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getting illustrations of natural pruning, there is just now an unusual opportunity in the woods near Elmsford, just east of Tarrytown.

R. C. BENEDICT

## REVIEW

### **Chamberlain's Methods in Plant Histology\***

During the fifteen years which have elapsed since its initial appearance, Chamberlain's "Methods in Plant Histology" has come to be generally regarded as an almost indispensable part of every teaching botanist's equipment. The first edition (1901), followed four years later (1905) by a second, has now been superseded by a third. This volume follows the same general scheme as the second edition. In Part I (pp. 1-147) the principles and methods of technique have been described in a general way. As before, there are chapters on apparatus, reagents, stains and staining, temporary mounts and microchemical tests, freehand sections, the glycerin method, the Venetian turpentine method, the paraffin method, the celloidin method, and special methods, while a new chapter has been added on photomicrography and lantern slides. Part II (pp. 151-307) is devoted mainly to the application to specific cases of the methods evolved in Part I. In addition, attention is given to the collection of material, its cultivation to secure reproductive phases, etc.

Although the general plan of this volume is identical with that of the preceding editions, it is virtually a new book. The subject matter has been thoroughly revised and brought up to date and has been largely rewritten. The number of pages in the present volume is fifty pages greater than that in the second edition.

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\* C. J. Chamberlain. *Methods in Plant Histology*. Third Edition. Pp. xi+314. 107 f. in text. University of Chicago Press. 1915. \$2.25 plus postage.