

**OBSERVATIONS ON THE FLORA OF BOLUVAMPATTI FOREST, COIMBATORE TALUK****K. SUBRAMANYAM***Regional Botanist, Botanical Survey of India  
Coimbatore***Introduction**

The Boluvampatti reserve forests (Venkateswara Ayyar, 1935, 1939) are divided into three blocks: 1, 2 and 3 and they extend along the horse-shoe-shaped range of hills which are situated exactly to the west of Coimbatore town. At the base of this horse-shoe and facing east is Siruvani foot. Here there are settling tanks and these collect water from a narrow channel drawn from Muthukolam, which is the main source of water supply for Coimbatore town.

The foot of Siruvani is situated at a distance of 34 kms. from Coimbatore town and is easily reached by a motorable road which passes through such places as Perur, Madampatti, Puluvappatti, Alandurai, Toppilipaliam and Madhavarayapuram. River Noyil flows closely parallel to this road on its northern side. Cultivated lands lie on either side of the road and the important crops grown are Sugarcane, Paddy, Cotton, Banana and some Millets. From Siruvani foot whose height is about 653 metres there is a jeepable road and foot path to Muthukolam which is situated in a ravine at the top of a group of hills. By road, the distance between Siruvani foot and Muthukolam is about 13 kms. Muthukolam is situated at an altitude of 1,000 metres. Along the road to Muthukolam and located at a height of about 967 metres is Mylon's bungalow of the Siruvani Water Supply Department.

**Geology, rock and soil**

In the hills of Boluvampatti reserve forest the rock formation is of Archaean age and consists principally of Nilgiri gneiss and its metamorphic variations. The gneiss is finely foliated and is composed of quartz, felspar and biotite (black mica) with an occasional admixture of garnet. Along the foot hills the soil is reddish with irregular galleries filled with yellow clay running through its mass and it has the property of hardening on exposure to the air. Though laterite in its pure form is not met on the hills, the rocks do undergo a change akin to laterite metamorphosis resulting in the formation of soil varying from pale yellow to red colour. The soil here is in the form of a sandy loam. In the plains where the crops are cultivated, we have the black cotton soil and a sandy soil along the Noyil river.

**Climate**

The difference in elevation between the plains and the

ghats makes appreciable variations in their climatic conditions. The maximum and minimum shade temperatures in the plains are in the neighbourhood of 37°C and 21°C. On the hills these may be 32°C and 10°C, respectively, varying somewhat with the altitude. The plains are hot and humid, though fairly equable. The hills are cooler and drier and afford a pleasant retreat during the hot months. March, April and May are the hottest months.

The prevailing winds are from the west and south-west during April to September and from the east and north-east from October to March. The western sea-breeze blows slightly in the evenings from the month of March onwards developing into the South-west Monsoon about the beginning of June.

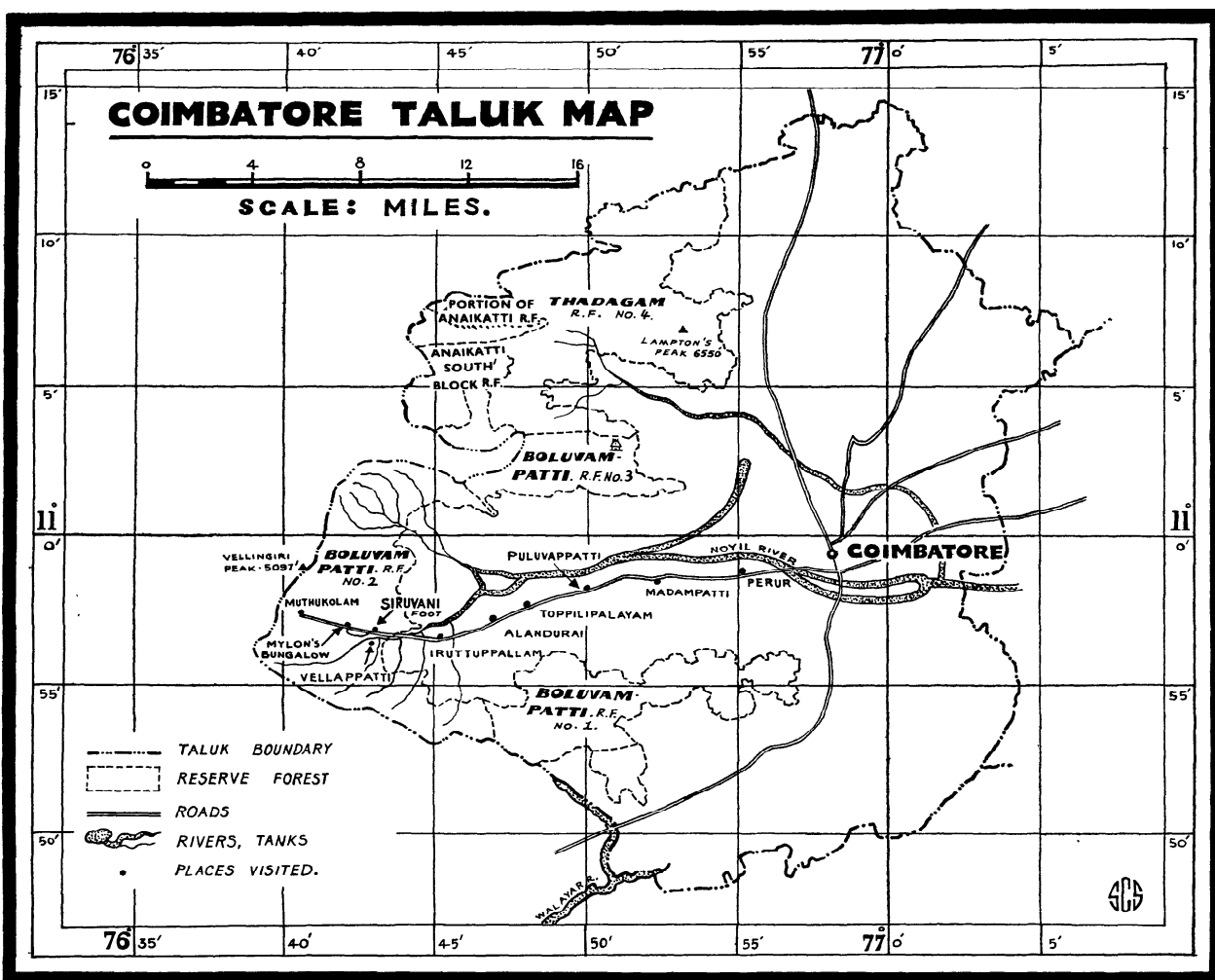
The South-west Monsoon bursts usually in the beginning of June. The heaviest rainfalls are in July and August. These rains greatly favour weed growth and forest crop. The North-east Monsoon brings some rain in October and November and tends to prolong the season of growth. Between December and March scarcely any rain falls in the plains and on the outer hills. The average annual rainfall in the plains is between 10 cms. to 12 cms. It is more on the hills, increasing as the higher altitudes are reached. Thus the average annual rainfall at Muthukolam is about 40 cms.

**Vegetation**

The vegetation round about Siruvani foot is of the scrub jungle type. As we ascend towards Mylon's bungalow, we find the sub-tropical ever green forest and finally near Muthukolam we see the almost bare grassy hill tops. The gentle eastward slopes of these hills support a shola vegetation here and there. The shola feeds a number of tributaries of the Noyil river. Along the Noyil river and in some small streams near Siruvani foot aquatic plants are noticed. In the cultivated lands on either side of the road to Siruvani foot, weeds occur in plenty.

**Observations**

The present observations relate mainly to the flora in the Block 2 Boluvampatti reserve forest lying between 10° 55' and 11° 00' : 76° 40' and 76° 45' and include the regions round about Siruvani foot, Vellapatti, Mylon's bungalow and Muthukolam. In addition, observations of the flora along the Noyil river and on



# OBSERVATIONS ON THE FLORA OF BOLUVAMPATTI

either side of the road to Siruvani foot from Coimbatore town were also made. In all a total number of eleven field trips were conducted from November, 1956 to May, 1957.

All the plants listed below have been carefully observed in the field and collected on the spot. The species included in this list are compared with specimens in our Herbarium. The classification of Bentham and Hooker is followed and the species under each family are arranged in an alphabetical manner. For each species the following data are given: locality, occurrence, flowering or fruiting stage, date of collection and finally the herbarium sheet number of the Southern Circle of the Botanical Survey of India. Every attempt has been made to bring the nomenclature up-to-date and the following papers by Chatterjee and Bharadwaja (1957), Razi (1954) and Santapau (1953, 1954 and 1955) have been particularly useful in this connection. The descriptions of the listed species are found in Gamble's Flora (1915-1936) of the Presidency of Madras.

Out of the plants listed the dominant families are Leguminosae, Compositae and Gramineae. The number of genera and species collected from these families are given in Table 1.

Family	No. of genera	No. of species
Leguminosae	27	33
Compositae	13	14
Gramineae	30	38

Table 1

It will be noticed from this table that the Gramineae is very well represented with the largest number of genera and species, the next in order being Leguminosae and Compositae. Among other families which have six or more species are Malvaceae, Convolvulaceae, Acanthaceae, Labiatae, Loranthaceae, Euphorbiaceae, Urticaceae and Cyperaceae. Further it will also be seen from the list that the herbs, shrubs and climbers are better represented than the trees.

It is proposed to conduct more field trips to this forest during different seasons of the year and additional lists will be published as and when data are gathered.

## GLEICHENIACEAE

*Dicranopteris linearis* (Burm.) Underwood. On the road to Muthukolam from Mylon's bungalow, abundant, with sori (18-12-1956), 1795.

## POLYPODIACEAE

*Adiantum caudatum* Linn. On the footpath to Mylon's bungalow from Siruvani foot, abundant, with sori (26-2-1957), 2458.

*Asplenium unilaterale* Linn. Along the footpath to Mylon's bungalow from Siruvani foot, common, with sori (26-2-1957), 2456.

*Blechnum orientale* Linn. On the road to Muthukolam from Mylon's bungalow, abundant, with sori (18-12-1956), 1793.

*Lastrea octhodes* Kze. Near Mylon's bungalow, common, with sori (30-5-1957), 3068.

*Nipholobolus adnascens* Sw. On the road to Muthukolam from Mylon's bungalow, common, with sori (28-5-1957), 3054.

*Pleopeltis lanceolata* Linn. On the road to Muthukolam from Mylon's bungalow, common, with sori (28-5-1957), 3055.

*Pteris aquilina* Linn. Near Muthukolam, along the channel, common, with sori (28-5-1957), 3064.

## RANUNCULACEAE

*Clematis gouriana* Roxb. Near Muthukolam reservoir, common, in flower (28-12-1956), 1784.

*Naravelia zeylanica* DC. Near foot of Siruvani, common, in flower (18-11-1956), 1776.

## MENISPERMACEAE

*Cocculus hirsutus* (Linn.) Diels. On the road to Siruvani foot, common, in flower (28-12-1956), 1854.

*Stephania japonica* Miers. On the road to Muthukolam from Mylon's bungalow, few, in flower (28-5-1957), 3053...

## CAPPARIDACEAE

*Capparis grandis* Linn. f. Near Madampatti, on the road to Siruvani foot, common, in flower (28-5-1957), 3046.

*Capparis sepiaria* Linn. Vellappatti near Siruvani foot, common, in flower (30-5-1957), 3087.

*Capparis zeylanica* Linn. On the road to Siruvani foot near Madampatti, common, in flower (15-2-1957), 2329.

*Cleome monophylla* Linn. By the road side near Alan-durai, common, in flower (21-11-1956), 1406.

## MALVACEAE

*Abutilon polyandrum* W. & A. On the road to and near Mylon's bungalow from Siruvani foot, common, in flower (13-11-1957), 1522.

*Hibiscus furcatus* Roxb. On the road to Muthukolam from Mylon's bungalow, few, in flower and fruit (18-12-1956), 1803.

*Hibiscus lunariifolius* Willd. Foot of Siruvani, common, in flower and fruit (13-11-1956), 1263.

*Sida rhombifolia* Linn. Foot of Siruvani and on the road to Mylon's bungalow, common, in flower (13-11-1956), 1271.

*Urena lobata* Linn. On the road to Muthukolam from Mylon's bungalow, common, in flower (7-12-1956), 1676.

# OBSERVATIONS ON THE FLORA OF BOLUVAMPATTI

## BOMBACACEAE (MALVACEAE B.H. in part)

*Salmalia malabarica* (DC.) Schott. & Endl. Along the footpath to Siruvani foot from Mylon's bungalow, common, in flower (26-2-1957), 2459.

## STERCULIACEAE

*Helicteres isora* Linn. Foot of Siruvani, near settling tanks, common, in flower (13-11-1956), 1255.

## TILIACEAE

*Grewia disperma* Rottl. Foot of Siruvani, few, in flower (13-11-1956), in fruit (18-12-1956), 1265 and 1778.

*Grewia tiliaefolia* Vahl. Near Siruvani foot, abundant, in flower and fruit (28-5-1957), 3047.

*Triumfetta pilosa* Roth. On the road to Mylon's bungalow and Muthukolam from Siruvani foot, common, in flower (30-11-1957), and in fruit (18-12-1956), 1540 and 1791.

## OXALIDACEAE (GERANIACEAE B.H.)

*Biophytum sensitivum* DC. Along the footpath to Mylon's bungalow from foot of Siruvani, abundant, in fruit (13-11-1957), 1270.

## RUTACEAE

*Clausena dentata* (Willd.) R. & S. Along the foot path to Siruvani foot from Mylon's bungalow, common, in flower (30-5-1957), 3073.

*Glycosmis pentaphylla* (Retz.) Correa. All around foot of Siruvani, abundant, in flower (21-11-1956), 1416.

## SIMAROUBACEAE

*Ailanthus excelsa* Roxb. Near Siruvani foot, common, in flower and fruit (15-2-1957), 2346.

## MELIACEAE

*Melia composita* Willd. Near Siruvani foot, few, in flower and fruit (15-2-1957), 2348.

## OLACACEAE (=OLACINEAE B.H.)

*Apodytes beddomei* Mast. Near Muthukolam, rare, in flower (28-5-1957), 3065.

## HIPPOCRATEACEAE (CELASTRACEAE B.H. in part)

*Loeseneriella obtusifolia* (Roxb.) A. C. Smith. On the road to Siruvani foot, rare, in flower (20-2-1957), 2380.

## RHAMNACEAE

*Ventilago maderaspatana* Gaertn. On the road to Siruvani foot, few, in flower (15-2-1957), 2330.

*Zizyphus rugosa* Lamk. On the road to Mylon's bungalow from Siruvani foot, common, in flower and fruit (20-2-1957), 2392.

*Zizyphus xylopyrus* Willd. Near Siruvani foot, common, in flower (30-5-1957), 3083.

## LEGUMINOSAE (LOTOIDEAE)

*Aeschynomene indica* Linn. By the side of a small stream on the road to Siruvani foot, common, in flower (28-12-1956), 1836.

*Alysicarpus bupleurifolius* DC. Along the road to Siruvani foot, common, in flower and fruit (21-11-1956), 1391.

*Alysicarpus monilifer* DC. Along the road to Siruvani, common, in flower and fruit (21-11-1956), 1392.

*Atylosia albicans* Benth. Near Siruvani foot, common, in flower and fruit (18-12-1956), 1775.

*Butea monosperma* (Lamk.) O. Ktze. On the road to Siruvani foot, common, in flower (15-2-1957), 2331.

*Canavalia ensiformis* (Linn.) DC. On the road to Siruvani foot, common, in flower and fruit (28-12-1956), 1412.

*Crotalaria heyneana* Grah. On the road to Mylon's bungalow from Siruvani foot, common, in flower and fruit (30-11-1956), 1548.

*Crotalaria juncea* Linn. Along the road to Siruvani, common, in flower and fruit (21-11-1957), 1410.

*Cylista scariosa* Roxb. On the road to Siruvani foot, few, in flower (15-2-1957), 2333.

*Dalbergia volubilis* Roxb. On the road to Mylon's bungalow from Siruvani foot, few, in flower (20-2-1957), 2391.

*Dalbergia paniculata* Roxb. Near Mylon's bungalow, few, in flower (30-5-1957), 3081.

*Derris scandens* (Roxb.) Benth. Near Siruvani foot, few, in flower (30-5-1957), 3082.

*Desmodium cephalotes* Wall. Along the road to Mylon's bungalow from Siruvani foot, common, in flower (7-12-1956), 1650.

*Desmodium laxiflorum* DC. On the road to Mylon's bungalow and Muthukolam from Siruvani foot, common, in flower and fruit (7-12-1956), 1652.

*Desmodium triquetrum* DC. On the road to Muthukolam from Mylon's bungalow, common, in flower and fruit (7-12-1956), 1670.

*Dolichos falcatus* Klein. Foot of Siruvani and on the road to Mylon's bungalow, common, in flower (13-11-1956), 1257.

*Glycine javanica* Linn. Along the road to Siruvani foot and on the way to Mylon's bungalow, common, in flower (21-11-1956), 1415.

*Indigofera subulata* Vahl. Along the road to Mylon's bungalow, common, in flower and fruit (7-12-1956), 1649.

*Moghania grahamiana* (W. & A.) O. Ktze. On the road to Muthukolam from Mylon's bungalow, few, in flower (18-12-1956), 1790.

*Mucuna hirsuta* W. & A. On the road to Mylon's bungalow from Siruvani foot, few, in flower (30-11-1956), 1529.

*Pseudarthria viscida* W. & A. On the road to Siruvani foot, common, in flower and fruit (21-11-1956), 1408.

## OBSERVATIONS ON THE FLORA OF BOLUVAMPATTI

*Sesbania sesban* (Linn.) Merr. Cultivated near villages on the road to Siruvani foot, few, in flower and fruit (21-11-1956), 1409.

*Smithia geminiflora* Roth. At the mouth of Siruvani tunnel near Mylon's bungalow, common, in flower (30-10-1956), 1527.

*Uraria hamosa* Wall. On the road to Mylon's bungalow from Siruvani foot, common, in flower and fruit (30-10-1956), 1514.

*Vigna wightii* Benth. On the road to Muthukolam from Mylon's bungalow, common, in flower (18-12-1956), 1782.

*Zornia diphylla* Pers. Along the road to Siruvani, common, in flower and fruit (21-11-1956), 1422.

### LEGUMINOSAE (CAESALPINIOIDEAE)

*Caesalpinia mimosoides* Lamk. On the road to Mylon's bungalow, common, in flower (13-11-1956), 1550.

*Cassia fistula* Linn. On the road and around the foot of Siruvani, abundant, in flower (21-11-1956), 1414.

*Cassia tora* Linn. Along the road to Siruvani foot, common, in flower and fruit (21-11-1956), 1407.

### LEGUMINOSAE (MIMOSOIDEAE)

*Acacia concinna* (Willd.) DC. On the road to Mylon's bungalow from Siruvani foot, common, in flower (20-2-1957), 2393.

*Albizia lebeck* (Linn.) Benth. On the road to Siruvani foot, common, in flower (20-2-1957), 2381.

*Mimosa pudica* Linn. By the road side to Siruvani foot, very common, in flower and fruit (21-11-1956), 1405.

*Pithecellobium dulce* (Roxb.) Benth. Along the road to Siruvani foot, common, in flower (21-11-1956), 1417.

### COMBRETACEAE

*Calycopteris floribunda* Lamk. On the road to Mylon's bungalow from Siruvani foot, common, in flower (26-2-1957), 2444.

*Combretum ovalifolium* Roxb. On the way to and near Siruvani foot, common, in flower (15-2-1957), 2347.

*Terminalia paniculata* Roth. Near foot of Siruvani, common, in flower (18-12-1956), 1777.

### LYTHRACEAE

*Ammannia baccifera* Linn. var. *aegyptiaca* Koehn. River Noyil, near Perur on the way to Siruvani foot, common, in flower (15-2-1957), 2317.

### ONAGRACEAE

*Jussiaea suffruticosa* Linn. In paddy fields and along streams on the road to Siruvani, very common, in flower (21-11-1956), 1398.

*Ludwigia prostrata* Roxb. Noyil river near Perur, on the road to Siruvani, common, in flower and fruit (15-2-1957), 2318.

### SAMYDACEAE

*Casearia esculenta* Roxb. On the footpath from Mylon's bungalow to Siruvani foot, rare, in flower (30-5-1957), 3072.

*Casearia tomentosa* Roxb. By the side of a stream near Siruvani foot, rare, in bud and flower (15-2-1957), 2337.

### PASSIFLORACEAE

*Adenia palmata* Engl. Along the footpath from Mylon's bungalow to Siruvani foot, rare, in flower and fruit (26-2-1957), 2452.

### CUCURBITACEAE

*Bryonopsis laciniata* (Linn.) Naud. Near Mylon's bungalow, few, in flower and fruit (30-11-1956), 1518.

*Cucumis sativus* Linn. Along the road to Mylon's bungalow and on the way to Siruvani foot, few, in flower (30-11-1956), 1536.

*Melothria perpusilla* Cogn. On the road to Mylon's bungalow from Siruvani foot, common, in flower and fruit (30-11-1956), 1537.

### UMBELLIFERAE

*Centella asiatica* Urban. On the road to Mylon's bungalow and Muthukolam from Siruvani foot, common, in flower and fruit (18-12-1956), 1792.

*Pimpinella heyneana* Wall. Along the footpath and road to Mylon's bungalow from Siruvani foot, abundant, in flower and fruit (13-11-1956), 1273.

### CORNACEAE

*Alangium salvifolium* (Linn.f.) Wang. On the road to Siruvani foot, common, in flower (20-2-1957), 2379.

### RUBIACEAE

*Borreria hispida* (Linn.) K. Sch. Along the road side to Siruvani, common, in flower (21-11-1956), 1402.

*Borreria ocymoides* DC. Near Mylon's bungalow, common, in flower and fruit (30-11-1956), 1517.

*Ixora nigricans* Br. Along the footpath from Mylon's bungalow to Siruvani foot, common, in flower (26-2-1957), 2450.

*Mitragyna parvifolia* (Roxb.) Korth. Near Siruvani foot, common, in flower (28-5-1957), 3049.

*Oldenlandia auricularia* (Linn.) K. Schum. Near Muthukolam, common, in flower (28-5-1957), 3058.

*Oldenlandia nitida* Gamb. On the road to Mylon's bungalow from Siruvani foot, common, in flower and fruit (30-11-1956), 1547.

*Pavetta hispidula* W. & A. On the footpath from Mylon's bungalow to Siruvani foot, common, in flower (30-2-1957), 3069.

*Pavetta indica* Linn. Near Siruvani foot, common, in flower (28-5-1957), 3048.

*Psychotria anamallayana* Bedd. Along the footpath to Siruvani foot from Mylon's bungalow, few, in flower (30-5-1957), 3074.

*Rubia cordifolia* Linn. Near Mylon's bungalow, common, in flower (30-11-1956), 1519.

## COMPOSITAE

*Artemisia vulgaris* Linn. Near Mylon's bungalow; abundant, in flower (30-11-1956), 1516.

*Blumea lacera* DC. var. *glandulosa* Hk. f. Noyil river bank near Perur, common, in flower and fruit (15-2-1957), 2327.

*Centrantherum anthelminticum* (Willd.) Kuntze. On the road to Siruvani foot, common, in flower and fruit (28-12-1956), 1849.

*Cosmos caudatus* H.B. & K. On the road to Mylon's bungalow from Siruvani foot, very common, in flower and fruit (18-12-1956), 1779.

*Dichrocephala latifolia* DC. On the road to Muthukolam from Mylon's bungalow, common, in flower (28-5-1957), 3056.

*Emilia sonchifolia* DC. On the road to Mylon's bungalow from Siruvani foot, common, in flower (30-11-1956), 1530.

*Siegesbeckia orientalis* Linn. On the road to Muthukolam from Mylon's bungalow, common, in flower (18-12-1956), 1799.

*Sonchus arvensis* Linn. Near Mylon's bungalow, common, in flower and fruit (30-11-1956), 1524.

*Sphaeranthus indicus* Linn. On banks of Noyil river, Perur and on the way to Siruvani foot, common, in flower (15-2-1957), 2323.

*Spilanthes acmella* Murr. On the banks of Noyil river, Perur, on the way to Siruvani foot and on the road to Muthukolam from Mylon's bungalow, common, in flower (18-12-1956), 1780.

*Syndrella nodiflora* Gaertn. Along the footpath to Mylon's bungalow from Siruvani foot, common, in flower (13-11-1956), 1279.

*Vernonia cinerea* Lees. On the road to Siruvani foot from Mylon's bungalow, common, in fruit (20-2-1957), 2386.

*Vernonia divergens* Edg. On the road to Mylon's bungalow, common, in flower and fruit (26-2-1957), 2445.

*Xanthium strumarium* Linn. On the banks of Noyil river, Perur and along the road to Siruvani, very common, in flower and fruit (21-11-1956), 1413.

## LOBELIACEAE (= CAMPANULACEAE B.H.)

*Lobelia alsinoides* Lamk. In paddy fields along the road to Siruvani, common, in flower (21-11-1956), 1396.

## MYRSINACEAE

*Maesa perrottetiana* A. DC. On the road to Mylon's bungalow from Siruvani foot, common, in flower (20-2-1957), 2396.

## OLEACEAE

*Jasminum multiflorum* (Burm.f.) Andr. Along the footpath to Siruvani foot from Mylon's bungalow, common, in flower (26-2-1957), 2454.

*Ligustrum roxburghii* Cl. On the road to Muthukolam from Mylon's bungalow, few, in flower (18-12-1956), 1787.

*Linociera malabarica* Wall. On the footpath to Siruvani foot from Mylon's bungalow, few, in flower (26-2-1957), 2451.

## APOCYNACEAE

*Holarrhena antidysenterica* Wall. Near Siruvani foot, few, in flower (30-5-1957), 3085.

*Ichnocarpus frutescens* R. Br. Foot of Siruvani, in flower, common (13-11-1956), 1264.

*Lochnera pusilla* (Murr.) K. Schum. In cultivated fields by the road side to Siruvani foot, common, in flower and fruit (21-11-1956), 1403.

*Wrightia tinctoria* R. Br. On the road to Mylon's bungalow from Siruvani foot, common, in flower (28-5-1957), 3052.

## ASCLEPIADACEAE

*Ceropegia intermedia* Wt. Along the footpath to Mylon's bungalow from Siruvani foot, few, in bud and flower (13-11-1956), 1276.

*Gymnema elegans* W. & A. Vellappatti, near Siruvani foot, few, in flower (30-5-1957), 3086.

*Tylophora pauciflora* W. & A. Near Siruvani foot, few, in flower (15-2-1957), 2343.

## LOGANIACEAE

*Buddleia asiatica* Lour. On the road to Mylon's bungalow from Siruvani foot, common, in flower and fruit (30-11-1956), 1528.

## GENTIANACEAE

*Canscora wallichii* Cl. On the road to Muthukolam from Mylon's bungalow, few, in flower (7-12-1956), 1669.

*Exacum bicolor* Roxb. On the road to Muthukolam, common, in flower and fruit (18-12-1956), 1796.

## HYDROPHYLLACEAE

*Hydrolea zeylanica* Vahl. Near Siruvani foot, common, in flower and fruit (26-2-1957), 2470.

## BORAGINACEAE

*Cynoglossum furcatum* Wall. On the road to Muthukolam from Mylon's bungalow, common, in flower and fruit (18-12-1956), 1802.

## OBSERVATIONS ON THE FLORA OF BOLUVAMPATTI

### CONVOLVULACEAE

- Calonyction bona-nox* Boj. On the road to Muthukolam from Mylon's bungalow, in flower, few (18-12-1956), 1797.
- Ipomoea angulata* Lamk. Foot of Siruvani, near settling tanks, in flower and fruit, common (13-11-1956), 1254.
- Ipomoea aquatica* Forsk. In Noyil river, Perur, on the road to Siruvani foot, abundant, in flower (15-2-1957), 2316.
- Ipomoea hispida* R. and S. On the road to Siruvani foot, few, in flower and fruit (28-12-1956), 1853.
- Ipomoea staphylina* R. and S. On the road to Siruvani foot, common, in flower (28-12-1956), 1835.
- Ipomoea soluta* Kerr. On the road to Siruvani foot, few, in flower (15-2-1957), 2332.
- Merremia umbellata* Hall.f. Near Siruvani foot, common, in flower (15-2-1957), 2345.
- Merremia vitifolia* Hall.f. Near Siruvani foot, common, in flower (26-2-1957), 2463.
- Stictocardia tiliifolia* Hall.f. On the road to Siruvani foot, common, in flower (28-12-1956), 1848.

### SOLANACEAE

- Capsicum frutescens* Linn. Along the footpath to Mylon's bungalow from Siruvani foot, common, in flower and fruit (13-11-1956), 1274.
- Solanum torvum* Swartz. Along the road to Mylon's bungalow from Siruvani foot, common, in flower (30-11-1956), 1532.
- Solanum verbascifolium* Linn. On the road to Siruvani foot and on the road to Mylon's bungalow, few, in flower and fruit (21-11-1957), 1418.

### SCROPHULARIACEAE

- Lindernia angallis* (Burm.) Pennell. On the banks of a small stream near Siruvani foot, common, in flower and fruit (21-11-1956), 1420.
- Lindernia cordifolia* (Colsmann.) Merrill. Near Siruvani foot, common, in flower and fruit (26-2-1957), 2469.
- Scoparia dulcis* Linn. On the banks of a stream near Siruvani foot, common, in flower (21-11-1956), 1419.
- Striga euphrasioides* (Vahl.) Benth. In paddy fields by the side of road to Siruvani foot, common, in flower and fruit (21-11-1956), 1393.
- Torenia travancorica* Gamb. On the road to Muthukolam from Mylon's bungalow, common, in flower and fruit (18-12-1956), 1798.

### ACANTHACEAE

- Asteracantha longifolia* Nees. Along the road to Siruvani foot, common, in flower (21-11-1956), 1389.
- Asystasia dalzelliana* Santapau. On the road to Muthukolam from Mylon's bungalow, common, in flower (7-12-1956), 1668.

- Asystasia gangetica* T. And. Foot of Siruvani, common, in flower (13-11-1956), 1260.
- Eranthemum montanum* Roxb. On the road to Siruvani foot and Mylon's bungalow, common, in flower (15-2-1957), 2334.
- Justicia betonica* Linn. Along the road to Siruvani foot, common, in flower (28-12-1956), 1843.
- Justicia wynaadensis* Heyne. On the road to Mylon's bungalow from Siruvani foot, common, in flower and fruit (20-2-1957), 2389.
- Peristrophe montana* Nees. On the road and footpath to Mylon's bungalow from Siruvani foot, common, in flower and fruit (20-2-1957), 2388.
- Phaulopsis dorsiflora* (Retz.) Santapau. On the road to Mylon's bungalow from Siruvani foot, common, in flower (30-11-1956), 1546.
- Rhinacanthus nasuta* (Linn.) Kurz. On the road to Mylon's bungalow from Siruvani foot, common, in flower (20-2-1957), 2384.
- Rungia parviflora* Nees. Along the road to Mylon's bungalow from Siruvani foot, common, in flower (30-11-1956), 1535.
- Thunbergia mysorensis* T. And. On the road to Muthukolam, common, in flower (18-12-1956), 1785.

### VERBENACEAE

- Callicarpa tomentosa* (Linn.) Murray. On the road to Muthukolam dam from Mylon's bungalow, common, in flower (7-12-1956), 1660.
- Clerodendrum infortunatum* Linn. Foot of Siruvani, common, in flower (13-11-1956), 1259.
- Premna tomentosa* Willd. Along the footpath to Siruvani foot from Mylon's bungalow, common, in flower and fruit (30-5-1957), 3080.

### LABIATAE

- Anisomeles indica* O. Ktze. On the road to Siruvani foot, common, in flower (28-12-1956), 1844.
- Colebrookea oppositifolia* Sm. On the road to Muthukolam and Mylon's bungalow from Siruvani foot, common, in flower (7-11-1956) in fruit (20-2-1957), 1666 and 2395.
- Leonotis nepetaefolia* R. Br. On the road to Siruvani foot, common, in flower (28-12-1956), 1852.
- Leucas chinensis* R. Br. On the road to Muthukolam from Mylon's bungalow, common, in flower and fruit (18-12-1956), 1789.
- Ocimum adscendens* Willd. On the foot path to Siruvani foot from Mylon's bungalow, common, in flower and fruit (26-2-1957), 2457.
- Plectranthus wightii* Benth. On the road to Muthukolam from Mylon's bungalow, common, in flower (18-12-1956), 1788.
- Pogostemon pubescens* Benth. On the road to Muthukolam from Mylon's bungalow, common, in flower (18-12-1956), 1783.

# OBSERVATIONS ON THE FLORA OF BOLUVAMPATTI

*Pogostemon purpurascens* Dalz. Near Siruvani foot, common, in flower (26-2-1957), 2467.

## AMARANTHACEAE

*Achyranthes aspera* Linn. On hedges and bushes on the road to Siruvani, abundant, in flower and fruit (21-11-1956), 1401.

*Alternanthera sessilis* (Linn.) R. Br. On the road to Siruvani foot, common, in flower (15-2-1957), 2335.

*Banalia thyrsoflora* Moq. On the road to Muthukolam from Siruvani foot, very common, in flower (7-12-1956), 1665.

*Cyathula prostrata* Bl. Foot of Siruvani and on the road to Muthukolam, common, in flower and fruit (13-11-1956), 1266.

*Pupalia atropurpurea* Moq. On hedges along the road to Siruvani foot, very common, in flower (21-11-1956), 1404.

## CHENOPODIACEAE

*Chenopodium ambrosioides* Linn. On the banks of Noyil river near Perur and on the way to Siruvani foot, abundant, in flower (15-2-1957), 2324.

## POLYGONACEAE

*Polygonum glabrum* Willd. By the side of a small stream near Siruvani foot, common, in flower (21-11-1957), 1421.

## LAURACEAE

*Apollonias arnottii* Nees. Along the footpath to Siruvani foot from Mylon's bungalow, few, in flower (30-5-1957), 3070.

## LORANTHACEAE

*Dendrophoe falcata* (Linn.f.) Etting. On the road to and near Siruvani foot, common, in flower (20-2-1957), 2342.

*Dendrophoe falcata* (Linn.f.) Etting. var. *falcatus* Kurz. On the way to Siruvani foot, common, in flower (15-2-1957), 2462.

*Helixanthera hookeriana* W. & A. Near Muthukolam, few, in flower (28-5-1957), 3057.

*Scurrula philippensis* (Cham. & Schlecht.) G. Don. Along the footpath to Mylon's bungalow from Siruvani foot, abundant, in flower (13-11-1956), 1273.

*Viscum angulatum* Heyne ex DC. Near Muthukolam, few, in flower and fruit (28-5-1957), 3066.

*Viscum articulatum* Burm. var. *dichotomum* Kurz. Near Siruvani foot, common, in flower and fruit (26-2-1957), 2461.

## SANTALACEAE

*Santalum album* Linn. All around Siruvani foot, very common, in flower (28-12-1956), 1847.

## EUPHORBIACEAE

*Acalypha paniculata* Miq. Foot of Siruvani, abundant, in flower and fruit (13-11-1956), 1268.

*Glochidion ellipticum* Wt. Along the footpath to Siruvani foot from Mylon's bungalow, few, in flower and fruit (26-2-1957), 2455.

*Mallotus albus* Muell-Arg. Foot of Siruvani, near Mylon's bungalow and above, common, in flower and fruit (13-11-1956), 1262, 1551.

*Mallotus philippensis* Muell-Arg. Foot of Siruvani, common, in flower and fruit (13-11-1956), 1256.

*Phyllanthus rheedii* Wt. On the road to Mylon's bungalow from Siruvani foot, common, in flower and fruit (30-11-1956), 1539.

*Trewia nudiflora* Linn. Near Siruvani foot, few, in flower (26-2-1957), 2464.

## ULMACEAE (URTICACEAE B.H.)

*Trema orientalis* Bl. On the road to Mylon's bungalow from Siruvani foot, common, in flower (30-11-1956), 1544.

## MORACEAE (URTICACEAE B.H.)

*Ficus asperima* Roxb. Near Mylon's bungalow, few, in flower and fruit (26-2-1957), 2447.

*Ficus hispida* L.f. Near Mylon's bungalow, few, in flower and fruit (26-2-1957), 2448.

*Streblus asper* Lour. On the road to Siruvani foot near Alandurai, few, in flower (28-12-1956), 1842.

## URTICACEAE

*Boehmeria malabarica* Wedd. On the road to Mylon's bungalow from Siruvani foot, common, in flower (26-2-1957), 2446.

*Elatostema lineolatum* Wt. Along the footpath from Mylon's bungalow to Siruvani foot, common, in flower (30-5-1957), 3071.

*Fleurya interrupta* Gaud. Along the foot path to Mylon's bungalow from foot of Siruvani, abundant, in flower (13-11-1956), 1269.

*Girardinia leschenaultiana* Dcne. On the road to Muthukolam from Mylon's bungalow, common, in flower (7-12-1956), 1661.

*Pouzolzia zeylanica* (Linn.) Benn. Along the foot path and road to Mylon's bungalow from Siruvani foot, common, in flower (13-11-1956), 1545.

## HYDROCHARITACEAE

*Ottelia alismoides* Pers. In a small stream on the road to Siruvani foot, few, in flower (28-12-1956), 1838.

## ORCHIDACEAE

*Dendrobium macrostachyum* Lindl. Epiphytic on trees along the foot path from Mylon's bungalow to Siruvani foot, few, in flower (30-5-1957), 3076.



# OBSERVATIONS ON THE FLORA OF BOLUVAMPATTI

## ZINGIBERACEAE (SCITAMINEAE B.H.)

*Amomum cannaecarpum* Benth. On the foot path from Mylon's bungalow to Siruvani foot, very common, in flower (30-5-1957), 3075.

*Costus speciosus* Sm. Along the footpath to Mylon's bungalow from Siruvani foot, common, in flower and fruit (13-11-1956), 1280.

## MARANTACEAE (SCITAMINEAE B.H.)

*Schumannianthus virgatus* Rolfe. On the road to Mylon's bungalow and Muthukolam, abundant, in flower and fruit (7-12-1956), 1662.

## CANNACEAE (SCITAMINEAE B.H.)

*Canna orientalis* Rosc. Along the road to Mylon's bungalow from Siruvani foot, common, in flower and fruit (30-11-1956), 1549.

## AMARYLLIDACEAE

*Curculigo orchioides* Gaertn. On the foot path to Siruvani foot from Mylon's bungalow, very common, in flower (30-5-1957), 3077.

## DIOSCOREACEAE

*Dioscorea oppositifolia* Linn. Foot of Siruvani, common in flower (13-11-1956), 1267.

*Dioscorea tomentosa* Heyne. By the side of foot path to Mylon's bungalow from Siruvani foot, few, in flower and fruit (13-11-1956), 1278.

*Dioscorea wallichii* Hk. f. On the foot path to Mylon's bungalow from Siruvani foot, few, in flower (13-11-1956), 1277.

## LILIACEAE

*Asparagus racemosus* Willd. Near Siruvani foot, common, in flower (30-5-1957), 3084.

## PONTEDERIACEAE

*Monochoria vaginalis* Presl. In a small channel by the side of the road to foot of Siruvani, few, in flower (21-11-1956), 1423.

## COMMELINACEAE

*Commelina benghalensis* Linn. Foot of Siruvani, common, in flower (13-11-1956), 1261.

*Commelina obliqua* Ham. On the road to Mylon's bungalow from Siruvani foot, few, in flower (30-11-1956), 1531.

*Cyanotis cristata* Schult. f. On the road to Siruvani, common, in flower (21-11-1956), 1394.

*Floscopa scandens* Lour. On the road to Siruvani foot, few, in flower (15-2-1957), 2344.

*Murdannia nudiflorum* (Linn.) Brenan. Along the road to Mylon's bungalow from Siruvani foot, common, in flower (30-11-1956), 1534.

## CYPERACEAE

*Carex baccans* Nees. On the road to Muthukolam from Mylon's bungalow, common, in flower and fruit (7-12-1956), 1673.

*Carex filicina* Nees. On the road to Muthukolam from Mylon's bungalow, common, in flower (7-12-1956), 1675.

*Courtoisia cyperoides* Nees. Along the road to Siruvani foot and near Muthukolam, common, in flower (28-12-1956), 3060.

*Cyperus articulatus* Linn. Noyil river near Perur, on the road to Siruvani foot, common, in flower (15-2-1957), 2320.

*Cyperus difformis* Linn. By the side of small channels and streams on the road to Siruvani foot, common, in flower (21-11-1956), 1400.

*Cyperus haspan* Linn. On the road to Siruvani foot and near Muthukolam, common, in flower (15-2-1957), 2336.

*Cyperus kyllingia* Endl. Noyil river bank near Perur, common, in flower (15-2-1957), 2326.

*Cyperus triceps* (Rottb.) Endl. Near Siruvani foot, common, in flower (26-2-1957), 2468.

*Fimbristylis bis-umbellata* Bub. Along the road to Siruvani, common, in flower (21-11-1956), 1397.

*Fimbristylis ferruginea* Vahl. On the road to Mylon's bungalow from Siruvani foot, in flower (30-11-1956), 1542.

*Pycnus odoratus* Urb. On the road to Siruvani foot, common, in flower (15-2-1957), 2341.

*Scirpus mucronatus* Linn. Near Muthukolam along the channel, common, in flower (28-5-1957), 3059.

## GRAMINEAE

*Apluda mutica* Linn. var. *aristata* (Linn.) Pilger. On the road to Siruvani foot, common, in flower (28-12-1956), 1411.

*Arthraxon lanceolatus* Hochst. On the road to Muthukolam from Mylon's bungalow, common, in flower (18-12-1956), 1804.

*Arundinella holcoides* (Kunth) Trin. On the road to and near Mylon's bungalow from Siruvani foot, common, in flower and fruit (30-11-1956), 1526.

*Arundinella holcoides* (Kunth.) Trin. On the road to Muthukolam from Mylon's bungalow, common, in flower and fruit (18-12-1956), 1801.

*Bambusa arundinacea* Willd. Along the foot path to Siruvani foot from Mylon's bungalow, abundant, in flower (30-5-1957), 3079.

*Chrysopogon verticillatus* (Roxb.) Trin. On the road to Mylon's bungalow from Siruvani foot, in fruit (7-12-1956), 1647.

*Coix lachryma-jobi* Linn. On the road to Muthukolam from Mylon's bungalow, common, in flower (18-12-1956), 1800.

## OBSERVATIONS ON THE FLORA OF BOLUVAMPATTI

*Cyrtococcum oxyphyllum* (Hochst. ex Steud.) Stapf. Near and on the road to Mylon's bungalow from Siruvani foot, common, in flower (30-11-1956), 1656.

*Dichanthium annulatum* (Forsk.) Stapf. Near Mylon's bungalow, common, in fruit (7-12-1956), 1658.

*Digitaria marginata* Link. Near Mylon's bungalow, common, in flower (30-5-1957), 3067.

*Echinochloa colona* (Linn.) Link. Along the road to and near Siruvani foot, common, in flower and fruit (21-11-1956), 1390.

*Eleusine indica* Gaertn. Near Mylon's bungalow, common, in flower and fruit (7-12-1956), 1659.

*Eragrostis ciliaris* Link. Noyil river bank near Perur, common, in flower (15-2-1957), 2328.

*Eragrostis gangetica* Steud. On the way to Siruvani foot and near Muthukolam, common, in flower (15-2-1957), 2339.

*Eragrostis tenuifolia* Hochst. Along the road to Mylon's bungalow from Siruvani foot, common, in flower (7-12-1956), 1653.

*Eragrostis unioides* (Retz.) Nees ex Steud. On the way to Siruvani foot, common, in flower (15-2-1957), 2338.

*Eriochloa procera* (Retz.) C.E. Hubb. On the banks of Noyil river near Perur, common, in flower (15-2-1957), 2325.

*Garnotia stricta* Brogn. On the road to Mylon's bungalow from Siruvani foot, common, in flower and fruit (30-11-1956), 1538.

*Heteropogon contortus* (Linn.) Beauv. ex R. & S. Along the road to Siruvani, common, in fruit (21-11-1956), 1398.

*Imperata cylindrica* Beauv. var. *koenigii* Dur. and Sch. On the road to Mylon's bungalow from Siruvani foot, abundant, in fruit (20-2-1957), 2394.

*Isachne dispar* Trin. On the road to Siruvani, common, in flower (21-11-1956), 1395.

*Ischaemum aristatum* Linn. On the road to Muthukolam from Mylon's bungalow, common, in flower (7-12-1956), 1671.

*Ischaemum rugosum* Salisb. On the road to Siruvani foot, common, in fruit (28-11-1956), 1839.

*Leersia hexandra* Sw. Near Muthukolam, common, in fruit (18-12-1956), 1806.

*Oplismenus compositus* Beauv. Foot of Siruvani, common, in flower and fruit (13-11-1956), 1258.

*Panicum montanum* Roxb. On the road to Muthukolam from Siruvani foot, common, in flower (7-12-1956), 1667.

*Paspalidium geminatum* (Forsk.) Stapf. Noyil river near Perur and on the road to Siruvani foot, common, in flower (15-2-1957), 2319.

*Paspalum conjugatum* Berg. Near Mylon's bungalow, few, in flower and fruit (30-11-1956), 1621.

*Paspalum scrobiculatum* Linn. Along the road to Mylon's bungalow from Siruvani foot, common, in flower and fruit (30-11-1956), 1541.

*Pogonatherum paniceum* (Lamk.) Hack. Near Mylon's bungalow, common, in fruit (30-11-1956), 1525.

*Pseudechinolaena polystachya* Stapf. On the road to Muthukolam from Siruvani foot, common, in flower (7-12-1956), 1664.

*Rottboellia exaltata* Linn.f. On the road to Muthukolam from Mylon's bungalow, in flower (7-12-1956), 1674.

*Saccharum spontaneum* Linn. Near Muthukolam from Mylon's bungalow, abundant, in fruit (18-12-1956), 1805.

*Setaria pallidifusca* Stapf. and Hubb. On the road to Mylon's bungalow, abundant, in fruit (18-12-1956), 1805.

*Setaria palmifolia* (Koenig.) Stapf. Near Mylon's bungalow, common, in flower (30-11-1956), 1523.

*Setaria verticillata* Beauv. On the road to Siruvani foot, common, in flower and fruit (28-12-1956), 1850.

*Sorghum halepense* (Linn.) Pers. On the road to Mylon's bungalow from Siruvani foot, common, in flower (7-12-1956), 1655.

*Themeda triandra* Forsk. On the road to Mylon's bungalow, abundant, in flower and fruit (7-12-1956), 1648.

## SUMMARY

The Boluvampatti reserve forests are divided into three blocks 1, 2 and 3 and extend along the horse-shoe-shaped range of hills which are situated exactly to the west of Coimbatore town. At the base of this horse-shoe and facing east is Siruvani foot, situated at a distance of 34 kms. from Coimbatore.

The present observations relate mainly to the flora in the Block 2 Boluvampatti reserve forest and include the regions round about Siruvani foot, Vellapatti, Mylon's bungalow and Muthukolam. In addition, observations along the Noyil river and on either side of the road to Siruvani foot from Coimbatore, were also made. A brief account of the geology, rock, soil and climate of this forest is presented.

The vegetation round about Siruvani foot is of the scrub jungle type, at Mylon's bungalow we find the sub-tropical ever green forest and the grassy hill tops are seen near Muthukolam.

A list of plants collected is given. Out of the plants listed the dominant families are Leguminosae, Compositae and Gramineae. Of these, Gramineae is very well represented with the largest number of genera and species, the next in order being Leguminosae and Compositae. Among other families which have six or more species are Malvaceae, Convolvulaceae, Acanthaceae, Labiatae, Loranthaceae, Euphorbiaceae, Urticaceae and Cyperaceae. The herbs, shrubs and climbers are better represented than the trees.

## OBSERVATIONS ON THE FLORA OF BOLUVAMPATTI

### ACKNOWLEDGEMENT

Finally, I wish to thank Dr. J. C. Sen Gupta, Chief Botanist, Botanical Survey of India for his kind encouragement and keen interest during the course of this work.

### BIBLIOGRAPHY

- BOR, N. L., 1953, Manual of Indian Forest Botany, 1-441. London.
- CHATTERJEE, D. and R. C. BHARDWAJ, 1957, Revision of the Scrophulariaceae of the Upper Gangetic Plain and adjoining areas. *Bull. bot. Soc. Bengal* 9 : 127-153.
- GAMBLE, J. S., 1915-1936, Flora of the Presidency of Madras, Part I-XI. London.
- RAZI, B. A., 1954, Recent names of some South Indian plants with particular reference to those of Mysore. *J. Mysore Univ.* 14 : 1-12.
- SANTAPAU, H., 1953, The Flora of Khandala on the Western Ghats of India. *Rec. bot. Surv. India* 16 : 1-396.
- 1954, Annual excursion of the Indian Botanical Society—Hyderabad, Deccan. 1954. *J. Indian bot. Soc.* 33 : 78-92.
- 1955, Excursion of the Indian Botanical Society to Pavagarh Hill near Baroda, on January 7, 1955. *J. Indian bot. Soc.* 34 : 158-189.
- VENKATESWARA AYYAR, T. V., 1935, A working plan for the ghat forests of the Palghat division. 1-202, Madras.
- 1939, A revised working plan for the forests of the Walayar, Bolampatty and Thadagam valleys of the Palghat Forest Division 1937 to 1946. 1-156, Madras.