

anopheline species include: wing patterns, and the color of hind tarsi, palps, wing tip scales, knee spots, and halteres.

3. Female anophelines may be placed in four groups according to wing scale patterns.

4. Species are identified within each of the four groups by noting the color of hind tarsi, palps, fringe of scales at the wing tips, knee spots, and halteres.

5. In practice these groups and specific characters are used to identify the thirteen

species of anophelines.

6. A review section points out the diagnostic characters of each species but withholds the name until after the student answers.

7. A test section of ten pictures shows various anopheline females of the U.S.

COMMENTS

Related filmstrip is "Identification of U. S. Genera of Mosquito Larvae."

Preparation and Staining of Blood Films

PRODUCTION NO: CDC 4-007, Released 1946

MOTION PICTURE: 16 mm., Sound, Color, Length: 615 Feet, Time: 17 Minutes

GRAPHIC FORM: Photography, Animation, and Slow Motion

PURPOSE

To teach proper methods of making, labeling, and staining blood films for malaria diagnosis.

AUDIENCE

Physicians, medical students, laboratory technicians, parasitologists, malariologists, public health nurses.

CONTENTS

1. Technically perfect blood films can be used with confidence by technicians to discover the dangerous parasites of malaria.

2. Good thick and thin blood films are made with a sharp stylet, with a rolling wrist motion stab into the clean finger tip, with a rotary smearing of blood for the thick film, and quick spread of a droplet at the other end of the slide for a thin smear.

3. Poor technique is often encountered in the making of blood films.

4. Carefully executed procedures are necessary to prepare Giemsa stain stock solution, to prepare buffered water for diluting it, and to stain the films in the final solution.

5. Well prepared and well stained slides are easily recognized.

6. A shorter but less satisfactory staining procedure consists of dehemoglobinization followed by Wright's stain.

7. Mass staining techniques can readily be used.

COMMENTS

A related filmstrip is No. 5-072.0 "Staining Blood Films for Malaria Parasite Examination."

AVAILABILITY: Thirty day loan upon request to:
 Medical Director in Charge
 Communicable Disease Center
 605 Volunteer Building, Atlanta 3, Georgia