

MYXOMYCETES IN POLAND AND NORTH KOREA

by

Halina KOMOROWSKA

The aim of the research is to collect and study materials for regional monographs of *Myxomycetes* in Poland.

Myxomycetes of the Gorce, Pieniny, and Tatras (Carpathian Mts) were elaborated. Herbarium material from the Niepolomice Forest (near Cracow) and North Korea was collected. Now herbarium material from the Białowieża National Park is being collected.

References

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A

B

C

- A. *Dactylorhiza praetermissa* (Druce) So6
B. *Dactylorhiza incarnata* (L.) So6
C. *Dactylorhiza baltica* (Klinge) Orlova

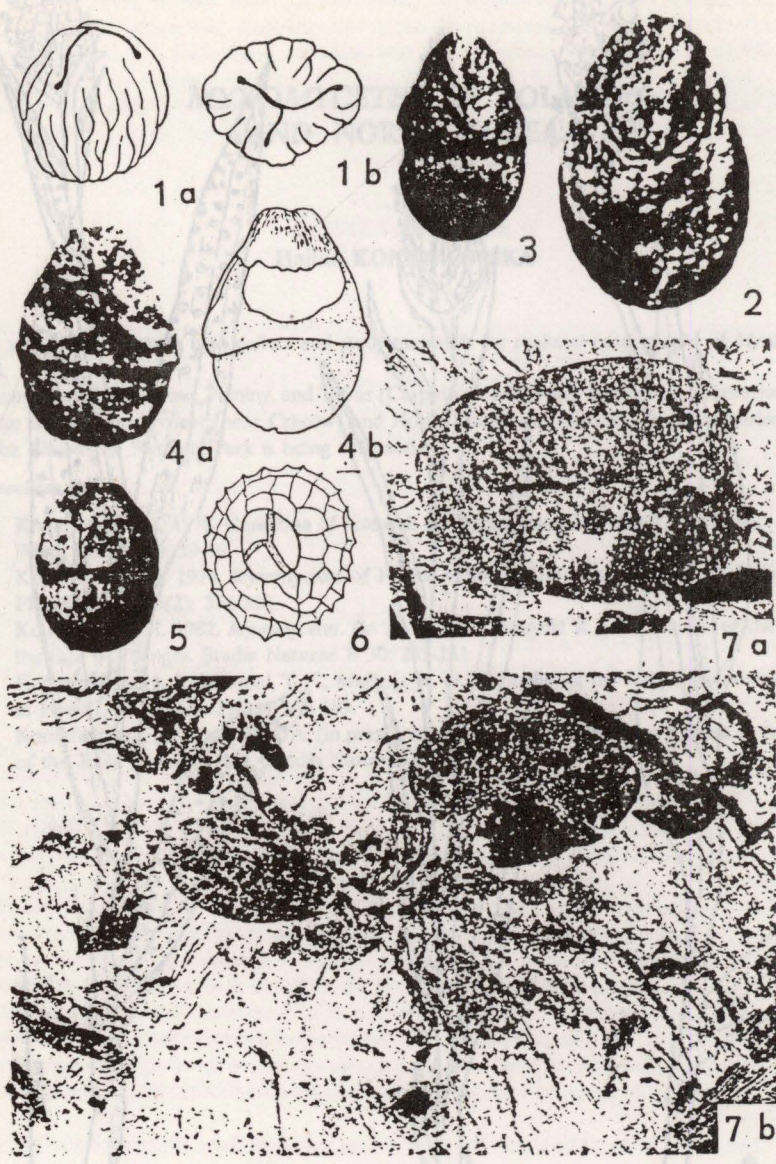
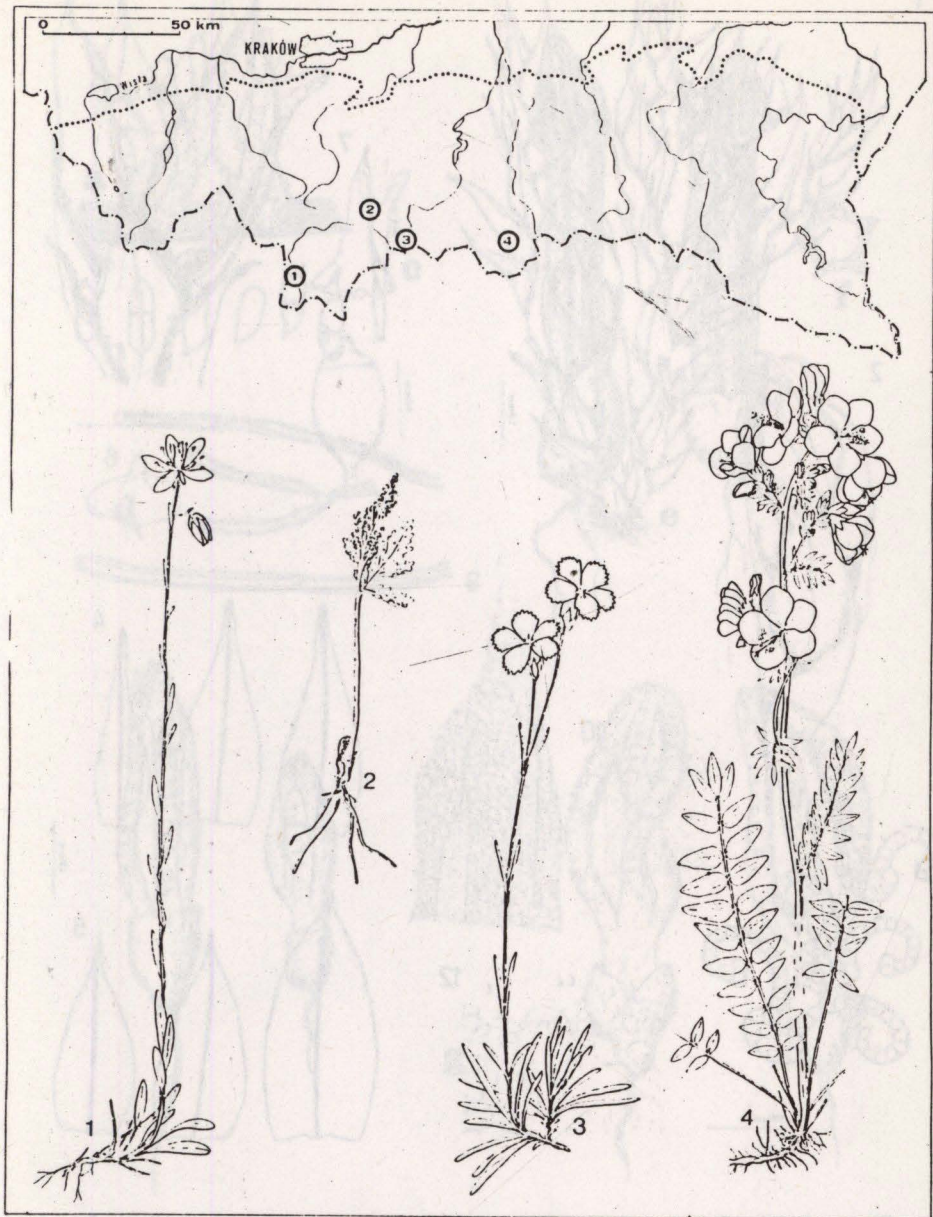
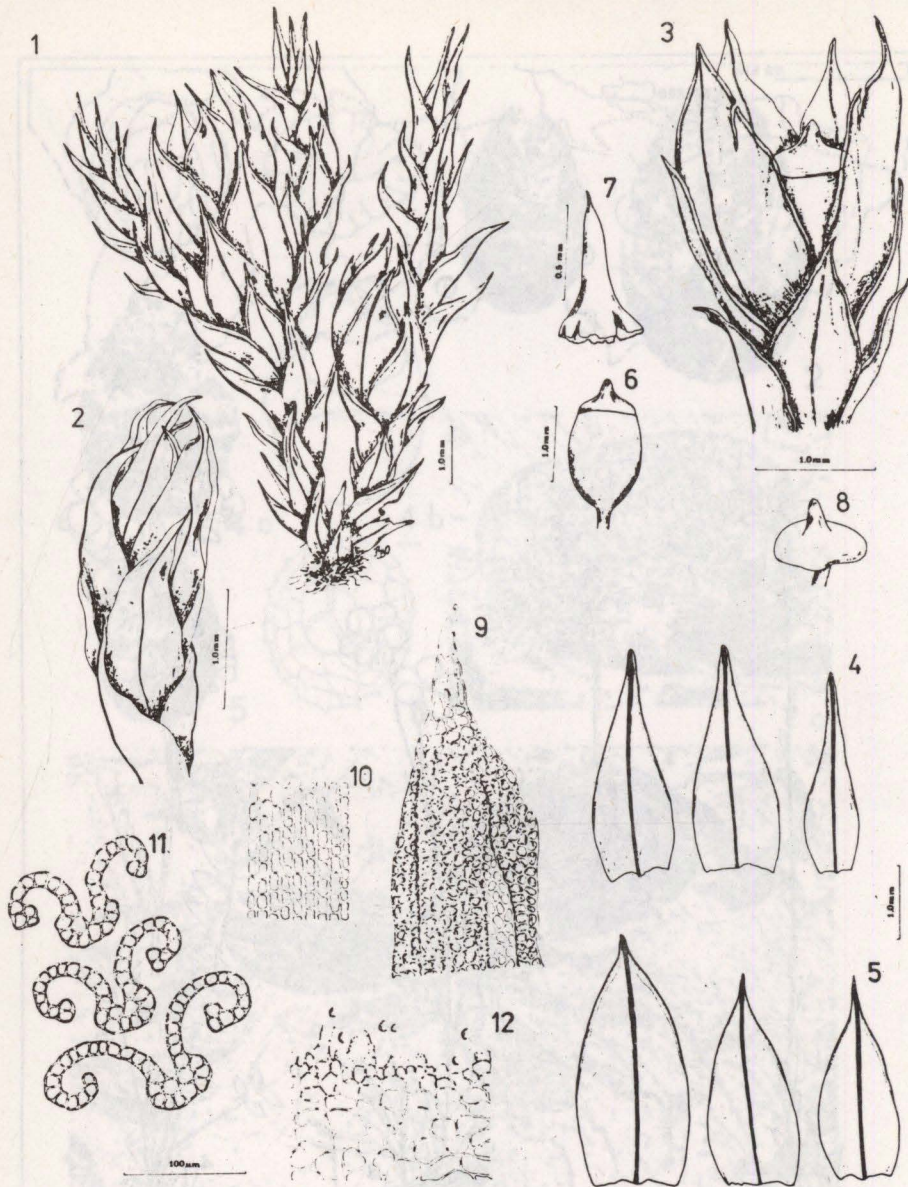


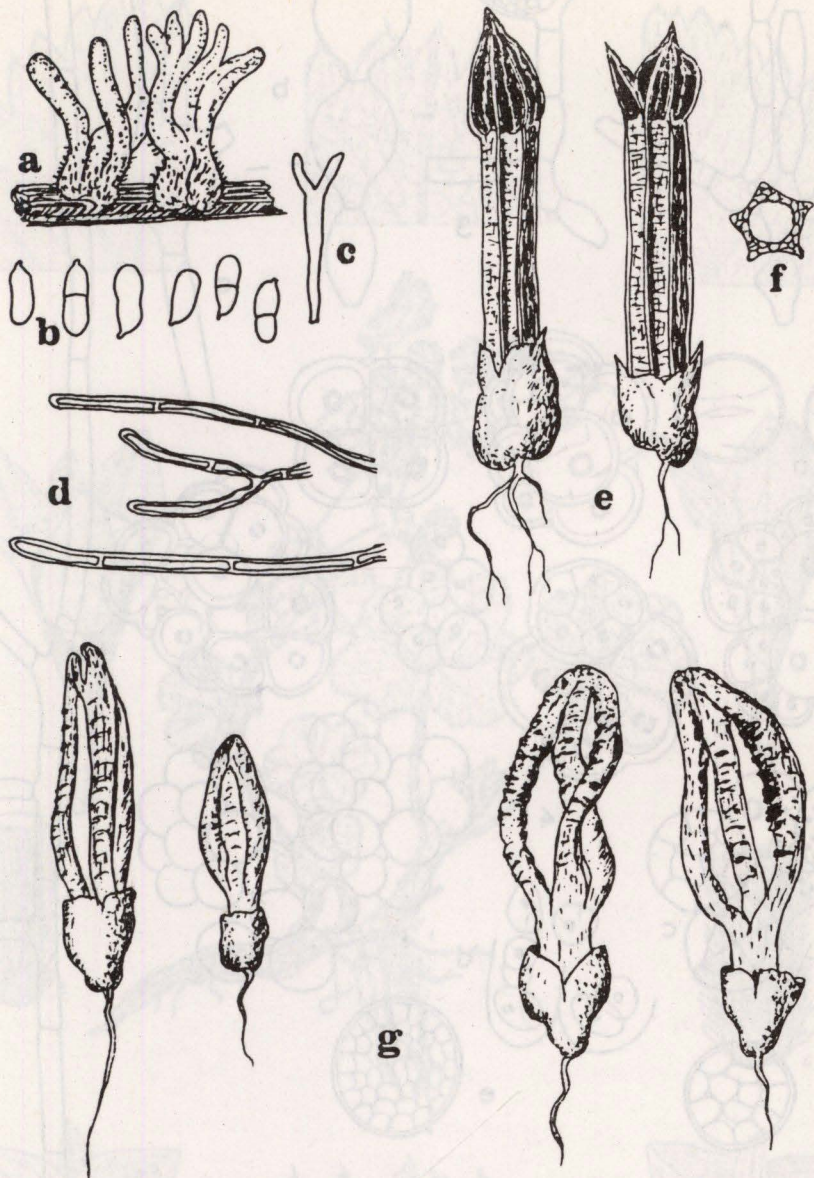
PLATE I. Megaspores of various species of *Salvinia* (fig. 1, 2), *Azolla* (fig. 3-5), and *Selaginella* (fig. 6), the impressions of the whole *Salvinia* plant (fig. 7b) and one floating leaf of the same fossil species (fig. 7a).



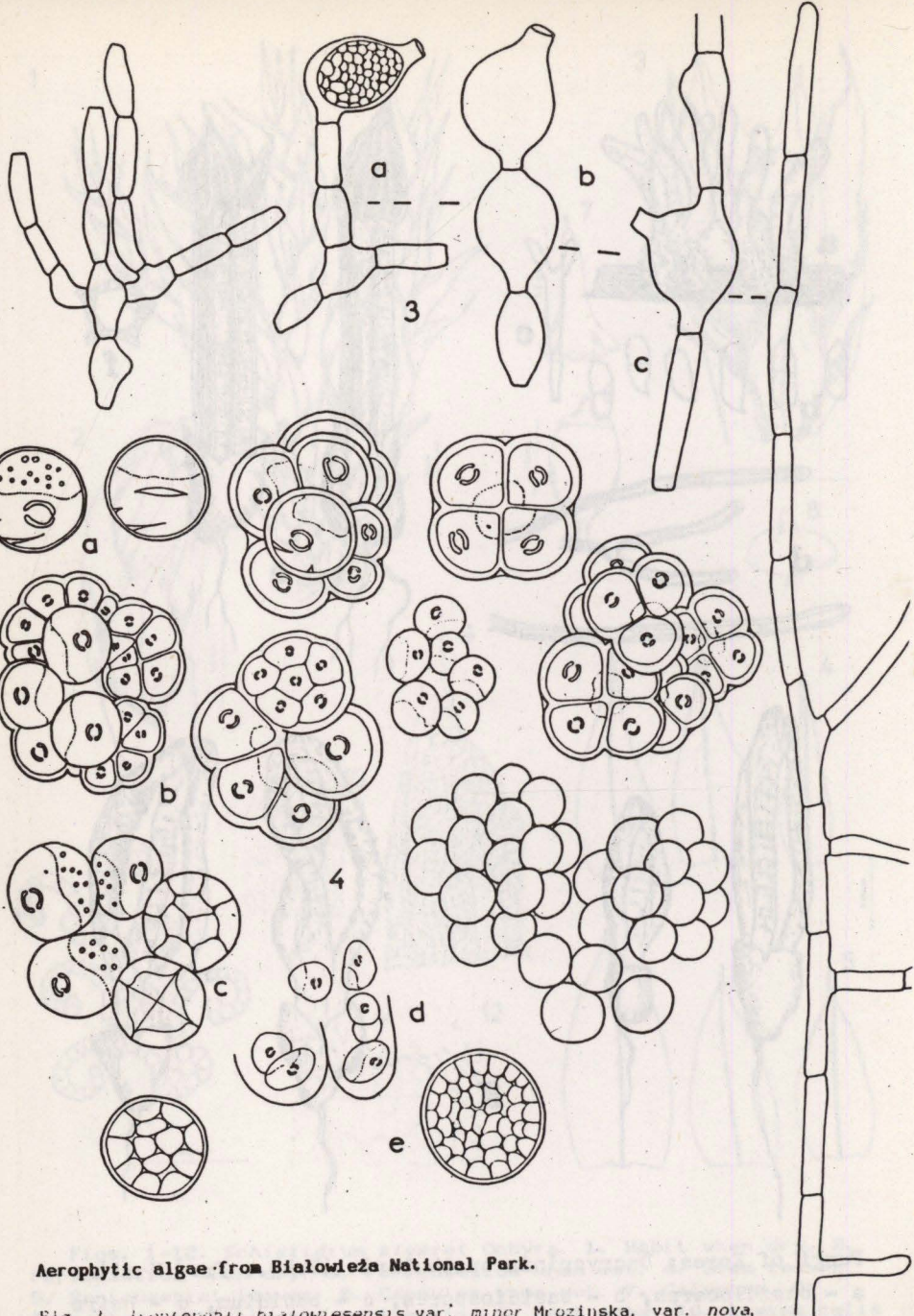
Some of the species extinct in the Polish Carpathians and their earlier localities: 1 - *Saxifraga hirculus* L., 2 - *Botrychium lanceolatum* (S. G. Gmel.) Angstr., 3 - *Dianthus nitidus* Waldst. et Kit., 4 - *Polemonium coeruleum* L.



Figs. 1-12. *Schistidium steerei* Ochyra. 1. Habit when dry. 2. Perichaetium when dry. 3. Perichaetium when wet. 4. Stem leaves. 5. Perichaetial leaves. 6. Capsules when wet. 7. Calyptra. 8. Operculum with attached collumella. 9. Leaf apex. 10. Lamina cells below midleaf. 11. Transverse sections of vegetative leaf. 12. Vestigial peristome and rim cells of capsule (Call from holotype, KRAM).

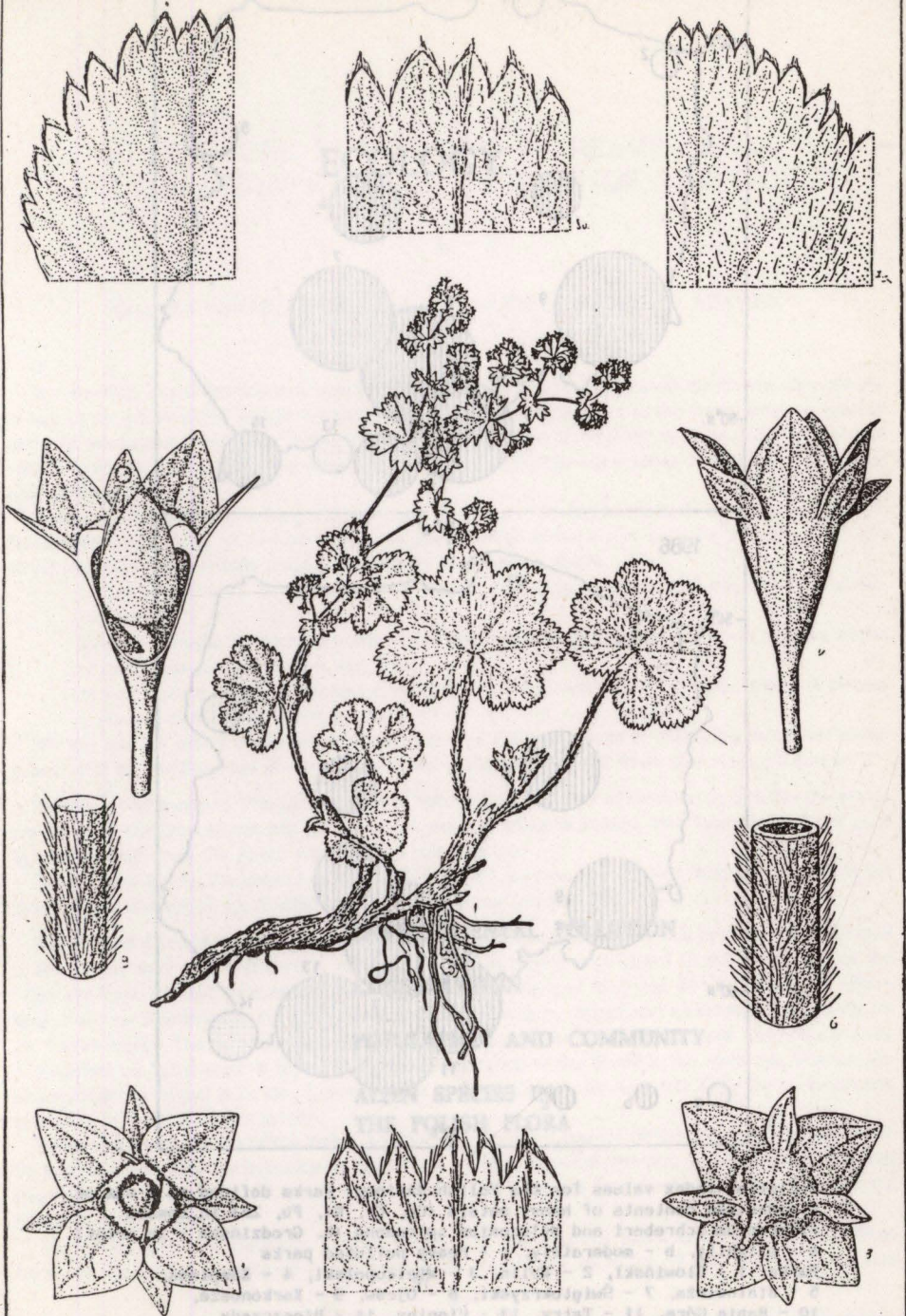


Fungi of Korea: *Dacryopinax spathularia* (Schw.: Fr.) Martin: a - basidiocarps, b - basidiospores, c - basidium, d - hairs of stipe; *Lysurus mokusui* (L.: Pers.) Fr.: e - basidiocarps, f - section of stems base; *Pseudocolus fusiformis* (E. Fischer). Lloyd: g - basidiocarps

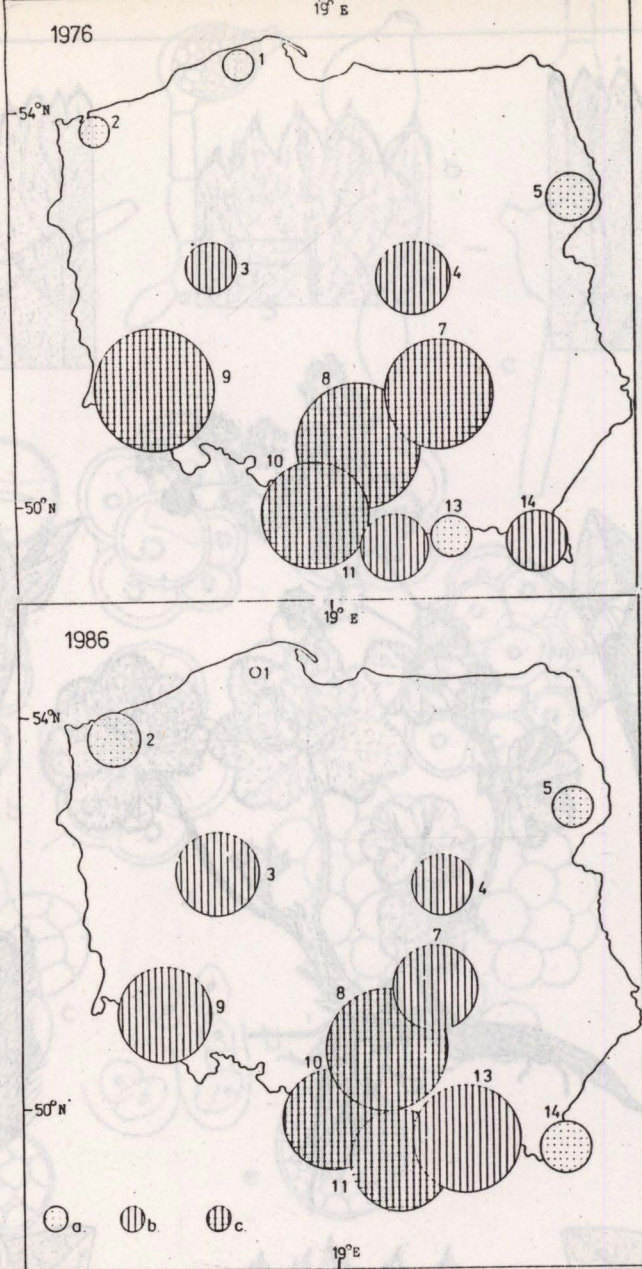


Aerophytic algae from Bialowieża National Park.

Fig. 3. *Trentepohlia bialowiezensis* var. *minor* Mrozinska, var. *nova*, a-c - filament with gametangia. Fig. 4. *Letracystis sarcinalis* Schwarz var. *minor* Mrozinska, var. *nova*, a - vegetative cells, b - colony of adult vegetative cells with daughter cells, c - colony of adult vegetative cells with auto-sporangium, d - autospores, e - auto-sporangium.



Alchemilla amicorum Pawl.



Pollution index values for the Polish National Parks defined as a sum of standardized contents of heavy metals (Cd, Cr, Ni, Pb, Zn) in mosses *Pleurozium schreberi* and *Hylocomium splendens* (K. Grodzińska - in print)

a - slightly, b - moderately, c - heavy polluted parks

Parks: 1 - Słowiński, 2 - Wolin, 3 - Włocławski, 4 - Kampinos, 5 - Białowieża, 7 - Świętokrzyski, 8 - Ojców, 9 - Karkonosze, 10 - Babia Góra, 11 - Tatra, 13 - Pieniny, 14 - Bieszczady