GEORGIA INSTITUTE OF TECHNOLOGY
OFFICE OF CONTRACT ADMINISTRATION
SPONSORED PROJECT INITIATION

Date: February 12, 1981

Project Title: Student Science Training Program: Polymer, Fiber and Textile Sciences & Engineering

Project No: E-27-579

Project Director: Dr. John W. Lundberg

Sponsor: National Science Foundation

Agreement Period: From January 15, 1981 Until October 31, 1981 (Grant Period)

Type Agreement: Grant No. SPI-8025151

Amount: $40,267

Reports Required: Final Project Report

Sponsor Contact Person(s):

Technical Matters

NSF PROGRAM OFFICIAL

Mary M. Kohlerman
Student Oriented Programs
Division of Scientific Personnel Improvement
National Science Foundation
Washington, D. C. 20550
(202) 282-7150

Contractual Matters

(thru OCA)

NSF GRANTS OFFICIAL

Ms. Mary Ann Messier
Grants Official
MFE/BBS/SE Branch
Division of Grants & Contracts
National Science Foundation
Washington, D. C. 20550
202/357-9653

Defense Priority Rating: None

Assigned to: Textile Engineering

COPIES TO:

Project Director
Division Chief (EES)
School/Laboratory Director
Dean/Director—EES
Accounting Office
Procurement Office
Security Coordinator (OCA)

Library, Technical Reports Section
EES Information Office
EES Reports & Procedures
Project File (OCA)
Project Code (GTRI)
Other C. E. Smith

Assigned

Project Code (OCA)
SPONSORED PROJECT TERMINATION SHEET

Date: 6/10/82

Project Title: Student Science Training Program: Polymer, Fiber and Textile Sciences & Engineering

Project No: E-27-579

Project Director: Dr. John W. Lundberg

Sponsor: National Science Foundation

Effective Termination Date: 10/31/81

Clearance of Accounting Charges: 10/31/81

Grant/Contract Closeout Actions Remaining:

☐ Final Invoice and Closing Documents
☒ Final Fiscal Report
☐ Final Report of Inventions
☐ Govt. Property Inventory & Related Certificate
☐ Classified Material Certificate
☐ Other ____________________________

Assigned to: TE (School/Laboratory)

COPIES TO:

Administrative Coordinator
Research Property Management
Accounting
Procurement/EES Supply Services

Research Security Services
Reports Coordinator (OCA)
Legal Services (OCA)
Library

EES Public Relations (2)
Computer Input
Project File
Other ____________________________
PART II—SUMMARY OF COMPLETED PROJECT (FOR PUBLIC USE)

Fifty-one (51) participants worked in research (approximately 2/3 of time) and seminars (approximately 1/3 of time) for seven weeks from June 21 - August 7, 1981. Ten (10) students had finished 10th grade and 41 the 11th grade. Thirty-six (36) are male, 15 female; 9 are members of minorities and 3 of Asian origin. Fifty (50) high schools in 11 states and Puerto Rico were represented.

The 51 students worked on 48 different research problems with 50 research advisers (including 30 professors) from 15 schools and departments and Tech's Engineering Experiment Station. Most projects were multidisciplinary; disciplines, subjects and materials represented were: engineering (21 projects), chemistry (13), materials sciences (11), physics (9), mechanics (5), polymers (4), textiles (4), bioengineering (4), nuclear work (4), the environment (3), mathematics (2), exercise physiology (2), geology (1), and psychology (1). Participants reported results of their researches on the last three days of the program. About one third of the students continued their studies into the school year. Good results were reported in about half of the studies. Several students entered science fairs and national competitions.

Students were required to attend and participate in 42 seminars in science and engineering with emphasis on our macromolecular environment. Fifteen speakers from other units on campus and from industry presented seminars on a wide range of subjects. Optional seminars included 6 in continuum mechanics, 7 in Newtonian mechanics, quantum mechanics, thermodynamics and statistical thermodynamics, and 5 seminars in computing. A field trip to botanical gardens and an experimental farm and 14 outings and group social activities were provided.

Thirty (30) of the participants returned to Georgia Tech from as far as Nebraska, New York and Puerto Rico for a reunion in January in weather so inclement that Georgia Tech suspended classes. A few of these students will begin their studies of science and engineering in June, 1982.