

**NOTES ON THE GENUS *LYGODIUM* SW. (SCHIZAEACEAE)
IN MALAYSIA**

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Key words: pteridophytes, Schizaeaceae, *Lygodium*, Malaysia

ABSTRACT

Ten species of *Lygodium* are enumerated for Malaysia. Of these ten species, *L. auriculatum* and *L. polystachyum* were not recorded for Sabah and Sarawak, and *L. merrillii* was not recorded for Peninsular Malaysia.

HENRY BRADBURY'S FIRST NATURE-PRINTS OF FERNS

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Key words: Bradbury, Baildon, ferns, nature-prints

ABSTRACT

Although Henry Bradbury's Nature-Prints of ferns in Moore (1855/56) and Moore (1859/60) are well-known to pteridologists, his earlier prints, some of which are also of ferns, are rarely seen. Most of these were published (Bradbury, 1854) as sets of prints, mostly of flowering plants but also including five prints of ferns, issued unbound without text. Eleven sets have been located, mostly in institutional libraries. Together they include 39 different Nature-Prints but no set contains more than 33 prints and most sets differ in the number and choice of prints. To give a full description of this publication, it is necessary to describe all the available sets. Some sets include a title page, which was produced in two different versions. Four identical sets of 33 prints have a numbered list of plates. Nine of the examined sets were published by Bradbury & Evans in London; two appear to have been re-issued in 1867 by Baildon of Edinburgh. Also described is an unpublished fern Nature-Print, possibly pre-dating all the others.

DISCOVERY OF THE GAMETOPHYTES OF *TRICHOMANES SPECIOSUM* (HYMENOPHYLLACEAE: PTERIDOPHYTA) IN POLAND AND ITS BIOGEOGRAPHICAL IMPORTANCE

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Key words: *Trichomanes speciosum*, gametophyte, ecology, biogeography, Poland,
Central Europe

ABSTRACT

Gametophytes of *Trichomanes speciosum* Willd. (Hymenophyllaceae: Pteridophyta) have been reported for the first time in two localities in the Westsudetic Highland, Lower Silesia, SW Poland. They form the easternmost outposts of this taxon in Europe, suffering the most severe climatic conditions in the extent of its occurrence. At both sites gametophytes occur in horizontal rock fissures in Upper Cretaceous sandstone, surrounded by degraded eastern oak-hornbeam forests. The gametophytes are very small (up to 2 cm diameter) and sparse.

**ON THE ECOLOGY AND DEMOGRAPHY OF A TERRESTRIAL
POPULATION OF ASPLENIUM TRICHOMANES (ASPLENIACEAE:
PTERIDOPHYTA) IN THE NETHERLANDS**

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Key words: *Asplenium trichomanes*, Kuinderbos, demographic data, ecology

ABSTRACT

In the 19th century and the first half of the 20th century, terrestrial growth of *Asplenium trichomanes* L. was mostly confined to the southern part of Limburg. Today terrestrial growth is almost confined to the Kuinderbos, a planted wood in one of the reclaimed polders of the former Zuiderzee. The first plants established 20 - 25 years after tree planting. The preference for *Picea sitchensis* stands and a northeast exposure has not changed over 25 years. Two subpopulations have been monitored since 1988/1991. One of these subpopulations decreased in size due to overgrowth by herbs and *Rubus* spp., the other subpopulation increased after repeated thinning of the tree stand. The fern plants appeared to be fertile at an age of three to seven years. Mortality was highest in the juvenile phase. On average, plants died at six years old, though the oldest plant is more than 25 years old. Careful management of the *Picea sitchensis* stands is advised because with too much incoming light *A. trichomanes* plants will be out-competed by other species of the herb layer. Results of long-term monitoring of three populations (Utrecht, Amsterdam and Kuinderbos) were analysed. A negative effect of severe winters was evident.

NEW RECORDS FOR PUERTO RICAN PTERIDOPHYTES

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Key words: Puerto Rico, ferns, Caribbean, floristics

ABSTRACT

During a 2001-2002 collecting trip to Puerto Rico, eleven pteridophytes were collected that are Puerto Rican municipio records. Of the 11 collections, one is a Puerto Rican endemic *Selaginella*. For each specimen, we provide full collection data and previously known Puerto Rican distributions for the species.