

Table No. I - Concentration and percentage contribution of different spore types to the total air spore indicating their importance in numbers.

No.	Name of spore	Concentration No/M ³	% Contri- bution to total air spore	No.	Name of spore	Concentration No/M ³	% Contri- bution to total air spore
1	2	3	4	1	2	3	4
1.	<u>Must spores</u> (<u>Chlorococcoides</u>)	2779	17.202	13.	<u>Xylaria</u>	267	1.777
2.	<u>Nigrospora</u>	2743	17.004	14.	<u>Botrytrichum</u>	217	1.343
3.	<u>Alteuteria</u>	1090	11.699	15.	Algal Fragments	135	0.8357
4.	<u>Curvularia</u>	1494	9.248	16.	<u>Coniothyrium</u>	117	0.7242
5.	<u>Sclerotinia Oospore</u>	1288	7.972	17.	<u>Teichospora</u>	115	0.712
6.	<u>Helminthosporium</u>	877	5.429	18.	<u>Tetula</u>	89	0.5509
7.	<u>Uredinaria</u>	723	4.475	19.	<u>Tetraplex</u>	86	0.5323
8.	Hypal Fragments	517	3.528	20.	<u>Sporozonia</u>	80	0.4952
9.	<u>Cladosporium</u>	490	3.033	21.	<u>Diplocoecium</u>	74	0.4681
10.	<u>Pithecomyces</u>	460	2.8474	22.	<u>Biospora</u>	68	0.4209
11.	Insect Scales	485	3.002	23.	<u>Patellaria</u>	60	0.371
12.	<u>Epicozum</u>	333	2.061	24.	<u>Asotricha</u>	58	0.359

1	2	3	4	1	2	3	4
25.	<u>Handkerchia</u>	51	0.3157	41.	<u>Prinosmia</u>	14	0.0866
26.	<u>Chaetomium</u>	48	0.297	42.	<u>Heteroglyphium</u>	13	0.0805
27.	Unidentified group	46	0.2847	43.	<u>Ascomyces</u>	12	0.07428
28.	<u>Diplodia</u>	46	0.2847	44.	<u>Bipolaris</u>	10	0.0619
29.	<u>Xylem Fibers</u>	45	0.2784	45.	<u>Staphyletrichum</u>	10	0.0619
30.	<u>Hysterium</u>	41	0.254	46.	<u>Cecimula</u>	10	0.0619
31.	<u>Hymenoclype</u>	40	0.248	47.	<u>Ruozia (Telle)</u>	9	0.0557
32.	<u>Meliola</u>	34	0.210	48.	<u>Cornidium</u>	9	0.0557
33.	<u>Betryediplodia</u>	32	0.1981	49.	<u>Beltrania</u>	9	0.0557
34.	<u>Diplodia</u>	31	0.192	50.	<u>Lectosphaeria</u>	8	0.0495
35.	<u>Dendrographium</u>	24	0.1486	51.	<u>Malassezia</u>	7	0.0433
36.	<u>Pleospora</u>	22	0.1362	52.	<u>Arthrosporyum</u>	7	0.0433
37.	<u>Phoma</u>	19	0.1176	53.	<u>Camposporium</u>	7	0.0433
38.	<u>Pseudostictia</u>	17	0.1052	54.	<u>Stagonospora</u>	5	0.0309
39.	<u>Sporium</u>	15	0.0829	55.	<u>Dichomera</u>	5	0.0309
40.	<u>Parodiella</u>	15	0.0829	56.	<u>Cercospora</u>	5	0.0309

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- 57. Haplovescilla 4 0.02476
- 58. Salmacostomus 4 0.02476
- 59. Cylindrocarpon 4 0.02476
- 60. Rhachysporium 3 0.01857
- 61. Periconia 3 0.01857
- 62. Sergaria 3 0.01857
- 63. Ceratoperium 2 0.01240

Table No. II - Variation in concentration and the percentage contribution of the different spore types to the total air spore.

No.	Name of spore	Concentration & Contri- bution to total air spore				No.	Name of spore	Concentration & Contri- bution to total air spore			
		1	2	3	4			1	2	3	4
1.	Algal Fragments	135	0.835	13	Campesporium	7	0.0433				
2.	Alternaria	1890	11.669	14.	Catimula	10	0.0619				
3.	Arthrosporum	7	0.0433	15.	<u>Ceratocarpium</u>	2	0.01236				
4.	Aspergillus	58	0.359	16.	<u>Cetocarpus</u>	5	0.0308				
5.	Boltonia	9	0.0557	17.	<u>Cladobotryum</u>	490	3.033				
6.	<u>Bionectria</u>	10	0.0619	18.	<u>Coniothyrium</u>	117	0.7242				
7.	<u>Blasaria</u>	66	0.4209	19.	<u>Curvularia</u>	1494	9.248				
8.	<u>Betryediplodia</u>	32	0.1981	20.	<u>Cylindrocarpus</u>	4	0.0247				
9.	Bettryetrichum	217	1.343	21.	<u>Dendrosporangium</u>	24	0.08486				
10.	<u>Brachyoperium</u>	3	0.01857	22.	<u>Diplocoecium</u>	74	0.4581				
11.	<u>Carpedium</u>	9	0.0742	23.	<u>Diplodia</u>	31	0.192				
12.	Chaetomium	46	0.297	24.	<u>Diplodia</u>	46	0.2847				

1	2	3	4	1	2	3	4
25.	<u>Dichomera</u>	5	0.03085	40.	<u>Pezizaria</u>	60	0.371
26.	<u>Episcopus</u>	333	2.061	41.	<u>Pezizaria</u>	3	0.01857
27.	<u>Haplosporella</u>	4	0.0247	42.	<u>Phoma</u>	19	0.1176
28.	<u>Hendersonia</u>	51	0.3157	43.	<u>Pleospora</u>	22	0.1362
29.	<u>Helianthosporium</u>	877	5.429	44.	<u>Pithecomyces</u>	460	2.8474
30.	<u>Hymoxylon</u>	40	0.248	45.	<u>Pseudotetracolla</u>	17	0.1052
31.	<u>HYZOSYLUM</u>	41	0.254	46.	<u>Pringotheca</u>	14	0.0866
32.	<u>Hysteroglyphium</u>	13	0.0805	47.	<u>Puccinia (Telle)</u>	9	0.0587
33.	<u>Hyphal Frog</u>	517	3.526	48.	<u>Rhizaria</u>	3	0.01857
34.	<u>Insect scales</u>	485	3.002	49.	<u>Sporocolla</u>	15	0.09285
35.	<u>Leytospharea</u>	8	0.0485	50.	<u>Seimatosporium</u>	4	0.02476
36.	<u>Mallota</u>	34	0.210	51.	<u>Stagonospora</u>	5	0.03085
37.	<u>Melanconium</u>	7	0.0433	52.	<u>Staphyleotrichum</u>	10	0.0619
38.	<u>MICROSPORA</u>	2747	17.004	53.	<u>Sporosiphia</u>	80	0.4952
39.	<u>Parodiella</u>	15	0.0929	54.	<u>Sunt Spores</u>	2779	17.202

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	1	2	3	4	1	2	3	4
55. <u>Sclerotinia cereale</u>			1288	7.972	60. Unidentified		46	0.2847
56. <u>Telephora</u>			115	0.712	61. <u>Marcinissia</u>		12	0.07438
57. <u>Tetracles</u>			86	0.5323	62. <u>Xylaria</u>		287	1.777
58. <u>Tecula</u>			88	0.5508	63. Xylem Fibers		45	0.2784
59. Uredineae			723	4.475				

Table No. III-A : The average monthly percentage contribution of each spore group from 1st April to 30th September 1961.

No.	Name of spore type	April	May	June	July	August	September
I.	Phycomycetes	12.189	17.702	11.801	18.245	27.173	12.188
II.	Ascomycetes	11.867	21.146	8.535	10.064	20.00	28.408
III.	Basidiomycetes	16.776	22.671	9.513	11.706	19.852	19.482
IV.	Deuteromycetes	11.674	15.648	10.307	13.015	23.964	25.591
V.	Others	30.002	22.058	11.645	12.703	17.996	14.954

Table No. III-B - Monthwise average percentage contribution of each spore group (from 1st April to 30 September, 1961).

No.	Name of spore type	April	May	June	July	August	September
I.	Phycomycetes	7.255	7.800	9.162	11.206	9.552	4.550
II.	Ascomycetes	4.2976	5.679	4.036	3.767	4.2849	6.111
III.	Basidiomycetes	27.218	27.232	20.133	19.599	19.023	18.75
IV.	Deuteromycetes	49.538	50.017	58.047	57.968	61.108	65.543
V.	Others	11.691	9.271	8.619	7.439	6.0316	5.044

Table No. IV-A : Average monthly percentage contribution of each spore type (from 1st April to 30th September 1981).

No.	Name of spore	April	May	June	July	August	September
1.	<u>Sclerotinia oryzae</u>	12.189	17.702	11.801	18.245	27.174	12.898
2.	<u>Ascothiaria</u>	-	-	-	-	25.862	74.138
3.	<u>Canthidium</u>	-	16.666	8.333	-	-	75.00
4.	<u>Chaetomium</u>	16.666	25.00	10.416	4.166	14.583	29.167
5.	<u>Hymenylon</u>	10.00	10.00	12.5	-	-	67.50
6.	<u>Hyalium</u>	2.439	7.317	24.390	26.929	4.878	34.146
7.	<u>Hysteroglyphium</u>	7.69	53.846	23.077	7.69	7.69	nil
8.	<u>Leptochytrium</u>	nil	25.00	-	-	-	75.00
9.	<u>Teichospora</u>	13.043	48.696	2.609	5.217	16.261	12.174
10.	<u>Meliola</u>	14.706	14.706	44.118	17.647	nil	8.924
11.	<u>Parodiella</u>	nil	nil	nil	nil	nil	100
12.	<u>Ratallaria</u>	nil	nil	nil	28.33	43.33	28.33
13.	<u>Prionostoma</u>	nil	nil	nil	nil	nil	100

No.	Name of spore	April	May	June	July	August	September
14.	<u>Pleocystis</u>	66.182	31.818	-	-	-	-
15.	<u>Microtheca</u>	nil	nil	nil	nil	nil	100
16.	<u>Trichostema</u>	nil	6.666	nil	nil	6.666	86.666
17.	<u>Xylaria</u>	15.131	23.365	8.710	12.544	29.268	10.801
18.	<u>Altesseria</u>	16.002	20.423	11.587	13.492	18.359	20.106
19.	<u>Arthrotrichum</u>	nil	nil	nil	nil	42.857	57.143
20.	<u>Bolbitaria</u>	33.333	66.666	11.111	11.111	nil	nil
21.	<u>Bipolaris</u>	nil	nil	nil	nil	80.00	20.00
22.	<u>Bispora</u>	2.941	19.118	17.647	54.412	nil	5.882
23.	<u>Petrodiplodia</u>	12.50	25.00	nil	15.625	15.625	31.25
24.	<u>Petrotrichum</u>	11.982	18.89	8.756	14.286	17.051	28.002
25.	<u>Brachytrichum</u>	nil	nil	nil	nil	nil	100
26.	<u>Camarosporium</u>	42.857	57.143	nil	nil	nil	nil
27.	<u>Catania</u>	nil	nil	nil	nil	10	90
28.	<u>Ceratocephalum</u>	50	nil	50	nil	nil	nil
29.	<u>Cleodospirium</u>	5.918	4.286	9.308	6.122	20.294	54.082

No.	Name of spore	April	May	June	July	August	September
30.	<u>Coniothyrium</u>	8.547	12.821	4.274	1.708	29.915	42.735
31.	<u>Curvularia</u>	10.977	14.056	11.312	13.922	26.908	22.825
32.	<u>Corynebacteria</u>	100	nil	-	-	-	-
33.	<u>Pendrocephalum</u>	4.166	25.00	12.50	16.666	33.333	8.333
34.	<u>Diplocoecium</u>	6.757	16.216	12.162	12.162	9.459	43.243
35.	<u>Diploedia</u>	29.032	54.84	6.451	6.451	3.226	nil
36.	<u>Diploedia</u>	28.261	21.739	21.739	13.043	10.869	4.348
37.	<u>Dichomyces</u>	nil	-	20.00	-	80.00	-
38.	<u>Episporium</u>	12.312	37.538	12.913	11.712	7.808	17.718
39.	<u>Madicomyces</u>	nil	100	-	-	-	-
40.	<u>Neolanthosporium</u>	11.0604	14.253	10.832	19.954	24.173	19.726
41.	<u>Norderonia</u>	9.884	35.294	7.843	3.922	15.686	27.450
42.	<u>Polysporium</u>	28.571	14.286	-	28.571	28.571	-
43.	<u>Myrothecium</u>	9.756	12.122	9.501	12.377	30.688	25.555
44.	<u>Polysporium</u>	11.304	13.478	7.608	6.478	27.174	31.957
45.	<u>Pseudomyces</u>	-	-	-	23.529	76.471	-

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No.	Name of spore	April	May	June	July	August	September
46.	<u>Phoma</u>	-	-	-	-	-	100
47.	<u>Puccinia</u>	-	-	-	-	-	100
48.	<u>Salmatosporella</u>	50.00	50.00	-	-	-	-
49.	<u>Stachybotrys</u>	40.00	60.00	-	-	-	-
50.	<u>Stachybotrychum</u>	-	-	-	-	-	100
51.	<u>Sporezia</u>	5.00	15.00	6.25	6.25	17.50	50
52.	<u>Tetraplex</u>	13.953	13.953	22.093	15.116	15.116	19.767
53.	<u>Terula</u>	10.112	22.672	4.494	5.618	16.854	46.449
54.	<u>Urdemaria</u>	-	-	-	16.666	50.00	33.333
55.	<u>Cylindrocarpus</u>	-	100	-	-	-	-
56.	<u>Algal Fragments</u>	60.00	23.703	8.148	6.666	1.481	-
57.	<u>Hyphe: Fragments</u>	13.346	18.1818	12.1857	14.700	22.824	18.762
58.	<u>Insect scale</u>	18.949	27.010	14.0206	13.814	16.907	9.278
59.	<u>Unidentified group</u>	21.739	23.913	-	2.1739	23.913	28.261
60.	<u>Xylem Fibers</u>	2.222	6.666	2.222	6.666	17.777	64.444
61.	<u>Puccinia pers.</u>	100	-	-	-	-	-
62.	<u>Uredinespores</u>	9.544	14.799	6.777	4.426	12.309	52.1438
63.	<u>Sumit</u>	18.388	24.793	10.255	13.638	21.878	11.047

Table No. IV-8 : Monthwise average percentage contribution of each spore type from 1st April to 30th September, 1981.

No.	Name of spore	April	May	June	July	August	September
1.	<u>Sclerospora coopers</u>	7.265	7.615	8.931	11.218	9.8786	4.5355
2.	<u>Ascostricha</u>	-	-	-	-	0.4234	1.1749
3.	<u>Capnodium</u>	-	0.668	0.0587	-	-	0.2459
4.	<u>Chesterium</u>	0.3701	0.4008	0.2936	0.0854	0.1976	0.3825
5.	<u>Hypoxylon</u>	0.1851	0.1336	0.2938	-	-	0.7377
6.	<u>Hysterium</u>	0.0462	0.1002	0.5875	0.5251	0.0564	0.3825
7.	<u>Hysteroglyphium</u>	0.0462	0.2336	0.1763	0.06773	0.0282	-
8.	<u>Leptosphaeria</u>	-	0.668	-	-	-	0.1639
9.	<u>Teichospora</u>	0.6941	1.8704	0.1763	0.2864	0.5927	0.3825
10.	<u>Vallesia</u>	0.2314	0.167	0.8813	0.2864	-	0.08196
11.	<u>Parodiella</u>	-	-	-	-	-	0.4098
12.	<u>Patellaria</u>	-	-	-	0.8115	0.7338	0.4645
13.	<u>Pringsheimia</u>	-	-	-	-	-	0.1093
14.	<u>Pleospora</u>	0.6941	0.2336	-	-	-	-
15.	<u>Sordaria</u>	-	-	-	-	-	0.0819
16.	<u>Sporocelia</u>	-	0.0334	-	-	0.0282	0.3552

No.	Name of spore	April	May	June	July	August	September
17.	<u>Xylaria</u>	2.036	2.238	1.4689	1.7814	2.3708	0.8469
18.	<u>Alteomacia</u>	14.0213	12.8925	12.8672	12.1718	9.7939	10.3825
19.	<u>Arthroretetrum</u>	-	-	-	-	0.0846	0.1093
20.	<u>Beltrania</u>	0.1388	0.1336	0.0587	0.04773	-	-
21.	<u>Bipolaria</u>	-	-	-	-	0.2258	0.0546
22.	<u>Blennia</u>	0.0825	0.4342	0.705	1.766	-	0.1093
23.	<u>Betryodiploedia</u>	0.1851	0.2672	-	0.2387	0.1411	0.2732
24.	<u>Betryetrichum</u>	0.1203	1.3694	1.1163	1.4757	1.0043	1.7213
25.	<u>Brachysporium</u>	-	-	-	-	-	0.08196
26.	<u>Campocarpium</u>	0.1388	0.1336	-	-	-	-
27.	<u>Catarrha</u>	-	-	-	-	0.02822	0.2459
28.	<u>Ceratocarpium</u>	0.0462	-	0.0587	†	-	-
29.	<u>Cleodospidium</u>	1.342	0.7014	2.7027	1.4320	2.7942	7.2404
30.	<u>Cosmetium</u>	0.4627	0.501	0.2938	0.0954	0.9879	1.366
31.	<u>Cucullaria</u>	7.589	7.0140	9.929	9.928	11.3463	9.3168
32.	<u>Ceroaspera</u>	0.2313	-	-	-	-	-

No.	Name of spore	April	May	June	July	August	September
13.	<u>Dendrographium</u>	0.0462	0.2004	0.1763	0.1909	0.2259	0.05464
14.	<u>Diplazocodium</u>	0.2313	0.4008	0.5288	0.4296	0.1976	0.8743
35.	<u>Diple-dia</u>	0.4165	0.5678	0.1175	0.0953	0.02822	-
36.	<u>Dipledia</u>	0.6016	0.334	0.5874	0.2864	0.1411	0.0546
37.	<u>Dichomera</u>	-	-	0.0587	-	0.1128	-
38.	<u>Spicocum</u>	1.897	4.1730	2.5264	1.8616	0.7338	1.6120
39.	<u>Harposporella</u>	-	0.1336	-	-	-	-
40.	<u>Helminthesporium</u>	4.488	4.1730	5.5817	8.353	5.9836	4.7268
41.	<u>Hendersonia</u>	0.2313	0.6012	0.2351	0.0854	0.2259	0.3825
42.	<u>Melanconium</u>	0.0925	0.0334	-	0.0854	0.0564	-
43.	<u>Nigrespora</u>	12.401	11.122	15.335	16.229	23.793	19.1803
44.	<u>Pithecomyces</u>	2.4063	2.070	2.056	1.8616	3.5281	4.0164
45.	<u>Pseudoterulla</u>	-	-	-	0.1909	0.3669	-
46.	<u>Phoma</u>	-	-	-	-	-	0.5191
47.	<u>Pericoma</u>	-	-	-	-	-	0.08196
48.	<u>Seimatosporium</u>	0.0925	0.0668	-	-	-	-

No.	Name of spore	April	May	June	July	August	September
49.	<u>Strombospora</u>	0.0825	0.1001	-	-	-	-
50.	<u>Strobilactinia</u>	-	-	-	-	-	0.2732
51.	<u>Strombospora</u>	0.1851	0.4008	0.2928	0.2387	0.3951	1.0929
52.	<u>Tetrarhiza</u>	0.5553	0.6008	1.116	0.6205	0.3669	0.4645
53.	<u>Tetrala</u>	0.4165	0.668	0.235	0.2387	0.4234	0.9836
54.	<u>Uredomyces</u>	-	-	-	0.09546	0.1693	0.1093
55.	<u>Cylindrocarpus</u>	-	0.1136	-	-	-	-
56.	Algal Fragments	3.7483	0.0688	0.6463	0.4296	0.0564	-
57.	Mycelial Fragments	3.1929	3.1396	3.7015	3.6277	3.3305	2.6502
58.	Insect Scale	4.2573	4.3754	3.995	0.0477	2.3144	1.2295
59.	Unidentified Group	0.4627	0.3674	-	0.1432	3.105	0.3552
60.	Xylem Fibers	0.04627	0.1002	0.0587	-	-	0.7923
61.	<u>Russelia</u> FRIE.	0.4165	-	-	1.5274	2.5119	-
62.	<u>Uredomyces</u>	0.3193	3.574	0.2878	18.0907	17.1606	10.3005
63.	<u>Sumat</u>	23.646	23.017	16.745	-	-	8.3880

Table No.V : Components of the air spora of Library and their seasonal variations and percentage contributions and other data during the period of 1st April to 30th September, 1961.

No.	Biopollutants	Seasonal Periodicity . No. of days					Yearly No./M ³ Air.	% contribution to the total air spore
		1 to 6	2	3	4	5		
	Total air spore	1 to 6	2,5,6	180	16155			
1.	smut spores (<u>Chlamydozoores</u>)	1 to 6	2	170	2779	17.202		
2.	<u>Microspora</u>	1 to 6	5	167	2747	17.004		
3.	<u>Alternaria</u>	1 to 6	2,6	158	1890	11.699		
4.	<u>Curvularia</u>	1 to 6	5	137	1495	9.248		
5.	<u>Sclerotspora O.ospore</u>	1 to 6	2,5,6	166	1288	7.972		
6.	<u>Helminthosporium</u>	1 to 6	5	102	877	5.429		
7.	<u>Uredosporas</u>	1 to 6	6	136	723	4.475		
8.	Hyphal Fragments	1 to 6	5	98	517	3.528		
9.	<u>Cladosporium</u>	1 to 6	6	53	480	3.033		
10.	Insect scales	1 to 6	2	103	485	3.002		
11.	Pichomyces	1 to 6	6	70	460	2.847		



1	2	3	4	5	6	7
12.	<u>Epilaccaria</u>	1 to 6	6	56	333	2.061
13.	<u>Xylaria</u>	..	5	53	287	1.877
14.	<u>Retractaria</u>	..	6	80	217	1.343
15.	Algal Fragments	1 to 5	1	50	135	0.835
16.	<u>Coniothyrium</u>	1 to 6	6	40	117	0.724
17.	<u>Teichospora</u>	..	2	26	115	0.712
18.	<u>Tarula</u>	..	6	24	84	0.550
19.	<u>Tetraploa</u>	..	3	22	86	0.532
20.	<u>Spegazzinia</u>	..	6	11	80	0.495
21.	<u>Diplecoecium</u>	..	6	18	74	0.458
22.	<u>Hiaspora</u>	1 to 4, 6	2,3	7	68	0.429
23.	<u>Patellaria</u>	4 to 6	5	20	60	0.371
24.	<u>Ascetricha</u>	5,6	6	14	58	0.359
25.	<u>Hendersonia</u>	1 to 6	2	28	51	0.315
26.	<u>Chesterium</u>	..	2,6	11	48	0.297
27.	Unidentified group	..	6	15	46	0.284

...

1 2 3 4 5 6 7

28.	<u>Diplodia</u>	1 to 6	1	13	46	0.284
29.	Xylem Fibers	..	6	11	45	0.278
30.	<u>Hysterium</u>	..	4,6	25	41	0.254
31.	<u>Hypoxylon</u>	1 to 3,6	6	10	40	0.248
32.	<u>Meliola</u>	1 to 4,6	3	6	34	0.210
33.	<u>Botryodiplodia</u>	1,2,4,6	6	8	32	0.198
34.	<u>Diplodia</u>	1 to 5	2	12	31	0.192
35.	<u>Dendrographium</u>	1 to 6	5	9	24	0.149
36.	<u>Pleospora</u>	1, 2	1	10	22	0.136
37.	<u>Ehretia</u>	6	-	10	19	0.117
38.	<u>Pseudocerculia</u>	4,5	5	8	17	0.105
39.	<u>Sporormia</u>	2,5,6	6	7	15	0.0929
40.	<u>Parodiella</u>	6	6	7	15	0.0929
41.	<u>Trinaphthella</u>	6	6	3	14	0.0866
42.	<u>Hysterocephalum</u>	1 to 5	2	7	13	0.0805
43.	<u>Wardomyces</u>	4 to 6	5	3	12	0.0742

1	2	3	4	5	6	7
44.	<u>Capnodium</u>	2,3,6	6	5	12	0.074
45.	<u>Bipolaris</u>	5,6	5	4	10	0.0619
46.	<u>Staphylotrichum</u>	6	-	3	10	0.0619
47.	<u>Catinula</u>	5,6	6	3	10	0.0619
48.	<u>Puccinia (Tollia)</u>	1	-	3	9	0.055
49.	<u>Beltrania</u>	1 to 4	2	4	9	0.055
50.	<u>Leptosphaeria</u>	2,6	6	3	8	0.0495
51.	<u>Melanconium</u>	1,2,4,5	5	3	7	0.0433
52.	<u>Arthrobotryum</u>	5,6	6	2	7	0.0433
53.	<u>Camposporium</u>	1,2	2	3	7	0.0433
54.	<u>Stagonospora</u>	1,2	-	2	5	0.0309
55.	<u>Dichomera</u>	3,5	5	3	5	0.0309
56.	<u>Cercospora</u> ♂	1	-	2	5	0.0309
57.	<u>Haplosporella</u>	2	-	2	4	0.0247
58.	<u>Seimatosporium</u>	1,2	-	2	4	0.0247

	1	2	3	4	5	6	7
59.		<u>Cylindrocaryum</u>	2	-	2	4	0.0247
60.		<u>Brachyoparium</u>	6	-	2	3	0.0185
61.		<u>Periconia</u>	6	-	3	3	0.0185
62.		<u>Sordaria</u>	6	6	2	3	0.0185
63.		<u>Ceratoparium</u>	1,3	-	1	2	0.0123

• Indicated by numbers corresponding with the months

(i.e. April = 1, May = 2, June = 3, July = 4, August = 5, and September = 6.)

Table No. VI : Monthly variation in total spore counts with respect to rain fall and temp.

No.	Months (1981)	Rain Fall (mm)	T. S. M. P. S. F. S. M. F. S.			Spore Count
			Maximum	Minimum	Mean	
1.	April	-	38.7	13.7	26.2	2161
2.	May	-	37.6	20.0	28.8	2994
3.	June	161.5	36.6	20.0	28.3	1702
4.	July	200.4	27.7	20.0	23.85	2095
5.	August	67.5	27.7	19.5	23.6	3543
6.	September	171.0	29.2	19.0	24.1	3660

* Courtesy : Satara Zilha Parishad. (Agricultural Department).

ROTOROD AIR SAMPLER

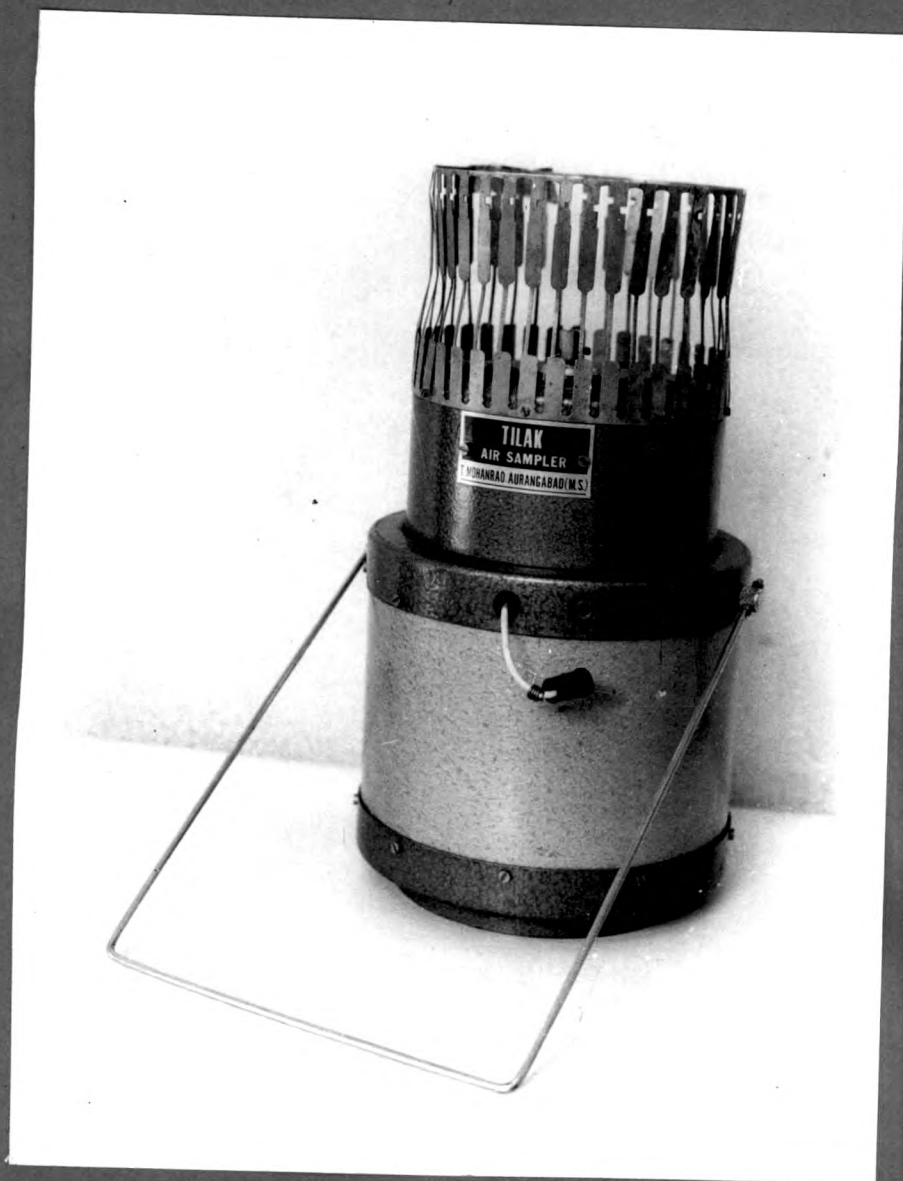


FIGURE - 1

Map of India showing important aeromyceological centres.

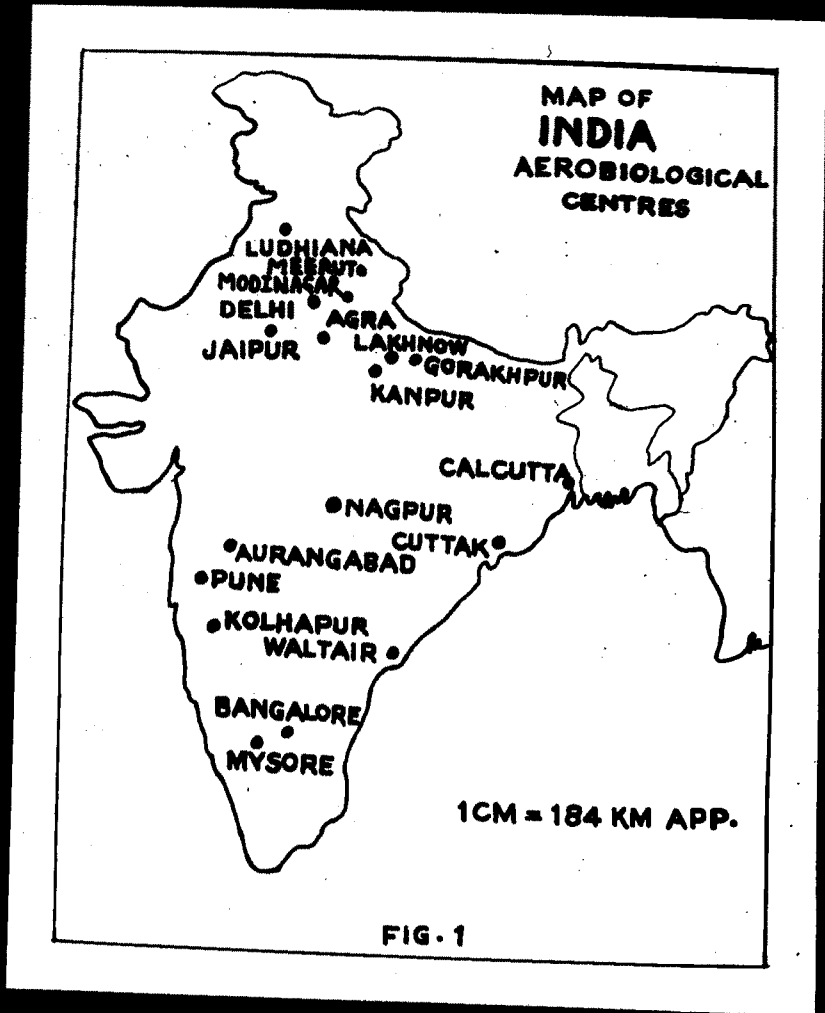


FIGURE - 2

Map of site under investigation

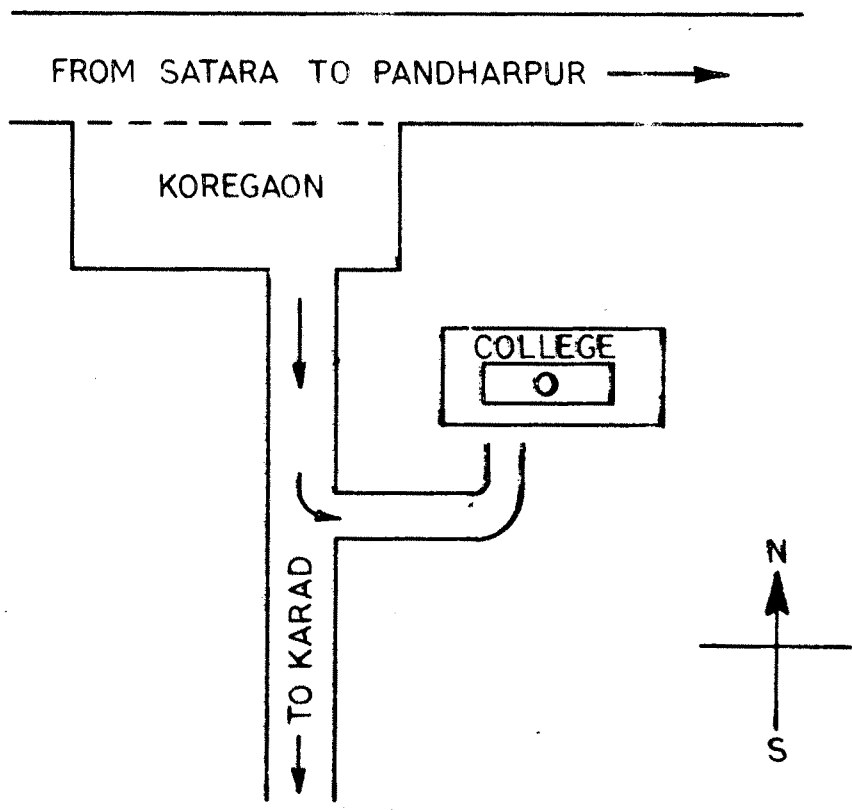


FIG: 2

FIGURE - 1

**Metereiological data during 1st April
to 30th September 1961 showing its
relation to the daily total air spora.**

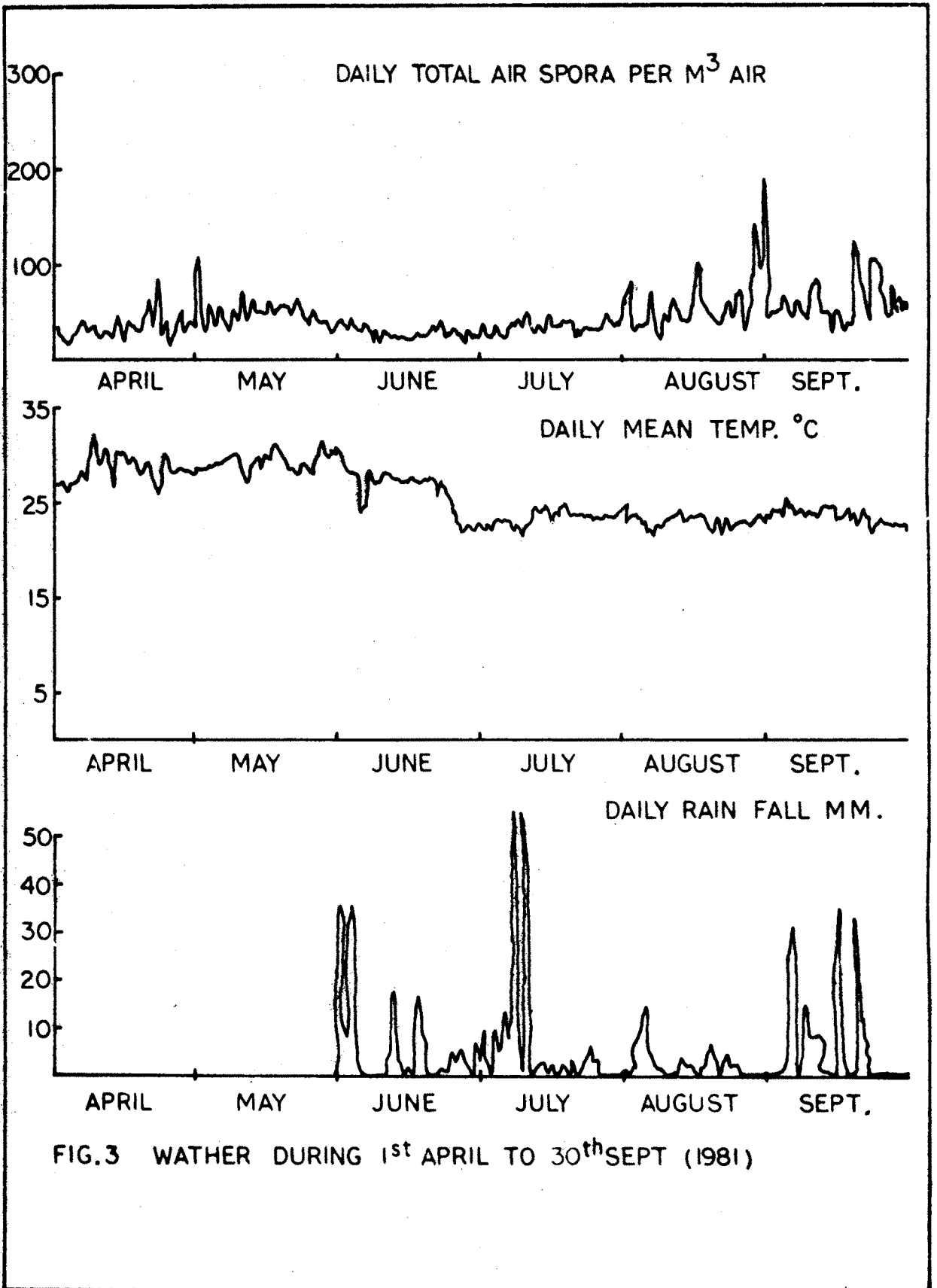


FIG.3 WATER DURING 1st APRIL TO 30th SEPT (1981)

FIGURE - 4A

**Histograms showing monthwise variations
in the mean concentration of the
different spore groups.**

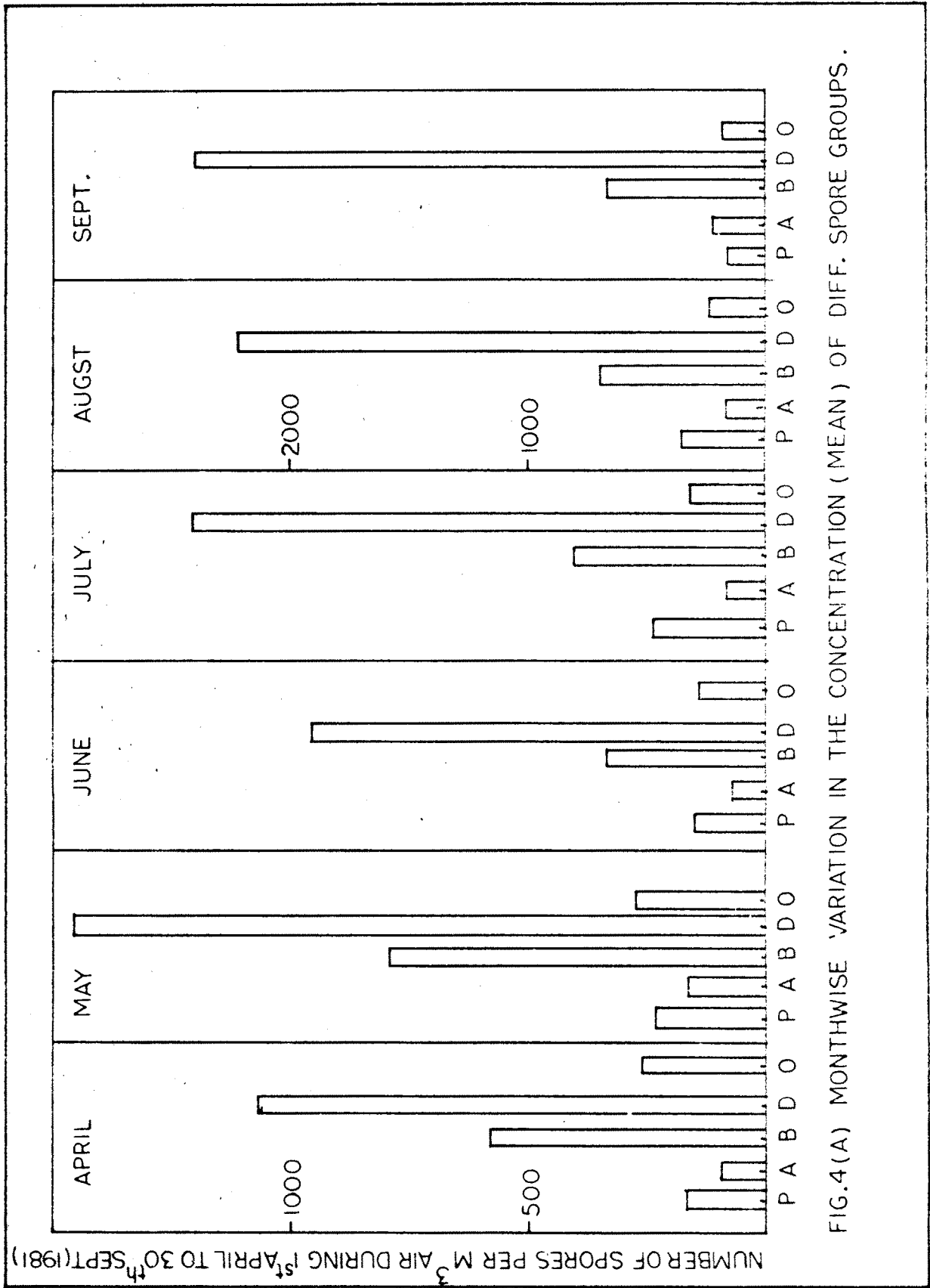


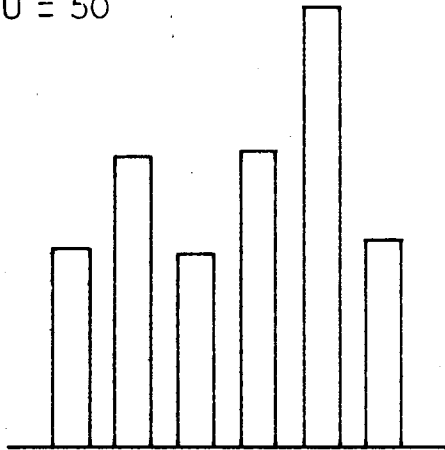
FIG.4(A) MONTHWISE VARIATION IN THE CONCENTRATION (MEAN) OF DIFF. SPORE GROUPS.

FIGURE - 4B

**Histograms showing average monthly
variation in the mean concentration
of each spore group.**

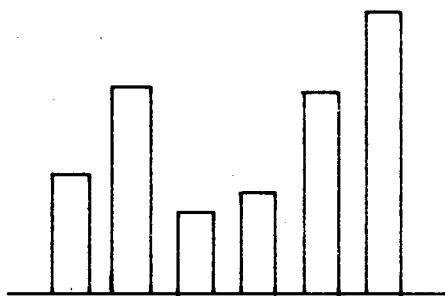
TOTAL PHYCOMYCETES

U = 50



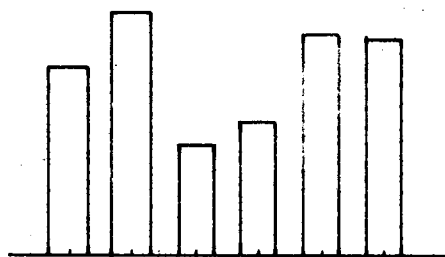
TOTAL ASCOMYCETES

U = 50



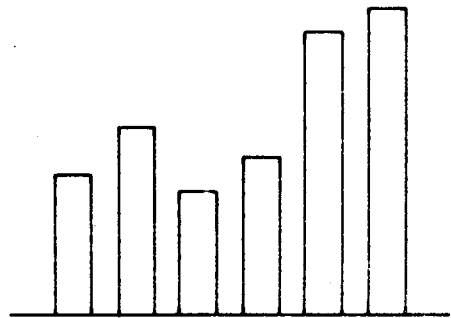
TOTAL BASIDIOMYCETES

U = 200



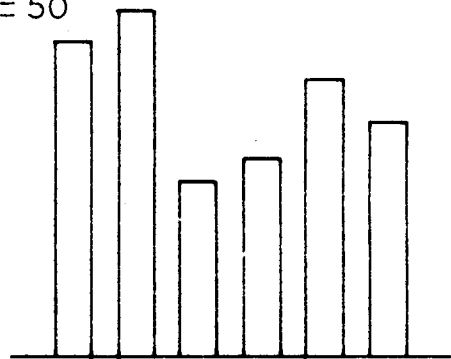
TOTAL DEUTEROMYCETES

U = 500



TOTAL OTHER SPORES

U = 50



TOTAL AIR SPORA

U = 1000

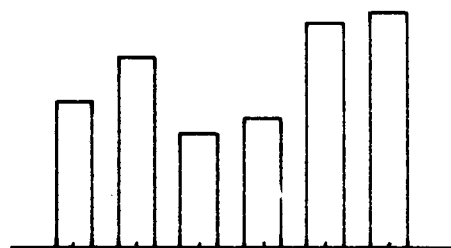


FIG.4 (B) NUMBER OF SPORES PER MONTH PER M³ AIR.

FIGURE - 5

**Histograms showing monthly variations
in the mean concentration of each
spore type.**

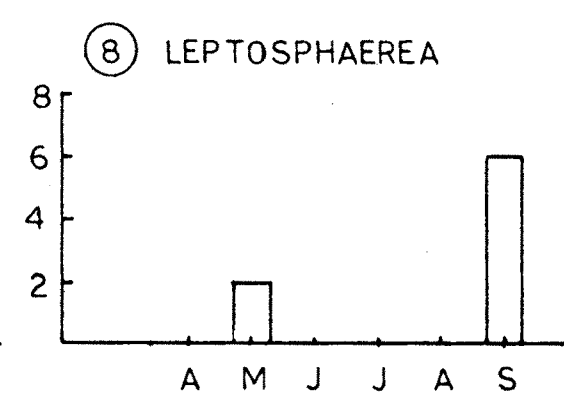
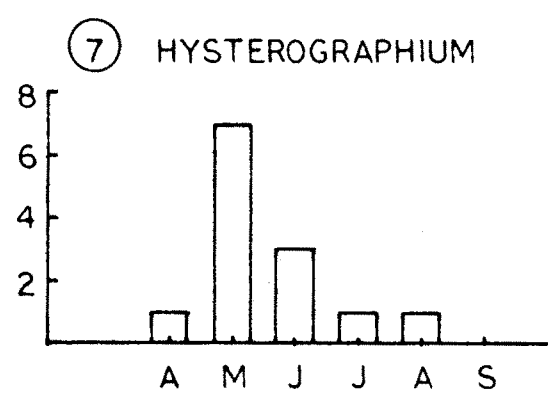
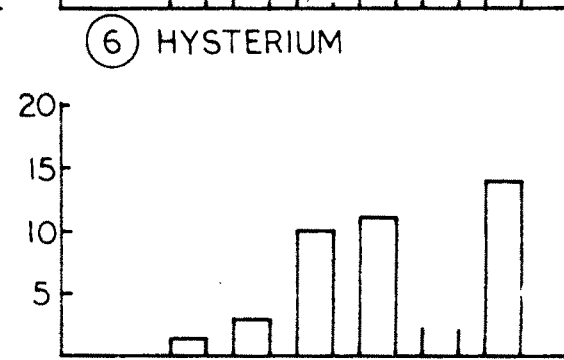
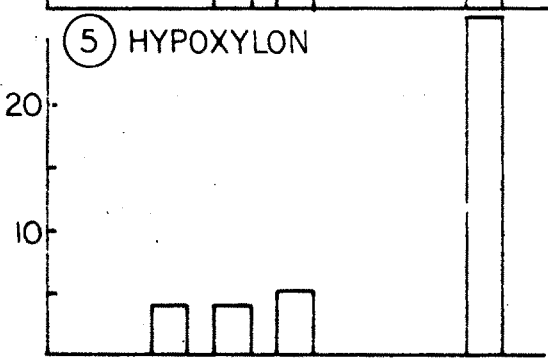
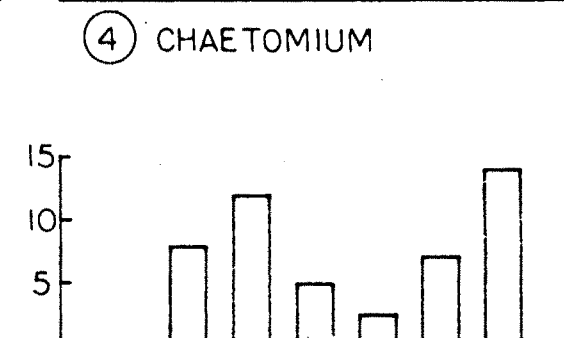
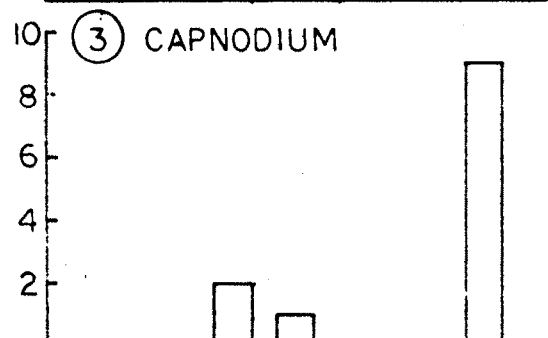
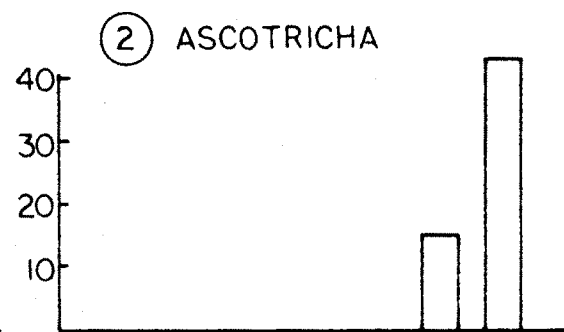
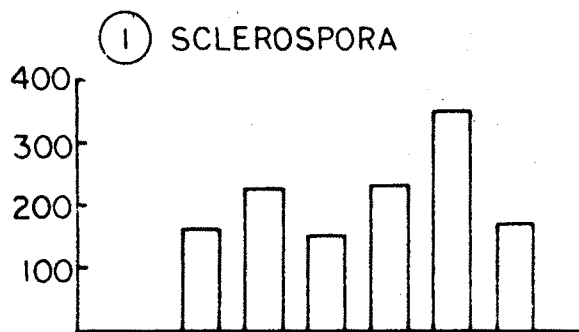
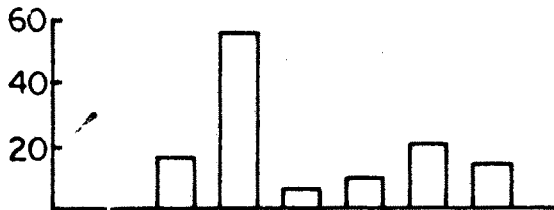
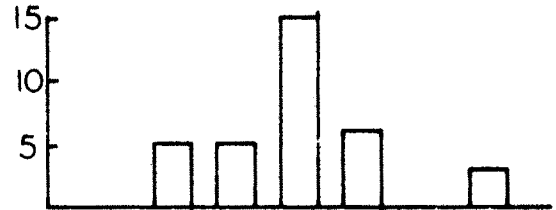


FIG.5(A) NUMBER OF SPORER PER M³ AIR DURING 1st APRIL TO 30th SEPT (1981).

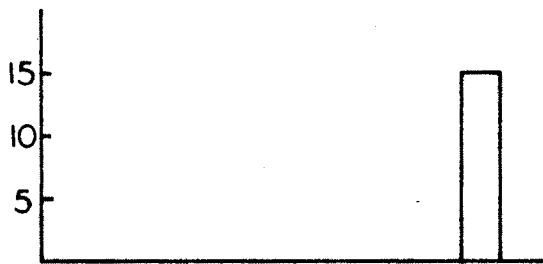
⑨ TEICHOSPORA



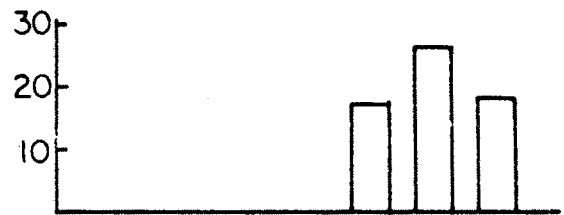
⑩ MELIOLA



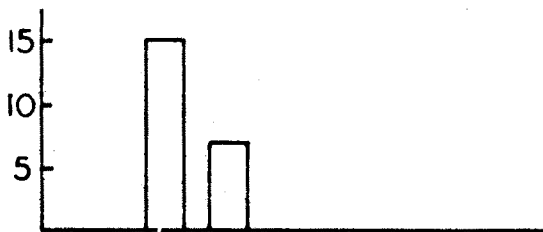
⑪ PARODIELLA



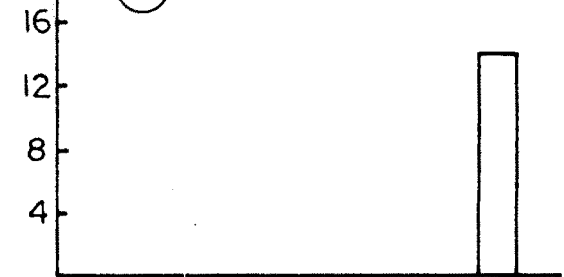
⑫ PATELLARIA



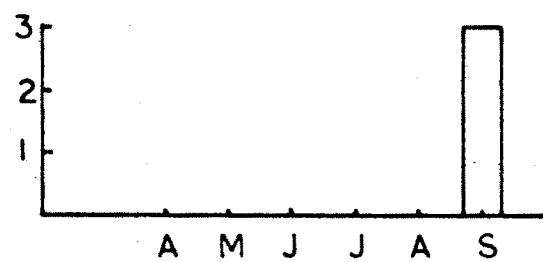
⑬ PLEOSPORA



⑭ PRINGSHEMIA



⑮ SORDARIA



⑯ SPORORMIA

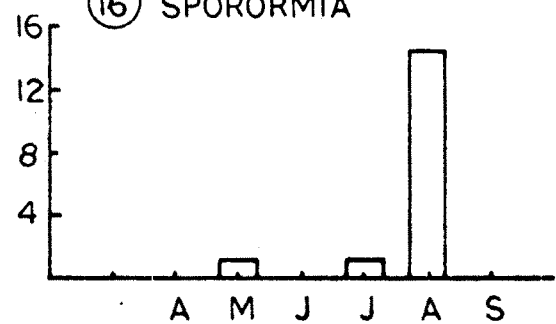


FIG.5 (B) NUMBER OF SPORES PER M³ AIR DURING 1st APRIL TO 30th SEPT (1981).

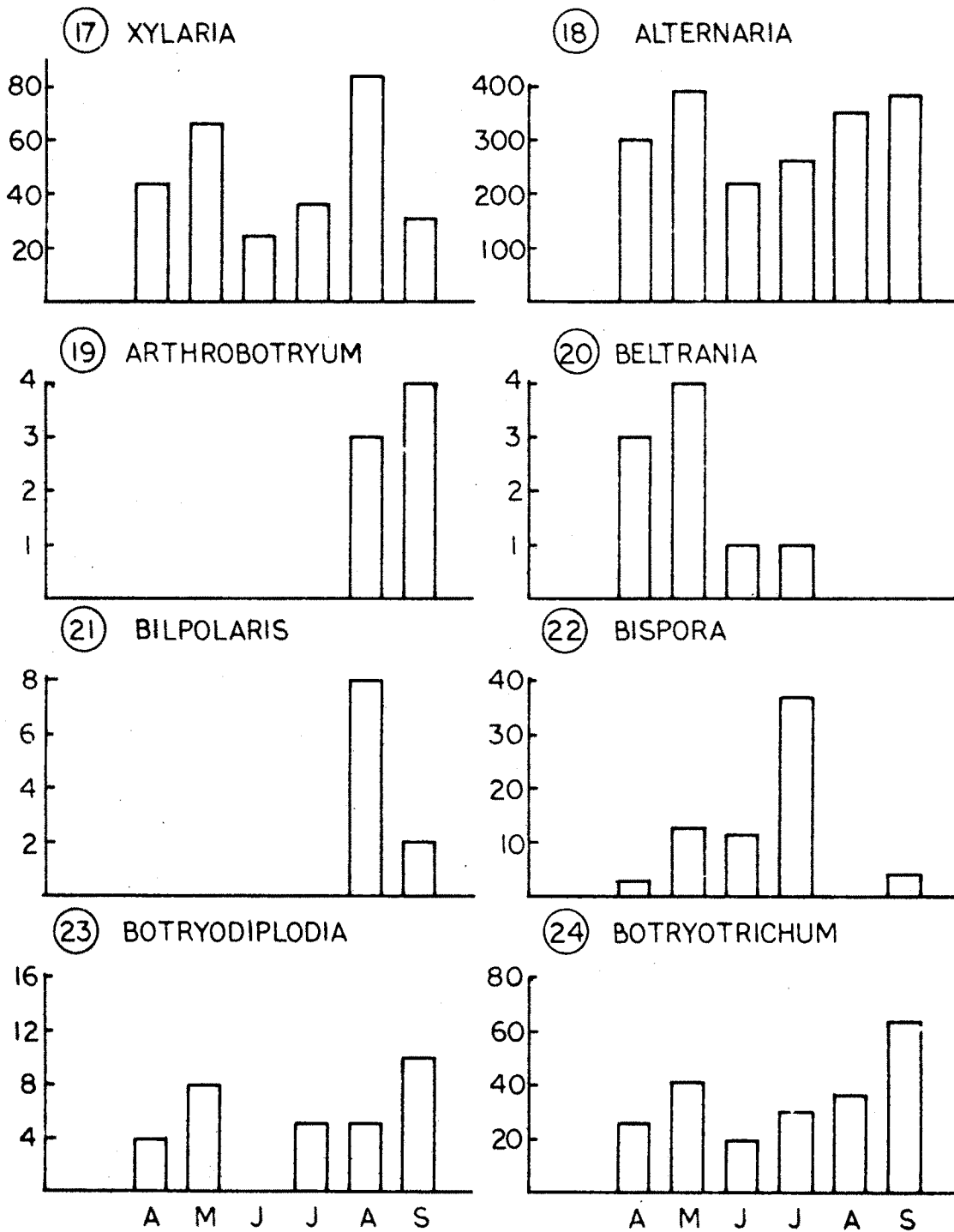


FIG.5 (C) NUMBER OF SPORES PER M³ AIR DURING 1st APRIL TO 30th SEPT (1981).

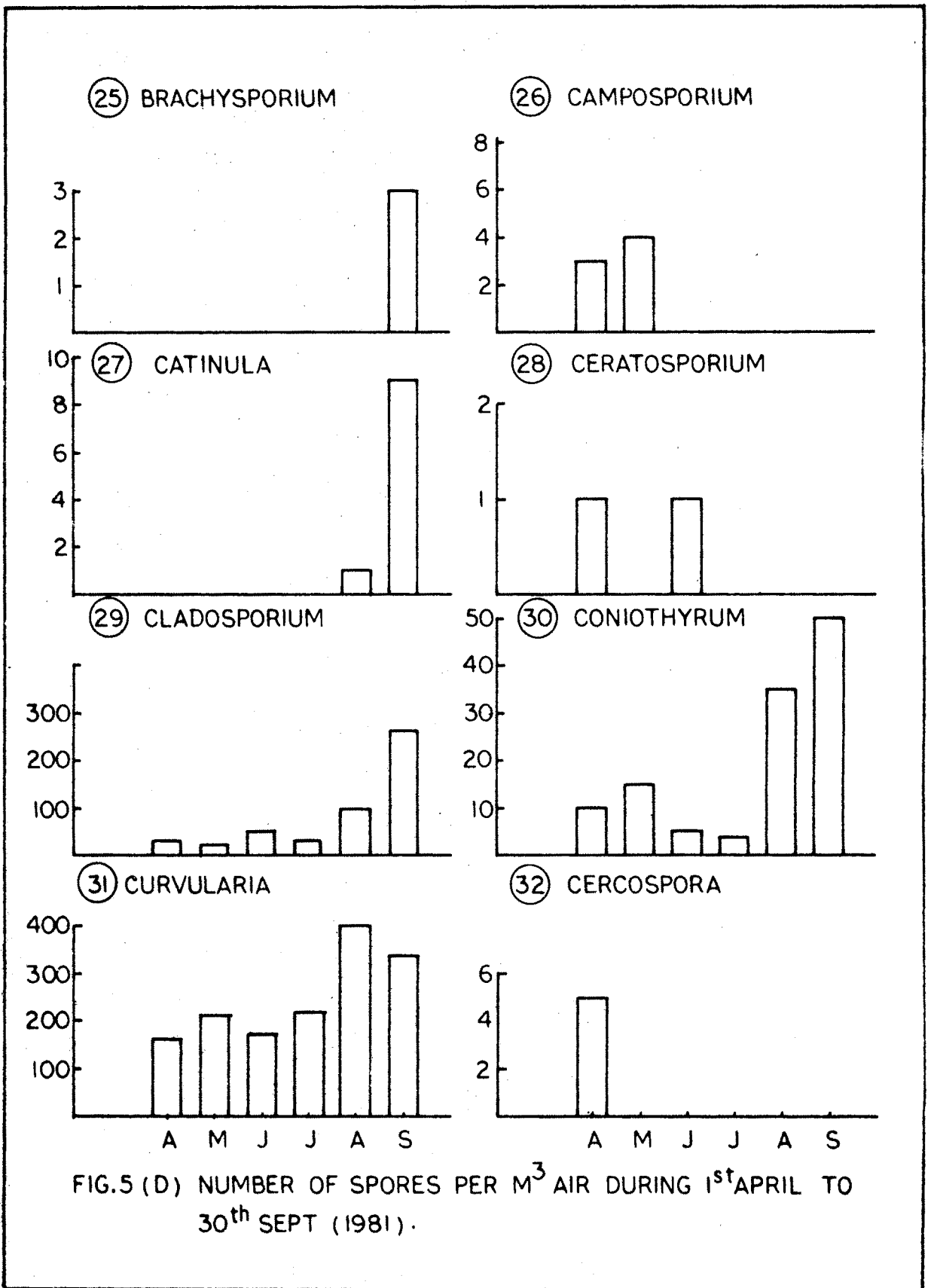
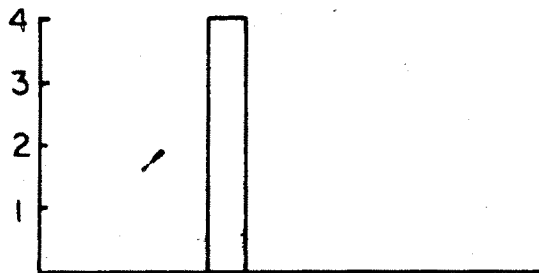
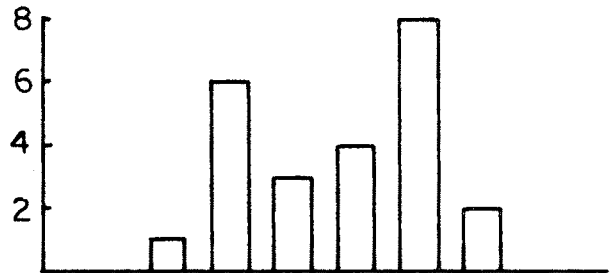


FIG.5 (D) NUMBER OF SPORES PER M³ AIR DURING 1st APRIL TO 30th SEPT (1981).

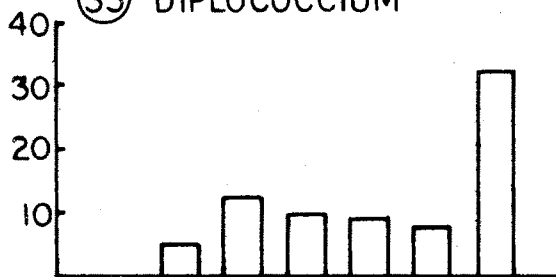
③③ CYLINDROCORDON



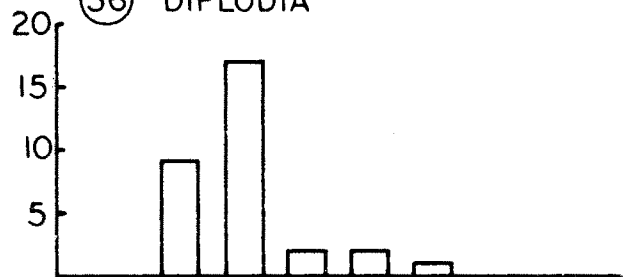
③④ DENOROGRAPHIUM



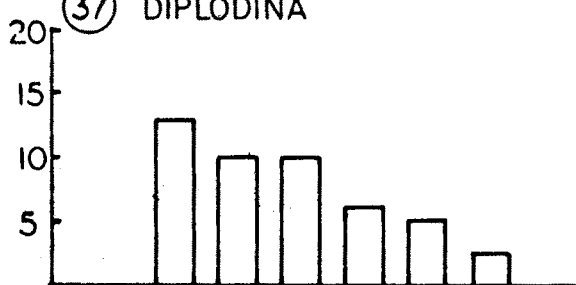
③⑤ DIPLOCOCCIUM



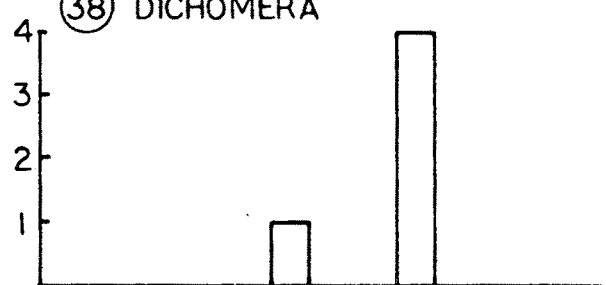
③⑥ DIPLODIA



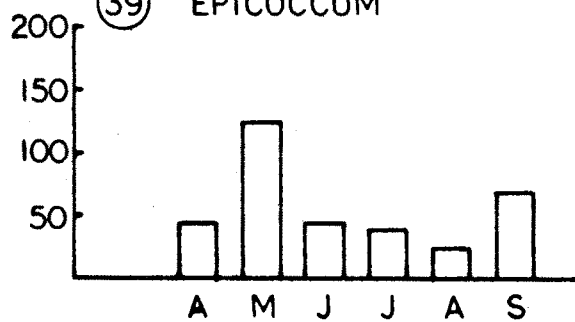
③⑦ DIPLODINA



③⑧ DICHOMERA



③⑨ EPICOCCUM



④⑩ HAPLOSPORELLA

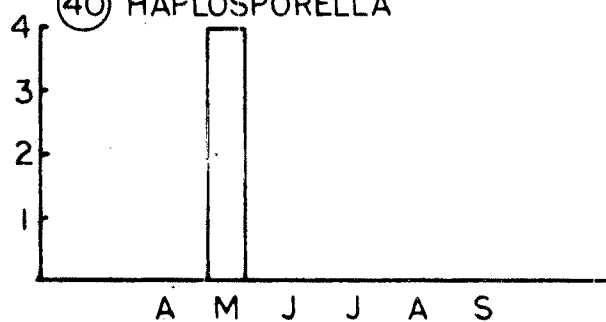
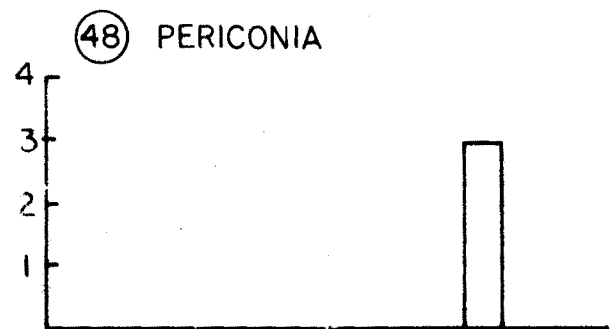
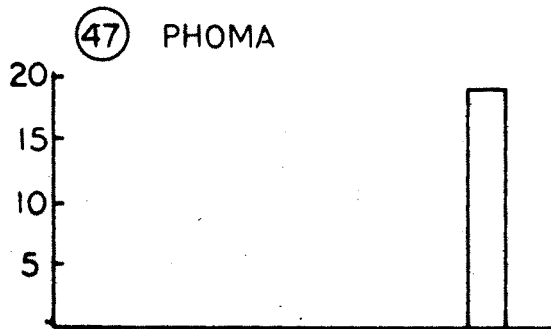
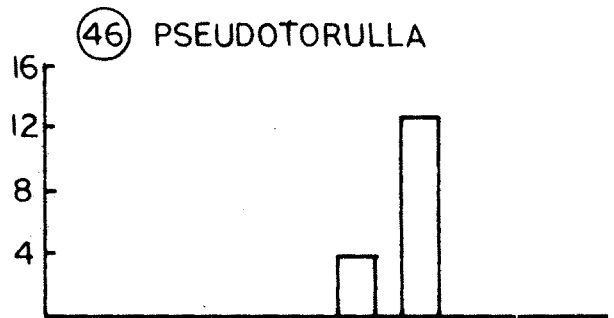
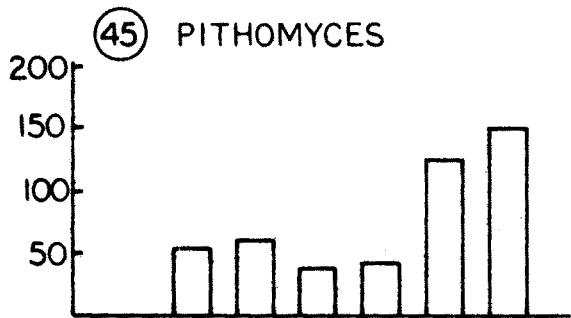
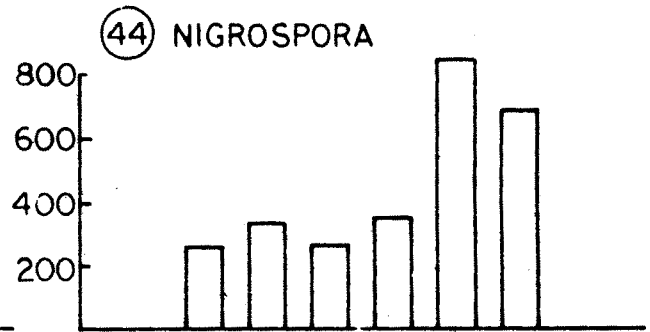
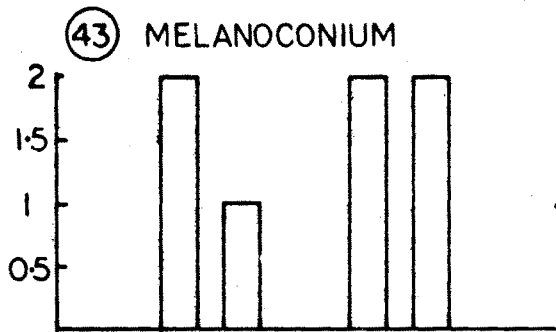
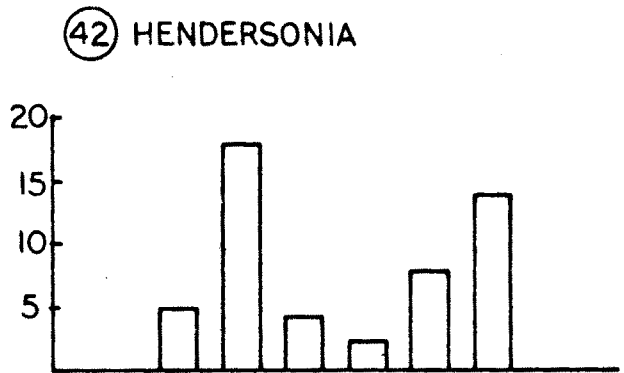
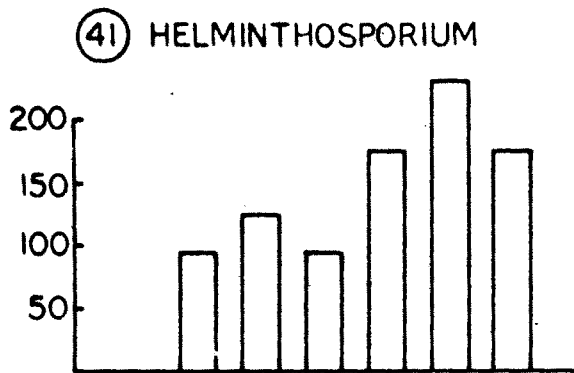


FIG. 5 (E) NUMBER OF SPORES PER M³ AIR DURING 1st APRIL TO 30th SEPT (1981)



A M J J A S

A M J J A S

FIG.5 (F) NUMBER OF SPORES PER M³ AIR DURING 1st APRIL TO 30th SEPT (1981)

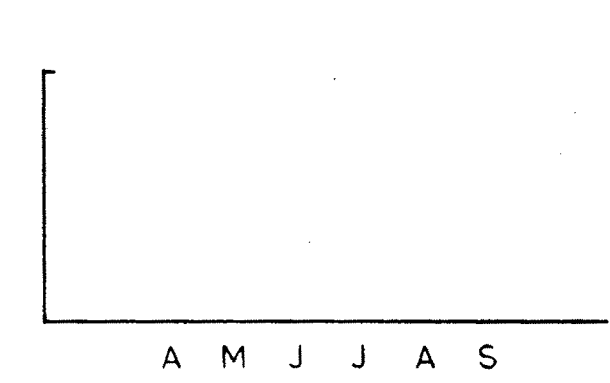
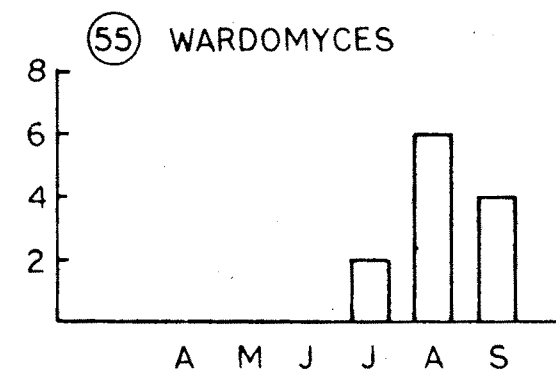
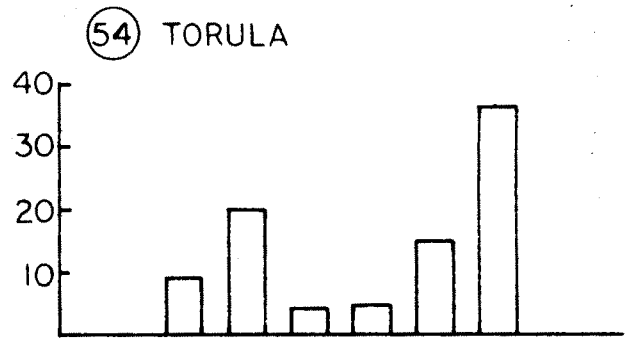
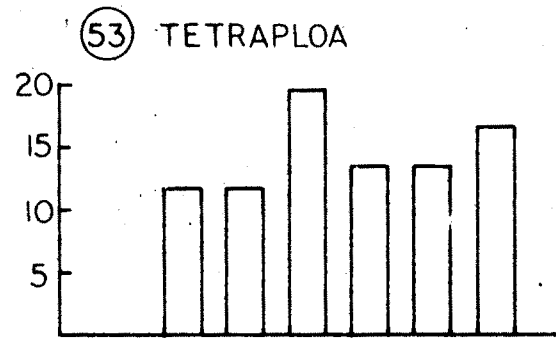
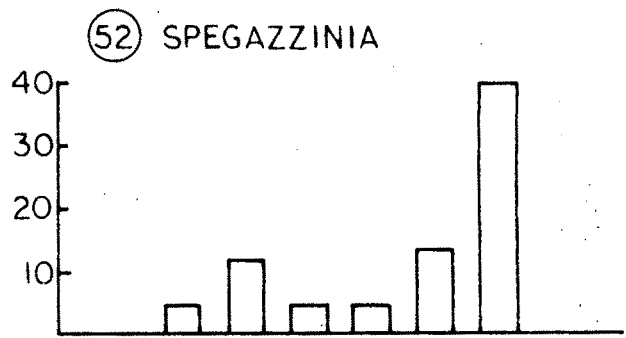
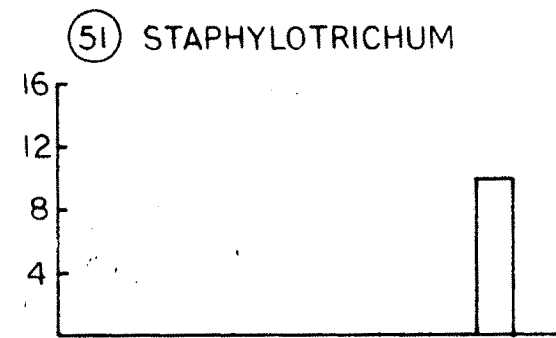
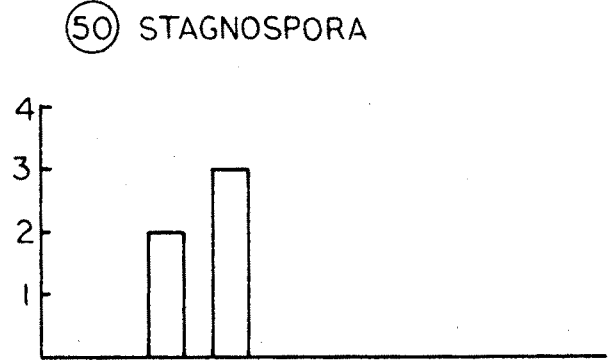
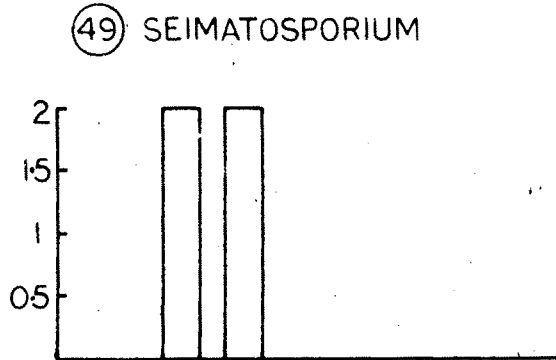
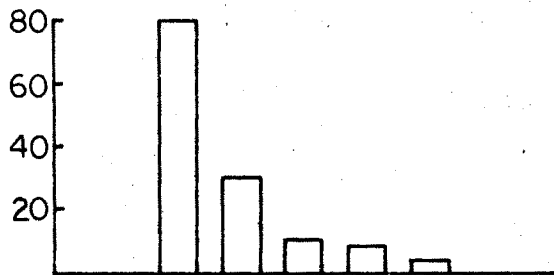
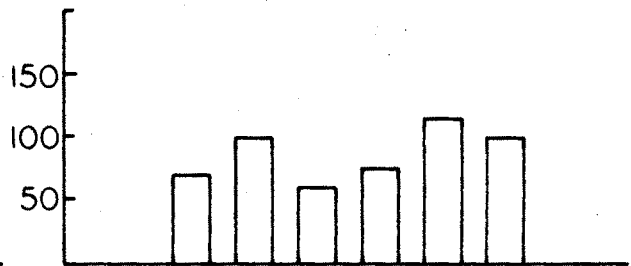


FIG.5 (G) NUMBER OF SPORES PER M³ AIR DURING 1st APRIL TO 30th SEPT (1981)

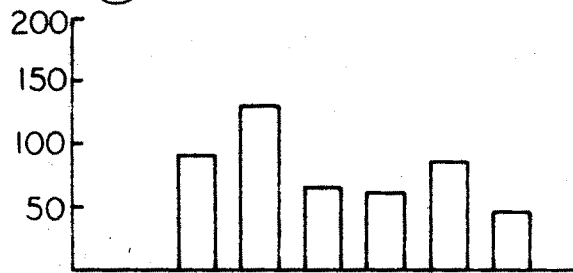
⑤⑥ ALGAL FRAGMENTS



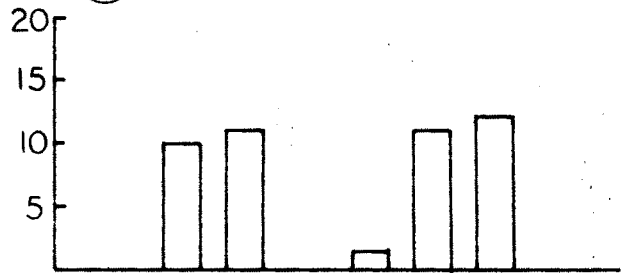
⑤⑦ HYPHAL FRAGMENTS



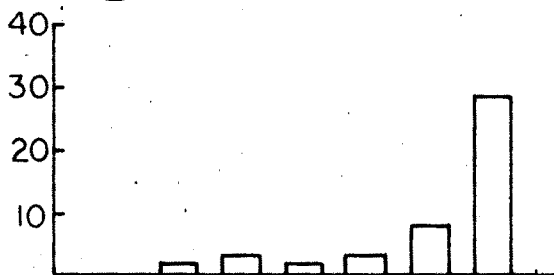
⑤⑧ INSECT SCALES



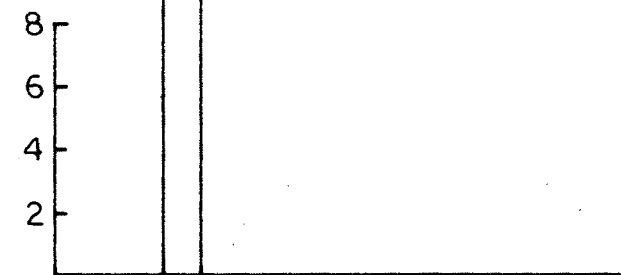
⑤⑨ UNIDENTIFIED GROP



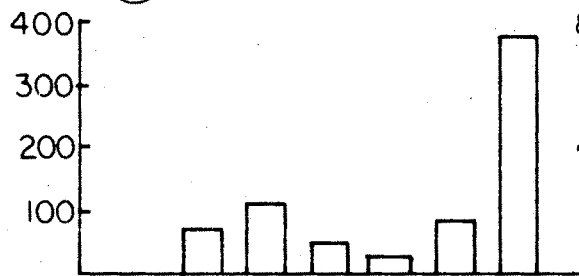
⑥⑩ XYLEM FIBERS



⑥⑪ PUCCINIA, (TELIO SPORES)



⑥⑫ UREDOSPORES



⑥⑬ SMUT

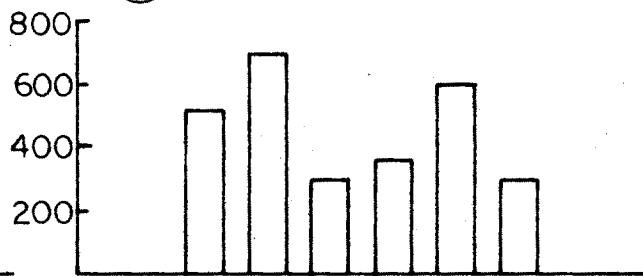


FIG.5 (H) NUMBER OF SPORES PER M³ AIR DURING 1st APRIL TO 30th SEPT (1981)

**Photographs and Drawings of some of the Fungal Spores
trapped during the investigation.**

PLATE - I

- Fig. 1 Sclerospora
Fig. 2 Hymoxylon
Fig. 3 Pleospora
Fig. 4 Xylaria

PLATE - II

- Fig. 5 Smut spores
Fig. 6 Urediospores
Fig. 7 Potryodiplodia
Fig. 8 Chaetomium

PLATE - III

- Fig. 9 Curularia
Fig. 10 Ganoderium
Fig. 11 Dendrocratium
Fig. 12 Diplodia

PLATE - IV

- Fig. 13 Epicoecium
Fig. 14 Helminthosporium
Fig. 15 Diplodia
Fig. 16 Nigrospora

PLATE V

- Fig. 17 **Pithecomyces**
Fig. 18 **Phoma**
Fig. 19 **Torula**
Fig. 20 **Insect scales**
Fig. 21 **Xylem fragments.**

PLATE VI

- Fig. 22 **Tetrarhiza**
Fig. 23 **Sporozozinia**
Fig. 24 **Stagonospora**
Fig. 25 **Hendersonia**
Fig. 26 **Alternaria**
Fig. 27 **Spinatosporium**
Fig. 28 **Cylindrocarpus**
Fig. 29 **Mardonesia**
Fig. 30 **Meliola**
Fig. 31 **Hysteroglyphium**

...

PLATE I

FIG. 1



FIG. 2



FIG. 3

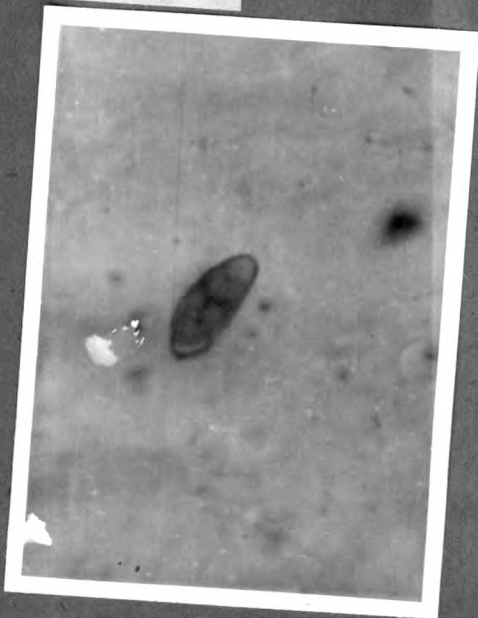


FIG. 4

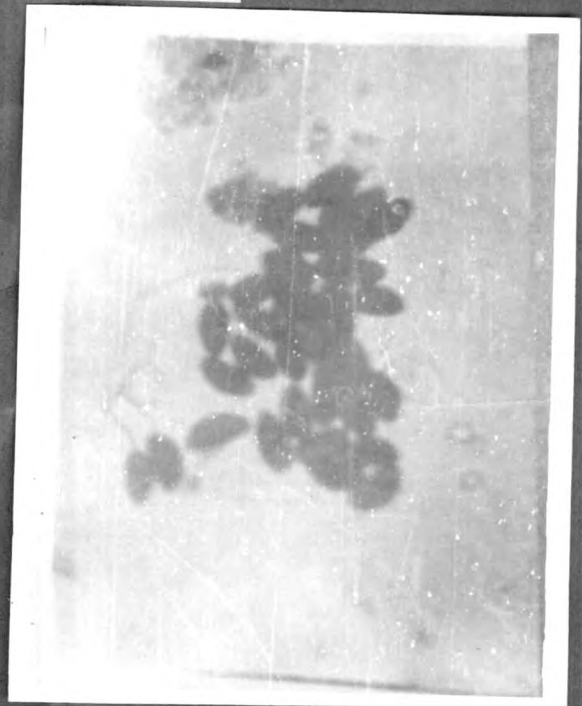


PLATE II

FIG.5

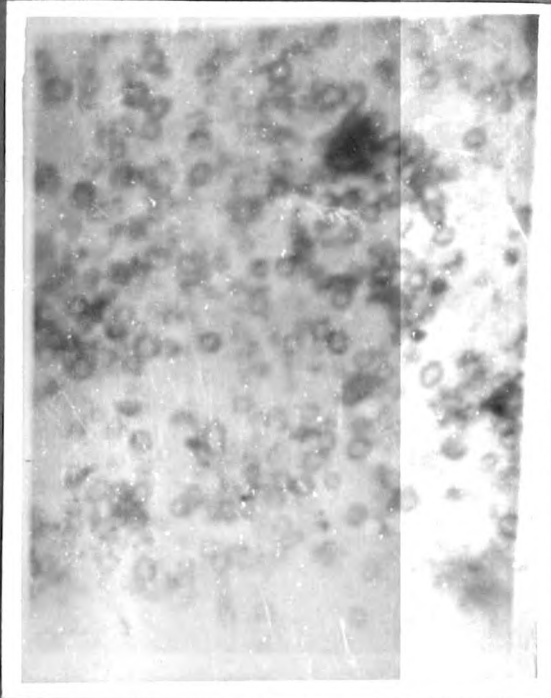


FIG.6

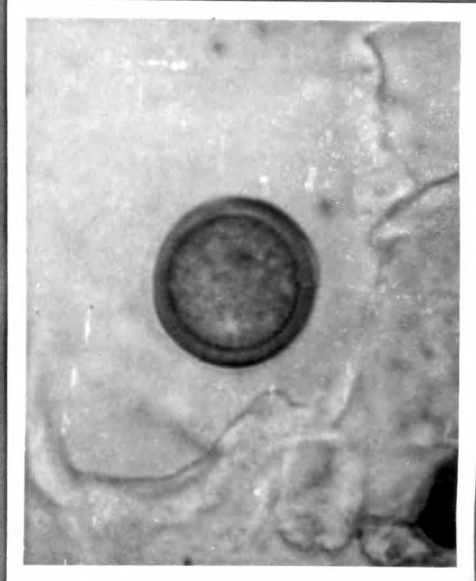


FIG.7



FIG.8



PLATE III

FIG. 9

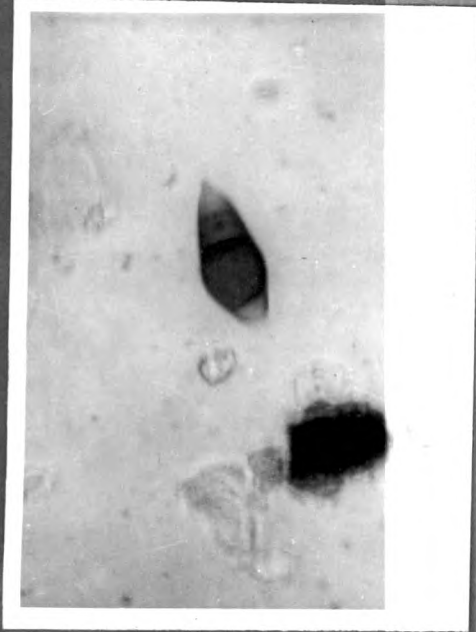


FIG. 10



FIG. 11



FIG. 12



PLATE IV

FIG. 13

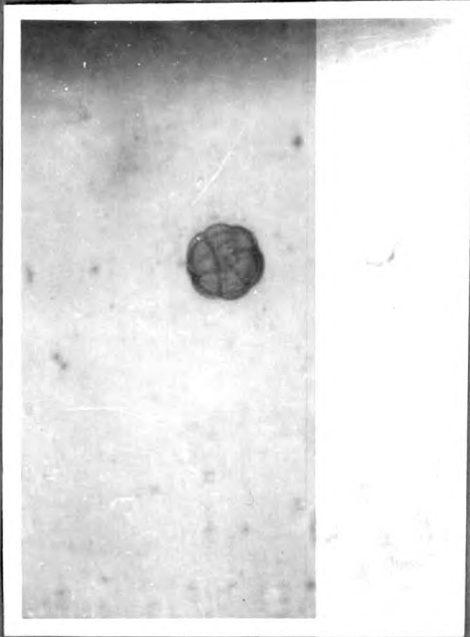


FIG. 14



FIG. 15



FIG. 16



FIG. 17



FIG. 18



FIG. 19

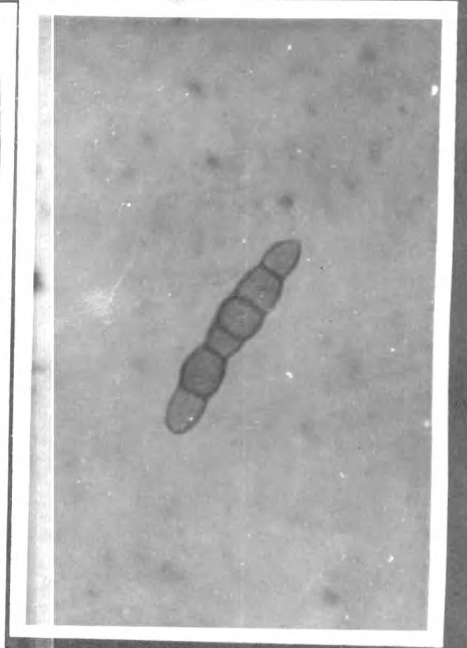


FIG. 20

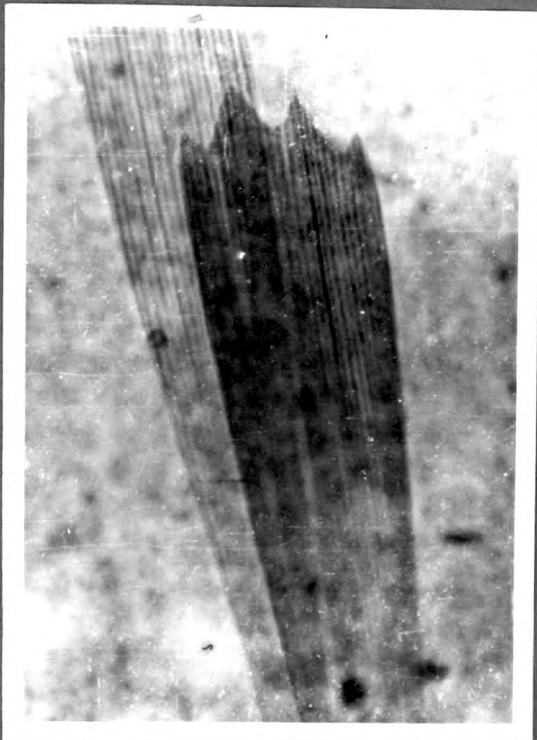


FIG. 21



PLATE VI

TETRAPLOA

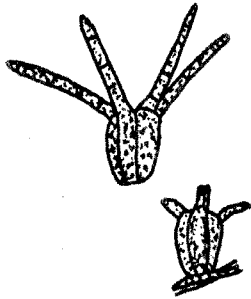


FIG. 22

SPEGAZZINIA



FIG. 23

STAGNOSPORA



FIG. 24

HENDERSONIA



FIG. 25

ALTERNARIA

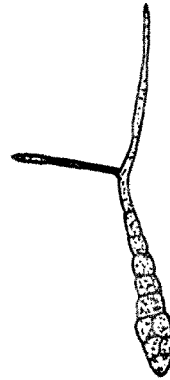


FIG. 26

SEIMATOSPORIUM

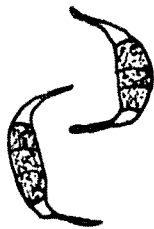


FIG. 27

CYLINDROCARPON



FIG. 28

WARDOMYCES



FIG. 29

MELIOLA



FIG. 30

HYSTEROGRAPHIUM



FIG. 31