

## ENCYCLOPS, Newm.

*E. ceruleus*, Say, belongs here. It is smaller than most of the Lepturoides, and of slender parallel form, the elytra scarcely tapering to tip. The head is broad, squarish, the constriction far behind the eyes. Lateral thoracic tubercle distinct. Colour usually blue, varying to greenish, legs testaceous, antennæ with the bases of the joints (especially the distal ones) more or less testaceous. Punctuation strong, rugose. .28-.32. inch.

FOOD PLANTS OF THE SAN JOSE SCALE (*ASPIDIOTUS PER-  
NICIOSUS*) IN OHIO, EXCLUSIVE OF FRUIT TREES.

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The following list includes forest and ornamental trees and shrubs, upon which the San José scale has been found breeding in Ohio\*. Nearly all of these have been found either by myself or my assistant, Mr. C. W. Mally, in sufficient numbers to indicate that the insect might thrive on any of them. The Cotoneaster was sent for inspection, it having been recently received from a Long Island nursery firm, and when received was literally covered with the scale :

Grape, <i>Vitis labrusca</i> .	Willow (imported), <i>Salix veriminalis</i> .
Linden, <i>Tilia Americana</i> .	Cut-leafed Birch, <i>Betula</i> , sp.
European Linden, <i>Tilia Europæa</i> .	Lombardy Poplar, <i>Populus dilatata</i> .
Sumac, <i>Rhus glabra</i> .	Carolina Poplar, <i>P. monilifera</i> .
Japan Quince, <i>Pyrus japonica</i> .	Golden-leaf Poplar, <i>P. Van Geerti</i> .
Cotoneaster, <i>C. frigidum</i> .	Catalpa, <i>C. speciosa</i> .
Flowering Peach, <i>Prunus</i> , sp.	Chestnut, <i>Castanea sativa</i> .
Flowering Cherry, <i>Prunus</i> , sp.	Osage Orange, <i>Maclura aurantiaca</i> .
American Elm, <i>Ulmus Americana</i> .	Snowball, <i>Viburnum opulus</i> .
Black Walnut, <i>Juglans nigra</i> .	

To these must be added the several varieties of roses, currants, gooseberries and raspberries. The Early Richmond cherry I believe to be exempt from attack, as I have found trees whose branches interlocked with those of a pear that had been killed by the scale, yet the cherry was uninfested ; and in two cases that came under my observation, where this variety of cherry had been grafted upon mahaleb stock, and shoots had sprung up from below the graft, the shoots were badly infested with scale, while none at all could be found on the trees themselves.

\* The determinations have been kindly verified by Dr. L. O. Howard, of the Division of Entomology, Department of Agriculture, Washington, and his assistants,