

The leafmine experts' society - Erich Martin Hering's private photo album of leafmine experts

S. Jovanovic-Kruspel

Abstract

Erich Martin Hering's private photo album (held in the private collection of Dr. M. v. Tschirnhaus) is presented, comprising mainly photographs of entomologists, who researched on leafmining insects.

Zusammenfassung

Erich Martin Herings privates Fotoalbum (aus der privaten Sammlung von Dr. M. v. Tschirnhaus) wird in der vorliegenden Arbeit präsentiert. Es beinhaltet vorwiegend die Fotografien von Entomologen, die sich der Erforschung blattminierender Insekten gewidmet haben.

Key words: Erich Martin Hering, entomologists, leafminers, photo album, portraits.

Introduction

Erich Martin Hering (10 November 1893 - 18 August 1967) can definitely be considered the "father of leafmine research". His work as leafminer expert is still unrivalled. Hering mainly focused on the mine form, and the host plant as distinguishing features. He studied the characters of leafmines, recognising different species based on the leafmine form and the frass pattern. He specialised on the study of the leafmining habit of insects as practised by all four orders - Lepidoptera, Diptera, Coleoptera and Hymenoptera. As there were almost no previous works in this field the studies and research necessary for the determination of the leafminers were enormous. More than 5,000 species of all insect orders had to be proved by rearing. In 1926 he published "Die Ökologie der blattminierenden Insektenlarven" and in 1935-37 "Die Blattminen Mittel- und Nord-europas einschließlich Englands", 1951 "Biology of the Leaf-Miners" and 1957 "Bestimmungstabellen der Blattminen von Europa einschliesslich des Mittelmeerbeckens und der Kanarischen Inseln" (in three volumes). In 1932 Hering donated his collection of reared mining insects (Lepidoptera, Coleoptera, Hymenoptera, Diptera) to the Museum in Berlin. His successor Prof. H.J. Hannemann states: "It contains nearly 2,900 species. Included are the types of 425 species, mainly described by himself." (HANNEMANN 1968). Hering's publications are an outstanding contribution

to the study of leafminers, and his identification keys (HERING 1957) are still a frequently used reference, as is his general book on the biology of leafminers (HERING 1951).

In 2012 LÖDL & al. decided to start publishing Hering's herbarium of leafminers, which was obtained in the 1920s and 1930s for the NHMW by Hans Rebel. Hering's herbarium is structured in 22 booklets including more than 440 dried plant specimens, all collected by Hering. In 2012 the first part was published with the plant families beginning with the letter A, containing 73 leafmining species of 14 families. In 2014 part 2 followed with the plant families B to E. In 2016 part 3 was published containing the plant families beginning with the letter F and in this edition (2017) the plant families G-P are covered (LÖDL & al. 2012, 2014, 2016, 2017).

Hering was always in close contact with all international experts on leafmining. He corresponded extensively with many of them. As a final tribute to Hering his colleague and friend, Kenneth A. Spencer published some of the many thousands of letters written by Hering to his fellow researchers such as the botanist Dr. H. Buhr, Dr. J. Klimesch, Dr. F. Groschke, G.C.D. Griffiths and Spencer himself (SPENCER 1968). These letters include valuable information on leafminers and shed new light on his restless working methods. In 1992 SPENCER published his own memoirs also including important information on his friend Hering.

Most probably because of Hering's friendship to Spencer and his disappointment by divided Berlin Hering decided to sell his herbal collection to London. His fly collection he gave to Spencer. When Spencer wanted to give up scientific work due to weakening eyesight he wanted to sell his scientific literature including his Hering Collection. Luckily Spencer's scientific literature and his collection including parts of Hering's collection with type material (mainly from the period after Hering's relocation to West-Berlin) entered into possession of the Natural History Museum in London. The older parts of the Hering Collection compiled during his time at the museum in Berlin (which was called then: "Zoologisches Museum der Friedrich-Wilhelms-Universität Berlin") are still to be found there. In 1998 after attending the Fourth International Congress of Dipterology (6th - 13th September 1998, Keble College, Oxford) Spencer decided to sell Hering's handwritten journals, covering the period between 6 February 1918 and 9 October 1966 to Dr. Michael von Tschirnhaus, a dipterologist, recently at the faculty of Biology, Universität Bielefeld. The seven books include the:

breedings 0350 - 1311	06.02.1918 - 31.08.1919	breedings 4800 - 5972	25.08.1940 - 01.10.1953
breedings 1312 - 2626	01.09.1919 - 12.10.1924	breedings 5973 - 6767	17.05.1954 - 21.09.1961
breedings 2627 - 3649	01.02.1925 - 31.12.1929	breedings 6768 - 7729	20.06.1962 - 09.10.1966
breedings 3650 - 4513	01.01.1930 - 14.09.1939		

These seven journals are thick bound books in the size 170 x 210 mm. Hering himself compiled the journals. He used a small handwriting, first in Sütterlin script, later in a mixture of Sütterlin and cursive handwriting. They include the breeding numbers that can also be found on the labels of the specimens in his collection, which makes these journals an important working-tool for revisions of Hering's type specimens in Berlin and London. The journals also include information on his travels, post cards from his journeys and mine sheets. Many of the mine sheets were extracted later on - by whom is still unclear. Maybe they were transferred to a herbarium of leafminers.

Also into Dr. Michael von Tschirnhaus' possession came Hering's private photo album. Thanks to Dr. von Tschirnhaus this photo album and one of the seven journals (breedings 0350 - 1311, 06.02.1918 - 31.08.1919) came as a loan to the Viennese Lepidoptera Collection.

This photo album (165 x 235 mm) consists of 30 pages with mainly black & white pictures of his fellow researchers, all personally labelled by Hering. The photos are mainly in alphabetical order and shed new light on the network of leafmine experts in Hering's time. Hering's photo album is a unique document on the scientific community of leafmine experts of the 20th century. It opens the door to the until now lost world of an international network of specialists that shared the fascination in the variety of leafmines.

Materials and Methods

The photo album is published page by page in its original form as created by Erich Martin Hering. At the end follows an alphabetical list of the scientists within the photo album with additional biographical information.

In the figure legends the typed descriptions and hadwritten notes (in inverted commas) are depicted. Amendments by the author are written in square brackets. The photos were taken by Alice Schumacher.

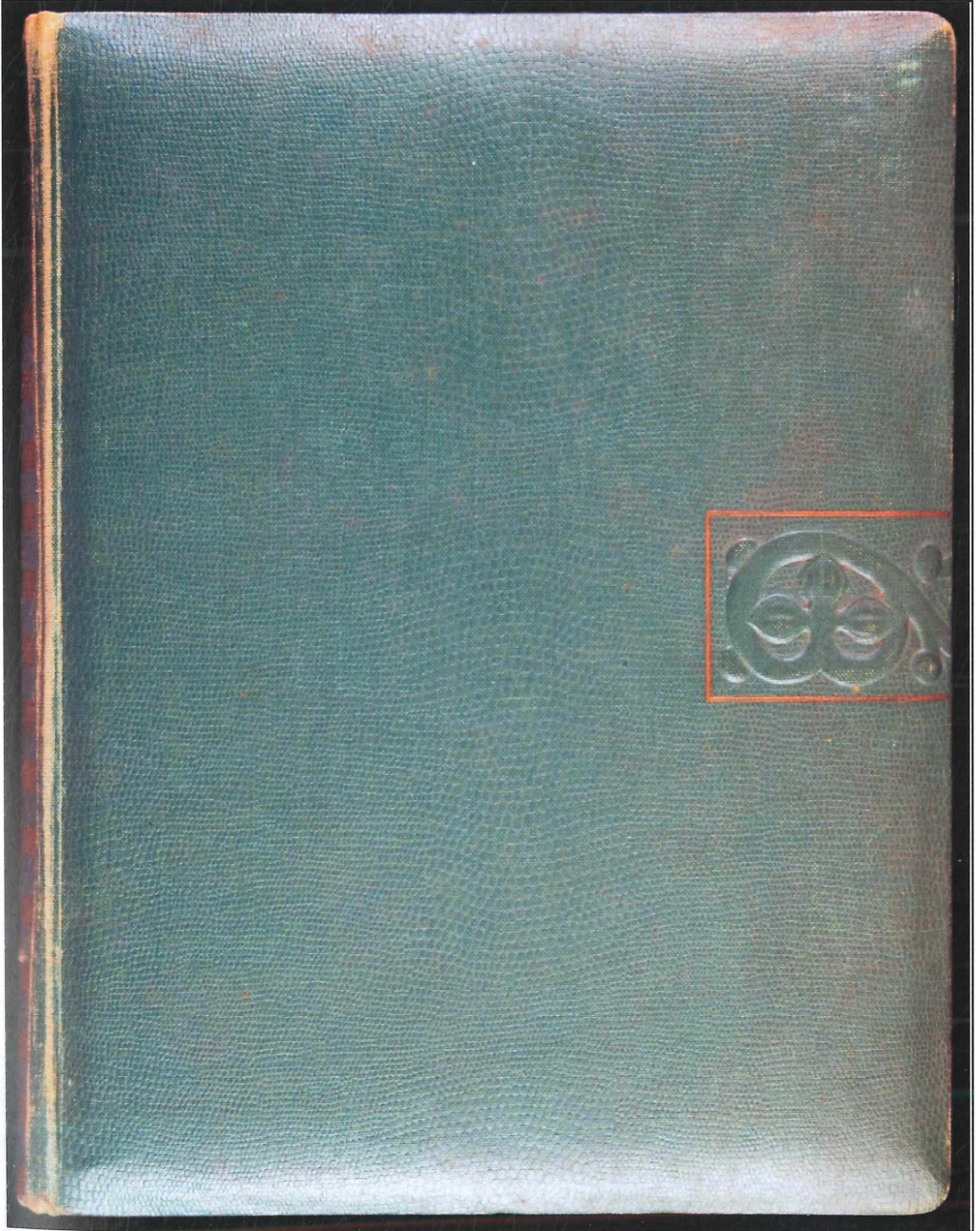


Fig. 1: Cover of E.M. Hering's journal.

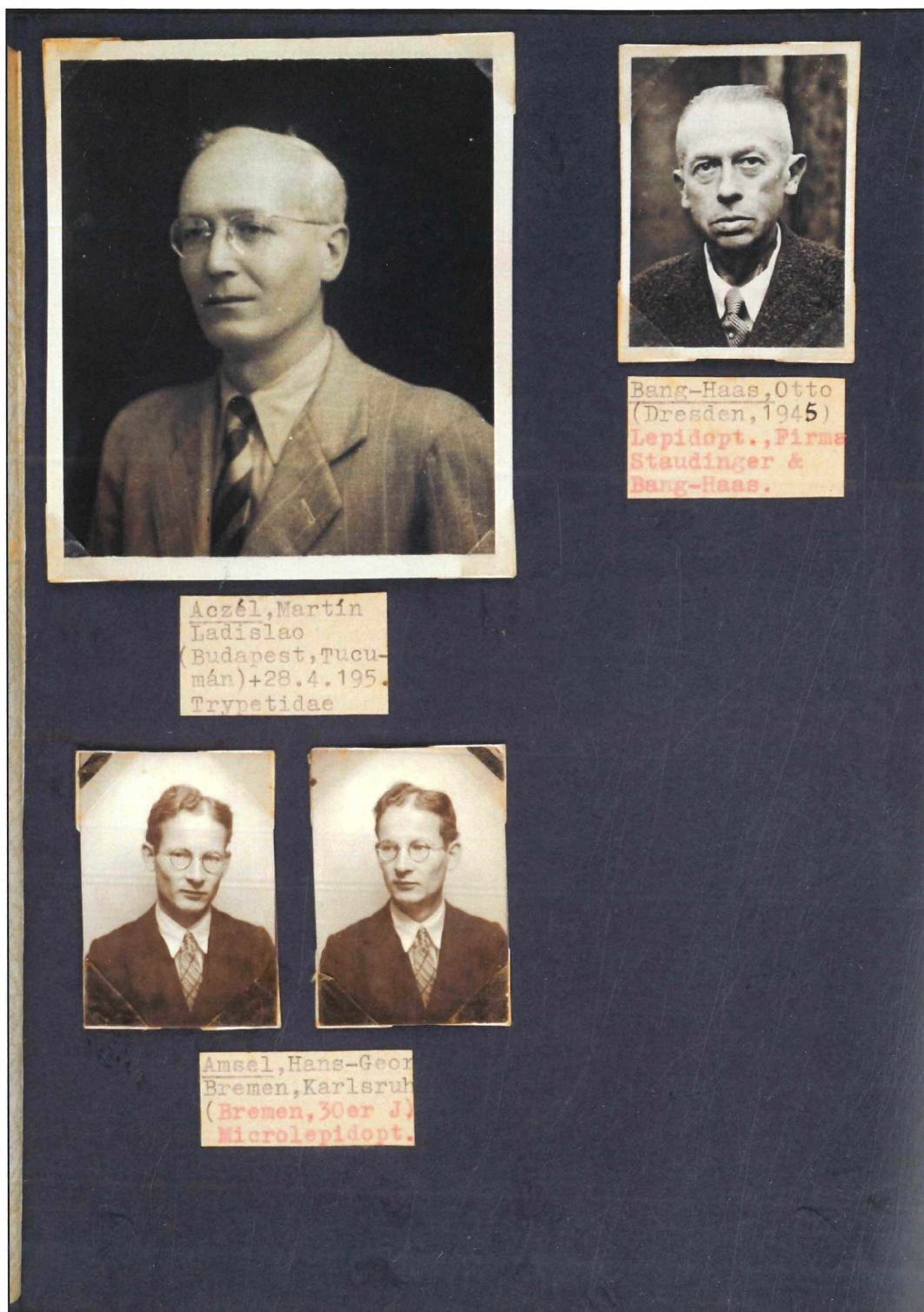
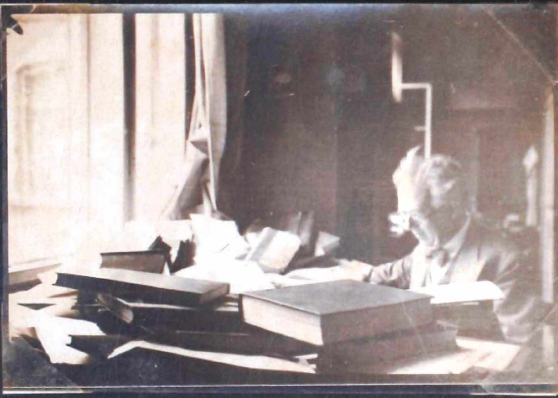


Fig. 2: Top left: Aczél, Martín Ladislao (Budapest, Tucumán) † 28.4.195[8]. Trypetidae. Top right: Bang-Haas, Otto (Dresden, 1945), Lepidopt., Firma Staudinger & Bang-Haas. Bottom: Amsel, Hans-Georg, Bremen, Karlsruhe (Bremen, 30er J.), Microlepidopt.



Bryk, Felix
Zool. Mus. Berlin
1920er Jahre.
Lepidopt., Parnassius.



F. S. BODENHEIMER
em. Professor of Zoology, Hebrew University

Fig. 3: Left side: Bryk, Felix, Zool. Mus. Berlin 1920er Jahre. Lepidopt., Parnassius. Right side: Bodenheimer, F.S., em. Professor of Zoologie, Hebrew University.

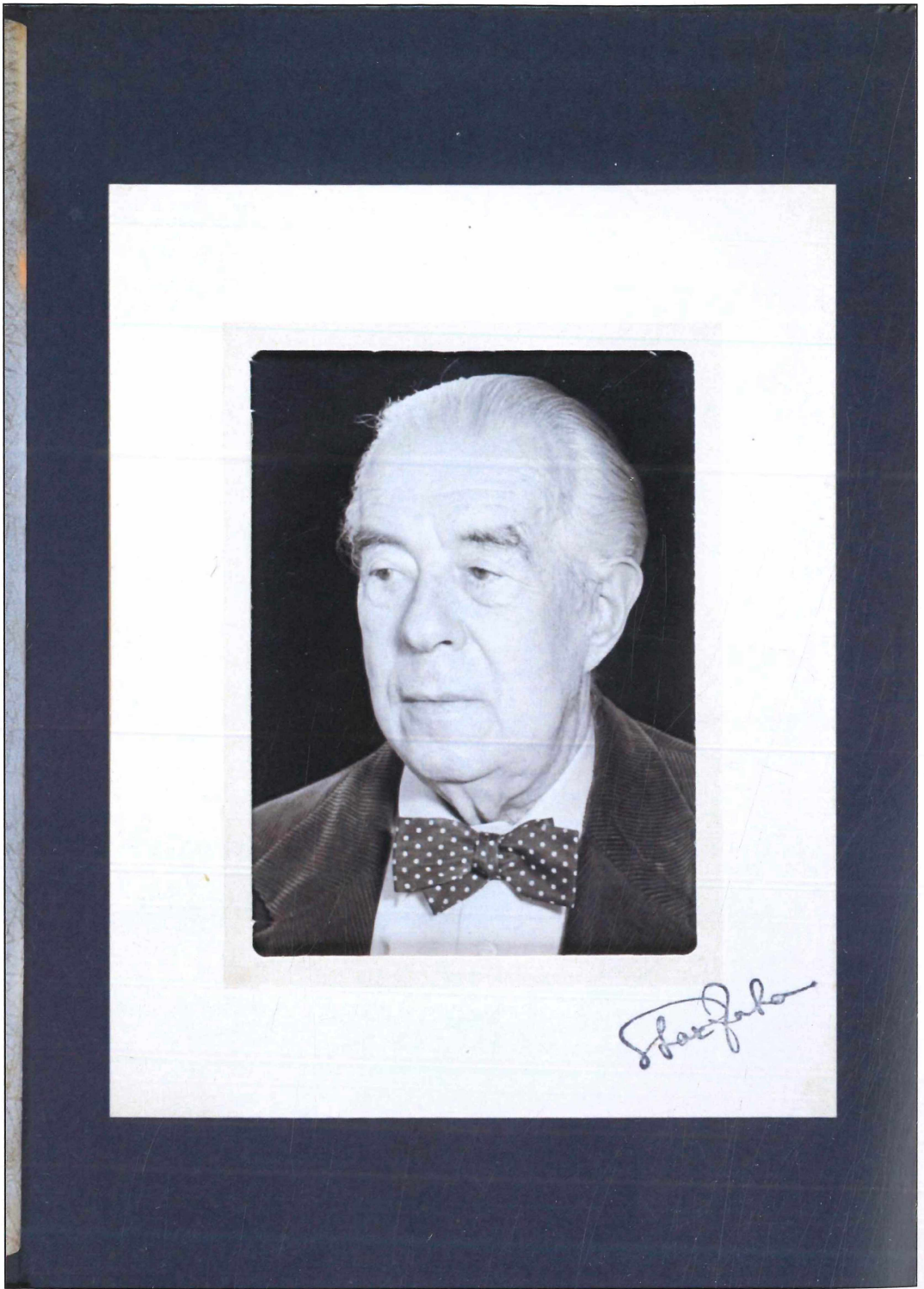


Fig. 4: Bryk, Felix.



Buhr, Herbert
(Rostocker Zeit
Gallen, Minen,
parasit. Pilze



Frick, Kenneth E.
Prosser (Wash.)
Agromyzidae 1954

Fig. 5: Top: Buhr, Herbert (Rostocker Zeit), Gallen, Minen, parasit. Pilze. Bottom: Frick, Kenneth E., Prosser (Wash.), Agromyzidae 1954.

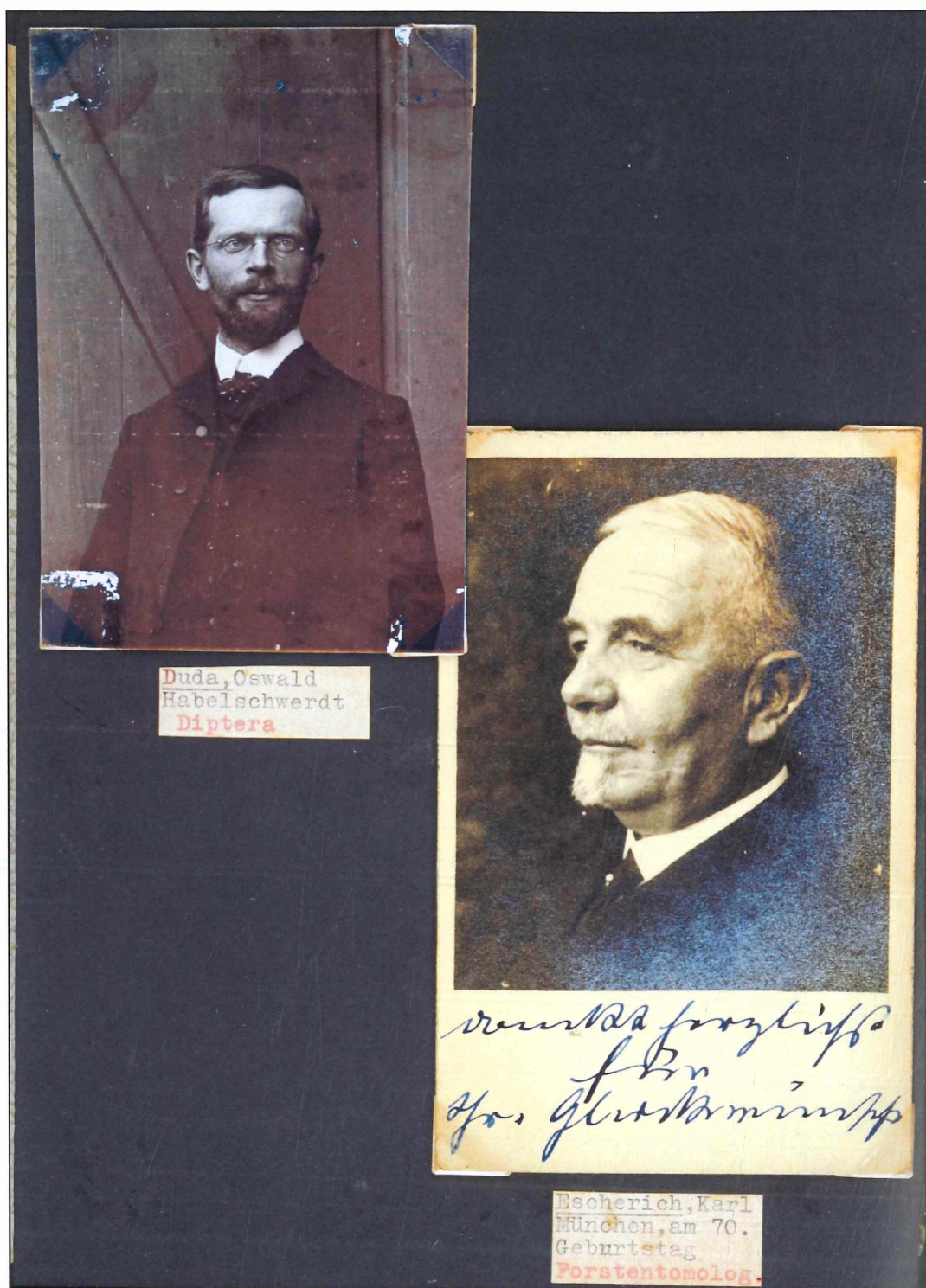


Fig. 6: Top: Duda, Oswald: Habelschwerdt, Diptera. Bottom: Escherich, Karl, München, am 70. Geburtstag, Forstentomolog. “dankt herzlich für Ihre Glückwünsche”.



Fig. 7: Top: Frost, Stuart W.: Arendtsville, Pa, Minen u. Minier[er], “S.W. Frost 1927“. Bottom: Gregor, Frantis[ek], Lepidoptera, Brünn. Alberti Burchard, Berl; Povloný Dalib[or], Lepidopt., Dipt, Im Mus. Berlin 1957 (von l.-r.).

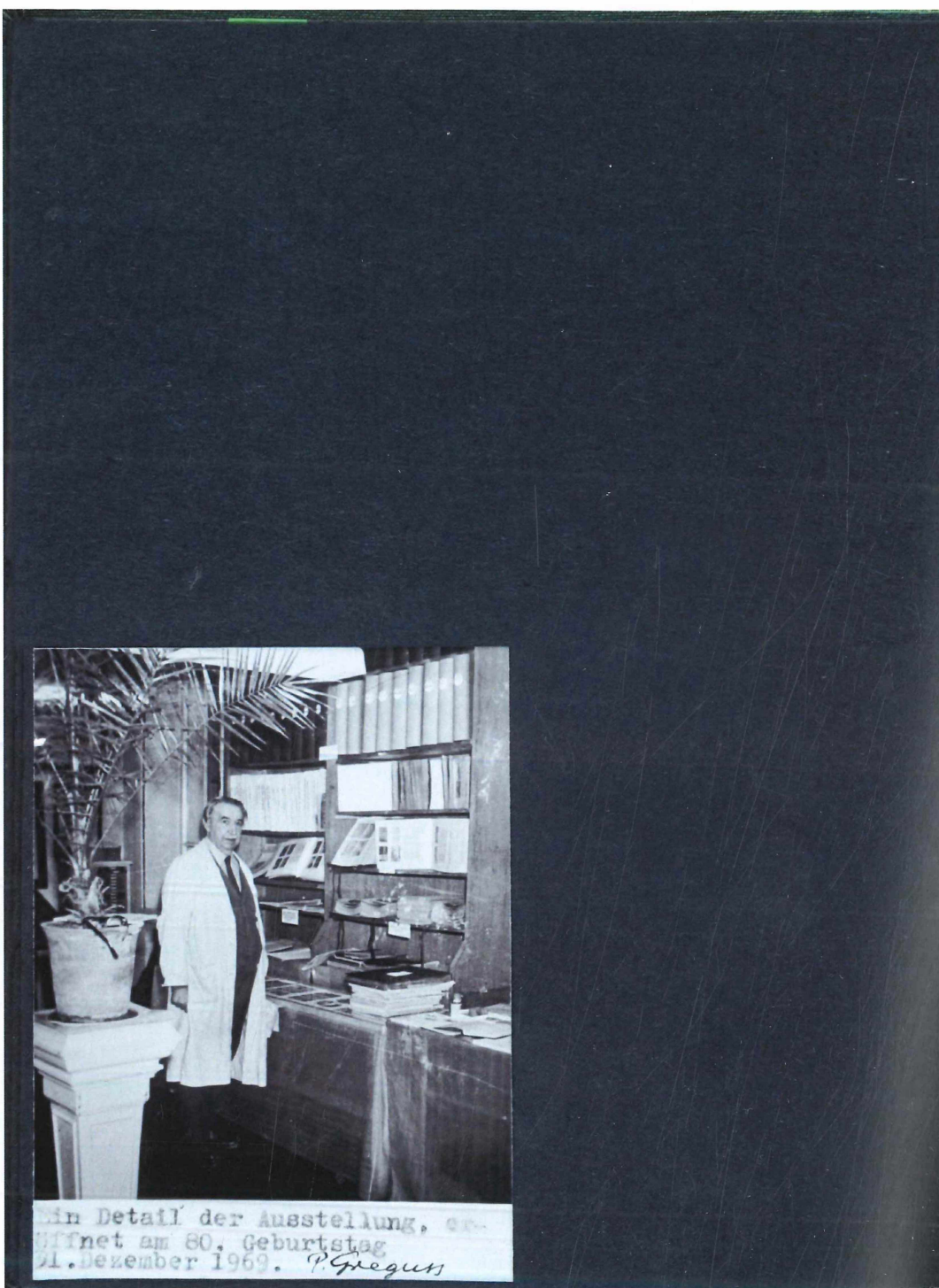
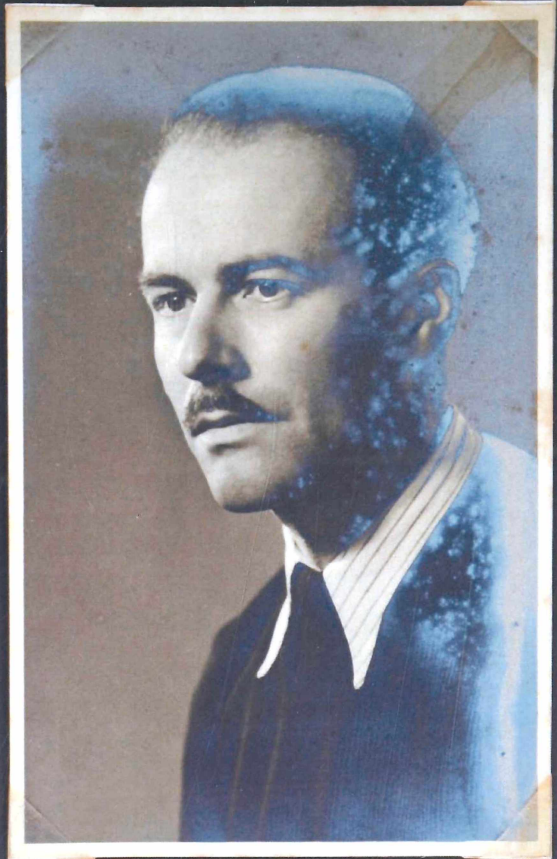


Fig. 8: [Greguss P.]. Ein Detail der Ausstellung, eröffnet am 80. Geburtstag 31. Dezember 1969. "P. Greguss".



Groschke, Franz
München 1954,
dann Stuttgart
Minen & Minier.



Gudmann, F.
Kopenhagen †1932
Microlepidopt.

Fig. 9: Top and right: Groschke, Franz, München 1954, dann Stuttgart Minen & Minier. Bottom: Gudmann, F., Kopenhagen †1932 Microlepidopt., "F Gudmann".

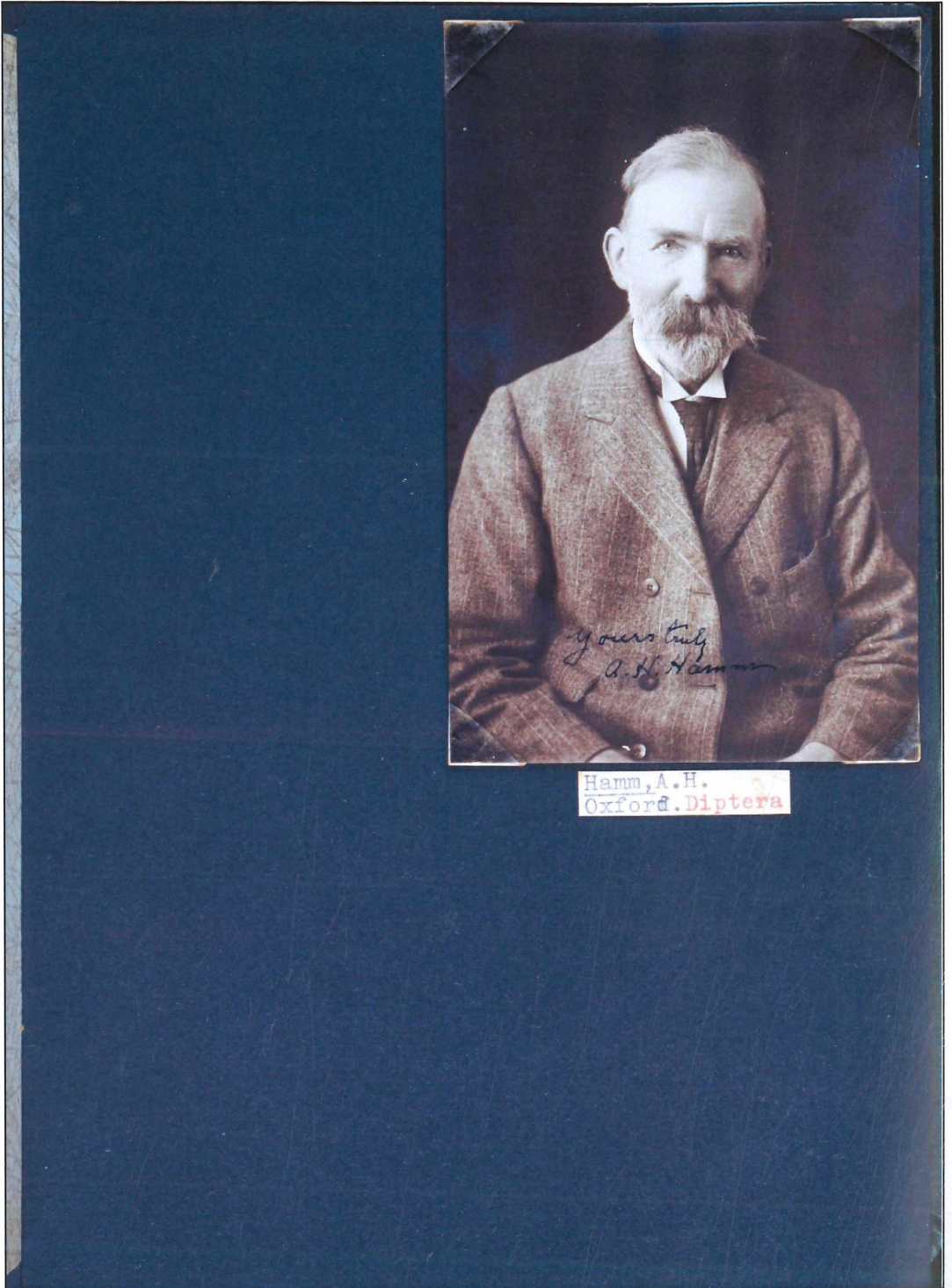


Fig. 10: Hamm, A.H. Oxford, Diptera, "Yours truly A. H. Hamm".

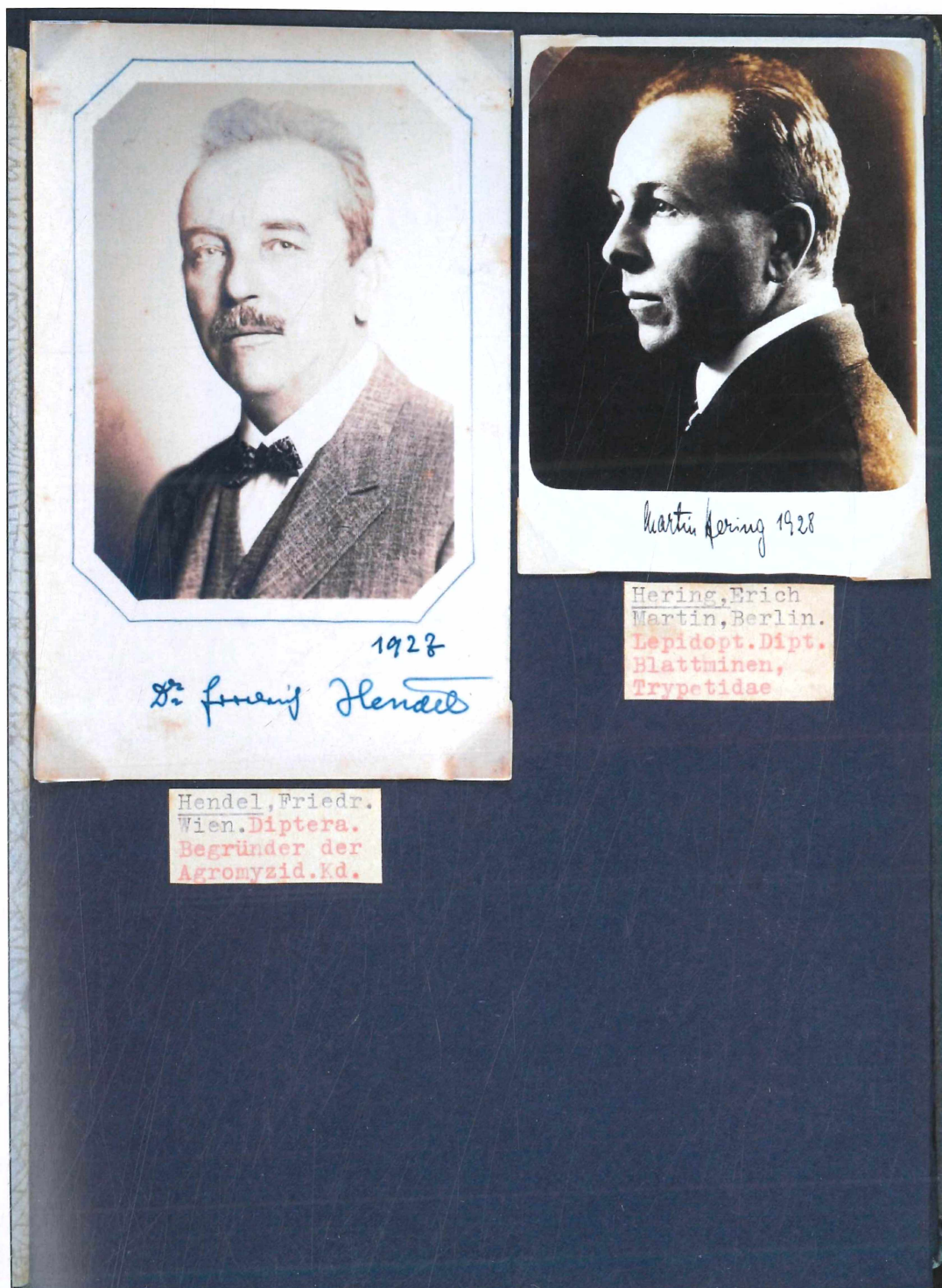


Fig. 11: Left: Hendel, Friedr[ich], Wien. Diptera. Begründer der Agromyzid. Kd., "1927, Dr. Friedrich Hendel". Right: Hering, Erich Martin, Berlin. Lepidopt. Dipt., Blattminen, Trypetidae. "Martin Hering 1928".



Fig. 12: von l. nach r.: Starke (Dipt.), Schönfelder, Bretschneider, Holik (Lepid.), Dresden 1953.
 “Starke, Schönfelder, Bretschneider, Holik (zus. etwa 300 Jahre) Alle vier grüßen Hrn. Prof. M.E. Hering!”



Fig. 13: Top left: Hoffmann, Fritz nach "Heimführung aus Brasilien in Steiermark." Lepidoptera. "Zur freundlichen Erinnerung an Fritz Hoffmann Dezember [illegible]." Top right: Holik, Otto, Prag, Dresden 1953, Lepidoptera, Zygaenidae. Bottom left: de Joannis, J. Paris, 1932 Lepidoptera. Bottom right: von l. nach r.: Bretschneider, Starke, Schönfelder, Holik Dresden, 1953. Lepidoptera.

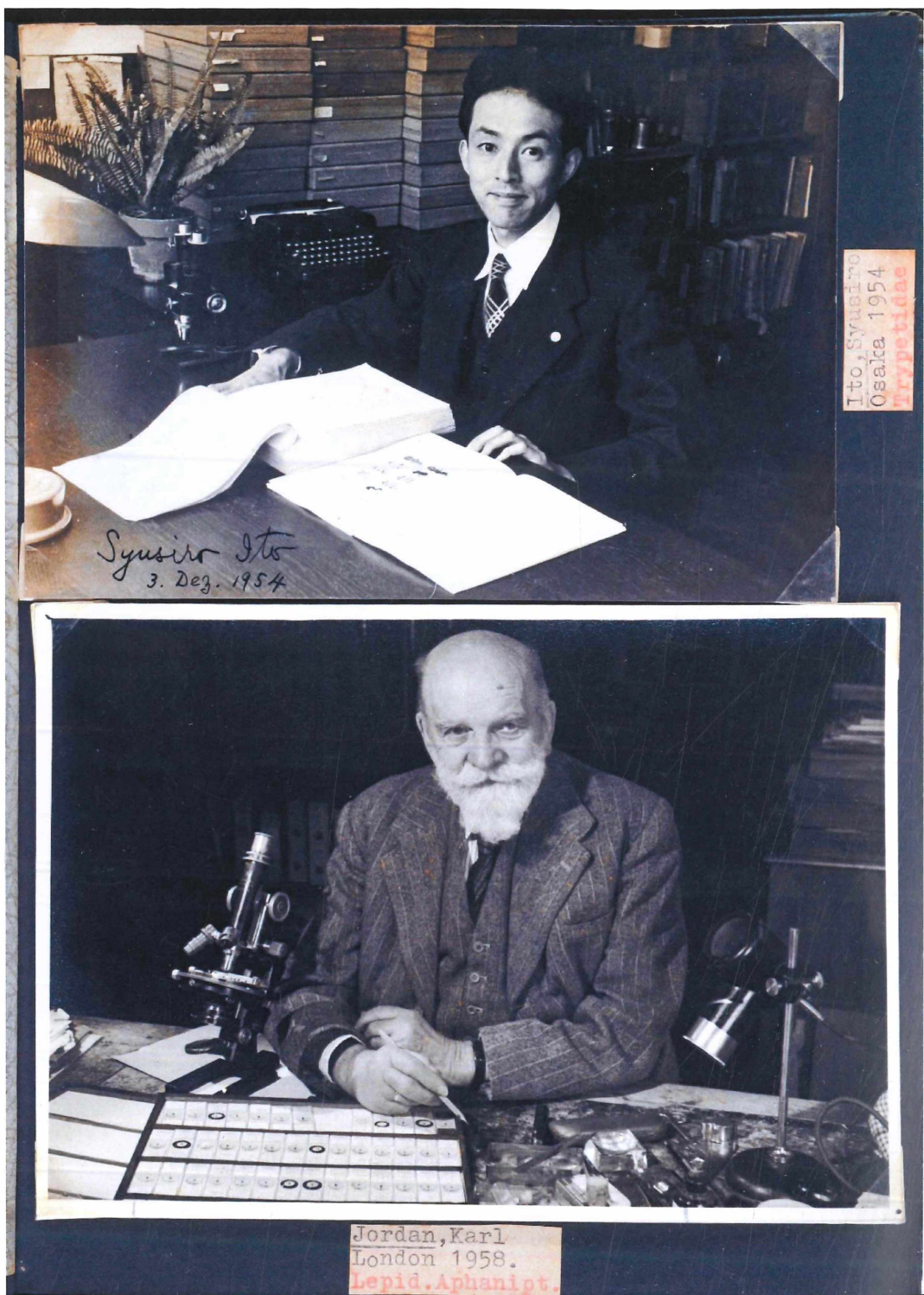
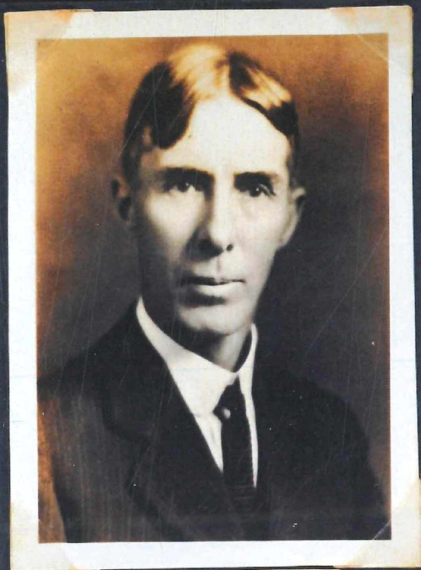


Fig. 14: Top: Ito, Syusiro, Osaka 1954, Trypetidae. “Syusiro Ito, 3. Dez. 1954”. Bottom: Jordan, Karl, London 1958. Lepid. Aphanipt.



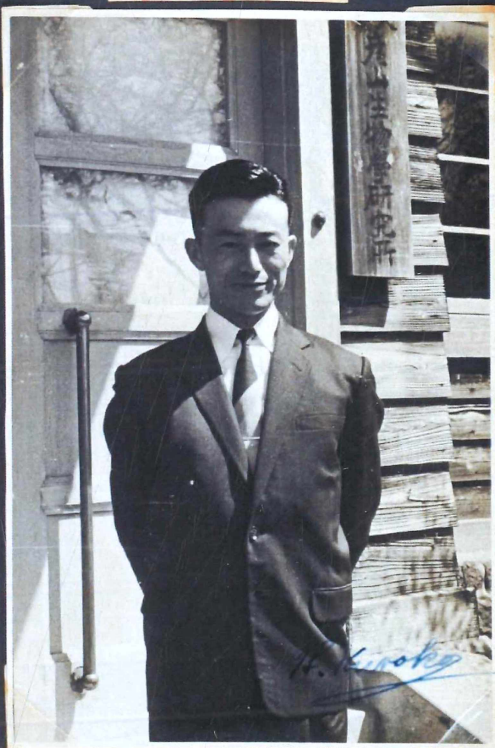
Jones, Wyatt W.
USA., 1928. Minierende Microlep.



Jöker, Astrid
Kopenhagen
* 25.4.1883
+ 17.12.1946.
Blattminen.
Schuf das Minenherbar des Mus.
Kopenhagen.



Karl, Otto
Stolp i. Pomm.
1928. Muscidae



Kuroko, Hiroshi
Hikosan, Japan
Lepidoptera

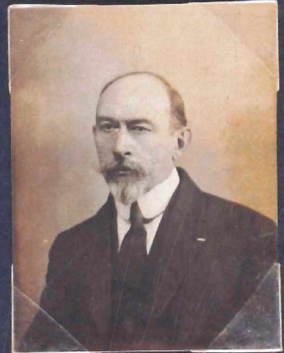
Fig. 15: Top left: Jones, Wyatt W. USA., 1928. Minierende Microlep. Top right: Jöker, Astrid, Kopenhagen *25.4.1883 †17.12. 1946. Blattminen. Schuf das Minenherbar des Mus. Kopenhagen. Bottom left: Karl, Otto, Stolp i. Pomm. 1928. Muscidae. Bottom right: Kuroko, Hiroshi, Hikosan, Japan, Lepidoptera.



Karsch, Ferdin.
 ♂ 2.9.1853
 + 20.12.1936
Insecta omnia



Kato, Shizuo
 Tokyo 1957
Angew. Entomol.



Lhomme, Léon
 Douelle 1934
Lepidoptera

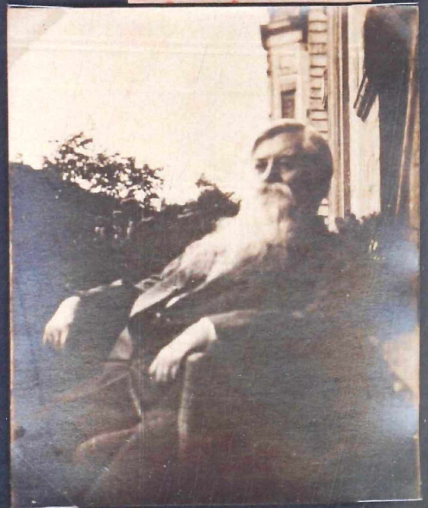
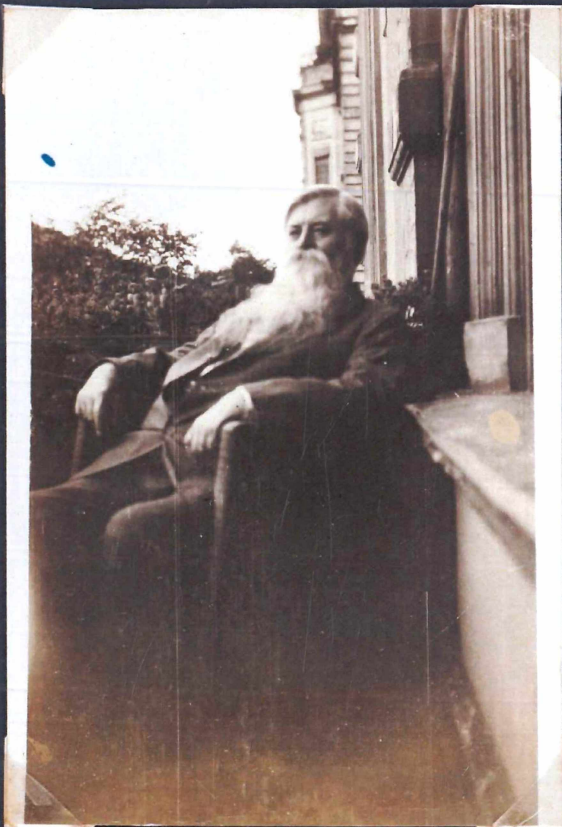


Fig. 16: Left and bottom right: Karsch, Ferdin. *2.9.1853 †20.12.1936, *Insecta omnia*. Top right: Kato, Shizuo, Tokyo 1957, *Angew. Entomol.* "Shizuo Kato". Middle right: Lhomme, Léon, Douelle 1934, *Lepidoptera*.

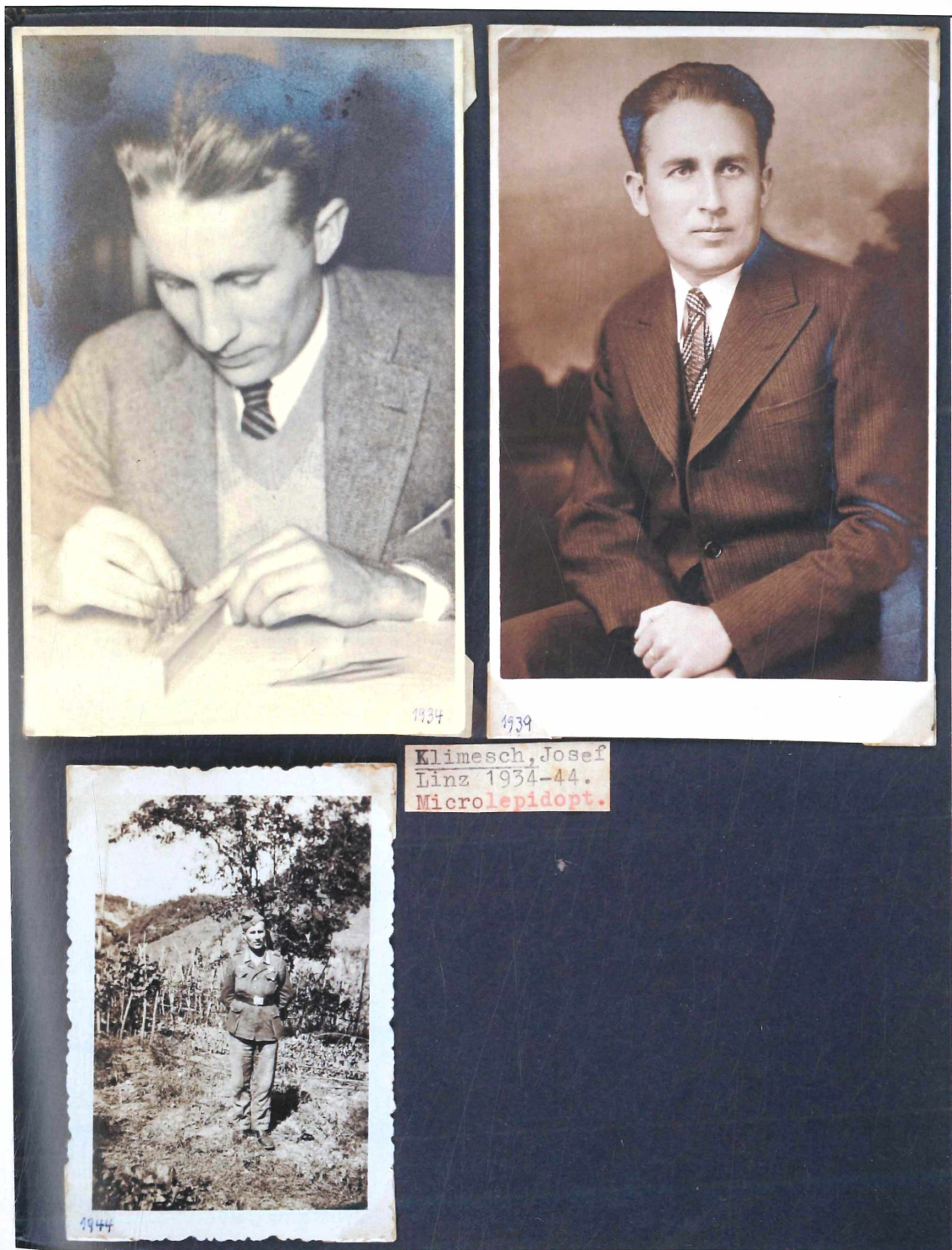
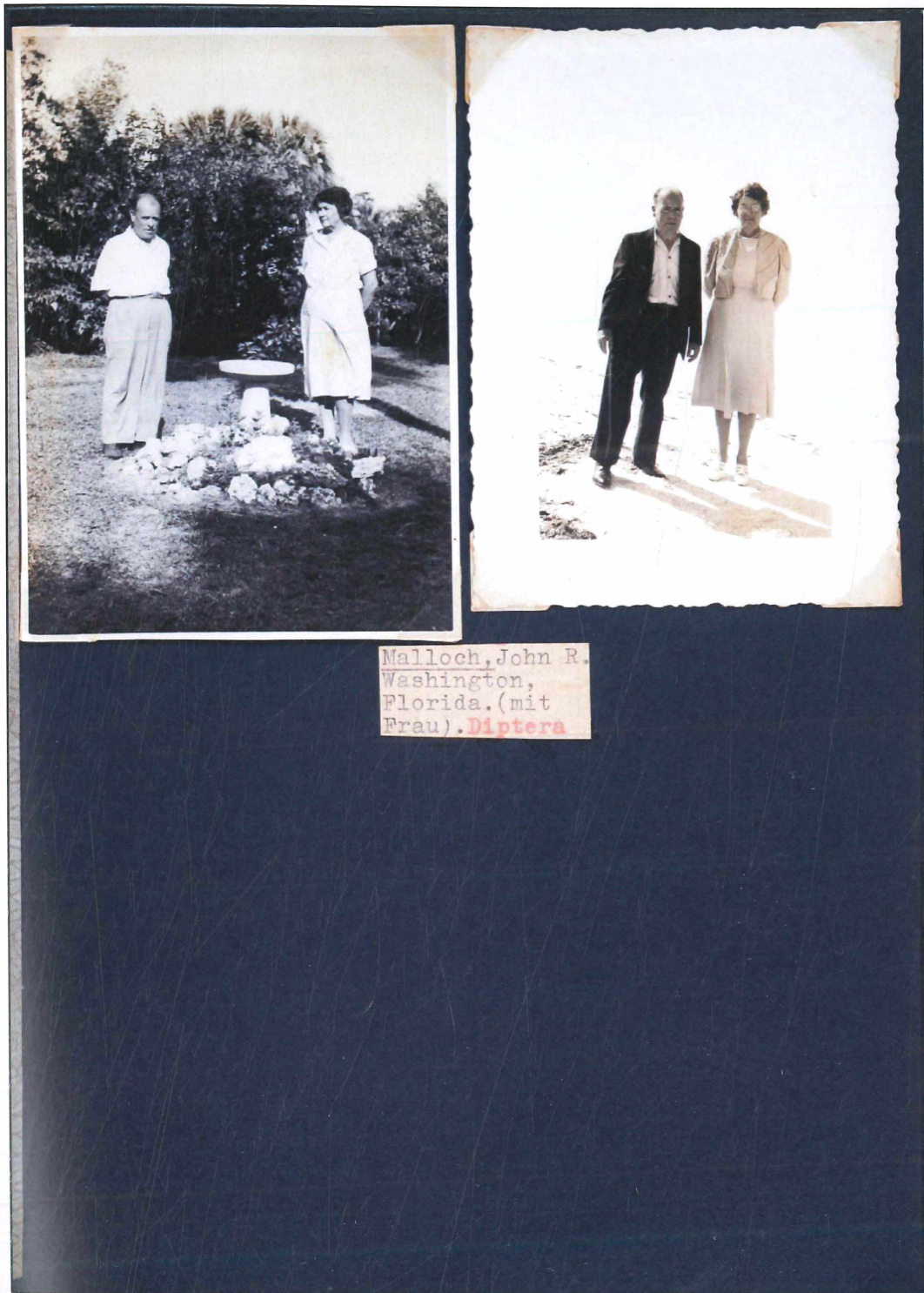


Fig. 17: Klimesch, Josef, Linz, 1934-44. Microlepidopt.



Fig. 18: Top left: Klimesch, Josef. "1944". Top right: Linnaniemi, Walter M., Turku, Vater der Mineral-Forschung! 1913. Bottom right: Meder, Oskar, Kiel 1933. Microlepid., Mineralien.



Malloch, John R.
Washington,
Florida. (mit
Frau). *Diptera*

Fig. 19: Malloch, John R., Washington, Florida (mit Frau) *Diptera*.

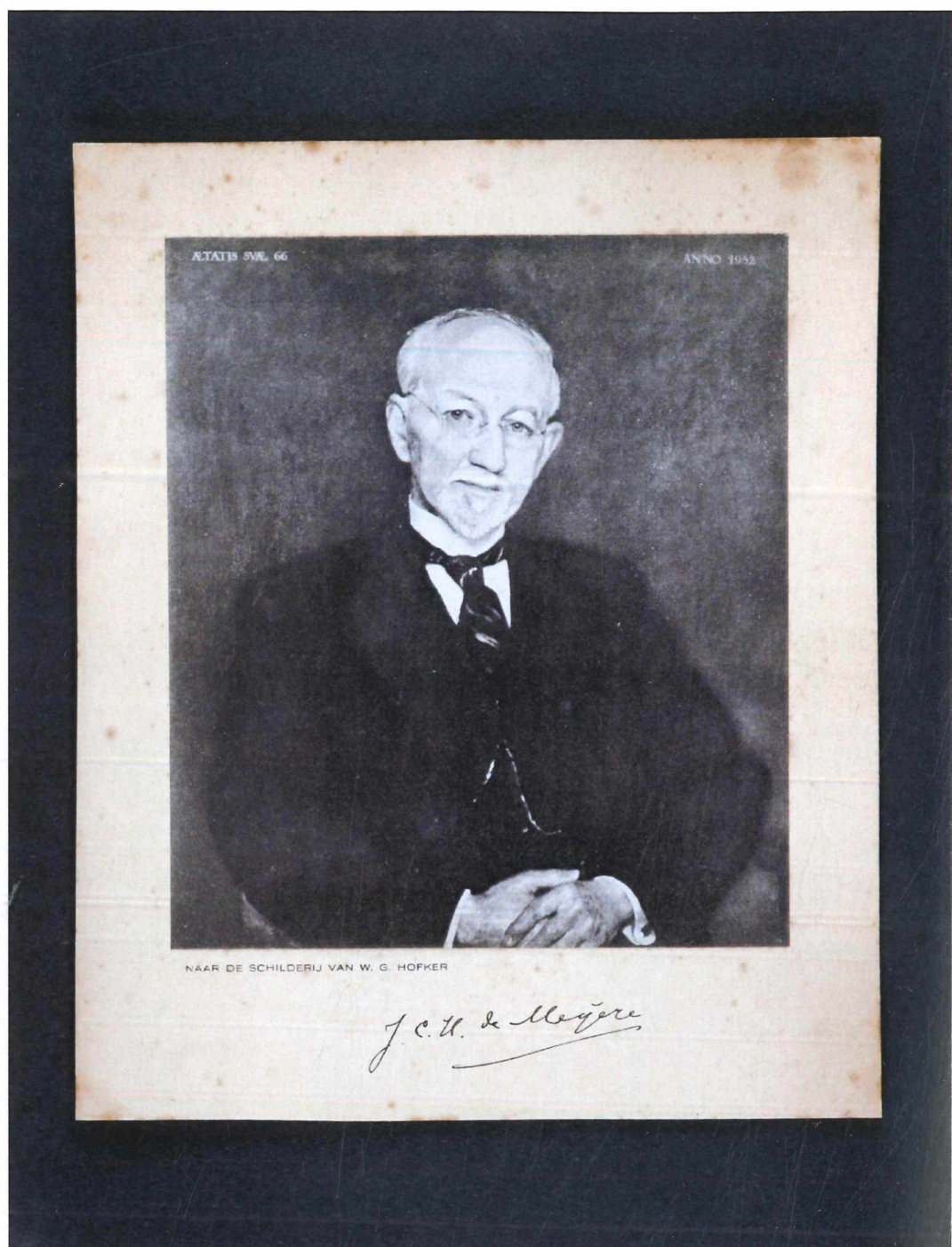


Fig. 20: De Meijere, J. C. H., 1932.

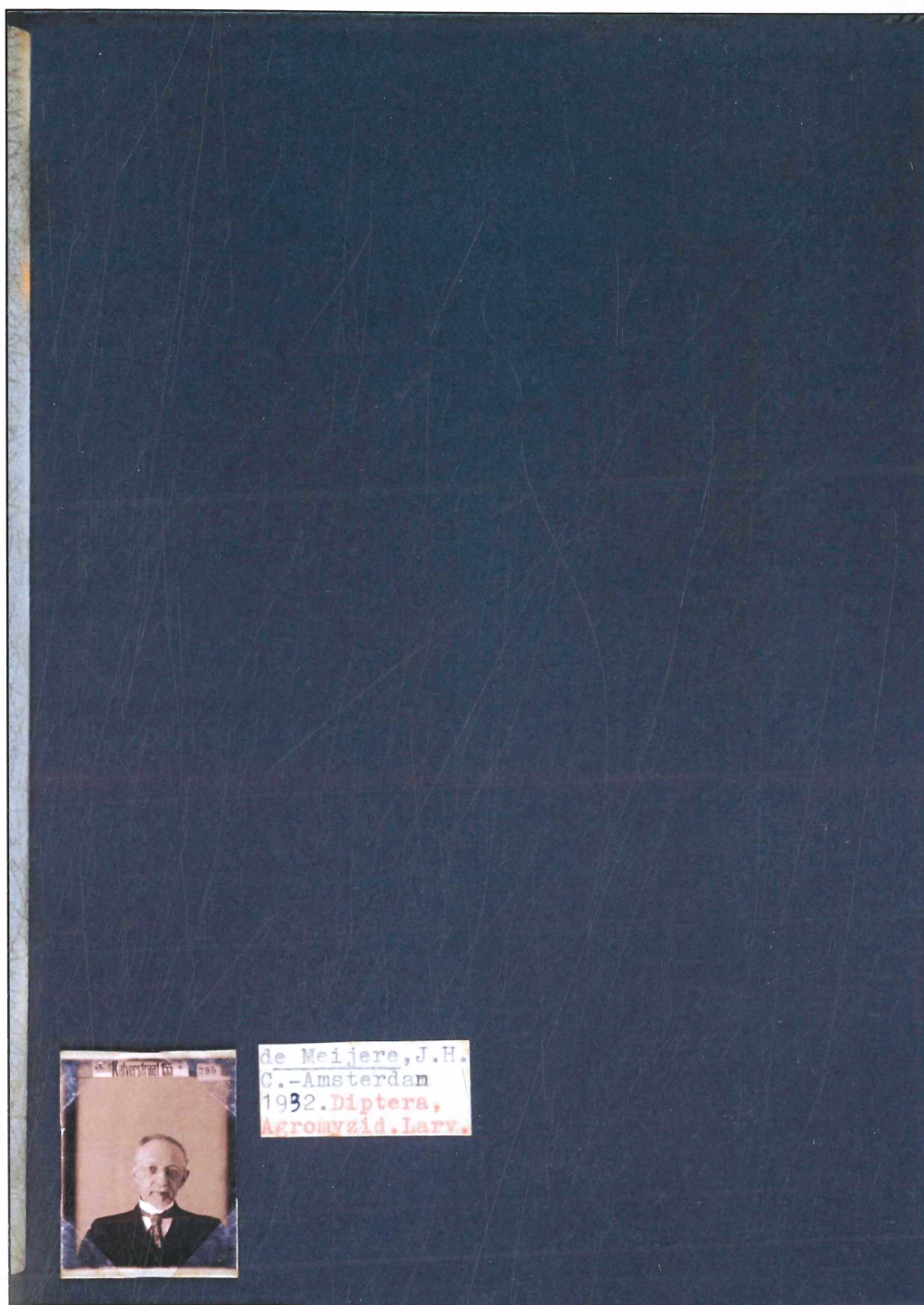


Fig. 21: De Meijere, J. H. C. - Amsterdam 1932. Diptera, Agromyzid. Larv.

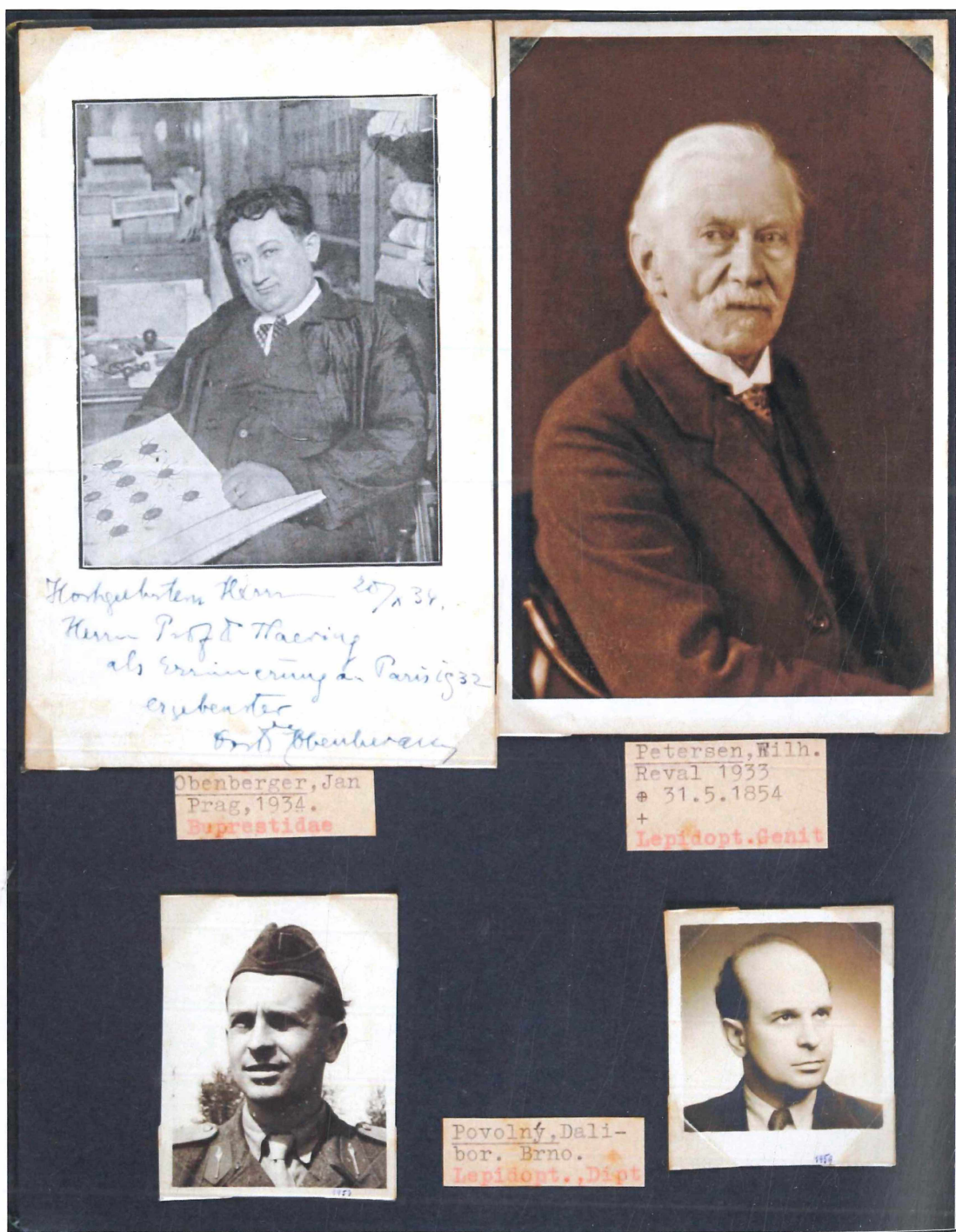
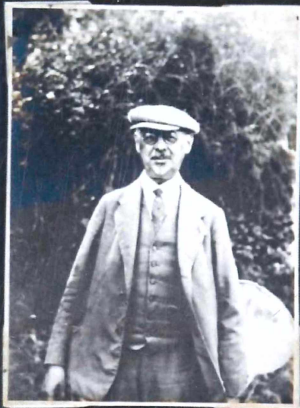
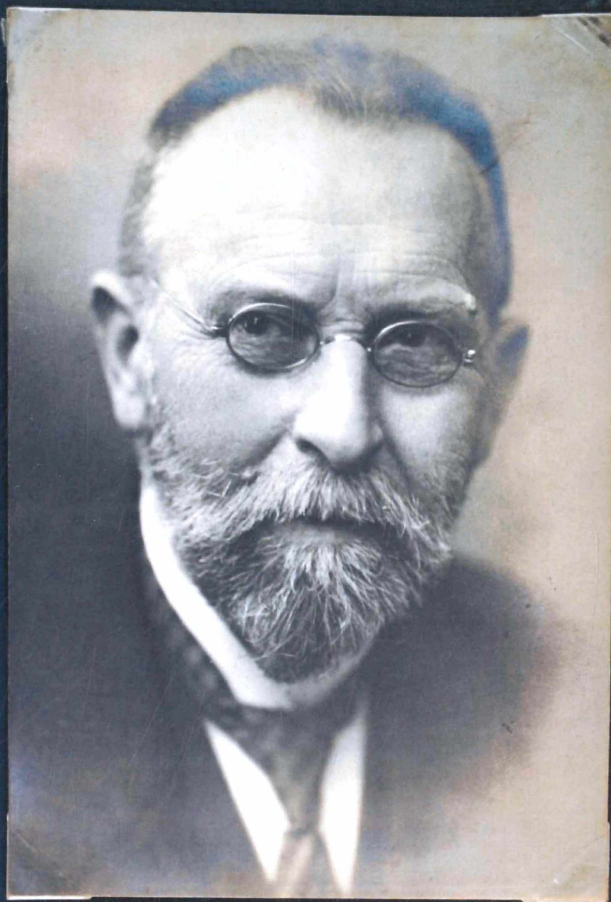


Fig. 22: Top left: Obenberger, Jan, Prag, 1934. Buprestidae. "Hochgeehrtem Herrn Herrn Prof. Dr. Haering als Erinnerung an Paris 32 ergebenster Jan Obenberger [illegible 34]". Top right: Petersen, Wilh.[elm] Reval 1933 *31.5.1854 † Lepidopt. Genit. Bottom: Povolný, Dalibor. Brno. Lepidopt., Dipt. [photos: 1953, 1959].



Riedel, M.P.
Frankfurt/Oder
1936. **Diptera.**



Petry, Anton
Nordhausen
* 12.2.1858
+ 3.3.1932
Lepidopt. Biol.

Fig. 23: Left: Riedel, M.P. Frankfurt/Oder 1936. Diptera. Right: Petry, Anton, Nordhausen *12.2. 1858 †3.3.1932 Lepidopt. Biol.

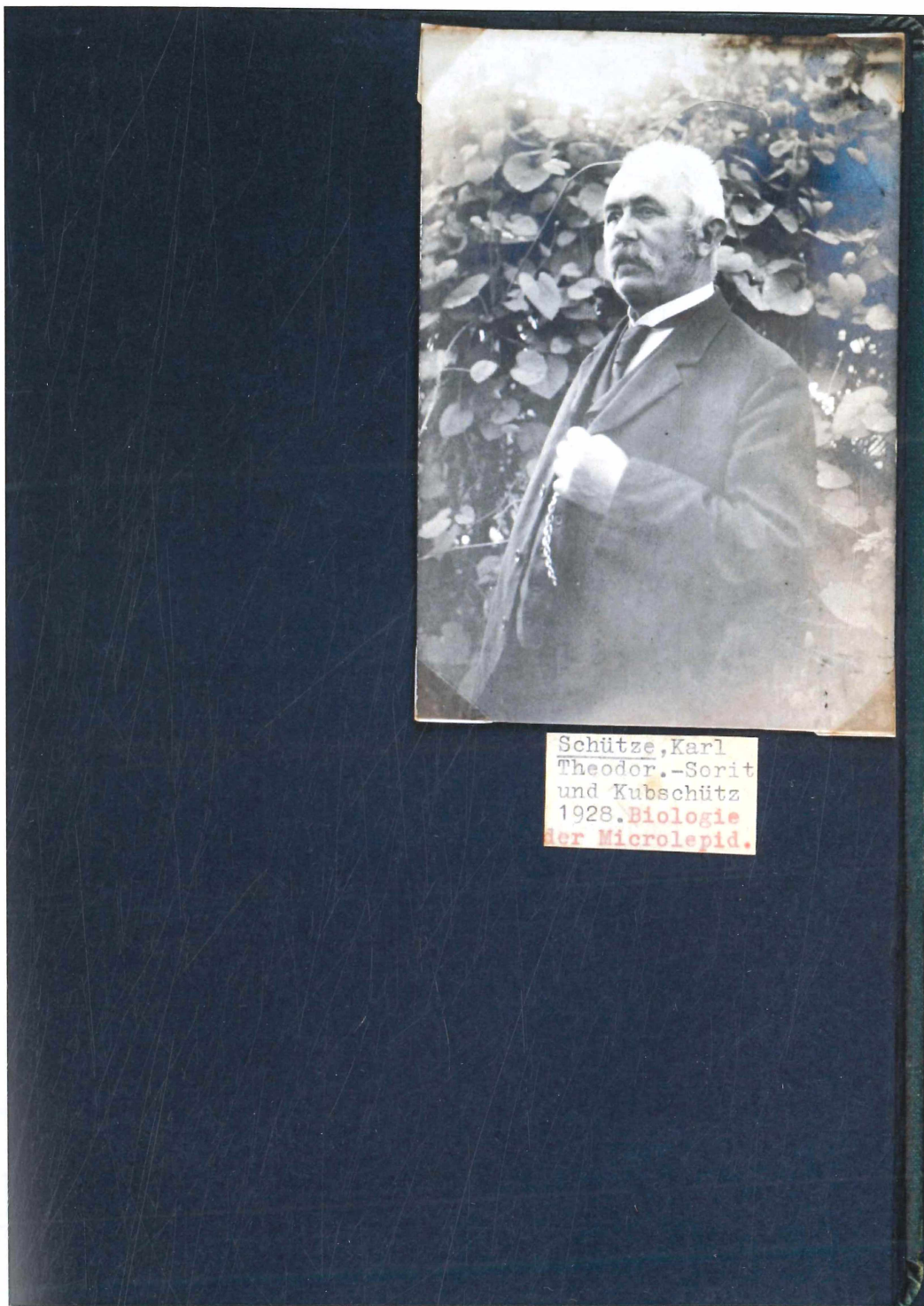


Fritz Plaumann
Der Verfasser

Seydel, Chr.
Elisabethville,
Congo.-Erfolg-
reicher Samml.
u. Züchter von
Lepidopt. 1950.
Sammler und
Sammlung beim
UNO-Angriff
auf Elisabeth-
ville vernicht

Plaumann, Fritz
Nova Teutonia
Erfolgreicher
Sammler v. Lep.
u. anderen Ins.

Fig. 24: Left: Seydel, Chr. Elisabethville, Congo.-Erfolgreicher Samml. u. Züchter von Lepidopt. 1950. Sammler und Sammlung beim UNO-Angriff auf Elisabethville vernichtet. Right: Plaumann, Fritz, Nova Teutonia, Erfolgreicher Sammler v. Lep. u. anderen Ins.



Schütze, Karl
Theodor. - Sorit
und Kubschütz
1928. **Biologie**
der Microlepid.

Fig. 25: Schütze, Karl Theodor - Sorit und Kubschütz 1928. Biologie der Microlepid.

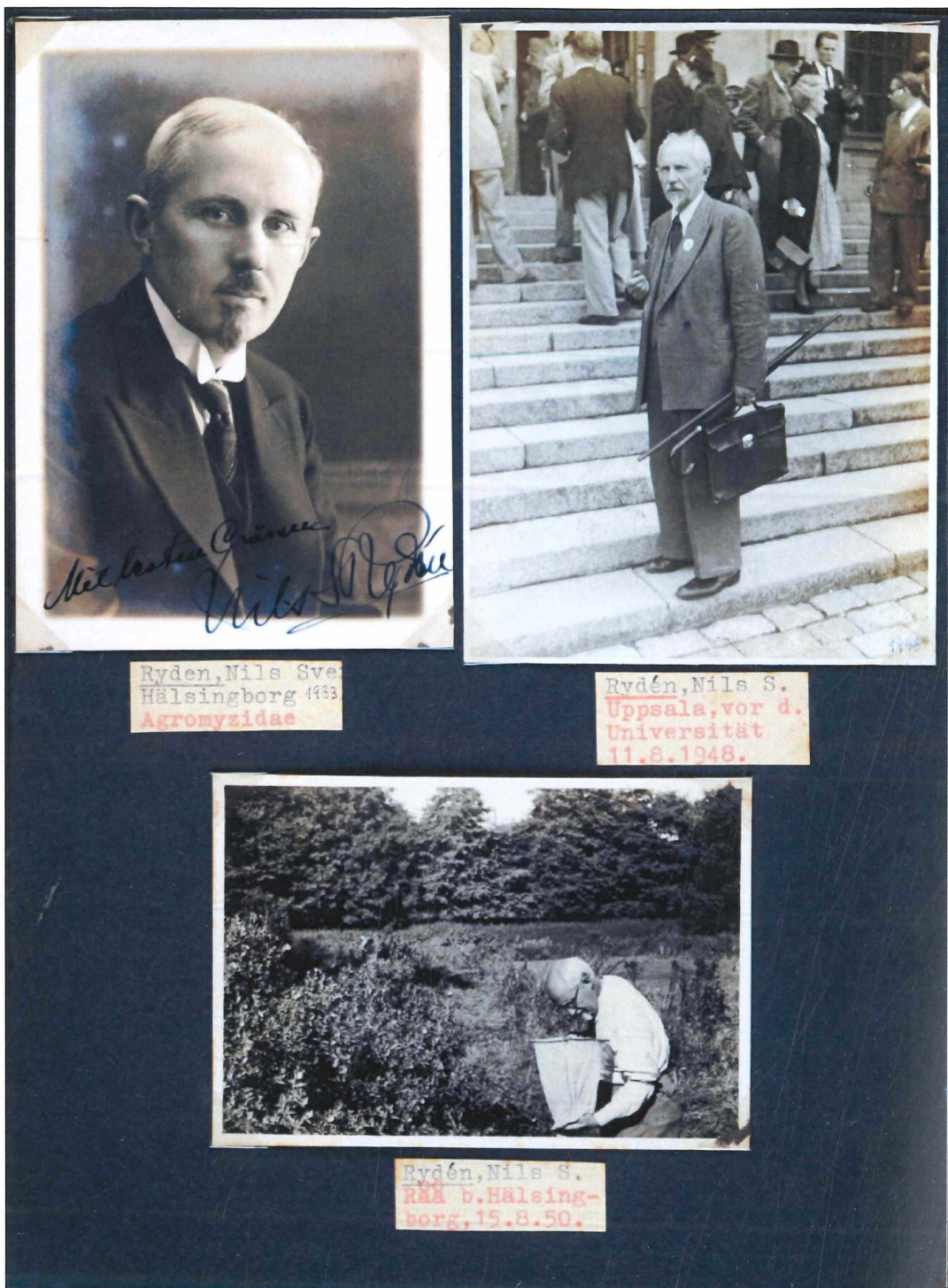


Fig. 26: Left: Rydén, Nils Sven, Hälsingborg 1933, Agromyzidae. “[illegible y] 1933, mit besten Grüßen Nils Sven Rydén“. Right: Rydén, Nils S., Uppsala, vor d. Universität 11.8.1948. Bottom: Rydén, Nils S., Råå b. Hälsingborg, 15.8.50.



Rydén, Nils S.
mit F₁ & F₂
in seinem Gar-
ten in Hälsing-
borg, Skånegata
41. 10.6.1953



Rydén, Nils S. &
Hering, E.M.
Råå b. Hälsing-
borg
15.8.1950.

Fig. 27: Top: Rydén, Nils S. mit F₁ & F₂ in seinem Garten in Hälsingborg, Skånegata 41. 10.6.1953.
Bottom: Rydén, Nils S. & Hering E.M. Råå b. Hälsingborg, 15.8.50.



Fig. 28: Top left: Sönderup, H.P.S., Maribo, Dänemk., Lepidopt., Col. Minenzuchten. Top right: Sönderup, H.P.S., Maribo, 1.2.34. Bottom left: Sönderup, H.P.S., *10.8.1870. Maribo 1934. Bottom right: Sönderup, H.P.S., Maribo, 1.7.1932.



Skandinavische
Entomologen
Österslöv 1954
von l. nach r.:
Lundqvist, Jens
Benander, Per
Feddersen, Tage
Burrau, Nils
Wolff, Nils L.
Carolsfeld-
Krausé, A.G.
van Deurs, Wilh.
Rydén, Harry



Pfingsten 1932
H. Skala

Skala, Hugo
Haid, Österreich
1932. Microlep.



Toll, Sergius
Graf von
(Bydgosz, Kato-
wice) Berlin
1942. Lepidopt.
Coleophora-Mon.

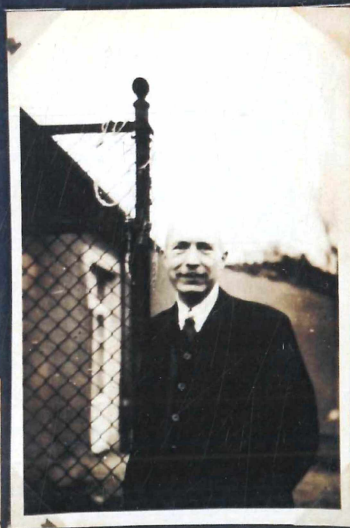


Fig. 29: Top left: Skandinavische Entomologen, Österslöv 1954, von l. nach r.: Lundqvist, Jens, Benander, Per, Feddersen, Tage, Burrau, Nils, Wolff, Nils L., Carolsfeld-Krausé, A.G., van Deurs, Wilh., Rydén, Harry. Top right: Skala, Hugo, Haid, Österreich 1932. Microlep. "Pfingsten 1932, Hugo Skala". Bottom: Toll, Sergius Graf von (Bydgosz, Katowice) Berlin 1942. Lepidopt. Coleophora-Mon.



Stackelberg
Prof. Dr. A.
Leningrad,
1965

Fig. 30: Stackelberg, Prof. Dr. A., Leningrad, 1965.

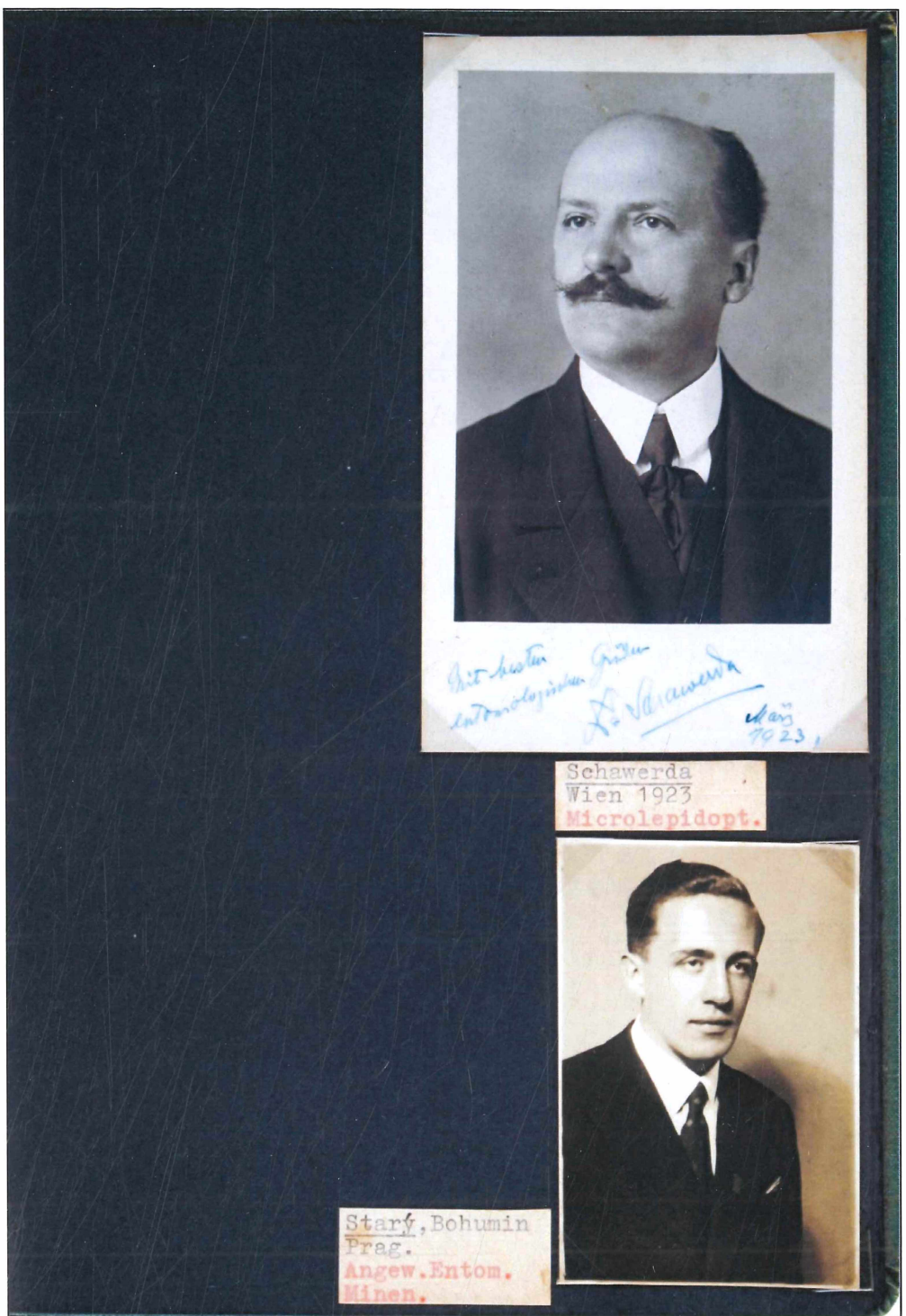


Fig. 31: Top: Schawerda [Karl], Wien 1923, Microlepidopt. "Mit besten entomologischen Grüßen Dr. Schawerda, März 1923." Bottom: Starý, Bohumin, Prag, Angew. Entom. Minen.



Fig. 32: Top left: Turati, Conte Emilio, Lepidoptera. Top right: Strand, Embrik, Berlin 1917, Lepidopt. Bibliographie, *2.VI. 1876. Bottom left: Voigt, Georg KW. Geisenheim. England 1948 Offenbach, Minen, Gallen, parasit. Pilze. Bottom right: Tullgren, Albert, Experimental-fältet. Angewandt. Ent. Minierer.

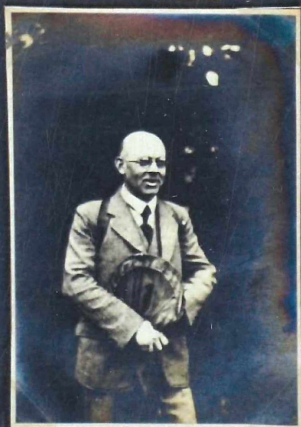


Vimmer(Wimmer)
Anton.- Prag.
Anatomie der
Dipt. Larven



Yours sincerely,
Edw Waters

Waters, G.R.
Oxford
Lepidoptera
Minen



Ziegenhagen
Landsberg,
Berlin. Diptera
1936 Berlin.

Fig. 33: Top left: Vimmer (Wimmer) Anton.-Prag. Anatomie der Dipt., Larven. Top right: Waters, G.R. Oxford, Lepidoptera Minen. "Yours sincerely, Edwin Waters." Bottom: Ziegenhagen, Landsberg, Berlin. Diptera 1936 Berlin.

Alphabetical list of the leafmine experts

Aczél Martin Ladislao (8 June 1906 Budapest, Hungary - 28 April 1958)

Hungarian Dipterologist; emigrated to South America in 1948 and worked as contract professor of entomology at the University of Tucuman (Argentina).

Scientific focus: Taxonomy of Neotropical Diptera; Tephritidae (Trypetinae).

Amsel Hans Georg (29 March 1905 Bensberg, Germany - 20 October 1999
Karlsbad, Germany)

German Microlepidopterist; head of entomological department in the Museum für Naturkunde in Karlsruhe; initiator and editor of the monographic series "Microlepidoptera Palaearctica".

Scientific focus: Taxonomy of Microlepidoptera.

Bang-Haas, Otto (20 January 1882 Dresden, Germany - 30 July 1948, Dresden, Germany)

Insect dealer, owner of the company "Dr. O. Staudinger & A. Bang-Haas"; son of Andreas Bang-Haas, grandson of Otto Staudinger.

Scientific focus: Lepidoptera (*Parnassius*, *Colias* and Arctiidae).

Bodenheimer Frederick Simon (6 June 1897 Cologne, Germany - 4 October 1959)

Professor of Zoology at the Hebrew University, Jerusalem.

Scientific focus: Applied entomology.

Bryk Felix (21 January 1882 Vienna, Austria - 13 January 1957, Solna, Sweden)

Lived in many different countries; worked at the entomological department of the Naturhistoriska Riksmuseum in Stockholm; published some parts of the "Lepidopterorum Catalogus" (e.g. Pericopinae).

Scientific focus: Anthropology, Lepidoptera (genus *Parnassius*), Linné.

Buhr Herbert (22 December 1902 Teterow, Germany - 20 May 1968 Mühlhausen, GDR)

University lecturer for Botany and Pharmacognosy; employee of the DEI (plant cultivation, pest control).

Scientific focus: gall building insects; leafmines, parasitic fungi.

Duda Pavel (Paul) Theodor Friedrich Oswald (11 April 1869 Schlesien - 21 November 1941, Habelschwerdt [Bystrzyca Kłodzka], Poland)

Scientific focus: Diptera.

Escherich Karl Leopold (18 September 1871 Schwandorf, Germany - 22 November 1951 Kreuth, Germany)

Forest entomologist; Professor for Zoology at the University of Munich; initiator and co-founder of the "Deutsche Gesellschaft für angewandte Entomologie", founder and editor of "Zeit-

schrift für angewandte Entomologie“; editor of the revised edition of “Die Forstinsekten Mitteleuropas“.

Scientific focus: Forest entomology.

Frick Kenneth Eugene (27 April 1917 San Jose, USA - 12 January 1992 Tupelo, USA)

American Dipterologist; played a key role in the development of the biological control of weeds programme in the USA.

Scientific focus: Agromyzidae; biological control of weeds.

Frost Stuart Ward (4 December 1891 Tarrytown, NY, USA - 21 January 1980)

Professor of Entomology at Pennsylvania State University; development of light traps.

Scientific focus: Diptera (leafminers).

Greguss Pál (31 December 1889 Turnu, Romania - 23 March 1984 Szeged, Hungary)

Botanist.

Groschke Franz (3 December 1914 Bad Reinerz [Duszniki-Zdrój], Poland - 4 January 1956 Stuttgart, Germany)

Lepidopterist; thesis: “Die Kleinschmetterlinge der Grafschaft Glatz“; worked at forest departments, later head of entomological department at Staatliches Museum Stuttgart.

Scientific focus: Microlepidoptera; leafminers.

Gudmann Frederick Carl Julius Emil (11 March 1869 Copenhagen, Denmark - 11 March 1932 Copenhagen, Denmark)

Microlepidopterist; collected together with W.v. Hedemann in West-India and Mexico.

Scientific focus: Microlepidoptera.

Hamm Albert Harry (1861-1951)

Assistant at the Hope Museum in Oxford.

Scientific focus: Lepidoptera; courtship behaviour of Empididae.

Hendel Friedrich Georg (14 December 1874 Vienna, Austria - 26 June 1936 Baden, Austria)

Dipterologist; teacher; 133 publications; “Blattminenkunde Europas“; some monographs in “Genera Insectorum“.

Scientific focus: Taxonomy of Diptera (Muscidae); mining Diptera.

Hoffmann Fritz (8 February 1873 Brno, Czech Republic - 15 October 1945 Graz, Austria)

Austrian (Styrian) Lepidopterist; more than 250 publications; main opus: “Die Schmetterlinge Steiermarks“; emigrated in 1920 to Brazil and collected Brazilian Lepidoptera; returned to Austria in 1939 and started to collect leafmines in 1940.

Scientific focus: Lepidoptera (Styria, Brazil); leafminers.

Holik Otto Karl (16 February 1881 Bielitz, (today in Poland) - 4 November 1963 Dresden, GDR)

Owner of a printery; scientific associate of “Dr. O. Staudinger & A. Bang-Haas”.
Scientific focus: Lepidoptera (Zygaenidae).

Ito Syusiro (20 July 1920 - 3 December 2016)

Scientific focus: Tephritidae.

Joannis Joseph de (6 June 1864 La Meignanne, France - 27 October 1932 Paris, France)

French clergyman; Lepidopterist; president of the “Société entomologique de France”.
Scientific focus: Lepidoptera.

Jøker Astrid (25 April 1883 - 17 December 1946)

Founder of the leafminer herbarium in the Copenhagen museum.
Scientific focus: leafminers.

Jordan Heinrich Ernst Karl (7 December 1861 Almstedt, Kingdom of Hannover - 12 January 1959 Tring, England)

Famous entomologist; director of the Rothschild Museum in Tring; more than 400 publications; more than 2,500 new species; numerous species are named after him; International Code of Zoological Nomenclature.

Scientific focus: Lepidoptera, Coleoptera, Siphonaptera (rat flea - transmitter of plague).

Jones Wyatt W. (1879-?)

Entomologist, USA.

Scientific focus: Mining Microlepidoptera (Nepticulidae).

Karl Otto Johann Hermann (20 December 1868 Alt-Belz, Pomerania - 7 April 1945 Stolp, Pomerania)

Scientific focus: Diptera (Muscidae).

Karsch Ferdinand Anton Franz (2 September 1853 Münster, Germany - 20 December 1936 Berlin, Germany)

Entomologist; assistant at the “Zoologisches Museum für Naturkunde” in Berlin.

Kato Shizuo (1906-1962)

Entomologist; Tokyo.

Klimesch Josef Wilhelm (5 May 1902 Budweis, Bohemia - 17 September 1997 Linz, Austria)

Austrian microlepidopterist, breeder and collector; about 130 publications; honorary member of many entomological societies; collection containing about 130,000 specimens (7,000-10,000 types); about 20,000 leafmine herbarium sheets.

Scientific focus: Microlepidoptera (Nepticulidae); leafminers.

Kuroko Hiroshi (born 23 January 1923)

Microlepidopterist, Associated Professor at the Entomological Laboratory of the Osaka Prefecture University; JICA expert in Thailand; adviser in Kaizuka City Museum of Natural History.

Scientific focus: Taxonomy of Microlepidoptera (Cosmopterigidae).

Lhomme Léon (30 April 1867 Lille, France - 24 April 1949)

French Lepidopterist; founder of „L' Amateur de Papillons“.

Scientific focus: Microlepidoptera.

Linnaniemi Walter Mikael (25 October 1876 Joensuu, Finland - 2 March 1953 Kauniainen, Finland)

“Father of mine research“; Professor for entomology at the University of Helsinki; later Professor for Zoology at the University of Turku.

Scientific focus: leafminers.

Malloch John Russel (16 November 1875 Milton of Campsie, Scotland - 1963)

Scottish entomologist, emigrated to the USA in 1910.

Scientific focus: Diptera, Hymenoptera.

Meder Oskar (1 October 1877 Georgenburg, East Prussia - 13 March 1944 Kiel, Germany)

Scientific focus: Microlepidoptera, leafmines.

Meijere Johannes Cornelius Hendrik de (1 April 1866 Deventer, The Netherlands - 6 November 1947 Amsterdam, The Netherlands)

Scientific focus: Diptera (Agromyzidae).

Obenberger Jan (15 May 1892 Prague, Bohemia - 30 April 1964)

Head of zoological department in the National Museum of Prague; Buprestidae volume in “Coleopterorum Catalogus“.

Scientific focus: Coleoptera (Buprestidae).

Petersen Wilhelm Konstantin (31 May/12 June 1854 Leal, Estonia - 3 February 1933 Tallinn)

Scientific focus: Lepidoptera, leafminers.

Petry Anton (12 February 1858 - 3 March 1932)

Scientific focus: Lepidoptera.

Plaumann Fritz (2 May 1902 Preußisch Eylau, Prussia - 22 September 1994 Seara, Brazil)

Entomologist, emigrated to Brazil in 1924; collection of 80,000 insect specimens in "Museu Entomológico Fritz Plaumann".

Povolný Dalibor (13 November 1924 Trebic, Moravia - 6 November 2004)

Moravian entomologist; Professor of Zoology at the University of Agriculture in Brno; 350 publications.

Scientific focus: Microlepidoptera (Gelechiidae - Gnorimoschemini).

Riedel Max Paul (19 February 1870 Magdeburg, Germany - 27 March 1941 Frankfurt/Oder, Germany)

Scientific focus: Diptera (Tachinidae, Tipulidae).

Rydén Nils Sven (10 June 1883 - 19 June 1961)

Swedish entomologist.

Scientific focus: Diptera (Agromyzidae).

Schawerda Karl (4 February 1869 Aujezd, Moravia - 11 September 1945, Vienna, Austria)

Gynaecologist; lepidopterist; 125 publications; described 41 new species; Macrolepidoptera collection with more than 50,000 specimens.

Scientific focus: Lepidoptera.

Schütze Karl Theodor (15 January 1900 Rachlau, Germany - 16 April 1986 Großpostwitz, GDR)

Scientific focus: Microlepidoptera.

Seydel Charles Henri Victor (29 September 1873 Bruxelles, Belgium - September 1960 Elisabethville, Belgian Congo)

Successful collector and breeder of Lepidoptera in Belgian Congo. "Collector and collection annihilated during UNO-attack on Elisabethville" (HERING: photo album).

Scientific focus: Lepidoptera.

Skala Hugo Otto Viktor (25 January 1875 Brno, Moravia - 29 May 1952 Haid bei Ansfelden, Austria)

Lepidopterist; more than 80 publications; leafmine herbarium with 7,400 specimens.

Scientific focus: Microlepidoptera.

Sønderup Hans Peter Steffen (10 August 1870 - 1954)

Scientific focus: Lepidoptera, Coleoptera, leafminers.

Stackelberg Alexandr Alexandrovich (22 April 1897 St. Petersburg, Russia - 23 November 1975)

Dipterologist; head of the entomological department at the Zoological Museum of the Academy of Sciences, more than 160 publications.

Scientific focus: Taxonomy of Diptera (Syrphidae).

Stary Bohumil (2 January 1908 Drzkov, Bohemia - 7 March 1988, Prague, Czechoslovakia)

Scientific focus: applied entomology.

Strand Embrik (2 June 1876 Ål, Norway - 3 November 1947 Riga, Latvia)

Norwegian entomologist; worked at different museums in Norway and Germany; Professor of Zoology at the University of Riga.

Scientific focus: Lepidoptera.

Toll Sergiusz Graf von (22 November 1893 Warsaw, Poland - 19 December 1961 Katowice, Poland)

Coleophoridae specialist; collection of 90,000 Lepidoptera specimens (including 15,000 Coleophoridae specimens); described about 280 Coleophoridae species as new.

Scientific focus: Taxonomy of Lepidoptera (Coleophoridae).

Tullgren Albert (7 September 1874 - 1 July 1958)

Scientific focus: applied entomology, leafminers.

Turati Emilio, Conte (27 October 1858 Orsenigo, Italy - 23 September 1938 Gardone, Italy)

Italian Lepidopterist; 67 publications; in 1938 biggest collection of palaearctic Lepidoptera in Italy.

Scientific focus: Italian Lepidoptera.

Vimmer (Wimmer) Antonin (18 July 1864 Novosedly [today in Czech Republik] - 30 April 1941 Prague, Czechoslovakia)

Scientific focus: Diptera.

Voigt Georg

Scientific focus: Mines, galls, parasitic fungi.

Waters Edwin George Ross (1890-1930)

Scientific focus: British Microlepidoptera (Oxford), mines.

Ziegenhagen Richard (4 September 1891 Breitebruch, Germany - 7 May 1945 Berlin, Germany)

Scientific focus: Diptera, Hymenoptera.

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