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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 ladies of all other groups concerned with micrological 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. Vital and Supra-Vital Staining
6. Tissue Culture
7. Bacterial Cytologic Technique
8. Protozoon 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 technique 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 - brano-formol fixation: Impregnation for ~~Cag~~ Golgi's, neuro-fibrils.

Golgi - Cajal Arsenic - formol: Mitochondria

Kopsch (Osmic Acid): Golgi Bodies

Vital Stain, Janus Green or Neutral 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 engrain this fundamental method (Dioxan dehydration, paraffin embedding) into the group members mentalities. There is no particular plan for this, although use of the stomach or intestine of a rabbit, Bouin's fixation, is suggested.