

Oophyte Generation.
 (Sexual Phase.)
 Sporophyte Generation
 (Asexual Phase.)
 Alternation of generations often well defined.

XII.—FILICES.
(Ferns.)

XIII.—EQUISETACE.
(Horse-tails)

A. Leptosporangiate.		B. Eusporangiate.		
1. Homosporous.	2. Heterosporous.	3. Homosporous.	Homosporous.	Heterosporous.
<i>Orders.</i>	<i>Orders.</i>	<i>Orders.</i>	<i>Orders.</i>	<i>Orders.</i>
1. Filices. Asexual reproduction wholly subordinate; when present, chiefly by extension and division of the main axis, more rarely by bulbs, or by stoloniferous fronds, or even by apogamy.	1. Salviniaceae. 2. Marsiliaceae. Asexual reproduction wholly subordinate.	1. Ophioglossaceae. 2. Marattiaceae. Asexual reproduction subordinate, by means of adventitious buds on the roots.	1. Equisetaceae. 2. Calamitae (?). Asexual reproduction subordinate by means of tubers.	1. Annulariaceae. 2. Asterophyllitaceae.
1. Prothallus ♂ well formed.	1. Prothallus ♂ well formed.	1. Prothallus ♂ well formed.	1. Prothallus ♂ well developed.	Represented by sil forms only. Succession as in heterosporous Lycopodiinae.
2. Antheridium ♂	2. Antheridium.	2. Antheridium ♂	2. Antheridium ♂	
3. Spermatozoids motile.	3. Spermatozoids.	3. Spermatozoids motile.	3. Spermatozoids motile.	
1. Prothallus ♂ well formed.	1. Prothallus well formed.	1. Prothallus ♂ well formed.	1. Prothallus ♂ well developed.	
II. Archegonia	II. Archegonia.	II. Archegonia	II. Archegonium	
III. Oosphere (Ovum.)	III. Oosphere (Ovum)	III. Oosphere (Ovum)	III. Oosphere (Ovum)	
4 x IV. Oospore.	4 x IV. Oospore	4 x IV. Oospore.	4 x IV. Oospore.	
5 x V. Embryo rudimentary.	5 x V. Embryo rudimentary.	5 x V. Embryo rudimentary.	5 x V. Embryo rudimentary.	
6 x VI. Normal plant.	6 x VI. Normal plant	6 x VI. Normal plant.	6 x VI. Normal plant	
7 x VII. Sporophyll.	7 x VII. Sporocarp.	7 x VII. Sporophyll.	7 x VII. Scales of ter	
8 x VIII. Sporangia.	8 x VIII. Sporangia	8 x VIII. Sporangia.	8 x VIII. Sporangia.	
9 x IX. Spores.	9 x IX. Spores and ♂	9 x IX. Spores.	9 x IX. Spores with elaters.	