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## **USE OF PHOTOGRAPHIC MATERIALS IN TEACHING AND RESEARCH IN MICROBIOLOGY**

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Methods are being sought whereby principles of microbiology may be taught in a more effective and emphatic manner. The following photographic materials offer promise in this field:

- (1) Use of motion pictures to supplement lecture material,
- (2) Use of prepared photographs to be displayed in an organized manner in a museum case.

- (3) Use of film strips and lantern slides,
- (4) Teaching of photomicrographic techniques as a method of recording results,
- (5) Use of macroscopic methods of recording results.

The Society of American Bacteriologists has performed a valuable service by setting up a visual education committee which distributes several hundred items that fall within the first three categories.

Excellent quality diagrams can be prepared for lantern slide projection at less than one cent per slide by using transparent paper. Photographs of bacterial colonies can be made without a camera by merely placing a sheet of sensitive paper underneath a petri dish and exposing to light. Use of the last method has been valuable in routine and research bacteriology.

The planned use of above methods and materials should greatly assist in the teaching of microbiology.

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