

MATERIALS AND METHODS

Material

Ferns and fern allies specimens were collected during April 1974 - March 1975, about 450 specimens were used in this study.

Method

The whole fertile plants were used in this study.

The morphology of plant used for studying are:-

1. Rhizomes or Stems
2. Scales and hairs or any covering on plant
3. Stipes or stalks of leaves
4. Leaves (both fertile and sterile)
5. Position of sporangia or sori
6. Sizes, shapes and color of sporangia and sori
7. Protection of sori or strobile

The descriptions of individual species were first provided. Identified specimens were done by the use of the former key (Tard.&C.Chr.,1939-1941, 1951; Holtt.,1954; Bedd.,1969). All specimens are proved for identity by comparison from specimens deposite at the Forest Herbarium, Royal Forest Department, Bangkok(BKF) and the Herbarium of the Department of Agriculture at Bangkok(BK). Some specimens were sent to Dr.K.Iwatsuki for confirmation. Descriptions of all taxonomic categories concerns are provided in details.

The taxonomic sequence used in this study have followed M.Tagawa&K.Iwatsuki's work (1967) which is more or less a modified system of Holttum (1954).