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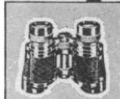
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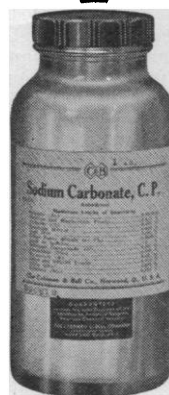
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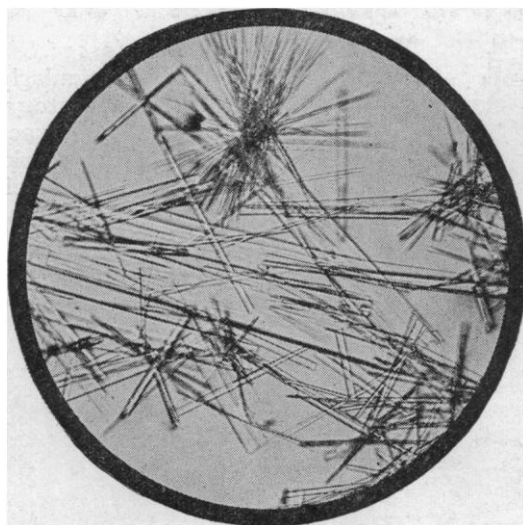
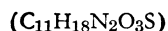
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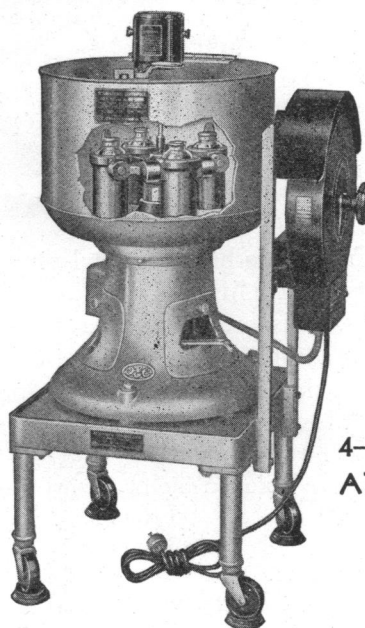
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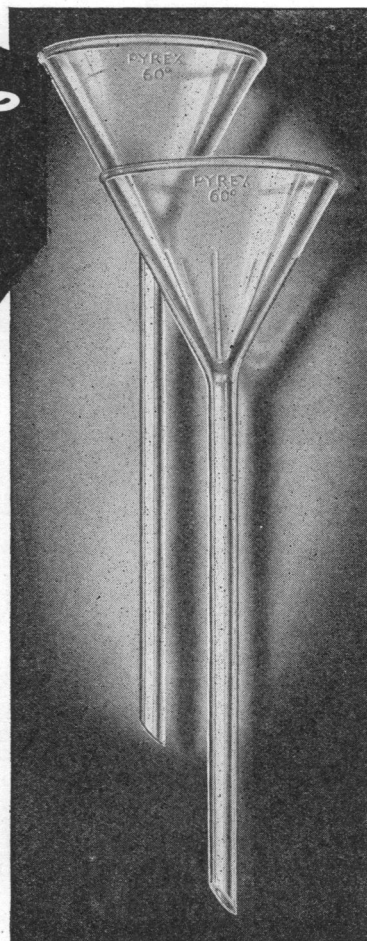
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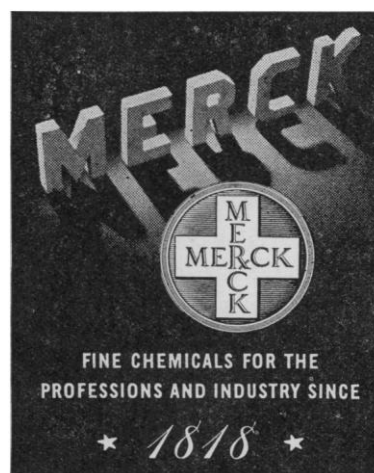
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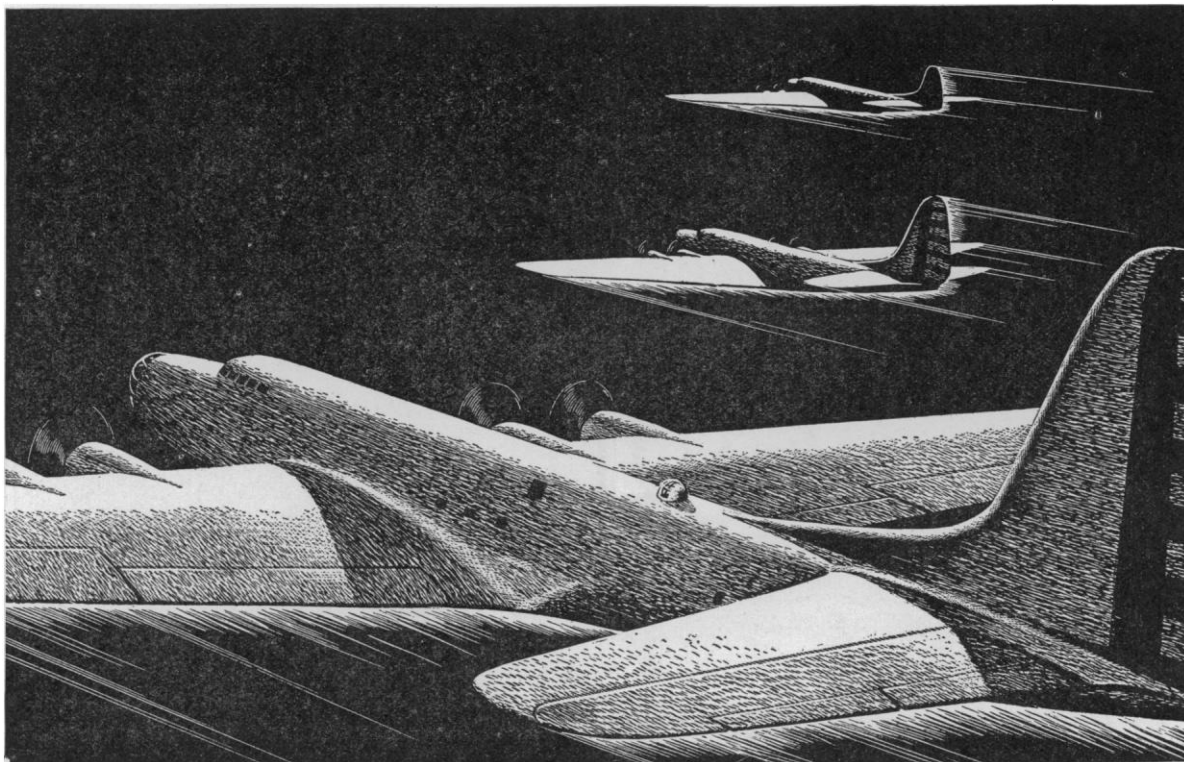
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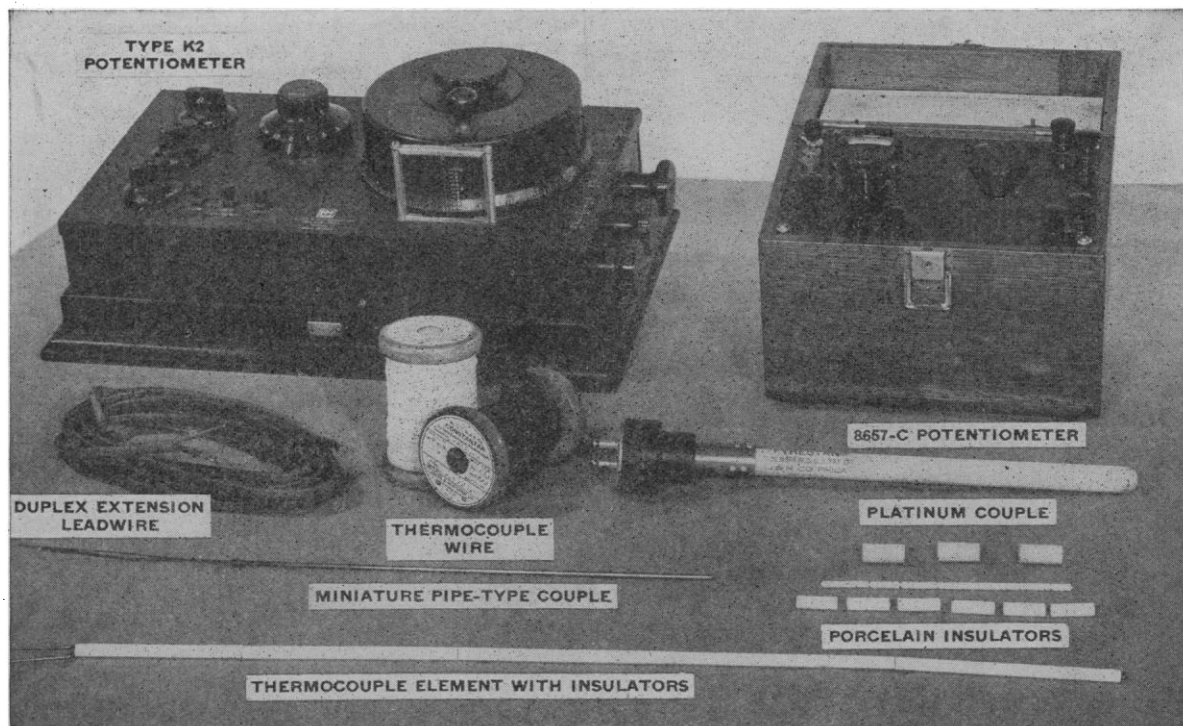
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SOME SOCIAL IMPLICATIONS OF THE SCIENTIFIC METHOD¹

By Professor L. H. MacDANIELS

CORNELL UNIVERSITY

SEVERAL considerations have led me to choose the present title, which I know will appear to many of you, at least at first sight, to be rather inappropriate for presentation before the American Society for Horticultural Science. Among these is the fact that our society is becoming mature. Attendance is now larger and more varied than formerly, and it seems not out of place to consider matters of a general nature rather than to continue the technical discussions of the regular sessions. Not that we should be less zealous of the pursuit of scientific knowledge, but

¹ Address of the president of the American Society for Horticultural Science, presented at the Philadelphia meeting of the society, December 30, 1940.

rather that now we have established our position as a first-class scientific society we can pause momentarily and examine our situation with relation not only to other scientific societies, but to the whole field of knowledge as well.

The subject is certainly timely. With most of the world at war or near war it is all too obvious that our control of physical forces has far outstripped the capacity or at least the will of the human race to manage their affairs in a satisfactory way. Such a statement is trite in view of the many efforts now being made to increase the sense of responsibility among the scientists for the social order. This trend has been emphasized recently by the National Research

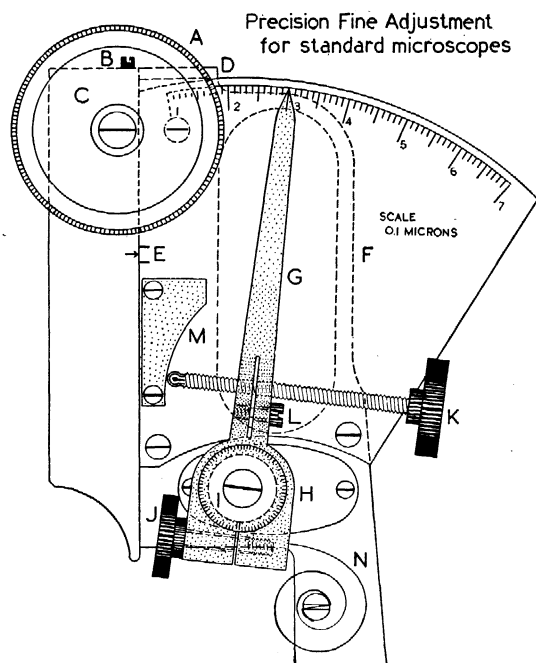


FIG. 1. A—Coarse adjustment; B—Friction regulating screw for coarse adjustment; C—Coarse motion slide bar; D—Cover plate for fine motion; E—Fine motion limit marks; F—Back of microscope limb; G—Lever and scale indicator; H—Thick split sleeve; I—Free end of fine motion knob; J—Locking screw; K—Precision fine motion adjustment screw; L—Friction controlling screw for K; M—Tangential thrust block; N—No lag spring. Scale engraved with 0.1 μ divisions. Motion adapted to Zeiss Microscope Model 1^c (1906).

ever, the normal use of the fine motion¹ is not handicapped and whenever desired the precision motion can be engaged by locking with screw. The "feel" of the fine motion is not changed by the precision modification.

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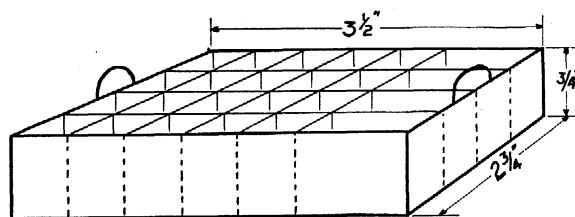


FIG. 1. Tissue carrier made of copper milk screen.

vessel is desirable in order to support the carriage a short distance from the bottom. The entire carriage is immersed in the paraffin bath and can be transferred through as many changes as the size of the tissues may require. The same series of paraffins can be used repeatedly.

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SCHOOL OF MEDICINE AND DENTISTRY,
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JOHN L. FULLER

UNIVERSITY OF MAINE

¹ J. Max Little and Herbert S. Wells, *SCIENCE*, 2340, 425, 1939.

BOOKS RECEIVED

- CLARK, AUSTIN H. *A Monograph of the Existing Crinoids: Vol. I, The Comatulids*. Bulletin 82, U. S. National Museum. Pp. vii + 603. 61 plates. U. S. Government Printing Office, Washington, D. C. \$1.50.
- COCHRAN, DORIS M. *The Herpetology of Hispaniola*. Bulletin 177, U. S. National Museum. Pp. vii + 398. 120 figures. 12 plates. U. S. Government Printing Office, Washington, D. C. \$0.70.
- HOLMES, HARRY N. *Out of the Test Tube*. Third edition, revised. Pp. x + 305. 101 figures. Emerson Books, New York. \$3.00.
- LOEB, LEONARD R. *A Laboratory Manual of Electricity and Magnetism*. Revised edition. Stanford University Press. \$1.90.
- SHERBON, FLORENCE B. *The Child; His Origin, Development and Care*. Pp. xx + 755. 188 figures. McGraw-Hill. \$3.50.
- WAIMAN, HARRY A. and C. A. Elvehjem. *The Vitamin Content of Meat*. Pp. ii + 210. Burgess. \$3.00.

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