

Information Regarding Filming of Genetics Course

The Fund for the Advancement of Education has awarded funds to educational television station KETC in St. Louis in cooperation with Saint Louis University to cover the academic costs for the production of approximately 45 half-hour films in color to be used as part of the instruction in a college course in elementary genetics. The production costs of this project will be borne by McGraw-Hill Book Company of New York and The Calvin Company of Kansas City, Missouri.

Arrangements have been completed to give this course both over KETC television and in the classroom at Saint Louis University beginning February 1960. Television and classroom students enrolling for this course with Saint Louis University will be required to have completed one year of college biology, botany, or zoology, and three official college credits will be awarded for its successful completion. In addition to the 45 filmed lectures (it is planned that each be shown twice on television and also in the classroom), there will be a study guide-workbook (covering the material in the films) as well as a textbook (which at Saint Louis University is Sinnott, Dunn, and Dobzhansky's text). Homework and examinations will cover material in the text and films. There also will be live supplementary review, help or explanatory sessions in the classroom. Although the exact nature of these has not been determined, television students shall be required to attend such sessions approximately once every two weeks at Saint Louis University.

The content of the filmed lectures is to be determined by I. H. Herskowitz in consultation with the Director of the Depart-

ment of Biology at Saint Louis University, John D. Dwyer, and foremost geneticists. The aim is to have the most outstanding researchers deliver the lectures. Whenever possible the lecturers should discuss the relation of their own work to the establishment of basic principles of heredity. Content should be aimed at the level of the "B" college student.

Special effort has been made to arrange the lectures so that approximately two-thirds of them could be used as the basis for a 2 credit college course in genetics by other institutions desiring to do so, and it is hoped certain lectures will be independent enough units of information so that they could be used individually or in small groups for the purpose of television viewing by the informed public or for use by agricultural, medical, or dental schools. Comprehension or use of the films will not require the employment of a particular textbook.

All parties involved have agreed to encourage the use of the films for the purposes mentioned not only in this country but in others throughout the world.

Each speaker will have approximately 28-1/2 minutes to lecture in all lectures after his first. The first lecture for each worker should be about 26-1/2 minutes long, leaving about 2 minutes for Herskowitz to introduce the new speaker and/or the area to be discussed, in order to bring unity and continuity to the whole series. Herskowitz is not planning to give any of the lectures and will only do a few if this is considered necessary on the advice of other participants.

In order that lecturers deal as effectively as possible with their material \$200 is provided for visual aids for each

lecture. Each lecturer is asked to submit a list of the visual aids which he would like to use, or that he suggests might be used by other lecturers. At The Calvin Company studios where the filming will take place, there will be a desk, chalkboards, and giant pads with crayons. Equipment will be available there to project lantern or microscope slides or printed material on a screen. Film clips also may be used.

Whenever an already existing film clip is considered the best method of presenting a particular point, every effort will be made to obtain its use. McGraw-Hill has agreed to try to obtain such film and to clear all rights to its use, although the costs involved would come from the lecturer's \$200/lecture for visual aids.

In view of the fact that one minute of animation costs approximately \$1,000 its use is limited by the visual aid funds provided. Once it has been definitely established that some lecturers will use less than their allotted funds, the surplus will be made available to others for visual aids.

After consultation with Herskowitz, lecturers should, whenever possible, arrange for the production of their own visual aid material. They should make out a simple statement of costs and send this to Herskowitz who will have KETC pay the bill. The Calvin Company has expressed its willingness to assist in the preparation of visual material if requested. Lecturers agree to permit the inclusion of their visual aids or of portions of their lectures in the study guide to be prepared by Herskowitz.

Lectures should be as informal or formal as those given by the lecturers before a class. Lecture notes may be used and prompting devices will be provided as desired.

In order to complete the series for use by February 1960 most of the filming will have to be done during June, July, and August 1959, at The Calvin Company studios in Kansas City, Mo. Each film will normally require 1/3-1 day to shoot. Filming can be done any day of the week, including Saturday and Sunday.

Expenses incurred by going to Kansas City for filming will be repaid equivalent to the amount of non-local transportation plus \$25 for each day or part thereof in Kansas City. Each lecturer has the opportunity later to revisit Kansas City to view his contribution when it is being edited, his expenses being paid just as in the case of the initial visit.

In order to meet this production schedule, first drafts <sup>(detailed outline)</sup> of the lectures should be received by April 1, 1959 and final drafts and visual aid material must be received 3 weeks prior to date of filming. The first and final drafts of each lecture will be duplicated and sent to all other lecturers.

An honorarium of \$500 is to be paid for each filmed lecture, 30% to be paid upon agreement to participate, 20% paid after submission of the first written draft, and 50% when the film is completed. Participation requires that the lecturer sign a separate agreement with McGraw-Hill Book Company. This agreement is being prepared and will be sent separately and contains approximately the following: it will provide as royalty payment to each lecturer for each of the lecturer's films 2% of the actual income from sales less returns; except that payment for foreign sales (outside the United States and its territories, shall be computed at one-half the foregoing royalty or one percent (1%) of the actual income from sales less returns. McGraw-Hill offers the same royalty on any remakes of the films in future

years in which the lecturer agrees to participate. There is, however, no obligation on the part of the lecturer to make more films. When future films are made McGraw-Hill will pay all expenses plus \$50 for each day in Kansas City. If McGraw-Hill desires, and if all lecturers agree to the publication of the lectures in book form edited by Herakowitz, a standard royalty will be paid to the editor and to each lecturer in an amount proportional to the number of lectures contributed.