

and forms are well-established at the present. It is mainly because of the facts that most of the species are polymorphisum and that the juvenile thallus of certain species look like others at maturity. Furthermore, a section of a thallus in some species bears resemblance to some other species in appearance.

The collections on which this study is based were made from the mountains which have rather well developed forests and scrubs. They attain heights between 300-1200 metres above sea level. The characteristic climatic conditions are weak light, moderate temperature and high humidity. Besides the surface of soil and bark, and another substratum the samples are usually found on damp rocks. Quite a good deal of them are joined in moss communities.

In this paper 20 species and 6 varieties have been recognized, among them 6 species and 5 varieties are first recorded in China and 15 species 6 vareitics in Guangdong Province; 4 species and 1 vareities are described as new to science. The new units are: *Stigonema nanxiogensis* sp. nov., *St. hainanensis* sp. nov., *St. lechangensis* sp. nov., *St. gelatinosum* sp. nov., *St. informe* var. *longihormogonatum* var. nov.

**Keywords** *Stigonema*, Guangdong, China, *St. nanxiogensis* sp. nov., *St. hainanensis*, sp. nov., *St. lechangensis* sp. nov., *St. gelatinosum* sp. nov., *St. informe* var. *longihormogonatum* var. nov.

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· 简讯 ·

## 碳纤维复合材料应用——四人皮艇研制成功

中山大学的科技人员和东莞市玻璃钢船厂的工程技术人员,在全国第六届运动会前夕研制出一艘性能优良的四人皮艇,他们第一次将强度高、模量高、重量轻的高技术密集型产品——碳纤维复合材料及其有优良性能的蜂窝结构材料,用于皮艇的制造工艺中,使这艘皮艇保留了丹麦皮艇的优良线型,外观光洁,色泽柔和美观的特点,而整体刚度却超过丹麦皮艇的50%,重量已降低到30kg,达到国际皮艇协会规定的最低重量标准。