

SYNOPSIS OF THE ORDERS OF PLANTS CONTAINED IN VOLUME VII. OF THE SILVA OF NORTH AMERICA.

CLASS I. **DICOTYLEDONOUS or EXOGENOUS PLANTS.**

Stems increasing in diameter by the annual addition of a layer of wood inside the bark. Leaves netted-veined. Embryo with a pair of opposite cotyledons.

SUB-CLASS I. **Angiospermæ.** Pistil, a closed ovary containing the ovules and developing into the fruit.

DIVISION III. **Apetalæ.** Corolla 0. Stamens inserted on the petaloid calyx, or hypogynous.

44. **Lauraceæ.** Flowers perfect or dioecious. Stamens 9 to 12, hypogynous. Ovary superior, 1-celled. Ovule solitary, suspended, anatropous. Seed exalbuminous. Leaves alternate or opposite, exstipulate.

45. **Euphorbiaceæ.** Flowers unisexual. Stamens 1, few or many. Ovary superior, usually 1-celled. Ovule solitary, or 2, collateral, descending, anatropous. Seed albuminous. Leaves usually alternate or opposite, stipulate.

46. **Ulmaceæ.** Flowers perfect or polygamo-monoecious. Stamens as many as the lobes of the calyx, hypogynous. Ovary superior, 1-celled. Ovule solitary, suspended, anatropous. Fruit a compressed winged samara, or drupaceous. Seed albuminous. Leaves alternate, stipulate.

47. **Moraceæ.** Flowers unisexual. Stamens as many as the lobes of the calyx. Ovary superior, 1-celled. Ovule solitary, suspended, anatropous. Seed albuminous. Leaves alternate or opposite, stipulate.

48. **Platanaceæ.** Flowers monoecious in dense unisexual capitate heads. Stamens as many as the lobes of the calyx. Ovary superior, 1-celled. Ovule usually solitary, suspended, orthotropous. Seed albuminous. Leaves alternate, stipulate.

49. **Leitneriaceæ.** Flowers amentaceous, dioecious. Stamens 3 to 12. Ovary superior, 1-celled. Ovule solitary, ascending, semianatropous. Fruit drupaceous. Seed albuminous. Leaves alternate, exstipulate.

50. **Juglandaceæ.** Flowers monoecious. Stamens indefinite. Ovary inferior, 1-celled. Ovule erect, orthotropous. Fruit a nut inclosed in an indehiscent or 4-valved woody or fleshy involucre. Leaves alternate, exstipulate.