

April 1, 1949.

Dear Lu-

I've finished the first rough draft of my contribution to MMR, and estimate that it will take 450-500 lines of type, probably ^{nearer 450} ~~on the low side~~. This includes a rather detailed discussion of principles and management in the characterization of biochemical mutants: e.g., running down an amino acid requirement by single additions or omissions, use of groups of a.a., and a survey of the known patterns of joint or alternative requirements: e.g. isoleucine plus valine; glycine or serine. There is also a section on recommendations for further tests to characterize certain mutants: i.e. to try indole and anthranilic to differentiate tryptophaneless types. This type of information is not collected anywhere, and from personal experience I can tell you that it is very confusing to the beginner, but I don't know whether you want this kind of detail. Also let me know whether you want to retain a discussion of syntrophism as a method of distinguishing similar mutants, and whether reverse mutation of nutritional and fermentative mutants should be considered at any length.

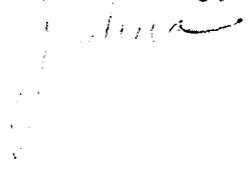
In describing fermentative mutations, I have a paragraph on the kinds of patterns which one can expect to find. This is not essential, but may also help a bewildered beginner. Do you want that in there too?

You sent me two copies of the enclosed. Should there have been a different second sheet on these instructions?

I wonder if you would do me the favor of telling Miss Kann that I am afraid I don't have any opening here for her. If she were interested in going on for her Ph. D., she should have applied two months ago, and we have no funds for employing full-time non-student assistants. I can't suggest anyone that you haven't already thought of-- what about Bernie though? Burkholder, Beadle, Tatum might obviously be tapped also.

As I wrote you before, I regret we won't have time to go to Bloomington next weekend. The following week, Spring Vacation begins, and we hope to drive to Detroit via Muskegon (ferry across Lake Michigan). The lambda story is paralleling Burnet and Lush rather closely, but is technically not as clearcut as their's.

Sincerely,

A handwritten signature in cursive script, appearing to be "J. L. ...", written in dark ink.

METHODS IN MEDICAL RESEARCH

Mechanical Preparation of Manuscript

I. Editorial

1. All material should be typed double spaced, with type lines 6½ inches long. Sheets should be typed on one side only.
2. Headings.--Ideally, each contribution would be divided into four parts, somewhat as follows:

Introduction
Technic, or Procedure, and/or Apparatus
Calibration, or Modifications, etc.
Critique, or Evaluation

It is recognized that variations are inevitable, but simplicity of division and arrangement is highly desirable.

3. References.--These appear at the end of the text. References should be arranged in alphabetical order and numbered consecutively from 1 up.
4. Style for bibliographic material.--All journal abbreviations follow the style of the Cumulative Index Medicus.

Examples: Journal -- Doe, J. B.; Smith, R. D., and Jones, A. D.:
Experiences with ventriculography, J. A. M. A.
10:331, May 15, 1956.

Book ----- Doe, J. B. (ed.): Treatment of Fractures
(City: publisher, date of publication).

5. Tables.--Tables should be numbered consecutively throughout the manuscript. Each should be submitted on a separate page, inserted in the manuscript as the page following that on which it should appear.
6. Acknowledgments.--(a) Permission to reproduce illustrations, etc., should be secured before the manuscript is submitted.
(b) Acknowledgments to grants-in-aid, funds or sponsoring groups should appear at the foot of the first page of text.

II. Production -- Illustrations

1. Drawings, Charts, Nomograms.--These should be made 50% larger than the size in which they will ultimately appear in the book. The maximum space available on a book page for such material is 4¼ x 6 5/8 inches. The lettering on all illustrative material should be similar in style and character to that shown on the attached proof; it should, therefore, be made 50% larger on the original artwork.
2. Photographs.--All prints should be glossy and should measure 5 x 7 inches. Please note that unless detail is quite clear, the reproduction will not have value to the reader. The author should be sure that the prints submitted are free from cracks and other blemishes.