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Rapport de la Commission de surveillance des collections / Verslag van de commissie "Toezicht op de collecties"

MM. J. DEBECKER et J. DE WALSCHE, qui se sont excusés, signalent par lettre qu'ils ont trouvé nos collections en bon état. Ils remercient le personnel de l'Institut chargé des soins à leur apporter.

Dhr. J. DEBECKER en J. DE WALSCHE, die zich beiden lieten verontschuldigen, delen ons in een brief mede dat ze de verzamelingen in een uitstekende staat hebben gevonden. Tevens danken ze het personeel van het Instituut voor hun goede zorgen.

Rapport de la commission de contrôle de la bibliothèque / Verslag van de Commissie "Toezicht op de bibliotheek"

MM. D. DRUGMAND et M. RANSY déclarent que la bibliothèque est parfaitement tenue et remercient le personnel de l'Institut chargé des soins à lui apporter, particulièrement MM. P. DE GRÈVE et J. VERBIST qui s'occupent avec soin de la gestion journalière des prêts. M. A. RYCKAERT rappelle une fois de plus que la durée des prêts ne peut excéder un an. Il souligne combien les rappels sont fastidieux et coûteux pour le budget de la Société.

Dhr. D. DRUGMAND en Dhr. M. RANSY bevestigen dat de bibliotheek perfect wordt beheerd en bedanken het personeel van het Instituut dat zich er mee bezighoudt, voornamelijk Dhr. P. DE GRÈVE en J. VERBIST die met zorg het dagelijks beheer waarnemen. Dhr. A. RYCKAERT herinnert er nogmaals aan dat de ontleenperiode één jaar niet mag overschrijden. Hij onderstreept hoe kostelijk en tijdrovend de rappels voor de Vereniging zijn.

Election de 3 membres du Conseil en remplacement de ceux dont le mandat est échu / Verkiezing van 3 leden van het beheer in de plaats van diegenen waarvan het mandaat verstreken is

Sont réélus pour une nouvelle période: MM. G. BOOSTEN et M. ROUARD. Pour cette même période, M. N. MAGIS est élu bibliothécaire, en remplacement de M. A. RYCKAERT, démissionnaire.

Worden herkozen voor een nieuwe periode: Dhr. G. BOOSTEN en M. ROUARD. Voor deze zelfde periode wordt Dhr. N. MAGIS verkozen tot bibliothecaris, in vervanging van Dhr. A. RYCKAERT, ontslagnemend.

Election des membres des Commissions / Verkiezing van de leden van de Commissions

La Commission de vérification des comptes se composera en 1991 de MM. J. DECELLE, L. VALCKE et J. KEKENBOSCH; celle de surveillance des collections de MM. J. DE WALSCHE et J. DEBECKER; celle du contrôle de la bibliothèque de MM. D. DRUGMAND et M. RANSY.

De commissie voor nazicht van de rekeningen zal in 1991 als volgt samengesteld zijn: Dhr. J. DECELLE, L. VALCKE en J. KEKENBOSCH. De Commissie voor toezicht op de verzamelingen: Dhr. J. DE WALSCHE en Dhr. J. DEBECKER; voor controle van de bibliotheek: Dhr. D. DRUGMAND en M. RANSY.

Prix A. Crèvecoeur / Prijs A. Crèvecoeur

Au nom du jury, M. Ch. VERSTRAETEN annonce que le prix n'est pas attribué pour l'année 1990.

In naam van de jury, deelt Dhr. Ch. VERSTRAETEN mede dat de prijs voor 1990 niet wordt toegekend.

Assemblée mensuelle du 6 février 1991 Maandelijkse vergadering van 6 februari 1991

Admissions / Toelatingen :

M. Jean FAGOT, rue Hambursin 30, 5030 Gembloux, est présenté, en tant que membre associé par Mlle C. THIRION et M. Ch. VERSTRAETEN et s'intéresse aux Coléoptères de Belgique, surtout les Chrysomélides.

M. Eric MILOSEVIC, Cité Huart 4, 7190 Marche-lez-Ecaussines, est également présenté en tant que membre associé par MM. G. COULON et K. DESENDER.

Communications / Mededelingen :

1. M. N. MAGIS résume les résultats obtenus lors de la réunion de contact des Coléoptéristes qui s'est tenue à Liège, le 26 janvier. Un compte-rendu de cette réunion consacrée à la relance du "Catalogue des coléoptères" ainsi qu'à la création d'un "groupe de travail Coléoptères", sera adressé prochainement aux membres.

2. M. P. DESSART fait circuler une photographie prise en automne à Chevreumont, montrant des essais verticaux de diptères.

3. M. F. CHÉROT fait circuler un exemplaire de l'ouvrage de J. PÉRICART, Hémiptères Saldidae et Leptopodidae d'Europe occidentale et du Maghreb (Faune de France, 77), et dresse brièvement l'état des travaux récents publiés sur les Hémiptères.

4. Dhr. K. DESENDER doet de volgende mededeling.

Carabid beetles from 'De Zandpanne', a small dune nature reserve along the Belgian coast

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In this short communication a list of carabid beetles is presented based on two year cycles of pitfall trapping in a dune nature reserve along the Belgian coast.

The nature reserve 'De Zandpanne' is situated in De Haan (UTM: ES08). It is a small and protected area of 9 hectares and is part of the 130 hectares State Forest (aforested dune area) between De Haan and Wenduine. This nature reserve is situated in the inland dune area near the Polder region.

During 1988 and 1989 pitfall trapping was performed in most of the different habitats of this dune reserve in order to obtain a species inventory. The trapping itself occurred with a relatively low sampling effort, with at most 3 traps (diameter = 9.5 cm) per sampled microhabitat. The traps were emptied at intervals of about three weeks. Sampled habitats included relatively dry, north-facing and small sea buckthorn scrubs, without (A) or with (B) fern undergrowth (*Polypodium vulgare*), several open and dry dune grasslands (C), mostly with a short grassy vegetation with mosses and/or lichens and (D) a wet dune slack with a rough vegetation mainly composed of tall sedges. On the whole 12 traps were in operation from 15.05 to 15.11.1988, whereas 17 traps were in operation between 02.04 and 21.10.1989. Several traps in habitat type (C) and (D) were irregularly disturbed and/or flooded. The numeric data presented here are therefore only comparable for the sampling stations (A) and (B). The aforested area of the reserve was not yet sampled, whereas most of the other habitat types in this dune reserve have been monitored.

The table given below presents the carabid species list and mentions the number of individuals collected in the four habitat types. On the whole 1074 individuals belonging to 54 species have been collected. This species list contains several species of faunistic interest, which can roughly be divided in two groups.

On the one hand there are some hygrophilous species known to be rare in our country, which were discovered in the wet depression with a rough vegetation mainly composed of sedges: *Badister anomalus* and *Badister dilatatus*. These species are only known from respectively 18 and 33 UTM squares in our country. Their distribution is moreover confined to marshlands in the lower part of our country, i.e. they show a restricted Atlantic European distribution. Many other carabid beetles from marshland habitats were collected in this wet dune slack with its tall vegetation of sedges. A lot of these species also show a similar geographic distribution, i.e. only occur in the lower parts of our country (*Acupalpus consputus*, *Acupalpus dubius*, *Bembidion assimile*, *Stenolophus mixtus*), but again none is restricted to dune wetlands only. Dune depressions with such a well developed vegetation indeed show many similarities with marshland areas more in the interior of the country. In contrast, recent studies we are performing in early successional stages of dune slack formation of our coastal dunes do show a much more typical carabid fauna with some very rare species restricted in their occurrence to these practically unvegetated coastal dune slack habitats. From these results we can tentatively conclude that the creation or maintenance of early stages of dune slack formation in humid dune depressions could be beneficial for what concerns the carabid beetle fauna.

On the other hand there are several xerophilous species from this inventory which are only known from a limited number of other sites or regions and which seem to occur especially in dune grasslands.

Calathus mollis (known from 23 UTM squares only), *Harpalus servus* (known from 21 UTM squares) and *Amara lucida* (known from 18 UTM squares) have

nearly exclusively been reported from coastal dunes. The first species prefers marram dunes, whereas the second has also been found on some inland open dune areas in the Campine region. *Amara lucida* is confined to shortgrazed dune grasslands but can exceptionally also occur on warm and dry grasslands in the interior and southern part of our country.

Amara tibialis is another rare species from shortgrazed and dry grasslands (known from 31 UTM squares) but shows a somewhat less limited distribution: the species has also been found in the Campine region (in dry heathland) and in the extreme south of our country (on chalk grasslands). All data pertaining to these inland situations however concern low numbers and indicate that population densities are only elevated in dry and rather old coastal dune grasslands with a short vegetation.

Masoreus wetterhalli and *Notiophilus germinyi* finally are also very rare xerophilous and thermophilic species: the first species (known from 19 UTM squares) occurs as well in the coastal as in the Campine region, whereas the second species (known from 28 UTM squares) has relatively more been reported from the interior of our country than from the coastal region. Both species are limited in their occurrence to dry and open habitats, mostly on inland dunes (with a lower calcium content and mostly with mosses and lichens in their vegetation). These species thus occur on the one hand in old coastal dune grasslands, on the other hand in *Calluna* heathland and associated inland dunes in the Campine region of our country. Exceptionally, these species have also been sampled in other dry grassland habitats (always poor in calcium content of the soil) in the southern part of our country.

Finally, the comparison of our results in the small sea buckthorn scrub with or without fern undergrowth shows no apparent differences in carabid species diversity. Some species (especially *Harpalus tardus*) are taken in lower numbers when ferns are present, but this does not necessarily mean that their population densities are lower in this situation. These results could in part also be due to a lower efficiency of pitfall traps in dense fern stands as compared to a soil surface with sea buckthorn litter only. In any case, the carabid fauna of these small sea buckthorn scrubs seems to be impoverished as compared to similar but larger and well developed scrubs in other dunes of our coast (cfr. e.g. DESENDER *et al.*, 1980).

Acknowledgements

We acknowledge the aid of Mr. F. VAN HEE in the regular inspection and emptying of the traps. The Belgian NFWO is acknowledged for financial support of our studies on the Belgian carabid fauna (FKFO project 2.9008.89 and 2.9014.91).

References

- DESENDER, K., MAELFAIT, J.-P., VANHERCKE, L. & DEURINCK, R., 1980. - Investigations on Coleoptera communities in different habitats. I. The carabid fauna of the dune nature reserve 'De Westhoek' (De Panne, Belgium). *Biol. Jb. Dodonaea*, 48: 102-110.

Carabid beetles (total number of individuals) collected in a dune nature reserve along the Belgian coast ('De Zandpanne') during 1988 and 1989 by means of pitfall trapping; (A) sea buckthorn scrub, 3 traps, 2 years; (B) as (A) but with undergrowth of *Polypodium vulgare*, 3 traps, 2 years; (C) dry dune grasslands, 3 traps in 1988, 8 traps in 1989; (D) dune slack with tall sedges, 2 traps in 1988, 3 traps in 1989.

	(A)	(B)	(C)	(D)
Acupalpus consputus				2
Acupalpus dubius				1
Agonum dorsale		2		
Agonum fuliginosum				25
Agonum obscurum				33
Agonum thoreyi				1
Agonum viduum				1
Amara aenea	1		15	
Amara curta	4	4	32	
Amara familiaris	3	6	6	
Amara lucida			1	
Amara lunicollis			1	
Amara similata	1			
Amara tibialis		1	18	
Badister anomalus				2
Badister bipustulatus		1	6	
Badister dilatatus				5
Badister lacertosus	2	7		
Badister sodalis				1
Bembidion articulatum				2
Bembidion assimile				94
Bembidion lunulatum		2		
Bembidion quadrimaculatum	1		1	
Calathus erratus	14	10	102	
Calathus erythroderus			11	
Calathus fuscipes	4	11	52	
Calathus melanocephalus	3	3	84	
Calathus mollis			3	
Clivina fossor		2		1
Demetrius atricapillus				1
Dromius linearis	2		1	
Dyschirius luedersi				5
Harpalus anxius	1	1	47	
Harpalus servus	3	2	9	
Harpalus tardus	43	18	53	9
Leistus ferrugineus	3	2		
Leistus fulvibarbis				1
Leistus rufescens		1		
Loricera pilicornis				7
Masoreus wetterhalli			4	
Metabletus foveatus	2		42	
Nebria brevicollis		2	2	1
Notiophilus aquaticus			2	
Notiophilus biguttatus	2			1
Notiophilus germinyi			51	
Notiophilus palustris			1	7
Notiophilus substriatus			4	1
Panagaeus bipustulatus	17	21	10	
Pterostichus minor			1	66
Pterostichus strenuus	6	8	3	7
Pterostichus vernalis				1
Stenolophus mixtus				6
Trechus obtusus	9		4	
Trechus quadristriatus	1		1	

Assemblée mensuelle du 6 mars 1991

Maandelijkse vergadering van 6 maart 1991

Admissions / Toelatingen :

M. Marcel NEURAY, Av. Albert 1er 8, 4053 Embourg, est présenté en tant que membre associé par MM. N. MAGIS et G. COULON. M. M. NEURAY étudie les Coléoptères Buprestidae, Scarabaeoidea et Cerambycidae de Belgique.

M. Axel GOSSERIES, Av. L. Wiener 10, 1170 Bruxelles, est présenté en tant que membre assistant par MM. G. COULON et P. GROOTAERT. M. A. GOSSERIES s'intéresse aux Orthoptères.

Dhr. R. LODEWIJCKX, Hoogstraat 249, 1000 Brussel, wordt voorgesteld als gewoon lid door dhr. P. GROOTAERT en G. COULON en is geïnteresseerd in algemene entomologie.

Bibliothèque / Bibliotheek :

M. P. GROOTAERT fait don à la bibliothèque de la Société de deux livres, nous l'en remercions vivement.

Communications / Mededelingen :

1. M. ROUARD présente quelques coléoptères intéressants pour la Belgique et le nord de la France.

Opilo mollis L. (Cleridae): Dalhem (Lg.), 10.VIII.1990, 1 exemplaire, ex coll. R. HASTIR.

Platyedema violaceum F. (Tenebrionidae): Trélon (France, Nord), sous écorce de *Quercus* sp., 19.IX.1990, 3 exemplaires.

Donacia crassipes F. (Chrysomelidae): Sautin (Ht), 15.VIII.1990, 1 exemplaire sur *Nuphar lutea* (L.).

2. M. DELEDICQUE deux coléoptères nouveaux pour la faune belge.

Brachyderes lusitanicus F. (Curculionidae) Belg. sp. n.: nombreux exemplaires en battant (*Pinus*), Zielverneer (Mol, Prov. Antwerpen), 16.VI.1990 (dét. G. LHOST).

Non signalé dans la faune de FREUDE, H., HARDE, K. W. & LOHSE, G. A.. Dans PORTEVIN, l'espèce est signalée dans le sud-ouest de la France (vallée du Rhône et Cantal) et également dans les Landes.