

contrast in the delicacy of its outline. Scarcely less conspicuous but of a different shade of red are the bushes of the beautiful dwarf Barberry (*Berberis Thunbergi*) and the different Dog-woods (*Cornus*).

The Purple-leaved Plum still holds its summer garb like the oak and will retain it until severe frost loosens its grasp. The foliage is of a deep maroon-purple. Many shrubs and herbaceous plants when touched by frost take on a purplish shade, this is sometimes very bright on the Red and Silver Maples and the White Ash. In the Smoke Tree (*Rhus cotinus*) the leaves appear to have been delicately washed with rose madder while the Scented Sumach (*Rhus Canadensis*) varies from pale yellow to bright scarlet or purplish bronze.

Bronze prevails to a large extent in the autumn foliage. Raspberries and Strawberries are frequently very beautiful and the Wild Roses are rendered most attractive objects. The heavy rich foliage of the Japanese *Rosa rugosa* is much improved by this autumn bronzing and as it holds its leaves and handsome fruit for a long time it is a useful shrub for ornamental grounds.

Particularly beautiful is the crimson and gold autumn foliage of *Pyrus arbutifolia*, and although less vivid in colouring the golden yellow of the various poplars and hard maples add much to the glory of the autumn landscape.—John Craig, Ottawa.

IMPOTENCY OF HYBRIDS.—The fact that many varieties of the Rogers and other hybrid grapes are dependent on cross fertilization was clearly brought out, owing to the peculiar state of the atmosphere during the blossoming period this year. A humid atmosphere with frequent showers prevented in a large degree intercrossing by wind or insects, and consequently we find a number of varieties comparatively unfruitful, which in favourable seasons are uniformly productive.—John Craig, Ottawa.

ANTHRACNOSE or Bird's-eye-rot (*Sphaceloma ampelinum*) is creeping into vineyards in the vicinity of Ottawa and may prove very destructive in the future. All diseased wood, leaves and fruit should be burned this autumn and the canes and trellises sprayed with a solution of iron sulphate one pound to 25 gallons.—John Craig, Ottawa.