

A NEW SPECIES OF *DORYOPTERIS* FROM SURINAM*

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In the course of examination of specimens in the fern collection of the Botanisch Museum en Herbarium, Utrecht, the senior author discovered a specimen of *Doryopteris* that seemed to be different from any species treated in the junior author's revision of the genus¹. Further examination has proved this to be the case and it is here described as new.

DORYOPTERIS conformis, spec. nov.

Rhizoma modice crassum breviter repens, squamis elongatis angustissimis dense vestitum, partium hyalinarum cellulis latitudine maxime partem quintum longitudinis aequantibus; stipes obscurus laevis vel leviter rugosiusculus, fasciculis vascularibus duobus; lamina fertilis sterili similis coriacea, venatio libera; sterilis suborbicularis—quinguangularis, profunde bipinnatifida; fertilis conformis, profunde bi- vel tripinnatifida; receptaculum intramarginale plus minusve continuum; sporangia breviter pedicellata.

Typus: *Gonggrijp & Stabel* (B. W.) 5699; Surinam: Mt. Hendriktop, alt. 1080 m.; moist, sunny rocks; in Herb. Utrecht.

Rhizome moderately stout, short-creeping; scales of the apex of the rhizome very long and narrow, the cells of the hyaline portions at least five times as long as broad; stipe dark purple to black, naked or slightly scaly at the base, glabrous, smooth or minutely and irregularly roughened, with two vascular bundles at the base, terete; fertile and sterile blades similar, without proliferous buds, coriaceous; sterile leaf about 25 cm. long; blade 7 cm. long, suborbicular-pentagonal, deeply bipinnatifid with about 12 oblong, broadly rounded, entire or partially crenulate ultimate lobes; margin with a pale brown cartilaginous border; venation free; hydathodes prominent on the upper surface; fertile leaf about 25 cm. long; blade about 8 cm. long, suborbicular-pentagonal, deeply bi- to tripinnatifid, with numerous ultimate segments; primary segments broadly decurrent and surcurrent, the bases forming wings along the rachis with symmetrically concave sides; ultimate segments oblong-lanceolate, narrowly rounded, entire; soral lines continuous around the sinuses; sporangia short-stalked, i.e. the stalk somewhat shorter than capsule (which is 340–360 μ long), borne on a more or less continuous vascular commissure; spores subglobose, triplanate, slightly rugose, pale yellow-brown, about 55 μ .

Doryopteris conformis is most closely related to *D. lomariacea* from which it differs in the non-dimorphic fertile and sterile leaves, the segments of the fertile being much broader than in *D. lomariacea*, in the short-stalked sporangia and coriaceous texture of the blades; in *D. lomariacea*, the sporangia are long-stalked and the leaf-tissue is herbaceous.

This species is notable in that it is the only local endemic in the genus outside of southeastern Brazil. However, the Guiana Highlands represent a weak sec-

¹Tryon, Rolla M. A revision of the genus *Doryopteris*. Contr. Gray Herb. 143:1–80. 1942.

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