

522

25 MAY 1935

✓

第三卷第十五期

Vol. III, No. 15,

昆蟲與植病

ENTOMOLOGY & PHYTOPATHOLOGY

May 21, 1935.

目次 [Contents]



頁 [Page]

Liu, C.Y.	A Check List of the Coccinellidae of China [中國瓢蟲科昆蟲名錄]	294
李鳳蓀	江浙棉作害蟲之寄生及肉食昆蟲 [A List of the Parasitic and Predacious Insects of Cotton Pests in Kiangsu and Chekiang.]	304
書報介紹	(1)雲南及安南跳蝻誌(2)四川金花蟲誌(3)四川蝶類名錄(4)華產尺蠖蛾之新種(5)華產步行蟲新種(6)華南蝗蟲誌(7) <i>Neojurtina typica</i> 之生活史(8)華南 <i>Quilla</i> 屬稻蝗誌(9)華南之柑橘線蟲(10)寄生蠶蟻之綫蟲(11)天蠶蛾之性感(12) <i>Perga dorsalis</i> 之羣性(13)毛翅目之特異結構(14)鳥類於昆蟲之相對喜好度	307
本局消息	310
各縣消息	312
國內消息	312
國際消息	312

中華民國二十四年五月二十一日
 杭州浙江省昆蟲局印行
 THE BUREAU OF ENTOMOLOGY
 HANGCHOW, CHEKIANG, CHINA.

A Check List of the Coccinellidae of China

中國瓢蟲科昆蟲名錄

By Chi-Ying Liu, 柳支英

College of Agric., Univ. of Chekiang, Hangchow.

The insects of this family are of considerable economic importance since the group comprises of both beneficial and injurious forms. The utilization of *Rodolia cardinalis* in the control of *Icerya purchasi* is an example too well known among the entomologists. In China several ladybirds are known under natural conditions to keep some scale insects and aphids in check, e. g. *Rodolia limbata* on the mulberry coccid (*Drosicha contrahens* Wlk.), *Rodolia rufopilosa* on *Icerya purchasi*, *Coccinella axyridis* on the wheat aphid and *Synonycha grandis* on the bamboo aphid etc. The few examples mentioned above will suffice to show the rôle they played in nature. On the other hand, several species belonging to the genus *Epilachna* are notorious pests of Solanaceous and Cucurbitaceous plants.

Since 1929 the writer began to collect and study these little hemispherical ladybirds. The list is primarily based upon Korschefsky's catalogue on Coccinellidae (published in *Coleopterorum Catalogus* as pars 118 and 120 in 1931 and 1932 respectively) with some recent additions. It includes, however, many records which are new to China. Most of the localities were based upon the collections of the Bureau of Entomology at Nanking and at Hangchow, of the University of Chekiang and of Dr. C. F. Wu of Yen-ching University. The list contains one hundred and thirty-five species and twenty-five varieties scattered among forty-two genera and will certainly increase if proper attention is given to it.

Thruout the course of the work the writer has received the

helps from the following persons. Prof. G. P. Jung, formerly Director of the Bureau of Entomology at Nanking and Prof. F. C. Woo, formerly Director of the Bureau of Entomology at Hangchow and Mr. C. Y. Wong, Curator of the same institute, generously turned over to me the collections of the respective bureau. Dr. C. F. Wu identified for me the collection of the Bureau of Entomology at Nanking and donated a number of specimens to the same institute and supplied me a list of localities from his private collection. Mr. C. J. Yu furnished me a number of descriptions of about thirty Japanese species from Tokyo in 1930. Prof. M. Chujo of the Entomological Laboratory of Taihoku Imperial University, Formosa, sent me thirteen Formosan species from his personal collection. Dr. H. M. Armitage, Supervisor of Plant Quarantines at San Francisco, California, gave me a number of American specimens. To all of these who have assisted me in one way or another I wish to express my gratitude and appreciation.

Subfamily **EPILACHNINAE**

Genus *Ballida* Mulsant

B. brahamae Mulsant, 1850. China.

Genus *Epilachna* Redtenb.

E. acuta Ws., 1899. Kansu.

E. admirabilis Crotch, 1874. China, Hangchow, Peiping, Soochow and Chekiang.

E. adscita Mader, 1930. Szechuan.

E. bisquadripunctata Gyllenh., 1808. Hongkong.

E. bisquadripunctata herbigrada Muls., 1850. Hongkong.

E. chelonia Mader, 1933. Szechuan.

E. chinensis Weise, 1912. Fukien.

E. decemmaculata Redt., 1844. China and Tibet.

- E. hauseri* Mader., 1930. Yunnan.
E. indica Muls., 1850. China.
E. insignis Gorham, 1892. Kiukiang.
E. macularis Muls., 1850. China.
E. macularis donckieri Ws., 1912. Yunnan.
E. manderstjernae Muls., 1853. China and Szechuan.
E. ocellatae-maculatae Mader, 1930. Yunnan.
E. plicata Weise, 1889. Kansu.
E. sanscrita Crotch, 1874. Kiautschau and Kiangsi.
E. undecempilota Hope, 1831. Hongkong.
E. undecempilota dumerili Muls., 1850. Hongkong.
E. vigintioctomaculata Motsch., 1857. China and Manchuria.
E. vigintioctomaculata coalescens Mader, 1930. Szechuan.
E. vigintioctopunctata Fabr., 1775. Foochow, Hangchow, Hsuechow, Kashing, Kunshan, Kirin, Lanchi, Nanking, Nantung, Peiping, Soochow, Tsingkiangpu, Wenchow, Yuyao and N. E. Manchuria.

Subfamily **LITHOPHILINAE**

Genus *Lithophilus* Frölich

- L. kozlovi* Barovsky, 1909. Mongolia.
L. villosus Fald., 1835. N. China.

Subfamily **COCCINELLINAE**

Tribe **Noviini** Ganglb.

Genus *Novius* Muls.

- N. hauseri* Mader, 1930. Yunnan.
 Genus *Rodolia* Muls.
R. limbata Motsch., 1866. Manchuria, Peiping, Ussuri, Wusih, Tungshing and Hangchow.
R. pumila Ws., 1892. Hongkong.
R. rufopilosa Muls., 1850. China, Amoy, Taichow and Hongkong.

Tribe *Scymnini* CostaGenus *Scymnus* Kugelann

- S. brunnescens* Motsch., 1866. China.
S. inderihensis Muls., 1850. Kansu.
S. mogolicus Ws., 1890. C. Mongolia.
S. obsoletus Ws., 1890. Amdo (Tibet)
S. urgensis Jacobs., 1916. Mongolia.
S. apiciflavus Motsch., 1858. China.
S. chinensis Jord., 1894. China.

Tribe *Aspidimerini* Ws.Genus *Cryptogonus* Muls.

- C. orbiculus* Schonh., 1808. China.
C. schraki Mader, 1933. Szechuan.
C. schraki urbani Mader, 1933. Szechuan.

Tribe *Hyperaspini* CostaGenus *Hyperaspis* Redtenb.

- H. japonica* Crotch, 1874. Nanking and Hangchow.
H. reppensis Herbst, 1783. Nanking, Tsinan and Peiping.
H. sinensis Crotch, 1874. China.

Genus *Oxynychus* J. Lec.

- O. alexandrae* Ws., 1890. Mongolia.

Tribe *Pharini* CaseyGenus *Sticholotis* Crotch

- S. confucii* Muls., 1850. China and Canton.

Genus *Telsimia* Casey

- T. emarginata* Chapin, 1926. Foochow.

Tribe *Platyraspini* CaseyGenus *Platynaspis* Redt.

- P. lewisi* Crotch, 1874. China (Shanghai).
P. maculosa Ws., 1910. Futscheu.

Tribe *Chilocorini* CostaGenus *Chilocorus* Leach

- C. bijugus* Muls., 1853. S. China.
C. braeti Ws., 1895. Himalaya.
C. chalybeatus Gorb., 1892. China.
C. hauseri Ws., 1895. Yunnan.
C. kuwanae Silv., 1909. China.
C. politus Muls., 1850. China.
C. renipustulatus Scriba, 1790. Soochow.
C. rubidus Hope, 1831. China, Ussuri, Manchuria and Mongolia.
C. rubidus tristis Fald., 1835. Chekiang, Hangchow, Kashing, Hunan, Nanking, Peiping, Soochow, Nanchang and Wenchow.
C. rufitarsis Motsch., 1853. China and Shanghai.
C. similis Rossi., 1790. Hangchow, Kashing, Kunshan, Nanchang, Nanking, Peiping, Soochow, Tsingkiangpu, Tsinan and Tsingtao.

Genus *Exochomus* Redtenb.

- E. mongol* Barovsky, 1922. Mongolia.
E. semenowi Ws., 1887. Mongolia.

Genus *Brumus* Muls.

- B. jacobsoni* Barovsky, 1927. Mongolia.
B. mongolicus Fleischer, 1900. Mongolia.

Tribe *Synonychiai* WeiseGenus *Synonycha* Muls.

- S. grandis* Thunberg, 1781. Manchuria and Kwangsi (Wuchow).

Genus *Anisolemnia* Crotch

- A. dilatata* Fabr., 1775. Manchuria and Kwangsi (Wuchow).
A. major yunnana Sic., 1929. Yunnan.

Genus *Callicaria* Crotch

C. superba Muls., 1853. Tibet

Genus *Leis* Muls.

L. conformis Boisd., 1835. China.

L. dimidiata Fabr., 1781. China.

Genus *Aiolocaria* Crotch.

A. hexaspilota Hope, 1831. China, Tibet, Chenshien Tungyang and Lanchi.

A. mirabilis Motsch., 1860. Amur, Central and North China.

A. mirabilis innocens Mader, 1931. Yunnan.

Genus *Ballia* Muls.

B. eucharis Muls., 1853. South China.

B. korschefskyi Mader, 1933. Yunnan.

Genus *Callineda* Crotch

C. sedecimnotata Fabr. 1801. Hongkong.

Genus *Oenopia* Muls.

O. blüthgeni Mader, 1933. Yunnan.

O. emmerichi Mader, 1933. Szechuan.

O. hauseri Mader, 1930. Szechuan.

O. hauseri coalescens Mader, 1930. Szechuan.

O. luteopustulata Muls., 1850. —Tibet.

O. luteopustulata thibetina Muls., 1853. Tibet.

Genus *Coelophora* Muls.

C. approximans Crotch, 1874. China.

C. biplagiata Swartz, 1808. China, Foochow, Kuliang, Pingyang and Manchuria.

C. biplagiata melanota Muls., 1850. Tibet.

C. chinensis Ws., 1912. China and Hangchow.

C. circumusta Muls., 1850. South China and Hongkong.

C. congener Schönh., 1808. Foochow.

- C. duvauceli* Muls., 1850. South China, Hongkong and Shanghai.
- C. inaequalis* Fabr., 1775. China.
- C. korschefskeyi* Mader, 1930. Yunnan.
- C. mouhoti* Crotch, 1874. China.
- C. pupillata* Swartz, 1808. China.
- C. saucia swinhoii* Crotch, 1874. Changsha, Foochow, Haichow, Hangchow, Kashing, Kunshan, Nanking, Nantung, Pingyang, Siashu, Soochow, Tsinan, Tsingkiangpu, Yuyao, Fenghwa and Chowsan.
- C. subustulata* Gorh., 1891. South China.
- C. westmanni* Muls., 1850. China.
- Genus *Chilomenes* Chevr.
- C. quadriplagiata* Swartz, 1808. Foochow and Manchuria.
- C. sexmaculata* Fabr., 1781. Foochow.
- Genus *Verania* Muls.
- V. allardi malaccensis* Crotch, 1866. China.
- V. discolor* Fabr., 1798. Amoy, Foochow and Hainan.
- Tribe *Coccinellini* Weise
- Genus *Macronaemia* Casey
- M. hauseri* Ws., 1905. Yunnan.
- M. hauseri communicata* Mader, 1929. Yunnan.
- Genus *Hippodamia* Muls.
- H. heydeni* Ws., 1892. Tibet.
- H. rickmersi* Ws., 1901. Sinkiang.
- H. tredecimpunctata* Linn., 1758. Hangchow, Kashing, Kunshan, Nanking, Peiping, Soochow, Tsinan, Tsingkiangpu, Tienmoshan and Tsingtao.
- Genus *Adonia* Muls.
- A. amoena* Fald., 1835. Mongolia.
- A. variegata* Goeze, 1777. China and Peiping.

A. variegata grundmanni Mader, 1931. China.

A. variegata thoracica Ws., 1889. Mongolia.

A. weisei Friv., 1892. North China.

Genus *Spiladelphia* Sem. & Dobz.

S. longula Barovsky, 1925. Tibet.

Genus *Semidalia* Cr.

S. obenbergeri Barovskii, 1928. Szechuan.

S. potanini Ws., 1889. Kansu.

S. potanini bella Mader, 1933. Kansu.

S. potanini completa Mader, 1933. Kansu.

Genus *Anisosticta* Duponch.

A. undevigintipunctata Linn., 1758. Peiping.

Genus *Aages* Barovsky

A. prior Barovsky, 1926. South and East Mongolia.

Genus *Tytthaspis* Crotch

T. trilineata Ws., 1889. Tibet.

Genus *Adalia* Muls.

A. bipunctata Linn., 1758. China, Peiping and Soochow.

A. bipunctata inaequalis Ws., 1879. Peiping.

A. lenticula Gorb., 1892. Central China.

A. luteopicta Muls., 1866. China.

Genus *Coccinella* Leach.

C. arcuata Fabr., 1787. Peiping.

C. axyridis Pallas, 1773. Amur, North Mongolia, Manchuria, Hopei, Shansi, Kansu, Szechuan, Nanking, Hangchow, Soochow, Taichow, Siashu, Nantung, Kuling, Changsha, Tsiashiashan, Hsuehchow, Kirin, Tsingkiangpu, Kunshan, Yuyao, Kashing, Peiping, Hunan, Foochow, Lanchi, Tsingtao, Tsinan, Tsingkiang, Chukee, Ningpo and Shantung.

C. axyridis aulica Faldermann, 1835. Manchuria, North and Central China.

- C. axyridis novemdecimsignata* Fald., 1835. Amur, Manchuria, North and Central China.
- C. axyridis spectabilis* Fald., 1835. North China, Manchuria and Amur.
- C. bissexnotata* Muls., 1850. China.
- C. conglobata* Linn., 1758. Siao-shan.
- C. conglobata buphthalmus* Muls., 1850. Tibet.
- C. conglobata conjuncta* J. Müll., 1901. Peiping.
- C. conglobata desertorum* Rybakow, 1889. Mongolia.
- C. divaricata dobzhunskii* Mader, 1931. Kansu.
- C. elegantula* Ws., 1890. Mongolia.
- C. magnopunctata* Rybakow, 1889. Tibet.
- C. mannerheimi* Muls., 1850. Mongolia and Amur.
- C. quatuordecimpunctata sinensis* Ws., 1889. China and Amur.
- C. reitteri* Ws., 1891. Sungari.
- C. repanda* Thunberg, 1781. Amoy, Foochow, Hainan and Central China.
- C. saucerotti klingenbergi* Künemann, 1917. Sungari.
- C. septempunctata* Linn., 1758. Foochow, Fucheng, Kashing, Kunshan, Hangchow, Lanchi, Nanchang, Nanking, Peiping, Peitaiho, Soochow, Tsinan, Kuyang, Hsuehchow, Siashu, Kinghwa, Changsha, Nantung, Taichow, Sienku, Chowsan and Shiuyen.
- C. septempunctata brucki* Muls., 1866. China.
- C. transversoguttata* Fald., 1835. North China.
- C. transversoguttata biinterrupta* Mader, 1930. Szechuan.
- C. trifasciata* Linn., 1758. Tibet, Mongolia, Manchuria and Amur.
- C. withi* Muls., 1850. Mongolia, Sungari and Amur.
- Genus *Sospita* Muls.
- S. chinensis* Muls., 1850. Hongkong and Foochow,

Genus *Calvia* Muls.

- C. albolineata* Schönh., 1808. China.
C. hawseri Mader, 1930. Szechuan.
C. lewisii Crotch, 1874. Foochow.
C. sicardi Mader, 1930. Szechuan.

Genus *Propylaea* Muls.

- P. japonica* Thunberg, 1781. Chekiang, Hangchow, Kashing, Kunshan, Nanking, Nantung, Peiping, Soochow, Siashu, Tsinan, Tsingtao, Tsiashan, Tsingkiangpu, Lanchi, Ussuri, Manchuria and Kuling.
P. japonica dionea Muls., 1856. China.
P. quatuordecimpunctata Linn., 1758. Nanking, Tsingkiangpu, Yangchow, Hangchow, Tsiashan, Nantung, Kunshan, Kashing, Peiping, Soochow, Lanchi, Foochow and N. E. Manchuria.

Tribe *Psylloborini* CaseyGenus *Illeis* Muls.

- I. cincta* Fabr., 1798. Soochow and Hainan.

Genus *Thea* Muls.

- T. vigintiduopunctata* Linn., 1758. Peiping.

Genus *Halysia* Muls.

- H. hauseri* Mader, 1930. Yunnan and Hupeh.
H. albolineata Gyll., 1808. Amoy, Foochow and Hainan.
H. korschefskyi Mader, 1930. Yunnan.
H. quindecimguttata septenaria Muls., 1866. China.

Genus *Vibidia* Muls.

- V. duodecimguttata* Poda, 1761. Peiping and Soochow.

A list of Localities and their Romanization in this paper. Amdo 西藏地名 Amoy 廈門 Amur 黑龍江 Canton 廣州 Changsha 長沙 Chensien 嵯縣 Chowshan 舟山 Chukee 瀘豐 Fanghwa 奉化 Foochow 福州 Fucheng 附城 Fukien 福建 Futscheu 福州 Haichow 海州 Hainan 海南島 Hangchow

杭州 Himalaya 喜馬拉雅山 Hongkong 香港 Hopei 河北 Hsuchow 徐州
 Hunan 湖南 Hupeh 湖北 Kansu 甘肅 Kashing 嘉興 Kiangsi 江西
 Kiautschau 膠州 Kinghwa 金華 Kirin 吉林 Kiukiang 九江 Kuliang 鼓嶺 (福建)
 Kuling 牯嶺 Kunshan 崑山 Kuyang 瀋陽 Lanchi 蘭谿 Manchuria
 東三省 Mongolia 蒙古 Nanchang 南昌 Nanking 南京 Nantung 南通
 Ningpo 甯波 Peiping 北平 Peitaiho 北戴河 Pingyang 平陽 Shanghai 上海
 Shansi 山西 Shantung 山東 Shuyen 綏遠? Siao-shan 蕭山 Siashu 下蜀
 Sienku 仙居 Sinkiang 新疆 Soochow 蘇州 Sungari 松花江 Szechuan 四川
 Taichow 台州 Tibet 西藏 Tienmoshan 天目山 Tsinan 濟南 Tsingkiang 靖
 江 Tsingkiangp1 清江浦(淮陰) Tsingtao 青島 Tsiashiashan 棲霞山(南京)
 Tungshing 桐鄉 Tungyang 東陽 Ussuri 烏蘇里河 Wenchow 溫州 Wuchow
 梧州 Wusih 無錫 Yangchow 揚州 Yunnan 雲南 Yuyao 餘姚

江浙棉作害蟲之寄生及肉食昆蟲

A List of the Parasitic and Predacious Insects of Cotton Pests in Kiangsu and Chekiang.

李鳳藻 (浙江省昆蟲局蚊蠅研究室) By Li, Feng-swen.

Abstract This List consists of 55 beneficial speices and most of them are the result of 4 years collection (1930-1933) of the writer in the cotton fields in Kiangsu and Chekiang.

棉作害蟲之生物防治，年來日益受人注意。如1928年加拿大由歐洲輸入寄生於粟野螟蛾之小繭蜂 *Microbracon brevicornis* Westw 3,274,500 隻，蘇丹由剛崖 (Kenya) 輸入寄生於紅鈴蟲之小繭蜂 *Microbracon kirkpatrick*, 1929年檀香山由臺灣輸入寄生於金龜子 *Adoretus sinicus* 之土蜂等，均其榮榮大者。作者往昔主持江蘇省昆蟲局棉蟲研究所時，曾於重要棉蟲之天敵，加以特別注意 (中國棉蟲之已知者達116種，而重要者僅餘20餘種，詳見本局民國二十二年年刊第185—187頁)，來浙後雖改行從事蚊蠅之探討，然仍於公暇繼續此項天敵之採集及觀察。下表即為1930—1933年四年間之結果，共55種，其中以黑蛹寄生蜂 *Sympiesis* sp. 及小繭蜂 *Microbracon* spp. 諸種尤為重要，目有人工保護及繁殖之必要。後者前在江蘇南通時曾見該地之越冬紅鈴蟲幼蟲，受其寄生者達45%，而捲葉蟲幼蟲之為

前者寄生者亦達43%。又表中所列江浙以外各地所產之諸種，係乃參考而得。

種名 (Species)	分佈 (distribution*)	寄主 (hosts*)
小蘗蜂科 (Braconidae)		
<i>Apanteles opacus</i> Ash.	浙：蕭山；蘇：南通 C. K.	S.
<i>Apanteles thompsoni</i> Lyle	浙：杭州；東三省：閩島 Ea.	Py.
<i>Macrocentrus Philippinensis</i> Ash.	浙：杭州；蘇：無錫 C. K.	E.
<i>Meterus japonicus</i> Ash.	浙：杭州，蕭山；蘇：無錫，南通 C. K.	S.
<i>Microbracon isomera</i> Cush	浙：杭州；蘇：南通 C. K.	P.
<i>Microbracon nigrorufum</i> Cush.	浙：杭州；蘇：南通 C. K.	P.
<i>Microbracon onukii</i> Watan.	浙：蕭山；蘇：南通 C. K.	P.
<i>Microgaster tibialis</i> Nees.	東三省：閩島 Ea.	Py.
<i>Phaenotoma</i> sp. n.	浙：蕭山 C.	S.
<i>Phaenotoma philippinensis</i> Ash.	浙：杭州 C.	S.
<i>Rhogas japonicus</i> Ash.	浙：杭州，蕭山 C.	P.
小蜂科 (Chalcidae)		
<i>Anagrus</i> sp.	國：福州	Pze.
<i>Brachymeria euplocae</i> Westw.	浙：蕭山 C.	Py.
<i>Brachymeria obscurata</i> Wlk.	浙：蕭山 C.	S., P., Bo., An., He.
<i>Dibrachys cecus</i> Wlk.	浙：杭州 C.	P.
<i>Hicrocytus</i> sp.	東三省 Ea.	P.
<i>Symplesis</i> sp.	浙：蕭山；蘇：南通 C. K.	S., Ecr.
<i>Eurytoma</i> sy.	華北 N.	P., S.
細長小蜂科 (Elasmidae)		
<i>Elasmus philippinensis</i> Ash.	浙：蕭山 C.	P., Ear.
姬蜂科 (Ichneumonidae)		
<i>Bassus laetclivus</i> Fabr.	全國普遍	M.
<i>Cremastrus flavo-orbitalis</i> Cam.	浙：杭州 C.	Py.
<i>Epiurus persimilis</i> Ash.	魯：濟南 S.	S.
<i>Eulimneria alcae</i> Ell et Sacht.	東三省：閩島 Ea.	Py.
<i>Henicospilus striatus</i> Cam.	華南 S.	O.
<i>Inareolata punctoria</i> Roman.	東三省：閩島 Ea.	Py.
<i>Melopus rufus</i> Cam.	浙：杭州；粵：香港 C. Kw.	Pr.
<i>Panicus orientalis</i> Cam.	浙：杭州 C.	Pr.

<i>Ophion pungens</i> Smith	蘇：南通 K.	Ag.
<i>Pimpla</i> sp.	中國 Ch.	P.
<i>Pristomerus</i> sp.	浙：蕭山 C.	P.
<i>Pristomerus vulnerator</i> mats.	魯：青島 Sh.	P.
<i>Xanthopimpla punctata</i> Fabr.	浙：杭州，蕭山；蘇：無錫； 粵：香港 C. K., Kw.	S.
黃金小蜂科 (Pteromalidae)		
<i>Anysis salsetiae</i> Ash.	粵：九龍，廣州，汕頭；閩：廈門 Kw., F.	Sa.
寄生蠅科		
<i>Lydella grisescens</i> R.-D.	冀：北平；東三省：閩島 Ho. Ea	Py.
<i>Nemorilla floralis</i> Fall.	東三省：閩島 Ea.	Py.
<i>Phorocera erecta</i> Coq.	東三省：閩島 Ea.	Py.
蠟蛾科 (Forficulidae)		
<i>Lebidura riparia</i> Palis.	浙：蕭山；蘇：南通 C. K.	S.
螳螂科 (Mantidae)		
<i>Hierodula trimaculata</i> Saus.	浙：蕭山 C.	S.
<i>Jenodera cridifolia</i> Stoll.	浙：蕭山 C.	S.
食蚊蠅科 (Syrphidae)		
<i>Megaspis zonata</i> Fabr.	浙：蕭山 C.	Ap.
<i>Sphaerophoria</i> sp.	浙：蕭山 C.	Ap.
<i>Sphaerophoria indiana</i> Big.	中國 Ch.	Ap.
<i>Syrphus confrator</i> Wied.	中國 Ch.	Ap.
<i>Syrphus corollae</i> Fabr.	蘇：上海 K.	Ap.
瓢蟲科 (Coccinellidae)		
<i>Coccinella septempunctata</i> L.	全國普遍 Th.	Ap.
<i>Ceolophora swinhoet</i> Cr.	浙：湖；閩；蘇 C. H. F. K.	Ap.
<i>Hippodamia tredecimpunctata</i> L.	浙；蘇；冀；魯 C. K. Ho. Sh.	Ap.
<i>Hyperaspis reppensis</i> Her.	蘇；冀 K. Ho.	Ap.
<i>Propylea japonicus</i> Thum.	浙；蘇；冀 C. K. Ho.	Ap.
<i>Ptychanalis caryidis</i> Pall.	華北；華中；華西 N. C. W.	Ap.
<i>Rodolia</i> sp.	閩：福州 F.	ic.
<i>Scymnus</i> sp.	浙：蕭山 C.	Ap.
<i>Synharmonia conglobata</i> L.	浙：蕭山 C.	Ap.
<i>Thec</i> sp.	浙：蕭山 C.	Ap.
<i>Vernicia disco'or</i>	閩：海南 F. Ha.	Ap.

*Distribution and Host Symbols: Ag. = *Agrotis ypsilon* An. = *Anomis flava*
Ap. = *Apitis gossypii* Bo. = *Boormia* sp. C. = *Chkiang* Ce. = *Central China*

E. = *Euxoa segetum* Ea. = East Three provinces Ecr. = *Earias cupreoviridi*,
 F. = Fukien H. = Hunan Ha. = Hainan He. = *Heliothis obsoleta* Ho. =
 Hopeh Ic. = *Icerya Purchosi* K. = Kiangsu Kw. = Kwangtung M. = *Myzus*
persicae N. = North China O. = *Orgyia postica* P. = *Pectinophora gossy-*
piella Pr. = *Prodenia litura* Pse. = *Pseudoxoccus citri*, *P. filamentosus* Py. =
Pyrcusta nubilalis S. = *Syleptoderogda* Sc. = *Scissella oleae* Sh = Shantung
 Th. = Throughout China W = West China.

作者蒙美國博物館代為鑑定學名，本局局長張師歸農時賜指導，寄生昆蟲研究室主任祝君汝佐貢獻參考，馬君駿超往廬山採集標本，(見本刊第三卷第178-182頁)及吳君希澄李君安民助為整理，均此誌謝！

書報介紹

Chen, S. H. [陳世驥] -- Revision of the Halticinae (Col. Chrysomelidae) of Yunnan and Tonkin. (雲南及安屬東京跳蝻類昆蟲全誌)(英文) -- *Sinensia*, V:4-5, pp. 225-

416, 85 figs. Nanking, Oct. 1934. 文內所連及之跳蝻類，共約178種(變種在內)，內新種約四十餘；分隸54屬，內新屬四，即 *Sebaethoides*, *Loosia*, *Letzuana* 及 *Aphthonomorpha*。各種屬，均附有參考文獻，形態及分佈及檢索表。所附插圖亦頗精緻。文末附載非列賓產之跳蝻類計2屬20新種，最末為中國及安屬東京之已知跳蝻類昆蟲名錄，計64屬238種，計 *Nonarthra* 6種，*Psylliodes* 9, *Eutrea*, 1, *Dibolia* 1, *Tribolia* 1, *Chaetocnema* 19, *Sangariola* 1, *Laboissierei* 1, *Epitrix* 2, *Lipromima* 1, *Harmaltica* 1, *Crepidomorpha* 1, *Sinocrepis* 1, *Crepidocera* 3, *Griua* 1, *Pseudodera* 4, *Xuthea* 1, *Chalcoides* 3, *Laboissierella* 1, *Liprus* 1, *Podontia* 5, *Ophrida* 4, *Neorthaea* 8, *Nisotra* 1, *Podagricella* 1, *Mantura* 1, *Podagricomela* 4, *Clitea* 2, *Glancosphera* 1, *Acrocrypha* 1, *Philopona* 2, *Hyphasis* 11, *Sebaethoides* 1, *Sebaetha* 19, *Loosia* 1, *Pentamesa* 1, *Agropistes* 2, *Argopus* 4, *Chilocoristes* 2, *Sphaeroderma* 14, *Lemeana* 1, *Jacobyana* 1, *Eucyela* 2, *Parathrylaca* 2, *Omeiana* nom. nov. (*Omeia*) 1, *Laotzeus* 1, *Letzuella* 2, *Hespera* 7, *Luperomorpha* 6, *Ectozia* 1, *Longitarsis* 14, *Batophila* 1, *Aphthonomorpha* 2, *Manobidia* 3, *Aphthona* 11, *Phyllotreta* 5, *Lypnea* 1, *Phygasia* 3, *Laelica* 2, *Pseudargopus* 1, *Osmosoma* 1, *Manobia* 6, *Zipangia* 2, *Haltica* 8. (馬駿超)

Ho, Wen-chua [何文俊] -- Taxonomy, Distribution and Economic Importance of chrysomelidae in Szechwan. (四川金花蟲科甲蟲分類分佈及經濟上之重要)(英文) -- *Jour. W. China Border Res. Soc.*, 1933-1934, vi, pp. 142-161. Chengtu, 1933. 作者於1932年在成都附近採集之結果，得金花蟲38種，文內所連及者計15種，計 *Sagra petilii* Lacord (灌蟲)，*S. purpurea* Licht. (灌蟲，Wu-in-shan)，*Colaspocoma metallicum* Clark. (成都)，*Chrysocinus chinensis* Haly.

(成都), *Chrysomela curvicauda* Mann. (峨嵋山), *Eumela cyanicollis* Hope (峨嵋山, 灌縣), *Colophaellus howringi* (成都), *Melasoma aeneipennis* Baly (峨嵋山), *Oides decimpunctata* Billb. (成都, 重慶), *Rhopidopalpa chinensis* Weise (成都), *Agelocera deformicornis* Laboiss. (峨嵋山), *Sepharia rubricola* Fairm. (峨嵋山), *Podontia lutea* Oliv. (樂山, 重慶), *Ophrida spectabilis* Baly (灌縣), *Phygasia ornata* Baly (峨嵋山)。文首附有檢索表, 各種之下, 復詳載其同物異名, 形態分佈。(馬駿超)

Ho, Wen-chun [何文俊] & **Pen, Da-si** [彭達詩] -- A Preliminary List of Butterflies of Szechwan. [四川蝶類名錄] (英文) -- *Jour. W. China Border Res. Soc.*, 1933-1934, IV, pp. 162-195. Chengtu, 1933. 本文係就 G. M. Franck 司鐸(約1430件), D. C. Graham 博士, 及作者(約370件)在四川採集結果, 彙集而成(各次採集之地點, 計爲重慶, 成都, 巫山, 茂州, 灌縣, 郫縣, 溫江, 雅州, 打箭爐, 穆坪, 松潘, 峨嵋及叙府)共268種, 計鳳蝶科23種, 粉蝶科28種, 斑蝶科4種, 眼蝶科60種, 環紋蝶科6種, 缺蝶科101種, 長喙蝶科6種, 小灰蝶科36種。每種之下, 附有原始記載出處, 異名, 在四川之分佈及發生期。(馬駿超)

Prout, L. B. -- New Species and Subspecies of Geometridae. [尺蠖蛾科新種誌] (英文) -- *Novit. Zool.*, xxxix:2, pp. 99-136. Tring, 1934. 文內共述及新種75, 新屬1, 其中採自中國者爲 *Hydrelia laetivirga* (四川) *Alcis arisema frencki* (四川), *Ephoria auratilis* (灌縣)。(轉錄 *Lingnan Sc. J.*, xiv, p. 373, 1935.) (馬駿超)

Netolitzky, F. -- Europaisch-Asiatische *Bembidion*-Arten unter besonderer Beruecksichtigung der Typen von Solsky [歐亞 *Bembidion* 屬步行蟲誌] -- *Koleop. Runds.*, xx:1-2, pp. 63-74. Wien, 1934. 文內共述及 *Bembidion* 屬昆蟲74種, 內新種若干, 而 *B. (Peryplus) serorum* sp. n. 則採自甘肅省之蘭西與 Hwei-si 及河北省。(轉錄 *Lingnan Sc.* xiv, p. 372, 1935.) (馬駿超)

Uvarov, B. P. -- Notes on Acrididae from South China. [華南蝗蟲誌] (英文) -- *Lingnan Sc. J.*, xiv:2, pp. 257-270, 2 figs. Lanton, Apr., 1935. 文內共述及華南產之蝗蟲共7種, 即 *Pterogonista infumata* Willemse (廣州, 羅浮山), *Aulasobolus luteipes* (Wlk.) (廣州), *Tristria lacerta* Stal (香港), *Oxya diminuta* (Wlk.) (廣州), *O. tinianis* sp. nov. (羅浮山, 3800-4000尺), *Euprepocnemis hakutensis* shlr. 廣州, 羅浮山), *Aploceris splendens* (羅浮山)。其中一新種之模式標本(雌雄)存英倫博物院, 另一雄蟲存嶺南大學。(馬駿超)

Hoffmann, W. E. -- Notes on the Life-history of *Neojurtina typica* Dist. (Hemip... Pentatomidae) [一種臭椿象之生活史] (英文) -- *Lingnan sc. J.*, XIV:2, pp. 261-266, 2 pl., 2 refs. Canton, Apr., 1935. 此種椿象分佈於安南之東京, 婆羅洲及香港, 爲害一種冬青 *Ilex cinerea* Champ.。文內於生活史有簡短之敘述, 蘇

成蟲幼蟲各齡(除第三四齡外)及卵各期之形態，茲特詳譯。

(馬騮超)

Tinkham, E. R. -- Preliminary Notes on Injurious Rice Grasshoppers of the Genus *Quilla* stal from South China and Cochin China (Orth: Acrididae) (華南及交趾支那之 *Quilla* 屬稻蟻) (英文) -- *Dragon J.*, XIV:2, pp. 321-326, 4 tab., 2 refs. Canton, Apr., 1935. 此為華南及交趾支那之 *Quilla* 屬稻蟻之分布及形態之初步觀察。所述者計 *Q. oryzae* Uv. (交趾支那); *Q. mltivata* stal? (羅浮山, 香港); *Q. sp.* (陸縣); *Q. n. sp.* (交趾支那)。

(馬騮超)

Li, L. Y. (林來榮) -- A Preliminary Report on the Occurrence of *Tylenculatus semipenetrans* Cobb in the Roots of citrus Nursery Plants of South China, (華南橘苗之線蟲調查初步報告) (英文) -- *Dragon Sc. J.*, XIV:2, pp. 331-333, 10 refs. Canton, Apr., 1935. 此種線蟲分佈於廣東之肇慶, 上華, 河南, 羅定, 潮會, 羅崗, 潮州, 汕頭。其在華南之寄主如 *Citrus crypticora* Tanaka, *C. grandis* Osbeck, *C. limonia* Osbeck, *C. microcarpa* Bunge, *C. nobilis* Lour., *C. sinensis* Osbeck, *Fortunella* sp. 以及雜種檸檬。

(馬騮超)

Dubrovsky, C. G. -- Studies on the Nematode Parasites of the American Cockroach, *Periplaneta americana* (寄於美洲蜚蠊之線蟲) (英文) -- *Trans. Kansas Acad. Sc.*, XXXVI, pp. 213 (abstr.), Manhattan, Kansas, Apr., 1933.

(馬騮超)

Falls, O. -- Sex Attraction in *Samia cecropia*. (天蠶蛾之性的誘惑) (英文) -- *Trans. Kansas Acad. Sc.*, XXXVI, pp. 215-217, 1 fig. Manhattan, Kansas, Apr., 1933. 著者以一種天蠶蛾 *Samia cecropia* 試驗之結果：未交尾之雌蛾，能誘致雄蛾(距離至大)之來集，已交尾者則否；原集未交尾雌蛾附近之雄蛾，於該雌蛾交尾時，其他雄蛾即離去。

(馬騮超)

Evans, J. W. -- Notes on the Behaviour of the Larval Communities of *Perya dorsalis* Leach (Hym., Tenthredinidae). (一種蠶蛾幼蟲之羣居性) (英文) -- *Trans. Roy. Ent. Soc. London*, LXXII:3, pp. 455-460, 5 figs., 11 refs. London, Dec., 1934. 此種蠶蛾幼蟲之羣居，各個體間之關係，雖較天社蛾科等昆蟲為密切，且母蟲與其幼蟲間或合羣，然則並非胡蝶，蛾，密蜂等高等昆蟲之社會生活之雛形。

(馬騮超)

Etringham, H. -- On Some Further Resemblance Structures in Trichoptera. (數種毛翅目之特異結構類誌) (英文) -- *Trans. Roy. Ent. Soc. Lond.*, LXXII:2, pp. 409-414, 1 pl., 6 refs. London, Dec., 1934.

(馬騮超)

Jones, F. M. -- Further Experiments on Coloration and Relative Attractability of Insects to Birds. (鳥類對於昆蟲色彩之喜愛相關試驗誌) (英文) -- *Trans. Roy. Ent. Soc. Lond.*, LXXII:2, pp. 413-414, 2 pl., London, Dec., 1934.

(馬騮超)

Mc Atee, W. L. et al. --- Relative Acceptability of Insects to Birds. (鳥類對於昆蟲之相關嗜好性) (英文) - - *Proc. Roy. Ent. Soc. Lond.*, VIII:2, pp. 113-116, (1933); XI:2, pp. 21-37, (1934). London, Dec., 1934. (馬駿超)

本局消息

一、建廳派員指導棉稻推廣區治蟲工作 建設廳以各縣棉業改良實施區，雙季稻推廣區，暨純系稻實施區各辦事處，均經紛紛呈報成立，所有實施工作，亦將次第實施，關於各該處防治蟲害問題，極為重要，亟應派員負責指導防治，以免害蟲滋生，昨派第一區區農場治蟲專員程光宇常川駐杭縣純系稻實施區辦事處，沈祖仁常川駐杭縣棉業改良實施區辦事處，趙崇定常川駐海鹽縣純系稻實施區辦事處；第二區區農場治蟲專員耶仁常川駐嘉興縣純系稻實施區辦事處，周羽儀常川駐海鹽縣純系稻實施區辦事處；第三區區農場治蟲專員鍾壬模常川駐吳興縣純系稻實施區辦事處，章鳳常川駐長興縣純系稻實施區辦事處；第四區區農場治蟲專員章成憲常川駐慈谿縣雙季稻推廣區辦事處，周紹模常川駐鎮海縣雙季稻推廣區辦事處，楊福山常川駐慈谿縣棉業改良實施區辦事處；第五區區農場治蟲專員彭瑩常川駐蕭山縣雙季稻推廣區辦事處，何其名常川駐餘姚縣雙季稻推廣區辦事處，樓永厚常川駐嵊縣雙季稻推廣區辦事處；第六區區農場治蟲專員郭銑常川駐臨海縣雙季稻推廣區辦事處；第七區區農場治蟲專員湯春揚常川駐義烏縣純系稻實施區辦事處；第十區區農場治蟲專員周成章常川駐平陽縣雙季稻推廣區辦事處。特別注意指導該處防治蟲害工作，仍兼顧原負責各縣指導任務，並飭各區農場轉飭該員等尅日前往云。(5月3日杭州東南日報)

二、派員調查桑蠶 嘉興及桐鄉近年受桑蠶之害殊烈，幸賴治蟲人員努力防治，得逐漸減輕，茲據實地調查；嘉興七星鄉蠶絲鄉望雲鄉之南草蕩間為桑蠶最盛之區，本年則為害甚輕，每株土僅見三五頭，桑葉發育良好；桐鄉之太平鄉日輝鄉，較嘉興稍重，在宜橋鄉之周家橋及樓上門等處，則較烈，惟面積均甚小；長興之夾浦亦有發現，為害甚輕，桑葉照常發育；吳興之西門外發生最劇，惟面積亦小。

三、幾種桑蟲之生活近狀 人紋燈蛾第一化，產出卵數最多達1122粒，共經過十日產畢；桑蛀蟲越冬幼蟲活動後，已有蛀第四孔者，連越冬前蛀孔數，有達17個之多；桑梗蟲(害桑莖之天牛，在蘇杭一帶以之養鳥)越冬幼蟲已于四月中旬化蛹；黑翅基黃蟲(前在長興採來)越冬卵已於四月十三日孵化，現已着手飼養考查其生活習性；桑蠶卵已於四月27日開始孵化，較之往年約早一個半月；桑蠶已於四月下旬進行羽化，亦較往年提早半月許。

四、檢得三種寄生蜂 在馮溪及區路所採得之桑蠶卵塊，已發現長腹毒蜂，現已進行此蜂生態之考查；去年在七堡採來一紅頭蟲，現已羽化寄生蜂一種，為 *Pristomerus vulnerator* Panz. 在吳興及無錫等處，採得之桑尺蠖，其幼蟲被寄生甚多，檢係小齒蜂，已於四月結繭羽化，係 *Apanteles* 屬之一種。

五、派員講演臭蟲防除法及配製家庭殺蟲劑 新生活運動促進會主辦之撲滅杭州市五蟲運動宣傳週第二日，由本局派葉剛室顧玄赴省立廣播電台講演「臭蟲

防除法」，協同宣傳；並配製家庭殺蟲藥劑，以爲撲滅臭蟲實驗之用，其配方爲洋油五加侖，除蟲菊一磅半，四氯化碳一磅半。

六、採收除蟲菊 本局所栽植之除蟲菊，生長茂盛，均已開花，現已分期採收，以作試驗。

七、確定稻病防治試驗計劃 植物病理研究室確定本年度稻作病害防治試驗計劃爲：(一)穀種消毒預防試驗，(二)藥劑撒佈防治試驗，(三)繼續肥料與稻熱病關係試驗，(四)抗病稻種選擇等四項。其第一及第四兩項，所用之種籽，已於上週分別下種。

八、函飭治蟲人員努力工作 近來稻蟲棉蟲果蠶桑蟲及森林害蟲蔬菜害蟲等，漸次發現，爲防患於未然計，特函飭各縣治蟲人員，努力治蟲工作，並採寄普通昆蟲標本來局，以明浙省各種昆蟲之分佈。

九、灌水注油治螟試驗 稻蟲研究室所作灌水注油治螟試驗，其中之浸水日期試驗組，已於四月告竣，茲將結果列後：

浸水日期	檢查叢數	二 化 螟				三 化 螟				大 螟			
		生	死	共	死亡率	生	死	共	死亡率	生	死	共	死亡率
10	1000	12	6	18	33.33+	18	71	89	79.78-		8	8	100%
20	1000	10	4	14	28.57+		60	60	100%	3	4	7	57.14+
30	1000	3	8	9	66.67-		79	79	100%	2	3	5	60.00%
40	1000	2	6	8	75.00%		84	84	100%		2	2	100%
50	1000		15	15	100%		86	86	100%		3	3	100%
共計	5000	27	37	46	57.81+	18	380	396	95.48%	5	20	25	80%

十、稻蝗卵埋土深度與幼蟲出土之關係試驗 四月上旬，稻蟲研究室在農場附近地上，曾將稻蝗卵分組埋於土中，又將每組深度，分成一寸二分至六寸，待後觀察其能孵化之深度。

十一、盤查之野外考查 稻蟲研究室於四月二十日及二十七日，見盤查之卵塊，多產於田岸坡上部份之沙質土壤中，深度約有六十餘公分，卵塊長度約有三十至四十公分，每卵塊有卵50粒左右。

十二、講授驅除五蟲方法 五月四日省會公安局及市政府衛生科，特派衛生醫士及衛生稽查，共三十餘人，來局聽講驅除五蟲方法及注意事項，當即派藥劑室主任顧玄，詳加指導。

十三、派員查勘蝗蝻 五月八日杭縣治蟲人員電告本局，謂市縣交界處之七八兩堡等處，發現蝗蝻，本局爲明瞭真相以慎防治起見，曾派員二度查勘，結果未見發生。

各縣消息

遂安

一、續辦實施區 該縣自去年開始辦理實施區，嗣因天氣亢旱，於八月底即行結束；本年仍繼續辦理，區址設縣南安陽鄉，面積約一千餘畝，已擬具預算呈廳，於五月一日開始工作。

龍游

發現鐵甲蟲 該縣西門外一帶，發現鐵甲蟲甚多，正在交尾產卵期中，縣府當即分飭各鄉鎮長及各保長等，通知所屬農民，一體注意防治。(5月6日杭州東南日報)

紹興

東關發現鐵甲蟲 紹興東關一帶之秧田，發鐵甲蟲爲害，現正交尾產卵，治蟲人員正在力謀防治。

雲縉

麥收預估五成 該縣去歲旱災慘重，嗷嗷待哺之災黎，滿望今歲麥收豐稔，以資補救；無如春雨連綿，以致妨礙麥之發育，發生黑穗，估計收成，僅有五成云。(4月28日東南日報)

天台

小麥收成可慮 該縣小麥爲主要食糧，有所謂『小麥收成熟，食糧半年足』之諺。今歲春雨綿綿，以致麥花濕爛，麥穗發黑，俱呈秀而不實之現象。據一般老農云，收成至多五成云。(4月28日東南日報)

麗水

考查楡毛蟲 麗水縣長兼舊處屬治蟲辦事處主任丘遠雄，以處屬各縣境內多山，森林害蟲，向極嚴重，尤以楡松毛蟲爲害最烈，此次爲明瞭該蟲等爲害實況起見，特諭治蟲專員陸超，朱國亮，崔伯泉，及督促員項鵬飛，會同省昆蟲局指導員夏開國，前往發生地域實地考查，並勸令農民從速防治。(五月九日杭州東南日報)

國內消息

蚌收買鼠蠅 蚌埠公安局收買老鼠蒼蠅，預防疫癘。(五月九日杭州東南日報)

河北元氏麥穗霉黑 該縣自春迄今，雨量異常缺少，致麥苗底葉已乾枯，上層葉表發生白色小點，莖甚矮，現已抽穗，穗復間有霉黑者，秋收勢將減少。(五月三日天津大公報)

國際消息

日本農學臨時大會植物病理學部會講演要旨

本年十一月廿三日，鹿兒島高等農林學校舉行廿五週年紀念典禮，翌日日本農學臨時大會乘機召開大會；是日午前在講堂中舉行特別講演，午後一時改開植物病理部會，出席會員共十四人，內講演者十一人，至五時半後始行散會。其演講題如下：(1) 麥黑銹菌中間寄生植物之研究(出田新)，(2) 梨赤星病菌之性(河村榮吉)，(3) 煙草萎折病原菌研究(瀧元清透)，(4) *Phytophthora Nicotianae* Breda de Haan 菌及其寄生性之研究(津曲彦壽)，(5) 煙草空腐病之病理解剖(摘要)(木場三郎)，(6) 柳木材變色原因及其防止之研究(北島君三)，(7) 柑橘瘡癩病之病源形成研究(常谷幸榮)，(8) 鹿兒島地方發生小麥銹病研究(內藤壽)。(錄自日本植物學會報第四卷第3.4號第236頁)

昆蟲學術語辭典著手編纂 昆蟲學術語辭典新編現正編纂中，現正徵集最近數年所創用之新名詞及其出處，凡欲與聞此事者，可向 Parker & Smith, Avenue Godillot, Hyeres, Var, France 接洽云。(Ent. News, xlv, p. 84, Mar., 1935.)