

1972

## Biological Specialty Teaching Materials

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each student to communicate his findings to the others. At other times the students talked freely to each other concerning their related projects.

The advantages of this approach have been numerous. The upper-level students were drawn more closely together as a result of the project. There was the creation of a chemical atmosphere which is sometimes missing, especially at small colleges. The students worked on a sophisticated and unified research project, while at the same time they learned to communicate research ideas to others. The students improved their laboratory research techniques. The attitudes of the students towards chemistry were enhanced greatly.

### *Participants*

The following Briar Cliff College students have participated in the program: Theodore Lemek, Sister Dorothy Sweiniger, Paul Engle, Fred Palensky, Warren Clemens, Paul Skelton, Dennis Skelton, Ralph Gandy, Leon Stidfole and Steve Arnold. Some of these students have attended the annual meetings of the Iowa Academy of Science and some of the research results are being given at the 1971 meeting.

### *Acknowledgments*

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## **BIOLOGICAL SPECIALTY TEACHING MATERIALS**

Teaching materials for BIOTECHNICIANS will be developed for the American Institute of Biological Sciences Project BIOTECH during 1972-73, with emphasis to be placed on the following topic areas:

- Analytical biology techniques
  - e.g. Determining feed efficiency
- Animal techniques
  - e.g. Handling rodents
- Botanical techniques
  - e.g. How to transplant from flats to field plots
- Microbial culture methods
  - e.g. How to isolate a single cell
- Microscopy technique
  - e.g. Making frozen sections

Preparative and basic skills

- e.g. Calculate/prepare normal solutions

Preservation methods

- e.g. Herbarium specimen preparation

Sterilizing

- e.g. Use of chemicals for . . .

Confined to single-task units called BIOTECH Teaching Modules, the factual data are being solicited from technicians and technologists experienced in these fields. Further information and a list of specific topics for which data is being sought may be obtained from John H. Busser, Director, Project BIOTECH, 3900 Wisconsin Avenue, NW, Washington, D.C. 20016.