

Program - The Histology Group - Biology Society of Stuyvesant H.S.

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The basis of the program is the <sup>systematic</sup> study of the various organs using histological techniques. Preparations of stained slides through sections prepared through the dioxane-paraffin technique have been shown and taught and learned. Staining methods - using such different stains as hematoxylin, methylene blue, eosin, Wright's, fuchsin, gentian violet, picric acid, osmic acid (if obtainable) are to be thoroughly learnt as a function of their specific use. We hope to employ the alcohol-ether-celloidin technique this term in preparing sections. Concerning the tissues to be covered, we have already studied various and whole mounts of blood, and are now working on connective tissues. The beginning of the term was devoted to fundamentals. The techniques in histology are already familiar to you, so that repetition is to be avoided, but in the course of this <sup>and</sup> ~~or~~ next term, the following organs are to be studied carefully through ~~the~~

slides we are to prepare of them. Plans and some preparations have already been made.

The tissues  
The blood - smears and action of reagents on whole mounts

Connective tissues - teased white and yellow fibres; sections of tissue.

Muscle - teased preparations after Ranvier's 33% alcohol and stained sections.

Nerve fibres - teased preps and sections. We hope to get some osmic acid without burdening the club with its expense.

The heart - sections from rabbit organ.

The blood-vessels - sections from rabbit

The spleen, tonsil and thymus - sections, and, for spleen, teased preparations.

The four most important endocrines: Adrenal, Thyroid, parathyroid, pituitary. And this is all we propose to do this term.

Approved, Joshua Ledeburg, President Bio. Soc.

Appd. Jerry C. Schenck, Faculty Admin.

The above-named members of the Histology Group are hereby permitted to use the Laboratory facilities. Jerry C. Schenck