: *Quercus serrata* (210103305, 210103306); Osaka, 2.v.1954, R. Takahashi leg., host: *Quercus* sp. (210103300); 1 slide, 9.x.1956, M. Sorin leg., host: *Quercus serrata*, same locality (210103302); Osaka, Hirao, 18.x.1963, M. Sorin leg., host: *Quercus serrata* (210103304); Osaka, Mt. Iwawaki, 23.xi.1955, M. Sorin leg., host: *Quercus serrata* (210103301); 1 slide, 29.v.1960, R. Takahashi leg., same locality and host (210103303).

827. *Tuberculatus (Nippocallis) kuricola* (Matsumura, 1917)
[Japan] Kanagawa, Hatano, 11.x.1969, Nakazawa leg. (210103308); 2 slides, Niigata, Murakami, 8.x.1991, K. Baba leg., host: *Quercus crispula* (210103193, 210103310); 2 slides, Mie, Ise, 24.v.2002, M. Sorin leg., host: *Castanea crenata* (210103311, 210103312); Okayama, 7.xii.1980, M. Sorin leg., host: *Castanea crenata* (210103309).

828. *Tuberculatus (Nippocallis) pilosus* (Takahashi, 1929)
[Japan] Mie, Ise, Kuratayama, 12.v.1982, M. Sorin leg., host: *Quercus phylliraeoides* (210103315); Mie, Ise, Naiku shrine, 17.v.1972, M. Sorin leg., host: *Quercus phylliraeoides* (210103314); Osaka, Higashiyama, 23.vi.1957, M. Sorin leg., host: *Quercus phylliraeoides* (210103313).

829. *Tuberculatus (Orienttuberculoides) capitatus* (Essig & Kuwana, 1918)
[Japan] Mie, Ise, 3.vii.1975, M. Sorin leg., host: *Quercus acutissima* (210103317); 2 slides, Mie, Ise, Geku shrine, 6.x.2002, M. Sorin leg., host: *Quercus variabilis* (210103318, 210103319); Kyoto, Amanohashidate, 30.x.1957, M. Sorin leg., host: *Quercus serrata* (210103316).

830. *Tuberculatus (Orienttuberculoides) konaracola* (Shinji, 1941)

[Japan] Fukuoka, Kyushu University, 12.v.1964, V. D. Bosch leg., host: *Quercus variabilis* (210103320).

831. *Tuberculatus (Orienttuberculoides) paranaracola* Hille Ris Lambers, 1972

[Japan] Tochigi, Nikko, 23.vii.1981, M. Sorin leg., host: *Quercus crispula* (210103321).

832. *Tuberculatus (Orienttuberculoides) yokoyamai* (Takahashi, 1923)

[Japan] Niigata, Sado, 28.viii.1963, M. Sorin leg., host: *Quercus dentata* (210103322); Aichi, Kariya, 16.vi.1975, M. Sorin leg., host: *Quercus acutissima* (210103324); Mie, Ise, Kamiji, 5.xi.2002, M. Sorin leg., host: *Carex* cf. *reinii* (210103325); Mie, Ise, Maeyama, 27.vi.2004, M. Sorin leg., host: *Quercus serrata* (210103326); Osaka, 18.vii.1965, M. Sorin leg., host: *Quercus serrata* (210103323).

833. *Tuberculatus (Tuberculoides) annulatus* (Hartig, 1841)

[Denmark] NWI, Skive, 24.vii.1981, O. Heie leg., host: *Quercus robur* (210103801). **[Spain]** Leon, Suarbol, 28.vi.1986, Remaud. & Nieto leg., host: *Quercus peraea* (210104283).

834. *Tuberculatus (Tuberculoides) remaudierei* (Nieto Nafria, 1974)

[Spain] Potes, 3.vii.1986, Remaud. & Nieto leg., host: *Quercus pyrenaica* (210104284).

Subfamily NEOPHYLLAPHIDINAE

835. *Neophyllaphis* (s. str.) *podocarpi* Takahashi, 1920

[Japan] Kanagawa, Hatano, 10.vi.1967, M. Sorin leg., host: *Podocarpus chinensis* (210103330); Mie, Ise, 10.vi.1966, M. Sorin leg., host: *Podocarpus chinensis* (210103329); 3 slides, 16.viii.2008, host: *Podocarpus chinensis* (210103332—34), 1 slide, 10.vi.2001, host: *Podocarpus macrophylla* (210103331), same locality and collector; Mie, Taki, 31.v.1964, M. Sorin leg., host: *Podocarpus chinensis* (210103328); Osaka, Hirao, 12.xi.1960, M. Sorin leg., host: *Podocarpus chinensis* (210103327).

Subfamily PARACHAITOPHORINAE

836. *Parachaitophorus spiraeae* (Takahashi, 1924)
[Japan] Kanagawa, Hatano, 1.xi.1969, Nakazawa leg. (210103335); Mie, Iitaka cho, 12.v.1985, M. Sorin leg., host: *Spiraea thunbergii* (210103338); 1 slide, 15.iv.1988, same locality, collector and host (210103340); Mie, Iitaka cho, Haze, 11.xi.2000, M. Sorin leg., host: *Spiraea thunbergii* (210103341); Mie, Iitaka cho, Oda, 25.xi.1979, M. Sorin leg., host: *Spiraea japonica* (210103336); 1 slide, 7.xi.1980, same locality and collector (210103337); Mie, Mt. Takami, 18.v.1985, M. Sorin leg., host: *Spiraea cantoniensis* (210103339).

Subfamily PEMPHIGINAE

Tribe Eriosomatini

839. *Colopha kansugei* (Uye, 1924)
[Japan] 2 slides, Mie, Ise, Kamiji, 12.xii.2002, M. Sorin leg., host: *Carex* sp. (210103346, 210103347); 4 slides, Mie, Ise, Naiku shrine, 4.ix.2004, M. Sorin leg., host: *Carex* sp. (210103349—52); 2 slides, 2.x.2004, same locality, collector and host (210103348, 210103353); 2 slides, Osaka, Kobuka, 3.xi.1961, M. Sorin leg., host: *Carex* sp. (210103344, 210103345).

838. *Colophina arma* Aoki, 1977
[Japan] 5 slides, Tochigi, Shiobara, 25.viii.1971, M. Sorin leg., host: *Clematis stans* (210103356—60); Niigata, Mt. Yahiko, 27.vii.1960, R. Takahashi leg., host: *Clematis stans* (210103354); Niigata, Myoko kogen, 29.viii.1970, M. Sorin leg., host: *Clematis heracleaefolia* (210103355).

839. *Colophina clematis* (Shinji, 1922)
[Japan] 4 slides, Ishikawa, Yoshinodani, 25.viii.2004, I. Togashi leg. (210103364—67); 3 slides, Kumamoto, Ohe, 15.vi.1989, Y. Takizawa leg., host: *Zelkova serrata* (210103361—63).

840. *Colophina* sp.
[Japan] Tochigi, Shiobara, 23.viii.1971, M. Sorin leg., host: *Clematis stans* (210103368).

841. *Eriosoma auratum* Akimoto, 1983
[Japan] Mie, Iitaka cho, Oda, 7.xi.1980, M. Sorin leg. (210103369).

842. *Eriosoma harunire* Akimoto, 1983
[Japan] Mie, Iitaka cho, Haze, 14.x.2001, M. Sorin leg., host: *Juglans mandshurica sachalinensis* (210103370).

843. *Eriosoma japonicum* (Matsumura, 1917)
[Japan] 2 slides, Osaka, 20.iv.1959, M. Sorin leg., host: *Ulmus* sp. (210103371, 210103372); Osaka, Kuroyama, 26.v.1959, M. Sorin leg., host: *Ulmus* sp. (210103373).

844. *Eriosoma lanigerum* (Hausmann, 1802)
[Japan] 2 slides, Aomori, ix.1959 (210103374, 210103375); Aomori, Fujisaki, 29.ix.1959, A. Toyoshima leg., host: *Malus sieboldii* (210103376). **[Nepal]** 2 slides, Kathmandu, Kirutiple, 11.v.1995, T. Sugiura leg., host: *Malus pumila* (210103377, 210103378).

845. *Eriosoma lanuginosum* (Hartig, 1839)
[Afganistan] 4 slides, Kabul, 26.vi.1960, R. Yoshii leg., host: *Ulmus* sp. (210103379—82). **[England]** London, vi.1965, Thackera leg., host: Elm (*Ulmus* sp.) (210103383).

846. *Eriosoma patchiae* (Börner & Blunck, 1916)
[England] 2 slides, Harpenden, Herts, 23.vi.1958, J. P. Doncaster leg., host: *Ulmus* sp., causing galls (210103384, 210103385).

847. *Eriosoma yangi* Takahashi, 1939
[Japan] Osaka, Habikino, 28—30.v.1971, Y. Kimura leg. (210103387); 1 slide, 31.v.1971 (210103386), 1 slide, 1.vi.1971 (210103388), 1 slide, 4.vi.1971 (210103389), same locality and collector; 3 slides, Nara, Kashihara, 7.vi.1981, M. Sorin leg., host: *Ulmus parvifolia* (210103390—92).

848. *Kaltenbachiella elsholtziae* (Shinji, 1936)
[Japan] Iwate, Morioka, 30.ix.1974, M. Sorin leg., host: *Elsholtzia ciliata* (210103393).

849. *Kaltenbachiella japonica* (Matsumura, 1917)
[Japan] 2 slides, Hokkaido, Sapporo, 1.viii.1960, R. Takahashi leg., host: *Ulmus* sp. (210103394, 210103395); 1 slide, 31.vii.1986, M. Sorin leg., host: *Ulmus davidiana japonica*, same locality (210103397); Mie, Ichishi, Misugi, 2.xi.1965, Z. Yamashita leg. (210103396).

850. *Paracolopha morrisoni* (Baker, 1919)

Tribe Fordini

[Japan] Mie, Ise, 1—10.xii.1995, M. Sorin leg. (210103400); 1 slide, 27.v.1976, host: *Zelkova* sp. (210103398), 1 slide, 9.v.1977, host: *Zelkova* sp. (210103399), same locality and collector; Mie, Matsusaka, Myozono, 18.v.2008, M. Sorin leg., host: *Juglans mandshurica sachalinensis* (210103404); 4 slides, 23.v.2008 (210103402, 210103405—07), 3 slides, 28.v.2008 (210103403, 210103408, 210103409), same locality, collector and host; Osaka, 23.xi.1955, M. Sorin leg., host: *Sacciopsis veltchii*, root (210103401).

851. *Tetraneura* (s. str.) *ulmi* (Linnaeus, 1758)

[Japan] Osaka, 20.iv.1959, M. Sorin leg., host: *Ulmus* sp. (210103420); 1 slide, 30.iv.1959, M. Sorin leg. (210103419), 1 slide, 14.xi.1959, R. Takahashi leg. (210103421), same locality and host.

852. *Tetraneura* (*Tetraneurella*) *akinire* Sasaki, 1904

[Indonesia] Dyakariya, 11.vii.1975, A. Tanaka leg. (210103410).

853. *Tetraneura* (*Tetraneurella*) *nigriabdominalis* (Sasaki, 1899)

[Japan] Tokyo, Nishigahara, 30.viii.1950, T. Tanaka leg., host: Upland rice (*Oryza sativa*), root (210103411); Osaka, Kuroyama, 27.v.1966, M. Sorin leg., host: *Ulmus* sp. (210103413); Ehime, Matsuyama, 21.x.1962, N. Tachikawa leg., host: *Digitaria adscendens* (210103412).

854. *Tetraneura* (*Tetraneurella*) *nigriabdominalis bispina* Hille Ris Lambers, 1970

[Thailand] Chiang Mai, San Kob Tong Nua, 4.v.1978, K. Yasumatsu leg., host: Rice (*Oryza sativa*) plant (210103414).

855. *Tetraneura* (*Tetraneurella*) *polychaeta* Hille Ris Lambers, 1970

[Japan] Kagoshima, Tanegashima Is., v.1973, E. Manabe leg. (210103415); 1 slide, 20.vi.1974, host: *Saccharum officinarum*, same locality and collector (210103416).

856. *Tetraneura* (*Tetraneurella*) *sorini* Hille Ris Lambers, 1970

[Japan] Mie, Hakusan cho, 25.v.1981, M. Sorin leg., host: *Ulmus minor* (210103418); Osaka, Kuroyama, 29.v.1959, M. Sorin leg., host: *Ulmus japonica* (210103417).

857. *Asiphonella cynodonti* (Das, 1918)

[Iran] Cachan, x.1956, Mirzaibang leg., host: *Pistacia* sp. (210103422); Kuh-I-sor, alt. 2250 m, 27.ix.1955, G. Remaudière leg., host: *Pistacia* sp. (210103423).

858. *Asiphonella dactylonii* Theobald, 1923

[Japan] Mie, Ise, 27.x.1971, M. Sorin leg., host: *Zoisia japonica* (210103425); Osaka, Kuroyama, 4.x.1960, M. Sorin leg., host: *Zoisia japonica* (210103424).

859. *Baizongia pistaciae* (Linnaeus, 1767)

[USA] Idaho, Paris, 16.viii.1927, G. F. Knowlton leg., host: *Chrysothamnus nauseosus* (210104005); Utah, Curlew Valley, Kelton Pass, 1972, G. F. Knowlton leg., host: *Chrysothamnus* sp. (210104006).

860. *Formosaphis micheliae* Takahashi, 1925

[Japan] Shiga, 9.xii.1991, Y. Takizawa leg., host: *Michelia compressa* (210103429); Osaka, Otori shrine, 14.i.1962, M. Sorin leg., host: *Michelia compressa* (210103426); 1 slide, 11.iii.1962 (210103427), 1 slide, 25.vii.1962 (210103428), same locality, collector and host.

861. *Geoica lucifuga* (Zehntner, 1897)

[Japan] Okinawa, x.1982 (210103430). **[Burundi]** Kisozi, Autrique leg. (210104067).

862. *Geoica mimeuri* (Gaumont, 1930)

[Maroc] Goutritic, ix.1957, Baille leg., host: *Pistacia atlantica* (210103431).

863. *Geoica utricularia* (Passerini, 1856)

[Japan] 2 slides, Kagoshima, Yoron Is., 24.x.1973, E. Manabe leg. (210103432, 210103433).

864. *Geopemphigus floccosus* (Moreira, 1925)

[Brazil] Sao Paulo, Campinas, 7—9.iv.1971, C. L. Costa leg. (210103434).

865. *Kaburagia rhusicola* Takagi, 1937

[China] 5 slides, 3.x.1960, host: *Rhus javanica* (210103435—39).

866. *Nurudea meitanensis* (Tsai & Tang, 1946)
[China] 13.ix.1985 (210103440).
867. *Paracletus cimiciformis* von Heyden, 1837
[Japan] Chiba, 30.vi.1965, A. Naito leg., host: *Orchard grass*, root (210103442); Tokyo, Setagaya, 23.vi.1962, A. Watase leg., host: *Echinochloa crusgalli* (210103441).
868. *Rectinasus buxtoni* Theobald, 1914
[Iran] Kuri Boutsu, 25.ix.1955, G. Remaudière leg., host: *Pistacia khinjuk* (210103443).
869. *Schlechtendalia chinensis* (Bell, 1851)
[Japan] 10 slides, Niigata, Mt. Yahiko, 25.x.2007, A. Arakawa leg., host: *Rhus javanica* (210103449—58); Mie, Ise, Naiku shrine, 21.x.1984, M. Sorin leg., host: *Rhus javanica* (210103448); Osaka, Hirao, 2.xi.1963, M. Sorin leg., host: *Rhus* sp. (210103447); Hyogo, Kobe, xii.1955, K. Matsushima leg., host: *Rhus javanica* (210103446).
870. *Slavum esfandiarii* Davatchi & Remaudière, 1957
[Iran] 2 slides, Chiox, xi.1954, A. Dovatchi leg., host: *Pistacia mutica*, paratypes (210103444, 210103445).
871. *Smynthuroides betae* Westwood, 1849
[Burundi] Rwigura, 1983, Autrique leg. (210104269).
- Tribe Pemphigini
872. *Pachypappa tremulae* (Linnaeus, 1761)
[Scotland] 5 slides, Inverness, Glen Urquhart, 30.vi.1965, J. P. Doncaster leg., host: *Aspen* sp. (210103459—63).
873. *Pemphigus dorocola* Matsumura, 1917
[Japan] Nagano, 5.vi.1986, Y. Matsumoto leg., host: *Populus* sp. (210103466); 2 slides, Mie, Kameyama, 10.vii.1979, M. Sorin leg., host: *Populus* sp. (210103464, 210103465).
874. *Pemphigus populinigrae* (Schrank, 1801)
[France] Gironde, Landiras, 4.vii.1985, Remaudière leg., host: *Filago* sp. (210104149).
875. *Prociphilus* (s. str.) *bumeliae* (Schrank, 1801)
[Belgium] 12.vi.1986, Quinet leg., host: *Pruxinus* sp. (210103467). **[France]** 5 slides, Haute Savoie, Passy, La Combe, 25.x.1995, G. Remaudière leg. (210103468—72).
876. *Prociphilus* (s. str.) *fraxini* (Fabricius, 1777)
[France] Alpes de Haute Provence, SW. Serres, 15.vi.1968, G. Remaudière leg., host: *Fraxinus* sp. (210103510); Savoie, Iae du Bourger, 15.vi.1968, Remaudière & Thoiz. leg., host: *Fraxinus exelsion* (210103509).
877. *Prociphilus* (s. str.) *kuwanai* Monzen, 1927
[Japan] 2 slides, Ishikawa, Nonoichi, 23.v.1991, I. Togashi leg., host: *Pyrus* sp. (210103473, 210103474).
878. *Prociphilus* (s. str.) *ligustrifoliae* (Tseng & Tao, 1938)
[Japan] Tokyo, 30.v.1980, S. Usuba leg., host: *Ligustrum* sp. (210103475); 2 slides, Tokyo, 2.vi.1981, T. Sorin leg., host: *Ligustrum lucidum* (210103477, 210103478); 2 slides, 19.xi.1980, same locality, collector and host (210103479, 210103480); Kanagawa, Kamakura, 3.vi.1996, M. Sorin leg., host: *Ligustrum lucidum* (210103483); Mie, Hakusan cho, 8.xii.1985, M. Sorin leg., host: *Ligustrum lucidum* (210103481); Mie, Iitaka cho, Oda, 7.xi.1980, M. Sorin leg. (210103476); Mie, Ouchiyama, 14.xii.1985, M. Sorin leg., host: *Ligustrum* sp. (210103482).
879. *Prociphilus* (s. str.) *oriens* Mordvilko, 1935
[Japan] Iwate, Morioka, Iwate University, 4.vi.1994, M. Sorin leg., host: *Fraxinus japonica* (210103491); Saitama, Negishi, Mizumoto, 25.iv.2008, S. Usuba leg., host: *Chionanthus retusus* (210103492); Tokyo, 29.iv.1962, A. Watase leg., host: *Sophora japonica* ? (210103484); 4 slides, Yamanashi, Minami-Alpus, Kaminose, 22.v.2011, S. Usuba leg., host: *Fraxinus japonica* (210103493—96); Mie, Ise, Geku shrine, 2.v.1976, M. Sorin leg., host: *Chionanthus retusus* (210103485); 5 slides, 11.v.1976, same locality, collector and host (210103486—90).
880. *Prociphilus* (s. str.) *osmanthae* Essig & Kuwana, 1918
[Japan] Kanagawa, Kamakura, 3.vi.1996, M. Sorin leg., host: *Osmanthus fragrans* (210103502); Mie, Ise, 14.v.1968, M. Sorin leg., host: *Osmanthus illicifoteus* (210103500); Mie, Tsu, Katada, 26.xii.1988, I. Goto leg., host: *Pinus densiflora*, root (210103501); Osaka, 1.xii.1959, R. Takahashi leg. (210103498); Osaka, Hirao, 15.v.1955, M. Sorin leg., host: *Osmanthus fragrans* (210103497); Osaka, Otori shrine, 14.i.1962, M. Sorin

leg., host: *Osmanthus fragrans* (210103499).

881. *Prociphilus* (*Paraprociphilus*) *baicalensis* (Cholodkovsky, 1931)

[Japan] 5 slides, Ishikawa, Mt. Hakusan, 17.x.2000, I. Togashi leg., host: *Alnus pendula* (210103511—15); Yamanashi, Masuho, Hirabayashi, 13.ix.2002, S. Usuba leg., host: *Alnus firma* (210103516).

883. *Prociphilus* (*Stagona*) *pini* (Burmeister, 1835)

[Japan] Tokyo, 15.v.1962, J. Minamikawa leg., host: Apple (*Malus pumila*) (210103505); Mie, Ise, Kuratayama, 15.v.1978, M. Sorin leg., host: *Malus micromalus* (210103507); Mie, Suzuka, 20.xii.1968, A. Kitamura leg., host: *Pinus thunbergii*, root (210103506); 2 slides, Osaka, Kuroyama, 8.v.1961, M. Sorin leg., host: *Malus halliana* (210103503, 210103504).

883. *Prociphilus* (*Stagona*) *ushikoroshi* Shinji, 1924

[Japan] Osaka, Hirao, 15.v.1960, M. Sorin leg., host: *Pourthiaea* sp. (210103508).

884. *Thecabius affinis* (Kaltenbach, 1843)

[France] Herault, S. Moureze 1 km, 16.v.1985, Remaudière leg., host: *Ranunculus balbosus* (210104277). **[Spain]** 2 slides, 12 km noth of Leon, 1.vii.1986, Remaudière leg., host: *Populus nigra* (210104275, 210104276).

Subfamily PHYLLAPHIDINAE

885. *Diphylaphis alba* Takahashi, 1960

[Japan] 2 slides, Mie, Ise, Kuratayama, 17.xii.2005, M. Sorin leg., host: *Quercus phylliraeoides* (210103518, 210103519); Fukuoka, 22.x.1961, M. Sorin leg., host: *Quercus phylliraeoides* (210103517).

886. *Diphylaphis konarae* (Shinji, 1924)

[Japan] Osaka, Hirao, 25.xi.1959, M. Sorin leg., host: *Quercus serrata* (210103521); 1 slide, 18.x.1963, same locality, collector and host (210103520).

887. *Diphylaphis microtrema* Quednau, 1971

[USA] Connecticut, New Haven, 20.ix.1959, J. Kring leg., host: *Quercus rubra*, paratypes (210103522).

888. *Diphylaphis quercus* (Takahashi, 1960)

[Japan] Mie, Ise, Kuratayama, 14.xi.2004, M. Sorin leg., host: *Quercus serrata* (210103525); Osaka, 3.xi.1955, M. Sorin leg., host: *Quercus serrata* (210103523); Hiroshima, Iwakuni, 6.x.1976, M. Sorin leg., host: *Quercus serrata* (210103524).

889. *Machilaphis machili* (Takahashi, 1928)

[Japan] 3 slides, Kanagawa, Kamakura, 8.x.2005, M. Sorin leg., host: *Persea* sp. (210103529—31); Mie, Ise, 1.xii.2005, M. Sorin leg., host: *Machilus thunbergii* (210103532); 2 slides, Mie, Ise, Kuratayama, 30.ix.2005, M. Sorin leg., host: *Machilus* sp. (210103527, 210103528); 1 slide, 17.xii.2005, host: *Machilus thunbergii*, same locality and collector (210103533); Mie, Matsusaka, 8.v.1987, M. Sorin leg., host: *Machilus* sp. (210103526).

890. *Phyllaphis fagi* (Linnaeus, 1767)

[Japan] Hokkaido, Sapporo, 24.vi.1961, S. Takagi leg., host: *Fagus crenata* (210103537); Aomori, Hakkoda, 14.viii.1967, Z. Yamashita leg., host: *Tilia* sp. (210103538); 2 slides, Saitama, Kitaurawa park, 28.iv.2006, S. Usuba leg., host: *Fagus japonica* (210103542, 210103543); Ishikawa, Mt. Fujisha, 10.v.1988, I. Togashi leg., host: *Fagus* sp. (210103540); 1 slide, 2.vi.2002, host: *Fagus crenata*, same locality and collector (210103541); Mie, Kawakami, 10.ix.1967, Z. Yamashita leg., host: *Fagus* sp. (210103539). **[England]** 3 slides, Hatfield, Herts, 13.vi.1960, Public Health leg. (210103534—36).

Subfamily PTEROCOMMATINAE

891. *Plocamaphis assetacea* Zhang, 1981

[China] 13.ix.1975, host: *Salix* sp. (210103544).

892. *Plocamaphis flocculosa brachysiphon* Ossiannilsson, 1959

[China] 12.viii.1986, host: *Salix* sp. (210103546).

893. *Plocamaphis flocculosa goernitzi* Börner, 1940

[China] Yunnan, 29.v.1980, host: *Salix* sp. (210103545).

894. *Pterocomma bailangense* Zhang, 1981

[China] 22.vi.1983 (210103547).

895. *Pterocomma pilosum konoi* Hori, 1939

[Japan] Niigata, Mikawa mura, 2.xi.1991, K. Baba leg., host:

Salix sp. (210103550); Nagano, Hara mura, 8.viii.1986, M. Sorin leg., host: *Salix bakko* (210103548); Mie, Ise, Geku shrine, 2.vi.1989, M. Sorin leg., host: *Salix* sp. (210103549).

896. *Pterocomma salicis* (Linnaeus, 1758)

[Denmark] SI, Haderslev, 4.vi.1982, PW leg., host: *Salix viminalis* (210103797).

Subfamily SALTUSAPHIDINAE

897. *Iziphya bufo* (Walker, 1848)

[France] Gironde, N. Cap Ferret 6 km, 22.v.1983, Remaudière leg., host: *Carex areuaria* sp. (210104080).

898. *Juncobia leegei* (Börner, 1940)

[France] Herault, Villeneuve les Maguelone, 20.v.1985, Remaudière leg., host: *Juncus obtusifolius* (210104079).

899. *Subsaltusaphis* (s. str.) *lambersi kamijiensis* Sorin, 2005

[Japan] 4 slide, Mie, Ise, Kamiji, 5.xi.2002, M. Sorin leg., host: *Carex* cf. *reimii* paratypes (210103551—54); 1 slide, 5.xi.2002, host: *Carex* cf. *reinii*, (210103561), 1 slide, 17.xi.2002, host: *Carex* sp. (210103562), 3 slides, 27.xi.2002, host: *Carex* cf. *reinii*, paratypes (210103555—57), 1 slide, 12.xii.2002, host: *Carex* cf. *reinii*, paratypes (210103558), 1 slide, 25.xii.2002, host: *Carex* cf. *reinii*, paratypes (210103559), 1 slide, 30.xii.2002, host: *Carex dispalata* (210103563), 1 slide, 15.i.2003, host: *Carex dispalata* (210103564), 1 slide, 30.i.2003, host: *Carex* cf. *reinii*, paratypes (210103560), 1 slide, 30.i.2003, host: *Carex* sp. (210103565), 1 slide, 20.vii.2003, host: *Carex parciflora macroglossa* (210103566), 1 slide, 1.i.2004, host: *Carex* sp. (210103567), 1 slide, 14.i.2004, host: *Carex parciflora macroglossa* (210103568), 1 slide, 24.i.2004, host: *Carex parciflora macroglossa* (210103569), 2 slides, 4.ix.2004, host: *Carex* sp. (210103570, 210103571), 3 slides, 1.x.2005, host: *Carex dispalata* (210103572—74), same locality and collector.

900. *Subsaltusaphis* (*Primoriaphis*) *pulchra* Quednau & Shaposhnikov, 1988

[Japan] 6 slides, Mie, Ise, Kamiji, 5.x.2002, M. Sorin leg., host: *Carex dispalata* (210103575—80); 1 slide, 5.xi.2002, host: *Carex dispalata* (210103581), 1 slide, 17.xi.2002, host: *Carex* sp. (210103582), 3 slides, 27.xi.2002, host: *Carex dispalata* (210103583—85), 1 slide, 12.xii.2002, host: *Carex dispalata*

(210103586), 3 slides, 25.xii.2002, host: *Carex dispalata* (210103587—89), 1 slide, 13.i.2003, host: *Carex dispalata* (210103590), 1 slide, 20.i.2003, host: *Carex dispalata* (210103597), 7 slides, 20—30.i.2003, host: *Carex* sp. (210103591—95, 210103598, 210103599), 1 slide, 4.xi.2003, host: *Carex dispalata* (210103596), 1 slide, 1.i.2004, M. Sorin leg., host: *Carex* sp. (210103600), 2 slides, 24.xi.2004, host: *Carex dispalata* (210103601, 210103602), 1 slide, 1.x.2005, host: *Carex dispalata* (210103603), same locality and collector.

901. *Thripsaphis* (*Thrichocallis*) *ossanilssoni* Hiile Ris Lambers, 1952

[Japan] Mie, Ise, Kuratayama, 22.iv.1982, M. Sorin leg. (210103604).

Subfamily THELAXINAE

902. *Glyphina betulae* (Linnaeus, 1758)

[England] 2 slides, Coneyhurst Hill, Surrey, 8.v.1960, C. A. Prezost leg., host: *Betula* sp. (210103605, 210103606).

[Denmark] Skive, 13.vii.1960, O. Heie leg., host: *Betula pubescens* (210103786).

903. *Kurisakia ailanthi* Takahashi, 1960

[Japan] Osaka, Habikino, 25.v.1975, Y. Kimura leg. (210103607).

904. *Kurisakia ailanthi sawagarumii* Sorin, 1989

[Japan] 4 slides, Iwate, Morioka, 4.vi.1994, M. Sorin leg., host: *Pterocarya rhoifolia* (210103615—18); Ishikawa, Tsurugi, 10.v.1992, I. Togashi leg., host: *Pterocarya rhoifolia* (210103614); 3 slides, Mie, Osugidani, 5.v.1987, M. Sorin leg., host: *Pterocarya rhoifolia*, syntypes (210103608—10); 2 slides, same collection data (210103611, 210103612); 1 slide, 25.vii.1987, same locality, collector and host (210103613).

905. *Kurisakia onigurumii* (Shinji, 1923)

[Japan] Nagano, Shirahone, 28.vii.1961, R. Takahashi leg., host: *Pterocarya rhoifolia* (210103620); Mie, Matsusaka, Myozono, 28.v.2008, M. Sorin leg., host: *Juglans mandshurica sachalinensis* (210103622); Osaka, 21.vi.1959, R. Takahashi leg., host: *Pterocarya* sp. (210103619); Fukuoka, Mt. Hikosan, 10.vi.1964, V. D. Bosch leg., host: *Pterocarya rhoifolia* (210103621).

906. *Kurisakia querciphila* Takahashi, 1960

[Japan] 2 slides, Aichi, Nagoya, Nagoya University, 16.v.1987, U. Kurosu leg., host: *Quercus serrata* (210103626, 210103627); 2 slides, Mie, Ise, Geku shrine, 10.vi.1999, M. Sorin leg., host: *Quercus gilva* (210103628, 210103629); Osaka, 12.v.1956, M. Sorin leg., host: *Quercus acutissima* (210103624); 1 slide, 28.v.1955, same locality, collector and host (210103623); Wakayama, vii.1969, M. Sorin leg. (210103625).

907. *Kurisakia sinocaryae* Chang, 1979

[China] Tenmokuizan, 11.v.1975 (210103630).

Inceratae sedis

908. *Watabura nishiyae* Matsumura, 1917

[Japan] Mie, Ise, Kuratayama, 3.vi.1976, M. Sorin leg., host: *Ulmus parvifolia* (210103343); Hiroshima, Kamomachi, 28.ix.1961, M. Okada leg., host: Apple (*Malus pumila*), root (210103342).

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A list of Dr. Masato Sorin's aphid collection (Insecta: Hemiptera) preserved in the Insect Museum of the National Institute for Agro-Environmental Sciences

Yukinobu Nakatani, Shin-ichi Yoshimatsu, Hiraku Yoshitake and Masahisa Miyazaki

Summary

A list of aphid specimens is provided based on the collection donated by Dr. Masato Sorin who is an emeritus professor of Kogakkan University (Ise City, Mie Prefecture), to the Insect Museum of the National Institute for Agro-Environmental Sciences. The collection contains 4,326 slides of 908 species including 42 primary types and 52 secondary types.