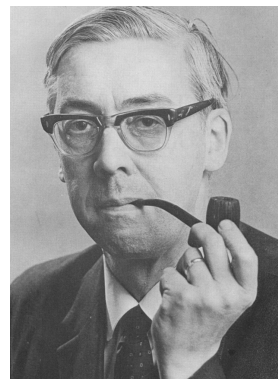


## Walter Hackman (1916–2001)

Hans Silfverberg\*



### 1. Hackman's career

Walter Hackman was born in Helsinki on 10 October 1916. He went to secondary school in Läroverket för gossar och flickor, where the distinguished entomologist Rolf Krogerus was a biology teacher. Already during his school years, Hackman showed an interest in animals, especially in Lepidoptera, and once he graduated from high school in 1934 he immediately began his studies in zoology and botany at the University of Helsinki. He received his master's degree in zoology in 1940, at a time when World War II was already going on. During the following years Hackman served in the army, for a fairly long time at the Maanselkä front (north of Lake Onega). Like many other Finnish entomologists posted in Russian Karelia, he collected insects during this time, and the Zoological Museum has numerous such specimens.

When the war was over and Hackman was demobilised, he soon found a position at the Zoological Museum. At first it was an auxiliary position, and during those years he also worked as a schoolteacher. In 1954 he became acting curator, and in 1957 the head of the Entomology Division, a position he held until 1981. During the early years he worked on his doctoral dissertation, getting his Ph.D. in 1948, and becoming lecturer at the University of Helsinki in 1950. Dur-

ing the years 1972–1975 he was furthermore acting professor in zoology at the Division of Instruction in Swedish.

In the early years Hackman mainly concerned himself with Lepidoptera. This order has been popular during the entire 20th century among Finnish entomologists, but most lepidopterists were content with the comparatively well-known Macrolepidoptera. Hackman included the Microlepidoptera in his studies, and could therefore soon make important additions to the knowledge of these moths. At first his contributions were faunistic, but after a while he also published taxonomic revisions, the main one being his paper on the Finnish Coleophoridae in 1945. Even when he later did most of his work on other insects, he occasionally published some papers on Lepidoptera.

In his earlier years Hackman also studied spiders. Most of his work was on the Finnish fauna, but there is also, for example, one paper on the spiders of Newfoundland (1954). His doctoral dissertation was on the cytology of spiders. Yet after 1957 he had just a few minor notes on this animal class.

Hackman's major contributions to zoology concerned Diptera. Ever since 1919 the head of the Entomology Division had been Richard Frey, a world-famous dipterist, who had acquired large materials of Diptera both from Finland and from

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abroad, and this material offered many opportunities for systematic studies. Hackman's first paper on flies (1955) was about Finnish *Drosophilidae*, a family that he also studied further both in Finland and abroad. Other families that he studied included, for example, *Scatophagidae*, *Sphaeroceridae* and *Hippoboscidae*. In 1980 he published a checklist of the Finnish Diptera.

At first Hackman's work on Diptera was within taxonomy and faunistics, but after a while he also began to study their ecology. The first project was on Diptera living in vole burrows, then followed a fairly large study on fungivorous Diptera, in collaboration with several others. The recent expansion of the deer ked *Lipoptena cervi* into Finland also gave inspiration to several articles, some of them in co-operation with medical researchers.

Hackman's studies of Mallophaga should also be mentioned. He noticed that bird skins preserved in museums occasionally still have Mallophaga in them, and managed to collect a considerable number of such specimens. Together with W. Eichler he then published in 1973 a survey of earlier studies of this group in Finland, together with a checklist of the Finnish fauna. Later on he occasionally returned to these insects.

Collecting is considered an essential part of entomology. As Hackman began his entomological career with Lepidoptera, he also built up a considerable collection of these insects; that collection he gave to the Zoological Museum in 1995. Otherwise he collected material mainly for the museum collections, taking material from many different insect orders. Much of his collecting was done in southern Finland. However, some excursions went to other areas, for example, a collecting trip in 1945 to the Pyhä-Häkki National Park in central Finland, another in 1949 (together with R. Frey) to the Tana River in Finnish Lapland, one trip in 1970 to Finnish and Swedish Lapland (together with E. Lakovaara), and the Low Fell Project, where several entomologists from the Zoological Museum visited Iso-Syöte and Levittunturi in northern Finland. One expedition to southern Spain in 1966 should also be mentioned.

Scientific societies have an important role in Finnish science. They handle, for example, most of the publishing. Naturally, the opportunities they offer for both formal and informal contacts between scientists are of great importance. The old-

est scientific society in Finland, *Societas pro Fauna et Flora Fennica*, has united among its members all kinds of biologists ever since it was founded in 1821, although later societies offer a more specialised environment. Hackman became a member of *Societas pro Fauna et Flora Fennica* already in 1934, in 1965 he was elected a deputy member of the governing board, and in 1967 a board member, a post he held until 1989. Entomological societies have existed in Finland since the early 20th century, the *Societas Entomologica Helsingforsiensis* was founded in 1919. Hackman became a member of this society in 1934, in 1955 he was elected its secretary, and he held this post until 1980, after which he still remained a board member until 1984. The society published the journal "*Notulae Entomologicae*", and from 1945 to 1976 Hackman was a member of its editorial board, during the years 1948–1961 as the chief editor. In 1986 he was elected a honorary member of the society. The Finnish Lepidopterists' Society was founded in 1955, and during the years 1955–1965 Hackman was a board member there. Later on, he was elected as an honorary member. The *Societas Scientiarum Fennicae* is an academy that calls eminent scientist as its members, and Hackman was elected as a member in 1955 and served as its president in 1976. In addition to these, Hackman was also elected an honorary member of the Entomological Society in Stockholm in 1979.

Ever since 1923, the Scandinavian entomological societies have arranged Scandinavian entomological congresses, which include both lectures and excursions. These have generally been arranged every third year, rotating among the countries. Such a congress was held in Finland in 1947, the first one in which Hackman participated. After that he was a constant participant in these congresses up to the congress held in Norway in 1988. He was also a member of the organising committee for three such congresses held in Finland in 1959, 1971 and 1982.

Hackman resigned from his post as head of the Entomology Division in 1981. He remained a lecturer until 1983. But even as a pensioner he continued with his scientific work, until deteriorating eyesight prevented him from studying the insects themselves. He still had much material, based on which he in his later years wrote some papers.

Walter Hackman died on 8 March 2001.

## 2. Published papers

1937. *Nonagria sparganii* Esp., ny för Finlands fauna. — *Notulae Entomologicae* 17: 153–154.
1940. Några småfjärilar, nya för landets fauna. — *Notulae Entomologicae* 20: 14–15.
1941. *Coleophora separatella* Benander, ny för Finlands fauna. — *Notulae Entomologicae* 20: 74.
1941. Die in Finnland vorkommenden *Coleophora*-Arten der caespitiella-Gruppe. — *Notulae Entomologicae* 21: 23–28.
1941. *Stagmatophora serratella* Tr., ny för landets fauna. — *Notulae Entomologicae* 21: 43.
1941. För faunan nya småfjärilar. — *Notulae Entomologicae* 21: 98–101.
1942. Über Bau und Lage der Ozellen bei blattminierenden Schmetterlingsraupen. — *Acta Zoologica Fennica* 34: 1–37.
1945. Om *Argyroploce rufana* Scop. och *purpurana* Haw. — *Notulae Entomologicae* 24: 108–109.
1945. Die *Coleophoridae* Finnlands. — *Notulae Entomologicae* 25: 1–80.
1945. Eine neue *Acompsia*-Art (Lep., Gelechiidae) aus Finnland. — *Notulae Entomologicae* 25: 110–112.
- 1945–46. Bidrag till kännedomen av våra *Scythris*-arter. — *Notulae Entomologicae* 25: 112–114.
1946. *Helvella crispa* Scop. funnen i Tvärminne (N). — *Memoranda Societatis pro Fauna et Flora Fennica* 22: 2–3.
1946. *Metzneria consimilella* n.sp. (Lepid.). — *Notulae Entomologicae* 26: 57–59.
1946. Neue *Phthorimaea*-Arten (Lepid., Gelechiidae) aus Ostfennoskandien. — *Notulae Entomologicae* 46: 59–64.
1947. On the *Choreuthis-myllerana*-group (Lepid., Choreuthidae). — *Notulae Entomologicae* 26: 71–76.
1947. Ett par spindelfynd från Hangö udd. — *Memoranda Societatis pro Fauna et Flora Fennica* 23: 142–143.
1947. *Pseudohadena immunda* Ev. funnen i Finland. — *Notulae Entomologicae* 27: 29.
1948. Chromosomenstudien an Araneen, mit besonderer Berücksichtigung der Geschlechtschromosomen. — *Acta Zoologica Fennica* 54: 1–101.
1948. Om *coleophoridae*ernas systematik. — *Annales Entomologici Fennici* 14 (Suppl.): 69–75.
1949. In memoriam Holger Klingstedt. — *Notulae Entomologicae* 28: 128.
1950. Lepidopterologiska iakttagelser i Utsjoki socken 1949. — *Notulae Entomologicae* 30: 18–22.
1950. Zwei neue Kleinschmetterlinge aus Finnland. — *Notulae Entomologicae* 30: 23–25.
1950. Solunjakautumisen mekanismeista. — *Luonnon Tutkija* 54: 69–72.
1950. *Synangeles venator* Luc. (Araneae, Salticidae) funnen i Helsingfors omnejd. — *Memoranda Societatis pro Fauna et Flora Fennica* 25: 14–15.
1950. *Clepsis nybomi* nom. nov. für *Tortrix fuliginosana* Hackm. — *Notulae Entomologicae* 30: 128.
1950. The male of *Argenna prominula* Tullgren. — *Entomologisk Tidskrift* 71: 165–167.
1951. Bidrag till kännedomen om spindelfaunan i provinsen Tavastia borealis. — *Memoranda Societatis pro Fauna et Flora Fennica* 26: 82–85.
1951. Spindlar samlade under sommaren 1949 i Utsjoki socken. — *Memoranda Societatis pro Fauna et Flora Fennica* 26: 86–93.
1951. Celldelningens mekanism — ett svårlost problem för biologerna. — *Nordenskiöld-Samfundets tidskrift* 10: 87–91.
1952. On the insect fauna of Cyprus. Results of the expedition of 1939 by Harald, Håkan and P. H. Lindberg, IX. Lepidoptera. — *Commentationes Biologicae* 13(8): 1–9.
1952. Tvenne intressanta spindelfynd från Karlö (Hailuoto). — *Memoranda Societatis pro Fauna et Flora Fennica* 27: 64–65.
1952. Spindlar insamlade av W. Hellén och N. E. Saris i Kilpisjärvi. — *Memoranda Societatis pro Fauna et Flora Fennica* 27: 65–67.
1952. A gynandromorph of the spider *Troxochrus scabriculus* Westr. — *Memoranda Societatis pro Fauna et Flora Fennica* 27: 67–69.
1952. Contributions to the knowledge of Finnish spiders. — *Memoranda Societatis pro Fauna et Flora Fennica* 27: 69–79.
1953. *Dipoena hamata* Tullgr. och *Theridion bellissimum* L. Koch funna i Finland. — *Memoranda Societatis pro Fauna et Flora Fennica* 28: 70.
1953. Ett fynd av en boreo-arktisk spindelart, *Lepthyphantes angulatus* Cambr. i Helsingfors omnejd. — *Memoranda Societatis pro Fauna et Flora Fennica* 28: 70.
1953. Spindlar från Åland och sydvästra Finlands skärgård. — *Memoranda Societatis pro Fauna et Flora Fennica* 28: 70–78.
1953. Harry Federley, Minnestal. — *Memoranda Societatis pro Fauna et Flora Fennica* 28: 128–132.
1954. The spiders of Newfoundland. — *Acta Zoologica Fennica* 79: 1–99.
1954. Spindlar nya för Finlands fauna. — *Memoranda Societatis pro Fauna et Flora Fennica* 29: 23–24.
1955. Die *Drosophila*-Arten Finnlands. — *Notulae Entomologicae* 34: 130–139.
1955. Om taxonomiska karaktärers variabilitet hos insekterna. — *Norsk Entomologisk Tidsskrift* 9: 126.
1955. On some Microlepidoptera described by Embrik Strand. — *Norsk Entomologisk Tidsskrift* 9: 227–229.
1955. *Hasarius adansonii* Audouin (Araneae, Salticidae) funnen i växthus i Helsingfors. — *Memoranda Societatis pro Fauna et Flora Fennica* 30: 12.
1955. Spindlar från Pisavaara naturpark. — *Memoranda Societatis pro Fauna et Flora Fennica* 30: 44–47.
1955. Contributions to the knowledge of Finnish spiders. II. — *Memoranda Societatis pro Fauna et Flora Fennica* 30: 47–49.
1955. On the genera *Scaptomyza* Hardy and *Parascaptomyza* Duda (Dipt., Drosophilidae). — *Notulae Entomologicae* 35: 74–91.

1956. A study on the variability in *Scatophaga litorea* Fall. (Dipt., Scatophagidae). — *Notulae Entomologicae* 36: 1–8.
1956. Phalangida (Opiliones) from Newfoundland. — *Commentationes Biologicae* 15(17): 1–9.
- 1956–57. The Lonchaeidae (Dipt.) of Eastern Fennoscandia. — *Notulae Entomologicae* 36: 89–115.
1956. The Scatophagidae (Dipt.) of Eastern Fennoscandia. — *Fauna Fennica* 2: 1–66.
1957. Trollsländor och kälfjärilar fångade av *Drosera*. — *Memoranda Societatis pro Fauna et Flora Fennica* 32: 2–3.
1957. Trattspindeln *Agelena labyrinthica* Cl. funnen i Tvärminne. — *Memoranda Societatis pro Fauna et Flora Fennica* 32: 3–4.
1957. Beiträge zur Kenntnis der Drosophiliden des Lenin-gradgebietes. — *Notulae Entomologicae* 37: 17–26.
1957. Studies on the ecology of the wolf spider *Trochosa ruricola* Deg. — *Commentationes Biologicae* 16(6): 1–34.
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1958. Borboridae. — In: Frey, R. (ed.), Kanarische Diptera brachycera p.p., von Håkan Lindberg gesammelt. *Commentationes Biologicae* 17(4): 48–52.
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1958. Lonchaeidae. — In: Frey, R. (ed.), Zur Kenntnis der Diptera brachycera p.p. der Kapverdischen Inseln. *Commentationes Biologicae* 18(4): 25.
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1959. Helsingin Yliopiston Hyönteismuseon kokoelmien kasvu toimintavuonna 1957–1958. — *Memoranda Societatis pro Fauna et Flora Fennica* 34: 161–164.
1959. Samlingarnas tillväxt vid Helsingfors Universitets Entomologiska Museum under verksamhetsåret 1957–1958. — *Memoranda Societatis pro Fauna et Flora Fennica* 34: 164–166.
1959. On the genus *Scaptomyza* Hardy (Dipt., Drosophilidae), with description of new species from various parts of the world. — *Acta Zoologica Fennica* 97: 1–73.
1959. En undersökning över en spindelpopulation med individuellt märkta individer. — *Societas Scientiarum Fennica, Årsbok* 35B(2): 3–6.
1960. Coelopidae, Drosophilidae, Sphaeroceridae and Scatophagidae (Diptera, Cyclorhapha) from the Azores and Madeira. — *Boletim do Museu Municipal do Funchal* 13(38): 101–107.
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1961. Ostafrikanische Sphaeroceriden (Dipt.). — *Stuttgarter Beiträge zur Naturkunde* 54: 1–2.
1961. Über die Dipterenfauna in den Gängen von Feldmäusen (*Microtus arvalis*). — XI. Internationaler Kongress für Entomologie, Wien 1960, Verhandlungen 1: 215–217.
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1963. Ostafrikanische Curtonotiden und Drosophiliden (Dipt.). — *Stuttgarter Beiträge zur Naturkunde* 104: 1–4.
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1967. On Diptera in small mammal burrows in Northern Europe and Southern Spain. — *Notulae Entomologicae* 47: 1–14.
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1967. Håkan Lindberg †. — *Annales Entomologici Fennici* 33: 130–132.
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1940. *Lyonetia prunifoliella* f. *padifoliella* Hbn. — Notulae Entomologicae 20: 22.
1940. *Acrobasis zelleri* och *Phycita spissicella* från Gullö. — Notulae Entomologicae 20: 24.
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1941. *Coleophora flavipennella*. — Notulae Entomologicae 21: 77.
1942. Den från Finland tidigare icke anförda småfjärilen *Gelechia norvegica* Staud. — Notulae Entomologicae 21: 139.
1944. *Coleophora boreella* Benander, ny för Finland. — Notulae Entomologicae 24: 36.
1945. En hittills obeskriven albinistisk form av *Coleophora striatipennella* Nyl. & Tengstr. samt en form av *Scythris chenopodiella* Hbn.; *Scythris variella* Stph., *Sc. albiapex* M. Hering och *Sc. potentillae* Zell. — Notulae Entomologicae 25: 92–93.
1945. Den för landet nya säckmalen *Coleophora artemisiella* Scott. — Notulae Entomologicae 25: 95.
1945. Den för landet nya gelechiiden *Xystophora tetragonella* Stt.(= *gudmanni* Larsen). — Notulae Entomologicae 25: 99.
1946. Den för landet nya noctuiden *Cucullia artemisiae* Hfn. — Notulae Entomologicae 25: 176.
1946. En för landets fauna ny vecklarfjäril *Phalonia dipoltella* Hb., den hittills ej från Finland kända *Tinea fuliginosella* Z., och en obeskriven *Coleophora*-art. — Notulae Entomologicae 25: 176–177.
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1946. Den för landets fauna nya vecklarfjärilen *Phalonia degreyana* Mc L. — Notulae Entomologicae 25: 179.
1947. En för vetenskapen ny *Metzneria*-art och en för faunan ny gelechiid, *Bryotropha decrepidella* H.S. — Notulae Entomologicae 26: 102.
1947. *Argyresthia glabratella* Z., felbestämd som *A. illuminatella* Z.; *Tischeria dodoneana* Heyd. strykes från Finlands fauna. — Notulae Entomologicae 26: 104.
1947. Kinesiska koleoptera från Coll. Söderman. — Notulae Entomologicae 46: 105.
1947. *Bryotropha plantariella* Tengstr. och *B. serrulatella* Tengstr. synonymer till *Br. cinerosella* Tengstr., — Notulae Entomologicae 26: 107.
1947. *Elachista kilmunella* Stt., *E. adscitella* Stt. och *E. exactella* H.S., i Finland. — Notulae Entomologicae 26: 108.
1947. En för landet ny skalbagge *Laemophloeus turcicus* Grouv. — Notulae Entomologicae 26: 109.
1947. *Nemophora variella* W.Brandt i Ostfennoskandien. — Notulae Entomologicae 26: 109.

### 3. Short reports at the meetings of societies



1947. Tre för landet nya småfjärilar *Bryotropha mundella* Dgl., *Depressaria ciliella* Stt. och *Pammene suspectana* Zell. — Notulae Entomologicae 26: 110.
1947. Det sällsynta nattflyet *Cucullia artemisiae* Hufn. — Notulae Entomologicae 26: 111.
1947. *Roestlerstammia pronubella* Schiff. och *Laspeyresia pallifrontana* Zell. stryks från Finlands fauna. — Notulae Entomologicae 26: 111.
1947. Tvenne mycket närstående gelechiider *Gelechia peliella* Tr. och *G. suppleliella* Wlsg. — Notulae Entomologicae 26: 121–122.
1947. En sannolikt för vetenskapen ny *Elachista*-art, samt en från Finland icke tidigare känd *Elachista*-art, med all sannolikhet *E. humilis* Z. — Notulae Entomologicae 27: 23.
1947. En för landets fauna ny tortricid, *Cacoecia unifasciana* Dup. — Notulae Entomologicae 27: 27.
1948. En för landet ny gallmygga *Dasyneura (Perrisia) thomasiana* Kieff. — Notulae Entomologicae 27: 119.
1948. Den intressanta noctuiden *Athetis gluteosa* Tr. — Notulae Entomologicae 27: 119.
1948. *Evetria pinicolana* Dbld. — Notulae Entomologicae 28: 59.
1948. Importskalbaggar av familjen Bostrychidae. — Notulae Entomologicae 28: 63.
1949. En för landet ny gelechid, *Gelechia pingucella* Tr. samt fynd av *Sarrotriphus revayanus* Sc. — Notulae Entomologicae 28: 116.
1949. *Coleophora tractella* Z. ny för Fennoskandien. — Notulae Entomologicae 29: 57.
1949. Några småfjärilars synonymik. — Notulae Entomologicae 29: 57.
1950. En albinistisk form av tortriciden *Argyroploce schulziana* F. — Notulae Entomologicae 29: 124.
1950. Måttfjärilen *Crambus verellus* Zck. måste strykas ur våra förteckningar. — Notulae Entomologicae 30: 124.
1951. Gynandromorf av *Crambus tristellus* Hb. — Notulae Entomologicae 31: 52.
1952. *Vanessa io* i Nyland sommaren 1951. — Notulae Entomologicae 32: 163.
1953. En för landet ny noctuid *Hydroecia nordstroemi* Horke. — Notulae Entomologicae 33: 24.
1953. En för landet ny småfjäril *Aphomia gularis* Z. — Notulae Entomologicae 33: 28.
1953. Ett aberrativt exemplar av småfjäriln *Eucosma similana* Hb. — Notulae Entomologicae 33: 29.
1953. Föreningens exkursion till Borgå söndagen den 17 maj 1953. — Notulae Entomologicae 33: 126–127.
1954. Ex ovo uppfödning av *Arctia caja* L. — Notulae Entomologicae 34: 55.
1954. Några av Embrik Strand beskrivna småfjärilar. — Notulae Entomologicae 34: 56.
1955. Ett exemplar av *Malacosoma neustrium* L. från Tvärminne. — Notulae Entomologicae 35: 27.
1955. Tvenne för landet nya flugor *Drosophila alpina* Burla och *Scaptomyza trochanterata* Collin. — Notulae Entomologicae 35: 28.
1955. En för landet ny fluga *Drosophila histrio* Meig. — Notulae Entomologicae 35: 30.
1955. Ett exemplar av noctuiden *Hydroecia nordstroemi* Horke. — Notulae Entomologicae 35: 30.
1955. En för landet ny flugart *Scaptomyza griseola* Zett. — Notulae Entomologicae 35: 95.
1956. *Trichopalpus pilirostris* Ringd., *Scatophaga incola* Beck. och *S. obscurinervis* Beck. nya för faunan. — Notulae Entomologicae 35: 144.
1956. Tvenne för faunan nya cordylurider, *Gymnomera hirta* Hend. och *Amaurosoma bispinosum* Mall. — Notulae Entomologicae 36: 78.
1956. En för vetenskapen ny *Cordylura*-art. — Notulae Entomologicae 36: 80.
1956. För Finland nya diptera. — Notulae Entomologicae 36: 83.
1956. Tvenne för faunan nya flugor av familjen Lonchaeidae. — Notulae Entomologicae 36: 84.
1957. För landets fauna nya arter av flugfamiljen Sphaeroceridae. — Notulae Entomologicae 37: 61.
1957. En för landet ny småfjäril *Tubuliferola josephinae* Toll. — Notulae Entomologicae 37: 64.
1957. En för landet ny fluga *Drosophila bifasciata* Pom. — Notulae Entomologicae 37: 64.
1957. För landet nya borborider. — Notulae Entomologicae 37: 87.
1957. En för landet ny fluga av familjen Camillidae. — Notulae Entomologicae 37: 88.
1957. Föreningens vårexkursion till Masaby söndagen den 19 maj. — Notulae Entomologicae 37: 90–91.
1958. Ett monstruöst exemplar av *Cidaria montanata*. — Notulae Entomologicae 38: 24.
1959. Utbredningen av undersläktet *Scaptomyza (Trogloscaptomyza* Frey). — Notulae Entomologicae 39: 30.
1959. En för landet ny borboridfluga, *Coproica pseudolugubris* Duda. — Notulae Entomologicae 39: 67.
1959. Tvenne för faunan nya flugarter. — Notulae Entomologicae 39: 68.
1960. Tvenne för landet nya arter av flugsläktet *Odinia*. — Notulae Entomologicae 39: 133.
1960. Tre för faunan nya *Sphaerocera*-arter. — Notulae Entomologicae 39: 134.
1960. Föreningens vårexkursion den 10 maj 1959 till Kallvik. — Notulae Entomologicae 39: 135.
1960. Exemplar av *Harmodia cristophi* tagna i Österrike. — Notulae Entomologicae 39: 135.
1960. Tvenne för landet nya flugor av familjen Camidae. — Notulae Entomologicae 39: 136.
1960. Fyra för landet nya dipterer. — Notulae Entomologicae 39: 138.
1960. Dipterfaunan i sorkgångar. — Notulae Entomologicae 39: 140–141.
1961. *Drosophila ingrlica* Hackm. ny för Finland, *Microdrosophila nigriventris* Zett. strykes. — Notulae Entomologicae 40: 153.
1961. En för landet ny fluga *Chiromyia inermis* Collin. — Notulae Entomologicae 40: 155.
1961. Vecklaren *Lozoptera fennicana* Hering synonym med *L. tornella* Walsh., och gelechiden *Phthorimea dia-*

- bolicella* Hering synonym med *P. valesiella* Stgr. — Notulae Entomologicae 40: 155.
1961. Tre för landet nya flugor av släktet *Eccoptomera*. — Notulae Entomologicae 40: 156.
1961. Föreningens vårexkursion till Matku den 19 maj 1960. — Notulae Entomologicae 40: 156.
1961. *Gryllus bimaculatus* inkommen till Finland. — Notulae Entomologicae 41: 27–28.
1961. För landet nya diptera. — Notulae Entomologicae 41: 28.
1961. Några med bananer införda kackerlackor. — Notulae Entomologicae 41: 102.
1961. Zoologiska museets inhemska *Tabanus*-material. — Notulae Entomologicae 41: 102.
1962. Insamlings- och uppfödningmetoder för terricola diptera. — Notulae Entomologicae 42: 28–29.
1962. Tvenne för landet nya svampmyggor. — Notulae Entomologicae 42: 31.
1962. Terrikolien kaksisiipisten keräily- ja kasvattamismenetelmiä. — Annales Entomologici Fennici 28: 91.
1962. Methoden zum Fang und zur Aufzucht terrikoler Dipteren. — Annales Entomologici Fennici 28: 94.
1962. Tvenne närstående *Scaptomyza*-arter från Hawaji. — Notulae Entomologicae 42: 149.
1962. *Heteromyza lapponica* Czerny strykes från Finlands fauna. — Notulae Entomologicae 42: 150.
1962. *Sorhagenia tolli* Riedl och *S. janiszewskae* Riedl i Finland. — Notulae Entomologicae 42: 151.
1962. Hippoboscidsläktet *Ornithomyia* i Finland. — Notulae Entomologicae 42: 153.
1963. Suomen *Borborillus*-lajit (Dipt. Borboridae). — Annales Entomologici Fennici 29: 191.
1963. Piennisäkaskolojen kaksisiipisfaunasta. — Annales Entomologici Fennici 29: 191.
1963. Maalle uusia borboriideja. — Annales Entomologici Fennici 29: 194.
1963. Überblick über die *Borborillus*-Arten (Dipt., Borboridae) Finnlands. — Annales Entomologici Fennici 29: 199.
1963. Über die Dipterenfauna der Kleinnärgergänge. — Annales Entomologici Fennici 29: 200.
1963. Für die Fauna neue Borboriden. — Annales Entomologici Fennici 29: 202.
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