Plate No. 1

General view of the Pavagadh Hill from the base

GEOLOGICAL MAP OF PAVAGADH (BY COURTES OF DR. V.S. DUBEY.)

Plate No. 2

Geological Map of Pavagadh

Plate No. 3

Fasciation of a leaf in *Polyalthia longifolia* Benth. et Hook.

0
1
2
3
Cms 4
0
Cm 1
1.
3.

Plate No. 4

Hybanthus enneaspermus (Linn.) Mueller

1. Entire plant
2. Flower
3. Fruit with calyx and corolla

Plate No. 5

Bergia ammannioides Heyne ex Roth

1. Entire plant
2. Flower (highly magnified)
3. Fruit with calyx and corolla (highly magnified)

3
2
1
2
3
4 Cms
1

2
3
0
1.5 cm.
0
1
2
3
4
5
6 cm.
0
2 mm.
4
1

Plate No. 6

Malvastrum coromandelianum (Linn.) Garcke

1. Entire plant
2. Flower
3. Fruit
4. Seed

Plate No. 7

Tribulus terrestris Linn.

1. Branch
2. Flower
3. Fruit

0
Cm. 1
2
1
0 1 2 3 4 Cms.
0
Cm. 1
3

0
1
2 cms.
1
2
0
5mm.
3

Plate No. 8

Clitoria ternatea Linn.

1. Branch
2. Fruit
3. Seed

Plate No. 9

Tephrosia purpurea (Linn.) Pers.

1. Branch
2. Root system
3. Flower
4. Pod

1
2
3
4
Cm.
1
2
3
4
5
6
7
8
9
10
0
.1

Plate No. 10

5 - winged 4 - winged

Fruits of *Terminalia crenulata* Roth.

Plate No. 11

Cucumis setosus Cogn.

(Herbarium sheet)

Enlarged part to show the flower

THE MAHARAJA SAYAJIRAO UNIVERSITY OF
BARODA
BOTANY DEPARTMENT
HERBARIUM
Family
Genus
Date
Collected by

1 2 3 4 5 6 cm

A
B
0 5 mm.

Plate No. 12

Cucumis setosus Cogn.

A. Flowering branch

B. Fruit

Plate No. 13

Opuntia elatior Mill.

1. Flowering branch
2. Seed

0
1
2
3
Cm. 4
0
5 mm
1
2

1
2
3
4
0
1
2
3
4
Cm. 5

Plate No. 14

Trianthema portulacastrum Linn.

1. Seedling
2. Branch of the plant
3. Flower (highly enlarged)
4. Fruit (highly enlarged)

Plate No. 15

Acanthospermum hispidum DC.

1. Entire plant
2. Corolla of female floret and stigma (enlarged)
3. Corolla of disk floret (enlarged)
4. Achene

0
1
2
3 Cms
2
0
1 Cm.
4.
1.
3

0
1
2
3
4
Cm 5
1 Cm
2
5
2 mm
1
4
3

Plate No. **16**

Grangea maderaspatana (Linn.) Poir.

1. Entire plant
2. Head
3. Bisexual floret (highly magnified)
4. Female floret (highly magnified)
5. Achene

Plate No. 17

Vicoa indica (Willd.) DC.

1. Entire plant
2. Achene

0
1
2 cm.
2
0
2 mm.
1

1
2
3
Cm.
1.5 Cm.

Plate No. 18

Amberboa ramosa

Volutarella ramosa (Roxb.) Santapau

1. Branch
2. Head with flowers
3. Achene

Plate No. 19

Xanthium strumarium Linn.

1. Branch
2. Head of male florets
3. Achene
4. Utricle with two female florets (enlarged)
5. Female floret (enlarged)

0
1
Cm
2
0
1
2
3
4
5
6
7
8
9
Cm 10
1.
4.
0
1.5 Cm.
3.
5

Plate No. 20

Fasciation of a leaf in

Holarrhena antidysenterica

(Linn.) Wall. ex A. DC.

Plate No. 21

Calotropis gigantea (Linn.) R. Br.

1. Branch
2. Flower
3. An open fruit
4. Seed

1
2
0 1 2
Cms
3
0 1 2 3 4 5 6 7 8 9 10 Cms
4
0 1 2 Cms

Cm 1
2
0
1
2
3
4
5
Cmd.
0 1 2 Cms
3
1
4

Plate No. 22

Leptadenia reticulata (Retz.) Wt. et Arn.

1. Branch
2. Flower
3. Fruit
4. Seed

Plate No. 23

Heliotropium ovalifolium Forsk.

1. Branch
2. Fruit with calyx
3. Nutlet

1 Cm
mm 2
3
2
3 mm
1

Stem - [illegible]
Leaves - 2.2 - 3.2 × 1.4 - 6 cm., petiolate, lanceolate, gradually tapering towards base, [illegible], slightly [illegible] with rough hairs
Sepals - [illegible] cm long. Noted in flo & fro mostly in the months of Dec. & January.

[illegible]
28/11/60

THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA
BOTANY DEPARTMENT
HERBARIUM

No. 024 445.

Family: Convolvulaceae
Genus: Convolvulus
Species: microphyllus Sieb. ex Spreng.
Vernacular Name: [illegible]
Locality: Foot of the Panchpatia Hill.
Remarks: A trailing herb. Stems 15-45 cm. long. In flo & fr.
Ht. Pinkish white. As shown in [illegible], [illegible] with other trailing herbs, glabrous.
18-1-55
Date.
[illegible]
Collected by

Plate No. 24

Convolvulus microphyllus Sieb. ex Spreng.

(Herbarium sheet)

Plate No. 25

Convolvulus pluricaulis Choisy

(Herbarium sheet)

THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA
BOTANY DEPARTMENT
HERBARIUM

No. 22H 572

Family Convolvulaceae
Genus Ipomoea
Species Cairica (L.) S.
Vernacular Name
Locality Near office Pariyej Vill
Remark
Flow. images have one in a different species

Collected by

Date 19/11/2012

1
0 1 2 cms.
2
cm 1
3
4
5 mm.
0 2 mm

Plate No. 26

Merremia emarginata (Burm. f.) Hall. f.

1. Entire plant
2. Flower
3. Fruit with calyx
4. Seed

Plate No. 27

Merremia quinquefolia (Linn.) Hall. f.

A. Branch with inflorescence

B. Corolla with stamens

C. Fruit

D. Seed from the inner surface

0
1
2
3
4
5
6
7
8
9
10 Cm
2
1
0
1
Cm 2
3
4
0
5 mm

D
0
cm 1
C
0
1
2
3 cm
0
1
2
3
4
cm 5
A
0
1
2 cm.
B

Plate No. 28

Datura metel Linn.

1. Entire plant
2. Corolla cut open to show stamens
3. Fruit with persisting calyx
4. Seed

Plate No. 29

Orobanche cernua Loefl. var. *desertorum* Rittler

1. Parasite on roots of *Nicotiana tabacum* Linn.
2. Flower
3. Seed (enlarged)

2
3
1
0
1
2
3
4
5
6
7
8
9

B
1 2 cms.
A

Plate No. 30

Didymocarpus pygymea Clarke

A. Entire plant

B. Seed (highly magnified)

Plate No. 34

Asteracantha longifolia (Linn.) Nees.

1. Branch
2. Flower
3. Fruit
4. Seed

0
1
2
3
4
5 Cm.
0
1 Cm.
2
1
0
1 Cm
3
4
0
3 mm.

1
2
3
4
5
6
7
8
9
10
Cms

Plate No. 32

Carvia callosa (Wall.) Bremek.

Plate No.33

Leucas aspera Spr.

1. Entire plant
2. Calyx with bract
3. Corolla
4. Nutlet (highly magnified)

0
1
2
3
4
5
6
7
8
9
Cm. 10
1
3
0
1 Cm
2
4.

Plate No. 34

Aerva lanata (Linn.) Juss.

1. Branch
2. Flower (highly magnified)
3. Seed (highly magnified)

Plate No. 35

Celosia argentea Linn.

1. Branch
2. Flower with bracts and bracteoles
3. Seed

0
1
2
3
4
5
6
7
8
9
10
Cm.
0
1 Cm
2
0
2 mm.
1
3

0
1
2
3
Cm 4
1
2
0
1 Cm.

Plate No. 36

Aristolochia bracteata Retz.

1. Branch
2. Flower

Plate No. 37

Euphorbia hirta Linn.

1. Entire plant
2. Cyathium cut open
   (highly magnified)
3. Seed (highly magnified)

0
1
2
3
4 cm
1
2
3

1
2
3
4
0
1
2
3
4
5 cm.
0
1 mm.

Plate No. 38

Phyllanthus maderaspatensis Linn.

1. Branch
2. Male flower (highly enlarged)
3. Female flower (highly enlarged)
4. Seed

Plate No. 39

Cyperus bulbosus Vahl

1. Entire plant
2. Spike (highly enlarged)
3. Glume (highly enlarged)
4. Pistil and stamens
   (highly enlarged)
5. Nut (highly enlarged)

0
1
2
3
Cm 4
2
3
4
1
5

2
3
4
2 mm
0
1
2
3
Cm 4
1

Plate No. 40

Cynodon dactylon (Linn.) Pers.

1. Entire plant
2. Spike
3. Spikelet
4. Grain