

OK B. 2/26/41

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Microtechnique Group

The Biology Society

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The work of this group is divided into two sections, Laboratory and Seminar. In the seminar, on Friday afternoons, members and leaders of all other groups concerned with microbiological technique - such as Bacteriology, Protozoology, Histology, Botany, etc. - are invited to attend and, in some cases, address a discussion on various phases of general and specific microtechnic. The program for the discussions comprises:

1. The Theory of Fixation, and practical applications
2. The Theory of Staining, do.
3. Metallic Impregnation Methods: Cajal, Golgi, etc.
4. Specific Micro-Chemical Methods
5. Vitel and Supra-Vitel Staining
6. Tissue Culture
7. Bacterial Cytologic Technique
8. Protozoan Reactions
9. Botanical Techniques
10. General Zoological and Histological Method
11. Dissociation and Teasing, Smears, etc.
12. The Optics of the Microscope.

All members are invited to attend these interesting discussions.

The Laboratory Section is working in conjunction with the Histology Group, and will thus concern itself with the techniques for the histology and cytology of the cells of the nervous system. To this end, the following preparations are designed:

Golgi, slow and rapid methods, for Golgi Bodies, neurofibrils, etc.

Cajal - cresyl-fast green fixation: Impregnation for Golgi, neuro-
fibrils.

Golgi - Cajal diseminate - formal: Mitochondria

Hopson (Osmitic Acid): Golgi Bodies

Vital Stain, Janus Green or Methyl Red: Mitochondria.

Meanwhile, until the preparation of fixatives and other materials needed for these methods, Sutton's and blocks will be made of other tissues by simpler techniques in order to ingrain this fundamental method (Dioxan dehydration, paraffin embedding) into the group members' mentalities. There is no particular reason for this, although use of the stomach or intestine of a rabbit, Bouin's fixation, is suggested.