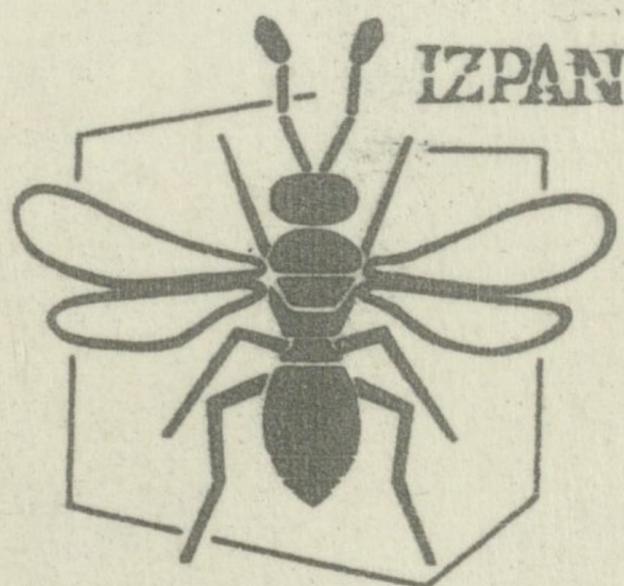


INSTITUTE
OF ZOOLOGY

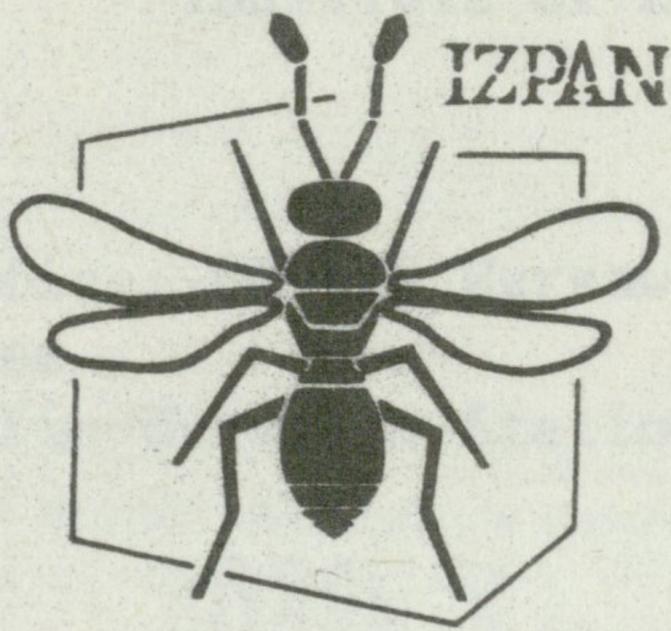
Polish Academy
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Polish Academy of Sciences

INSTITUTE OF ZOOLOGY

Head Office: 00-679 Warsaw, Wilcza 64,
Poland

Scientific-Research Station: Łomna-Las,
05-150 Łomianki

Ornithological Station: 80-680 Gdańsk-
-Górki Wsch., Nadwiślańska 108

Director of the Institute: Prof. Henryk
Szelegiewicz

Deputy Director for the Scientific Acti-
vities: Prof. Adolf Riedel

Deputy Director for the Economic Activi-
ties: M.Sc. Leonard Lysiak

The Chairman of the Scientific Council:
Prof. Romuald Klekowski, correspondent
-member of the Polish Academy of
Sciences.

I. Short history

- 1919. National Museum of Natural History was established by an Act of Ministry of Education, edited on 24 Sept. 1919 /from 1921 - Polish State Museum of Natural History/. The Zoological Cabinet of the Warsaw University /established 1819/ and the Branicki's /established 1887/ merged and the Zoological Section of the above mentioned Museum was founded. The present Institute of Zoology is a continuation of it;
- 1921. The first volume of the periodical ANNALES ZOOLOGICI was issued /initially entitled "Annales Zoologici Musei Polonici Historiae Naturalis", from 1928 as "Annales Zoologici Musei Polonici Historiae Naturalis", then from 1954 under the title first mentioned/ - 34 volumes have been published hitherto;
- 1921. The first zoological expedition to Brazil, organized by the Museum /1921-1924: T.Chrostowski and T.Jaczewski/;
- 1928. Former Zoological Section renamed by an Act of 29 Feb. 1928, edited by the President of the Polish Republic, into the State Zoological Museum. It was situated in Krakowskie Przedmieście 26/28, Warsaw;
- 1929. Zoological expedition to Mexico /T.Wolski and T.Jaczewski/;
- 1930. Edition of the first volume the periodical FRAGMENTA FAUNISTICA /until 1953 under the title "Fragmenta Faunistica Musei Zoologici Polonici"/ - 24 volumes have been edited hitherto;

- 1931-1932. The first zoological expedition on the "Dar Pomorza" training ship to the Canary Islands, Brazil and Martinique /W.Roszkowski and S.Feliksiak/;
- 1933. Edition of the first volume of ACTA ORNITHOLOGICA /until 1953 under the title "Acta Ornithologica Musei Zoologici Polonici"/ - 15 volumes have been edited hitherto;
- 1933-1934. The second zoological expedition on the "Dar Pomorza" ship organized to the Canary Islands, Cape Verde Islands, Brazil, Angola and South Africa /W.Roszkowski and J.Nast/;
- 1936. The Museum moved to Wilcza street, 64;
- 1937-1938. Three zoological expeditions organized to Madagascar, Nova Scotia /B.Kreczmer/, and Newfoundland /T.Jaczewski and S.Feliksiak/ and to Balkans and Turkey /S.Adamczewski and J.Nast/;
- 1939-1944. The Second World War time. The Museum suspended the major part of its activities. During the '44 Warsaw Uprising, the building was partly consumed by fire;
- Jan. 1945. The Museum's activities were resumed;
- 1951. Continuation of "Fauna Słodkowodna Polski" - The Fresh Water Fauna of Poland - /founded in 1935/, 7 numbers have been edited to date;
- mid. 1953. The Zoological Institute of the Polish Academy of Sciences was established by a Resolution of Ministerial Committee, dated on 26 Sept. 1952. The Institute comprised: State Museum of Zoo-

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- logy as the Institute's Centre, and Museums of Natural History in Łódź and Poznań as the Affiliated Departments;
- 1954. Former Museum of the Polish Academy of Learnings in Kraków affiliated to the Institute, as the Affiliated Department;
 - 1954. The Morphology and Biology of Mammals Department, organized by the Institute and situated at Białowieża;
 - 1955. Edition of the first volume of ACTA THERIOLOGICA /from 1957 as an organ of the Mammals Research Institute P.A.S./;
 - 1956. The Institute may grant the title of Biology /the first dissertation took place in 1958/;
 - 1956. Edition of the first volume of ACTA CRACOVIENSIA, an organ of the Affiliated Department in Kraków;
 - 1956. The Ornithological Station of the Institute is established in Górki Wschodnie;
 - from 1957. The Morphology and Biology of Mammals Department becomes Mammals Research Institute P.A.S. with an independent management;
 - 1958. Edition of the first volume of MEMORABILIA ZOOLOGICA, dedicated to the history of zoology - 31 numbers have been edited to date;
 - 1959. Permanent zoological exhibition organized in The Culture and Science Palace in Warsaw;
 - 1960. Edition of the first volume of a new series "Katalog Fauny Polski" - Catalogue of the Fauna of Poland - 33 numbers have been edited hitherto;

- from Jan. 1962. Former Affiliated Department in Kraków becomes The Institute of Systematic Zoology of the Polish Academy of Sciences with an independent management;
- March 1962. Management of the Affiliated Department in Łódź is handed over to the University of Łódź, thus renamed as the Museum of Natural History;
- from 1971. The reorganization of the Institute's management structure and initiation of the new research studies;
- 1972. The Station established at Łomna-Las, in which the rich zoological collections of the Institute have been deposited;
- 1973. The Zoological Institute renamed into the Institute of Zoology P.A.S. /by an Act of the Secretary of Science of the Polish Academy of Sciences of 3 June 1973/;
- 1975. Edition of the first number of a new series "Klucze do oznaczania bezkręgowców Polski" - Keys for the identification of the Invertebrates of Poland - 3 numbers have been edited hitherto;
- mid. 1975. The former Affiliated Department of the Institute in Poznań had its management handed over to the Institute of Ecology of the Polish Academy of Sciences.

List of Former Directors and Heads of the institution

National Museum of Natural History

Director: Konstanty Janicki

/1.10.1919 - end of 1920/

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Vice-Director: Jan Sztolcman

Polish State Museum of Natural History

Director: Antoni Józef Wagner
/1921-1928/

State Museum of Zoology

Directors and Heads:

1928-1929 Władysław Poliński
/Deputy Director/

1929-1935 Wacław Roszkowski
/Director/

1935-1936 Janusz Domaniewski
/Head/

1937-1939 Tadeusz Jaczewski
/Head/

1940-1944 Kazimierz Tarwid
/Deputy Head/

1945-1952 Stanisław Feliksiak
/Director/

The Zoological Institute of the Polish
Academy of Sciences

1953-1958 Tadeusz Jaczewski
/Director/

1958-1.05.1971 Janusz Nast
/Director/

from 05.1971 Henryk Szelegiewicz
/Director/

II. Structure of the management and
scientific activities

1. The Department of Morphology and Systematics of Animals

Research activities are carried out in the fields of comparative morphology, taxonomy and zoogeography of animals with a particular regard to the fauna in Poland.

One of the major aims is the preparation and edition of essential monographs on zoology /Fauna of Poland, Keys for the identification of animals, Catalogue of the Polish Fauna/. Under the auspices of the Department, there operates a section of the zoological collections /Head: Asst. Prof. Wojciech Starega/ aimed at accumulation, scientific description, preservation and render accessible the collections to the Polish and foreign specialists.

In 1971-75, the Department participated in realization of the problem PAN-27, and carried out a wide-ranged faunistic research in the Carpathian Mountains /Bieszczady, Pieniny/ and prepared a dozen or so essential zoological monographs. At present, the Department participates in the research work on the problem MR.II.3 "Fossil and the present day faunas of Poland". Moreover, ten fundamental monographs are in preparation, research activities are carried out on xerothermophilous fauna of Poland and also the studies in the fields of anatomy, karyology and chemotaxonomy of aphids.

Basic papers of the Department /the monographs and keys/ form the indispensable help for the related branches of biology, agriculture /veterinary, plant protection/ and forestry /protection of forests/. They are also very useful in didactics for the departments of biology and protection of plants in High Schools.

The Department employs 14 scientific workers and 6 technicians. Moreover, there are 4 retired workers acting

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/Prof. Stanisław Feliksiak, Prof. Janusz Nast, Ph.D. Bolesław Burakowski and Ph.D. Matylda Gąsowska/.

Head of the Centre: Prof. Henryk Szelegiewicz - Homoptera-Sternorrhyncha, theory of taxonomy

Personal Staff:

Prof. Stanisław Adamczewski - Lepidoptera, butterflies and moths migration

Prof. Władysław Bazyluk - Orthoptera

Prof. Adolf Riedel - Mollusca, zoogeography

Assit. Prof. Kazimierz Galewski - Coleoptera aquatica

Assit. Prof. B.M. Mroczkowski - Coleoptera terrestria, zoogeography

Assit. Prof. Anna Liana - Orthoptera - origin of the Polish fauna

Assit. Prof. Wojciech Starega - Aranei and Opiliones

Ph.D. Eugeniusz Kierych - Cynipoidea and Aphidiidae /Hymenoptera/, parasite-host interrelations

Ph.D. Maria Prószyńska - Cladocera and Copepoda

Ph.D. Halina Rolik - Pisces

M.Sc. Adam Kędziorek - Heteroptera

M.Sc. Krzysztof Teisseyre - Aphidodea /Homoptera/

2. Department of Zoocoenology

Research activities are carried out on the structure of fauna in some typical habitats in Poland, in regard of the economic exploitation and an influence on that structure of various forms of anthropogenic pre-

pressure is being discussed. Methodological principles of faunal research with a particular attention to the quantitative methods are elaborated together with an initiation of the prognostic methods of faunistic changes.

In 1971-75 there were carried out ecological and faunistic investigations of zoophagous insects control in the density of aphids which are alfalfa pests /Problem 09.1.3., co-ordinator: Institute of Plant Protection/, monogynism and polygynism of ants and the possibility of using this phenomenon in forest protection /Problem 09.2.1., co-ordinator: The Forest Research Institute/, on an influence of urban greens on development of environment /Problem No 114, co-ordinator: Research Institute on Environmental Development/, and also piloting tests of an influence of anthropogenic pressure on fauna /the research work for the Institute's own needs/. At present, a wide-ranged research work is carried out on influence of anthropogenic pressure on fauna of Warsaw agglomeration /Problem MR.II.15, co-ordinator: Institute of Ecology/. The Institute cooperates with the Research Institute on Environmental Development /Problem PR-5/ in the field of zoocoenological examination of the principles of housing estates' planning with an example of Białołęka Dworska.

Additionally, the Department participates in the Problem MR.II.16 /co-ordinator: The Paleobiological Institute/ realization and prepares theoretical

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principles of homeostasis of terrestrial ecosystems.

The results of the research work of the Department play a key role in determination of the main factors that influence a formation of profitable or destructive from the economic point of view, faunistic complexes, and form a base for the future programming of a landscape formation of various kinds. Research activities on the influence of anthropogenic pressure on fauna lead to an estimation and prognosis of fauna systems in various types of urban structure. The obtained results of the research work are used in designing the housing estate in Białołęka Dworska.

The Department employs 26 scientific workers and 10 technicians.

Structure and the Research Staff of the Department

Head: Assit. Prof. Bohdan Pisarski - Formicidae /Hymenoptera/, social insects and urban ecology

2.1. Division of Bioindication

Head: Prof. Przemysław Trojan - Tabanomorpha /Diptera/, ecology

Ph.D. Danuta Górka - Muscidae and Anthomyidae /Diptera/

Ph.D. Maciej Luniak - Aves, urbanization of birds

M.Sc. Irmina Pilipiuk - Lumbricidae /Annelida/, bioindication

2.2. Division of Soil Fauna

Head: M.Sc. Wojciech Czechowski - Carabidae /Coleoptera/

Ph.D. Wojciech Jędryczkowski - Gastropoda, Isopoda, Diplopoda

M.Sc. Anna Kubicka - Scarabaeidae /Coleoptera/

M.Sc. Eligiusz Nowakowski - Elateridae and Staphylinidae /Coleoptera/

M.Sc. Elżbieta Sobiepanek - Aranei

M.Sc. Maria Sterzyńska - Collembola

2.3. Division of Phytophagous Insects

Head: M.Sc. Elżbieta Chudzicka - Auchenorrhyncha /Homoptera/

M.Sc. Katarzyna Cholewicka - Curculionidae /Coleoptera/

Ph.D. Tomasz Jakub Nowakowski - Acalyptrata /Diptera/

M.Sc. Barbara Rychlik - Aphidodea /Homoptera/

M.Sc. Monika Wąsowska - Chrysomelidae /Coleoptera/

M.Sc. Grażyna Winiarska - Lepidoptera

2.4. Division of Zoophagous Insects

Head: Ph.D. Regina Pisarska - Cyclo-rrhapha /Diptera/

M.Sc. Wiesława Czechowska - Coccinellidae /Coleoptera/ and Neuroptera

M.Sc. Ewa Durska - Phoridae /Diptera/

Ph.D. Henryk Garbarczyk - Proctotrupoidea /Hymenoptera/

Ph.D. Agnieszka Mońko - Calyptrata /Diptera/

Ph.D. Janusz Sawoniewicz - Ichneumonidae /Hymenoptera/

M.Sc. Ewa Skibińska - Aculeata excl. Formicidae and Apidae /Hymenoptera/

M.Sc. Włodzimierz Sterzyński - Braconidae /Hymenoptera/

M.Sc. Elżbieta Wegner - Chalcididae /Hymenoptera/, Culicidae /Diptera/

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3. Ornithological Station

The Station is operating as an independent laboratory, carrying out ornithological research in the fields of ecology, birds migrations, also indicatory and economic significance of birds. The Station is also the centre, where birds are ringed and it has close connections with the appropriate organizations throughout the world /Euring, a team acting within the RWPG - Council for Mutual Economic Aid where information on the birds migrations is collected and worked up/.

In 1971-75, the Station participated in a Problem realization 09.1.7 /co-ordinator: Institute of Ecology, carrying out the observations and examination of the bird's role in agrocoenoses with particular attention to starling and the Corvidae.

At present, the Station takes part in the Problem MR.II.15 /co-ordinator: Institute of Ecology/, working out the subject "Indicatory and Economic Meaning of Birds Migrations".

The papers helped to understand a significance of rook and starling in agriculture and the bird contribution to dissemination of diseases of live stock in Żuławy. There are also works carried out on the birds' migration routes in order to make air flights more secure.

The Station employs 6 scientific workers and 6 technicians, of total 15 workers.

Personal Staff:

Head: Assit. Prof. Maciej Gromadzki

Ph.D. Jadwiga Gromadzka

Ph.D. Bolesław Jabłoński

Ph.D. Wojciech Kania

M.Sc. Wojciech Król

M.Sc. Maria Wieloch

4. Centre of Faunistic Documentation

Information on the occurrence and distribution of animals in Poland is collected in the Centre together with a detailed characteristics of fauna in Poland. The main purpose of the Centre is an estimation of the animal composition in Poland.

The Centre employs 1 scientific worker, 3 record-piling clerks and 2 technicians.

Head of the Centre: Ph.D. Waldemar Mikołajczyk - Nematocera /Diptera/

5. Scientific collections of the Institute

Division of the scientific collections is situated in the Station Łomna-Las and there are 5 persons employed.

Head of the Station: Ph.D. Wojciech Starega.

National Museum of Natural History took over two zoological collections existing at that time in Warsaw: the collection of the Zoological Cabinet of the Warsaw University and the one of private Museum of Branick's. The collecting the zoological materials for the first of the above mentioned was initiated by F.P. Jarocki in 1819, /the purchase of the zoological collection from Baron von Minkwitz of Silesia/, then the collection was enlarged by W. Taćzanowski. There were frequent and of great worth materials from Siberia and the Far East, collected by Polish exiles /B. Dybowski, W. Godlewski, H. Jankowski, J. Kalinowski and others/ and also from zoological expe-

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ditions, that had been organized by Counts Branicki to Algeria /W.Taczanowski and A.Waga/ and the South America /K.Jelski, J.Sztolcman, J.Kalinowski/. Huge collection of sea-shells was presented after the death of Count W.Lubomirski to the Museum of Branick's. Major part of the collection, excluding entomological collection has been preserved hitherto. After the '44 Warsaw Uprising in Autumn 1944, the invaders set fire to the Museum. There were considerable losses; the whole collection of insects including extremely valued Diptera collection of J.Sznabl and H.Dziedzicki, as the two upper floors were consumed by fire. The rest of the collection was saved and temporarily stored.

The zoological collections of the Institute are the greatest of that type in Poland, whereas collections of some taxonomical groups belong to the greatest ones in Europe. Some smaller collections /of certain spiders, birds, Mollusca and insects/ belong to the most valued collections of that type in a world scale. The collection includes dozen or so thousand of types of animals, documental materials for the zoological publications. Total number of specimens amounts to several million /they are stored in 200 cases on over the 900 m² area/. To the most valuable collections belong: the ornithological collection /especially the South American and East Asiatic birds, including some extinct species/, the malacological collection /especially the land and fresh-water snails - collections of W.Lubomirski, A.J.Wagner, QRetowski and W. Poliński/, the arachnological collection of

W.Kulczyński - the collection of a very great importance, and many others including very valued entomological collections. The latter have been reconstructed after the Second World War. The collections included those presented or purchased private collections and those discarded by the Germans. They have become completed by the scientific Staff activities carried out both in Poland and abroad /Mongolia, Korea, China, Vietnam, Indonesia, India, Iraq, Ghana, Cuba and Mediterranean, Balkan and Caucasian countries/.

6. Library

Head: M.Sc. Wiesława Laszczkowska

The Library comprises the greatest number of books on biology in Poland, and one of the greatest in Europe on zoology /ca. 200.000 volumes/.

At the beginning, there was a collection of books from the Museum of Branicki's, comprising 3212 volumes and numerous testimonials from the people. The collection of books grew larger and larger through book purchases and duplicate's exchanges. After 1921, when the first periodical of Institute ANNALES ZOOLOGICI appeared, the exchange increased more than ever. The further progressing exchange of publications between native and foreign institutions has become a source for collecting books for the Institute.

In 1939, the Library was exchanging its publications with 600 institutions in Poland and abroad. Collection of books comprised about 60.000 volumes.

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During the Second World War, the Library did not suffer much damage comparing with the rest of the Institute; approximately 10% of its collection has been damaged.

After 1945, big investments have helped the Library to progress. The Library, with the right to take over the collections of books on zoology, considerably have enlarged its collection. An exchange between various institutions has been resumed.

At present, the major stock of the Library are magazines /6370 titles, including 1325 currently complemented with/. The Library receives 1200 titles as an exchange of publications, and subscribes 125 titles. Among those actually being received, over 200 periodicals are dated in 19th cent. of its origin.

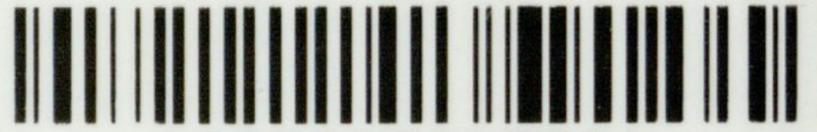
The collection of the Library books comprises numerous valued books from gifts or purchases, such as already mentioned the ornithological library from the Museum of Branicki's; the ornithological library of W.Taczanowski and J.Sztolcman, the 19th cent. iconographic books on malacology of W.Lubomirski, the malacological collections of W.Poliński, W.Roszkowski and A.J.Wagner; the dipterological collection of H.Dziedzicki; the greatly valued collection taken over from the Museum of Industry and Agriculture comprising the great number of rare dipterological works from J.Sznabl and malacological of A.Słósarski, parasitological of J.S.Ruszkowski, hydrobiological of T.Wolski, arachnological of W.Kulczyński; collections comprising various fields of zoology of J.Domaniewski, J.Sme-

tański, T.Jaczewski and also great many of other prize-valued collections of works, papers of famous Polish zoologists. There is also a partially survived collection of books of the Zoological Cabinet of the Warsaw University, accumulated by F.P.Jarocki and W.Taczanowski. There are archival papers referred to 19th century history of zoology, accumulated by the former Section of the History of Zoology at the Institute of Zoology.

Every year the library makes about 40.000 volumes accessible to its readers. Apart from the Institute's Staff, the books and periodicals are accessible also to all the zoological and related institutions in Poland through an interlibrarian exchange. There is a reading-room for individual readers.

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