 asmbicient momber of sperimens were obtained. It will he sern that while the darves
 whirla are exartly alike. In other words. earla loeality has its own virietr, whiela in the areresate is diferent from the varioty in every other lowality.


 probably in mo ease be moved rither for the right of to the lett by an examination of a harger umber of suesimens, bat the width of the cmove womb probably bereater and the beight along the different prowndionlan limes might be greater or less. In other words, the smaller the momber of specimens the higher amb narower will be the curve.

There are presented there corver lor the localities with alithorntaltitures on the Fraser system (plate $\overline{7}$ ). The momber of sperimens was, respertively, in, as, amd It; the elevation 1, 1,300 , and 1,900 fert. The ramiation is seen to be muchereater in the bowest locality, a fact which ean not be entirely attributed to the greater mumber of sperimens examined, fion the variation from the momal, which is 19 rays, to a higher number of rays, is as great as the entire variation for the nex beality.

In the secomb locality a much larace per ernt have the nomal momber af mys, but the normal number has been dererased to 17 . The sperimens from this boably, with two exeeptions, I have identifed as L. Introlis. Thone hom the first lowatity, Mission, represent L. bultcatus.

The thire list is interesting from the tact that the momal momber of rays is aban moved two rays to the lelt. In other words, the higher the altitule the tewer the mamber of rays and the marower the limits of variation. Wareover, the dimes are mot symmetrieal for any of the three bealities, hat in the ageremate the more gralnal shope is on the sifle of an increased momber of rass, a condition which, comsidering the general variation of mys on the Pacife Slope, seems to indicate that the mmber of rays of the speries of this gems in the lemser system is imereasing amb that the inctease is progressing trom lower to higher altitules.

The emores for the Cohmbia system (fate S) are mot so umamons in their indications. It will, however, be noticed that. with we exception, they show that the momber of bays dereases with the inrease of the altitule, the highest puint examined, Ldaho Falls, having the fewest rays. These specimens represent L. hydrophlox, which, with montanus, does not desereml from the momatains or high phateans.

The grealest variation in this spstem was not at the lowest altitude, hat at an elde-
 as in the Fraser system, greater on the right than on the left. The variation is again greater toward the higher nmmber of rats than towind the lawers.

I am unt aware that a simila attempt has been mate bofore to represent variations between localities. While the rowes here given will wo domht valy mightly with every alditional specimen examineal the natme at the corve will probably mot be greatly ehanged. ('ertainly the important point, that each lowatity has a variety which in the agregegate is diferent from the variety of evers other locality, can mot be
 the mumider of rays in the species considered decreases with the altitude.

