

KRAANVOGELTREK BOVEN LIMBURG IN 1964.

Voorjaar

datum	uur	aantal	plaats en richting	waarnemer
11 maart	plm. 15.00 uur	40 en 28 ex.	N.O. Ubachsberg	J. Ubachs
	21.00 „	meer dan 100 ex.	N.O. Heerlen	R. de Haan
		Zeer vele	gehoord. Heerlen	R. de Haan
12 maart				
17 maart		4 ex.	Herkenbosch.	J. G. Tillemans
20 maart		3 ex.	Herkenbosch.	J. G. Tillemans
1 april		35 ex.	eerst W. dan N. gehinderd door vliegtuig. Rimburch.	Mevr. Zitzen
2 april		3 ex.	Herkenbosch.	J. G. Tillemans
3 april		6 ex.	Herkenbosch.	J. G. Tillemans

Najaar

2 oktober	10.00 „	79 ex.	Ospeler Peel.	G. van Deurssen
3 oktober	15.30 „	?	Gehoord bij Baraque Michel, pleisterend in het Hohe Venn.	Dr. S. J. Dijkstra
	16.00 „	plm. 60 ex.	Heimbach (Eifel) Z.	Dr. S. J. Dijkstra
4 oktober	6.45 „	„ 30 ex.	Wolder-Maastricht Z.	Bastiaens
	10.30 „	„ 30 ex.	Schinveld Z.	
	10.30 „	„ 60 ex.	Maastricht cirkelend.	W. Otten
	11.15 „	„ 9 ex.	Venlo Z.	L. v. d. Hombergh
	11.30 „	„ 35 ex.	Heugem Z.	Dr. S. J. Dijkstra
	11.30 „	„ 34 ex.	Heerlerheide Z.	T. Blankevoort
	12.30 „	„ 10 ex.	Heerlerheide Z.	T. Blankevoort
	13.00 „	„ 35 ex.	Maastricht	W. Otten
	13.45 „	„ 30 ex.	Canne ZW.	De Dikke
	15.00 „	„ 100 ex.	(2 groepen) Rimburch ZZW.	Mevr. Zitzen
	15.00 „	„ 70 ex.	Voerendaal cirkelend.	Schaakxs
	15.30 „	„ 35 ex.	Terwinselen W.	Dr. S. J. Dijkstra
	15.50 „	„ 125 ex.	Terwinselen ZZW.	Jan Bais
	16.00 „	„ 7 ex.	Noorbeek Z.	Dr. P. v. Nieuwenhoven
	17.30 „	„ 75 ex.	Voerendaal ZZW.	J. Habets
	17.30 „	„ 60 ex.	Voerendaal ZO.	Schaakxs
	17.30 „	„ grote groep	(gehoord) boven Heerlen	E. Janssen
	plm. 18.00 „	„ 28 ex.	strijken neer Ospeler Peel	H. M. van Deurssen
	19.00 „	„ 70 ex.	Bocholtz.	
5 oktober	10.30 „	plm. 30 ex.	Ospeler Peel Oost.	G. van Deurssen
7 oktober	12.00 „	„ 70 ex.	Ospeler Peel	G. van Deurssen
9 oktober	6.00 „	„ 8 ex.	Heerlen.	J. Habets
14 oktober	15.50 „	„ 30 ex.	Heerlerheide ZW.	Yvonne Voshol
18 oktober	15.30 „	„ 79 ex.	Brunsummerheide.	Dr. P. v. Nieuwenhoven
	16.30 „	„ 5 keer plm. 50 ex.	Brunsummerheide.	Zr. Christini
	23.00 „	„ ?	Geluid gehoord Meyel.	Van Bree
19 oktober	17.30 „	plm. 20 ex.	Bemelen ZO.	Mommers
20 oktober	1.00 „	„ ?	Gehoord Ospeler Peel.	Van Bussel
21 oktober	17.15 „	„ 90 ex.	Heerlen Z.	
26 oktober	11.30 „	„ 70 ex.	Heerlen Z.	H. Finken
	11.45 „	„ 75 ex.	Ubachsberg.	Schaakxs
	12.00 „	„ 100 ex.	Noorbeek.	H. Finken
	?	„ 42 ex.	Herkenbosch Z.	J. G. Tillemans
	9.30 „	„ ?	Vijlen Z.	Dr. S. J. Dijkstra
	14.30 „	„ 123 ex.	Herkenbosch Z.	J. G. Tillemans
	15.00 „	„ 60 ex.	Heerlen Z.	Mevr. Conen

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28 oktober	15.30	90 ex.	Brunssum Z.	D. v. Asperen
	15.30	90 ex.	Heerlen ZO.	Br. Arnoud
	15.30	150-200 ex.	Heerlen.	J. v. Keulen
	16.00	plm. 70 ex.	Heerlen.	H. Finken
	?	21 ex.	Herkenbosch Z.	J. G. Tillemans
	10.25	25 ex.	Imstenraderbosch Z.	Z. C. Fijnaut
	10.30	25 ex.	Heerlen Zeer laag Z.	Mevr. Bult
				(Schaesbergervlde)
	10.30	22 ex.	Vaersrade.	W. de Veen
	16.30	plm. 50 ex.	Ospeler Peel Pleisterend.	H. M. van Deurssen
29 oktober	17.15	17 ex.	Ospeler Peel vanuit oosten komend	Van Bussen
	20.30	?	Ospel.	H. van Deurssen
	21.00	Zeer veel	Ubachsberg op dakhoogte	Schaakxs
	21.30	?	Boven Ospeler Peel.	G. van Deurssen
	?	?	Hoog overvliegend Ospel.	H. van Deurssen
2 november	plm. 15.00	?	Meyel.	Van Bussen
8 november	15.20	plm. 20 ex.	Zelfkant ZZW.	Hidde Bult
	23.30	?	Maastricht.	Dr. P. v. Nieuwenhoven

DISTRIBUTION AND ABUNDANCE OF BATS IN S. LIMBURG FROM 1958 TILL 1962

by
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CONTENTS

Introduction	page 164
1. The present situation	" 164
2. Changes in abundance during the period 1946/62 in all sampling caves combined	" 166
3. Idem in the geographical sections	" 167
4. Idem within geographical sections	" 167
5. Changes in abundance during the period 1958/62 within the cave Slavante	" 169
Discussion and summary	" 171
Samenvatting	" 172

Introduction

In 1957 we published a paper on distribution and decline of bat populations in S. Limburg from 1942 till 1957. The present study is a sequel to it, dealing with the bat populations during the succeeding 5 years.

Since 1957, circumstances in the S. Limburg caves have changed a great deal. Mushroom culture has been stopped in some of them and hibernating bats have no longer been disturbed by banding. The annual census has been continued, but the bats have been identified *in situ*, if possible. In addition, observations have been made on habitat selection inside the caves

during hibernation; results will be published elsewhere (Bezem, Sluiter and van Heerdt, 1964).

In the present study the same species and the same caves are regarded, as have been studied previously (Sluiter and van Heerdt, 1957). As to sampling technique we refer to the same paper. The caves are recorded on the map of fig. 1.

It must be remembered that our results refer to „sampling” caves only, i.e. caves having been sampled regularly since 1942 (for cave nrs cf. Bels 1952). A still greater number of s.c. „non sampling” caves is spread along the valleys of the rivers Jeker, Maas and Geul and near the village Sibbe. In some of them considerable numbers of bats roost during winter, for instance in the Sibbergroeve (cf. Sluiter and van Heerdt, 1964), but these numbers cannot be taken into account when the distribution and the relative abundance of bats during recent years are compared with older data of this kind. Moreover it must be mentioned that the population of a cave may not remain constant in the course of one winter (cf. Bels 1952, van Nieuwenhoven, 1956). To make the samples comparable, they are taken always during the first ten days of January.

1. The present situation

To judge the present situation, we will consider the annual sample sizes during the period 1958/'62.