

References

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BOOK REVIEWS

LACHE, D.-W.: *Umweltbedingungen von Binnendünen- und Heidegesellschaften im Nordwesten Mitteleuropas*. — *Scripta geobotanica XI*. Erich Goltze KG, Göttingen 1976. Pp. 96. DM 15,—.

The impulse for studying the ecology of inland dunes and heathland was the unstoppable vanishing of these vegetation types, the biotopes of which are being afforested step by step. The question arises whether they are natural in such regions or only induced by man activity, which has ceased since some time. Besides phytocoenological and chorological introduction the book brings analytical data of abiotic habitat factors such as physical and chemical analyses, microclimatic measurements enabling some conclusions to be drawn on water balance, nutrients cycling, air and soil temperatures and others. The author did not pay due attention to the autecological qualities of the dominant species, to the correlation of their habitation and analysed environmental factors and to the competition. In spite of that a great amount of data brought here are of general importance and are significant in studying a similar ecological situation elsewhere. The book may be recommended to those who are interested in ecology, phytocoenology and landscape protection.

JIRINA SLAVÍKOVÁ (*Praha*)

HEUFLER, H.: *Atlas zur Flora von Südniedersachsen*. — *Scripta Geobotanica X*. (Atlas of Vascular Plants.) — Erich Götze, Göttingen 1976. Pp. 367. DM 36,—.

The atlas of the flora of South Lower Saxony is a first detailed floristic mapping of the area for 1704 vascular plant species in 1746 point maps. It is a result of five years' research (1967—1971) and the basis for compiling a flora for the region. The introductory chapter describes the methods used in collecting and processing the data, similar to those used for the *Flora Europaea*. A grid system with quadrants of about 5.5 km is used. A detailed index with synonyma is included. Blind maps allow further addenda.

The book is a necessary manual for researchers and students in phytogeography and floristics and land-use planners as well.

JIRINA SLAVÍKOVÁ (*Praha*)