

SECTION E

E - 53

CALOPHYLLUM ACIDS (GUTTIFERAE)

U. Samaraweera, S. Sotheeswaran and S. Balasubramaniam
(Departments of Chemistry and Botany, University of Peradeniya)

Acids of seven *Calophyllum* species have been investigated in this study. The bark of *C. lankaensis* (= *C. zeylanicum*) Kosterm., *C. thwaitesii* Planch and Tian., and *C. Walkerii* Wight and the pericarp of *C. Walkerii* gave the new acid, CALOZEYLANIC ACID (I), para-Toluene sulphonic acid treatment of I gave a lactone which was identified as a new lactone named calozeylanalactone, 2(R)-3(R)-2,3-dimethyl-5 hydroxy-6-(-3-methylbutanyl)-10-phenyl-2,3,9,10-tetrahydro-8-pyrone (2,3-c) benzo-4-pyrone.

The bark extractives of *C. calaba* var. *worthingtonii* Stevens, *C. trapezifolium* Thw., *C. bracteatum* Thw., and *C. monii* (*C. soulattri*) Wight. gave isopetalic acid and isoapetalic acid. These were first isolated from *Calophyllum apetalum* Willd.