

PROJECT ADMINISTRATION DATA SHEET



ORIGINAL



REVISION NO. _____

Project No. G-34-802GTRI/~~OTX~~DATE 7 / 26/84Project Director: A. D. Van NostrandSchool ~~OTX~~EnglishSponsor: A. P. Sloan FoundationType Agreement: Grant No. 84-6-15Award Period: From 6/12/84 To 12/31/85 (Performance) 2/1/86 (Reports)

Sponsor Amount:

This ChangeTotal to Date

Estimated: \$ _____

\$ 150,000

Funded: \$ _____

\$ 150,000Cost Sharing Amount: \$ None

Cost Sharing No: _____

Title: Resourceful Exchange: Technology and The Liberal Arts

ADMINISTRATIVE DATA

OCA Contact Dennis Farmer x4820

1) Sponsor Technical Contact:

2) Sponsor Admin/Contractual Matters:

Stewart F. CampbellAlfred Sloan Foundation630 Fifth AvenueNew York, NY 10111Defense Priority Rating: n/aMilitary Security Classification: n/a

(or) Company/Industrial Proprietary: _____

RESTRICTIONS

See Attached _____ Supplemental Information Sheet for Additional Requirements.

Travel: Foreign travel must have prior approval – Contact OCA in each case. Domestic travel requires sponsor approval where total will exceed greater of \$500 or 125% of approved proposal budget category.

Equipment: Title vests with n/a.

COMMENTS:

COPIES TO:

Project Director
Research Administrative Network
Research Property Management
AccountingProcurement/EES Supply Services
Research Security Services
Reports Coordinator (OCA)
Research Communications (2)GTRI
Library
Project File
Other Newton

Sponsor I.D. #02.500.015.84.001

SPONSORED PROJECT TERMINATION/CLOSEOUT SHEETDate June 5, 1985Project No. G-34-802School/~~KIR~~ EnglishIncludes Subproject No.(s) N/AProject Director(s) A.D. Van Nostrand

GTRC / GIT

Sponsor A.P. Sloan FoundationTitle Resourceful Exchange: Technology and the Liberal ArtsEffective Completion Date: 12/31/85*
(Performance) 12/31/85 (Reports)*Continued by G-34-803 for
further reports.

Grant/Contract Closeout Actions Remaining:

- ☐ None
- ☒ Final Invoice or Final Fiscal Report
- ☐ Closing Documents
- ☐ Final Report of Inventions
- ☐ Govt. Property Inventory & Related Certificate
- ☐ Classified Material Certificate
- ☐ Other _____

Continues Project No. _____

Continued by Project No. G-34-803

COPIES TO:

Project Director
Research Administrative Network
Research Property Management
Accounting
Procurement/GTRI Supply Services
Research Security Services
Reports Coordinator (OCA)
Legal Services

Library
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Other Heyser

Jones

Current Grant: Status Report

Current RETLA activities include a sustained series of workshops, and a computer consulting service. These activities evolved from a one-year assessment of needs undertaken by the colleges with Georgia Tech during 1983-84. The assessment procedure also established a representative advisory board.

During that first year of organization, with the help of the Southern Regional Education Board, Georgia Tech invited faculty from groups of colleges to two preliminary workshops that modeled ways of interpolating technology and quantitative reasoning into liberal arts curricula. Then at an editorial workshop these faculty representatives categorized project ideas and explored the possibilities of networking and/or forming an association. An elected committee then met with Georgia Tech project members three times during Spring 1984 to draft and revise the needs assessment report and proposal. In July 1984 the Sloan Foundation awarded grants to Georgia Tech and to fourteen colleges, four of which received major grants.

Now in the program phase of instructional activities, forty-eight faculty from fourteen RETLA colleges are meeting with Georgia Tech consultants in bi-monthly, two-day workshops to develop instructional modules for use in liberal arts courses. Each module falls within one of three categories: Art and Technology, Math for Social Sciences, and Engineering/Technology Assessment. The subject areas of courses for which these modules are being prepared include mathematics, political science, sociology, studio art, history, and English literature.

During earlier workshops in September and December 1984, participants developed specifications for their respective modules. They are now drafting student handbooks and instructors' guidelines for field testing in the Spring and Fall 1985 terms. We expect to have five modules completed by June 1985. Documentation for each module will consist of a Student Handbook and Faculty Handbook, and a brief introductory reference.

RETLA college faculty participants work in teams of two: one faculty member--typically from the humanities--who currently teaches the course for which the technology module is being prepared, and one member--typically from math or the sciences--who serves as a resource for quantitative methodology. In short, one faculty member uses the resources that his or her colleague supplies.

A third, part-time, member of each team is a consultant from the Georgia Tech faculty. As field specialists, the consultants facilitate the dialogue between humanist and scientist/

mathematician. Their fields include Civil Engineering, Engineering Science and Mechanics, Industrial Engineering, Industrial and Systems Engineering, Industrial Design, Mathematics, Sociology, and English. This faculty group of fifteen members has articulated a description of engineering procedures which the RETLA college teams are now using in their instructional designs.

The technology modules, of one to three weeks' length for a quarter or semester class, are designed to engage students in engineering concepts and procedures. All modules include problem definition, mathematical or mechanical modeling, and optimization, and some address the assessment of typical engineering solutions. The Georgia Tech project team is designing a standard documentation so that the modules can be shared by all participating colleges.

Among the other current RETLA activities, a Georgia Tech team has surveyed the computer resources and needs at RETLA colleges and is now preparing proposals to foundations and to vendors for microprocessing labs. The advisory board, consisting of five faculty elected by RETLA college representatives, two Georgia Tech representatives, and one representative from the Southern Regional Education Board, has so far met seven times during the 1984-85 academic year to review the RETLA program. The first newsletter, in March 1985, will report on project activities and review pertinent publications; later issues will feature short articles by participating faculty.

Proposed Activities

Following are the categories of activities which we propose to continue and/or to modify, with brief reasons for what we propose.

(A) Module Workshops

(1) We propose to continue the module development workshops. Specifically, we will

- complete the initial documentation and begin field testing and revision of the first group of 5 to 7 modules, and
- bring to completion the remaining 7 to 10 modules now in progress.

(2) We anticipate changes. Specifically, we will

- begin a new cycle of modules workshops for new teams. The new teams will come from three different sources: (1) new teams from participating