

NATIONAL SCIENCE FOUNDATION ADVISORY COMMITTEE
BIOLOGICAL AND MEDICAL SCIENCES

PROPOSAL RATING SHEET

<u>No.</u>	<u>Title</u>	<u>Investigator</u>	<u>Institution</u>
B-3095	Genes in the metabolism of nucleic acid	Taylor Hinton	UCLA

The growth of *Drosophila* on a chemically defined medium in pure culture and the application of now familiar techniques of nutritional analysis represent a problem that must be pursued somewhere in the United States. Dr. Hinton appears to be virtually the only person who has continued investigations in this direction on a long-term basis. It must be admitted that this work has been proceeding slowly if steadily, but nevertheless there can be little question but that this research should be continued. Some rather exciting results concerning the nonchromosomal determination of nutritional requirements have already accumulated and we may anticipate that in due course an interesting structure of research information will be developed from these techniques. It can probably be anticipated that a somewhat accelerated pace of results will develop as the techniques become more standardized. The level of operation appears to be reasonable for a project of this housekeeping complexity and I would judge this application to be meritorious or highly meritorious. Judging from the applicant's financial statement on page 18, support from the NSF will be essential for the continuation of his work.

Score 1
From 5 (low) to 1 (high)

Signature _____