

**INTERNATIONAL
CONFERENCE:**



**THE EAST CARPATHIANS FAUNA:
ITS PRESENT STATE AND PROSPECTS
OF PRESERVATION**

*Uzhgorod, Transcarpathia, Ukraine
September, 1993*

**Program, Abstracts,
Address list of Participants**

КАФЕДРА ЗООЛОГІЇ БІОЛОГІЧНИЙ ФАКУЛЬТЕТ
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МІЖНАРОДНА КОНФЕРЕНЦІЯ:
ФАУНА СХІДНИХ КАРПАТ: СУЧАСНИЙ СТАН І ОХОРОНА

INTERNATIONAL CONFERENCE:
THE EAST CARPATHIAN FAUNA: ITS PRESENT STATE
AND PROSPECTS OF PRESERVATION



ПРОГРАМА, ТЕЗИ ДОПОВІДЕЙ,
СПИСОК АДРЕСІВ УЧАСНИКІВ
КОНФЕРЕНЦІЇ

PROGRAMME, ABSTRACTS,
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OUTBREAKINGS IN THE FORESTS AND ORCHARDS OF THE UKRAINIAN CARPATHIANS

Since 1955 data about the ecology of 92 species of bark beetles (*Ipidae*) and their relationships with another insects in different biocenoses from different landscape zones were gathered by us. The consortium determined the placing of bark beetles and other insects in the biocenoses and also the formation of outbreaks of pests which depend on hydrothermic and anthropogenic factors. Outbreakings are given by bark beetles with high ecological plasticity (*Ips typographus* L., *Pityogenes chalcographus* L., others.) which well adapted to additional feeding. Under the transformation of the conditions of the favourite habitats of a species, some of them can fall out from the consortium. Great number of bark beetle species, especially from genus *Hylastes*, cannot be found now; *Hylurgops glabratus* became more rare as well as *Dendroctonus micans*, *Cerambyx cerdo*, *Bostrychus capucinus* fell out from consortiums also.

POKINCHEREDA V. /Ukraine/ BATS WINTERING ON THE TERRITORY OF THE CARPATHIAN RESERVE

The paper contains results of observations and counts of bats wintering in shelters (caves and galleries) made in the Carpathian reserve during 1989-1993. 12 bat species have been registered, 5 of them are rare. Protective measures have resulted in essential increasing of bats number.

POLUDA A., PROKOPENKO S. /Ukraine/ TO THE ORNITHOFAUNA OF THE SYNEVIR NATIONAL PARK

POLUSHINA N. /Ukraine/ SORICIDAE (INSECTIVORA, MAMMALIA) OF THE UKRAINIAN CARPATHIANS, THEIR QUANTITIES AND SPREADING

The quantities and the spreading of the 7 species of *Soricidae* from the Ukrainian Carpathians and adjoining territories have been examined. The considerable influence of the anthropogenic factors on the contemporary condition of this group should be mentioned. We give information on protection of *Soricidae*, include them into the Red Book (*Sorex alpinus* Schinz, 1837; *Neomys nomias* Cabrera, 1907).

PONIN I., SOJMA D. /Ukraine/ THE ECOLOGY OF POTATO NEMATODE IN THE CARPATHIAN AREA

The study of seat structure was carried out in Uzhok village and Turya Pasika of the Transcarpathian region, the height is 450-500 m a. s.l. The horizontal and vertical limits of potato nematode distribution were determined. The soil samples were selected by the thicken net (25-30 samples from the plot). The vertical nematode distribution was studied by the method of taking down the soil layer from the researched plots (50x50 cm) in 4 samples of the horizons 0-10, 11-20, 21-30 cm. After the nematode distribution over the arable layer horizons at different soils has been studied it was ascertained that cystes can be at different depth, considerably lower than arable layer. Fumigant can hardly penetrate into a dense horizons and even after the plots treatment with nemathocyde the parasite remains viable. By the biological control it was revealed that the larvae from cystes being at 25-40 cm horizons affected the potato roots. The more deep cystes deposition was observed