



THE UNIVERSITY OF NORTH CAROLINA , Consolidated Office

University of North Carolina in CHAPEL HILL , North Carolina State College of Agriculture and Engineering in RALEIGH , The Woman's College in GREENSBORO

HARRIS PURKS
Acting President

CHAPEL HILL

October 21, 1955

*Copy sent to
JG Vann 10/24/55*

Dr. Alan T. Waterman, Director
National Science Foundation
Washington 25, D. C.

Research Grant NSF-G2022

Dear Dr. Waterman:

We were very pleased to learn of the action of the National Science Foundation in making a grant of \$18,400 to the North Carolina State College of Agriculture and Engineering, for the support of research entitled "Soil Moisture Measurements by Neutron Moderation."

I am transmitting three copies of your letter to Chancellor Carey H. Bostian of State College in order that his files will contain the information with regard to the terms of the grant. He will assume responsibility for assuring conformity with understandings between the Foundation and the grantee.

Sincerely yours,

Harris Purks

cc: Chancellor Carey H. Bostian ✓
North Carolina State College

C
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Y

NATIONAL SCIENCE FOUNDATION

WASHINGTON 25, D. C.

October 18, 1955

Dr. Harris Purks, Acting President
The University of North Carolina
Chapel Hill, North Carolina

Research Grant NSF-G8022

Dear Dr. Purks:

I am pleased to inform you that the sum of \$18,400 is hereby granted by the National Science Foundation to the North Carolina State College of Agriculture and Engineering, for the support of research entitled "Soil Moisture Measurements by Neutron Moderation," under the direction of Cornelius H. M. Van Bavel, Department of Agronomy, for a period of approximately three years. Until further notice this grant will be paid as follows: \$7,400 on or about two weeks from date of this letter; \$6,000 on or about December 15, 1956; \$3,000 on or about December 15, 1957; and \$2,000 on or about June 15, 1958.

It is a condition of this grant that it may be revoked in whole or in part by the Foundation after consultation with the principal investigator and the grantee, except that a revocation shall not affect any commitment which, in the judgment of the Foundation and the grantee, had become firm prior to the effective date of the revocation; and that funds not committed by the grantee prior to the conclusion of the work contemplated under this grant shall be returned to the Foundation.

It is a further condition of this grant that disposition of domestic patent and other rights in any inventions or discoveries made or conceived during the research shall be the responsibility of the grantee; that disposition of foreign patent and other rights to any such invention or discovery shall be determined by the United States Government; that the grantee shall give the Foundation reasonable notice of application by the grantee or other person or institution for a foreign or domestic patent on any such invention or discovery; and that upon issue of a domestic patent on any such invention or discovery, the patentee shall grant the Government an irrevocable, royalty-free, nonexclusive license for use of such invention or discovery for governmental purposes.

The Foundation desires that this grant be administered in general accordance with the Foundation's policies for research grants as stated in "Grants for Scientific Research," April 1955, and in conformity with the other understandings reached between the Foundation and the grantee relating to this grant.

Please acknowledge receipt at your earliest convenience.

Sincerely yours,

Alan T. Waterman
Director

NATIONAL ACADEMY OF SCIENCES
~~NATIONAL RESEARCH COUNCIL~~
OF THE UNITED STATES OF AMERICA

N

UNITED STATES NATIONAL COMMITTEE
INTERNATIONAL GEOPHYSICAL YEAR 1957-58

October 19, 1955


Dr. Carey Bostian, Chancellor
North Carolina State College of
Agriculture & Engineering
Raleigh, North Carolina

Dear Dr. Bostian:

Enclosed is a report on the United States Program for the International Geophysical Year which may be of interest to you and members of your faculty in the physical sciences. The introduction provides a brief, general description of the endeavor while succeeding sections present the U. S. plans in twelve areas of geophysics. While the enclosed document deals almost entirely with the U. S. program, it also suggests the nature of the total world-wide effort planned for 1957-58. Forty nations are participating in this unprecedented study of our physical environment.

The program is the outgrowth of the interests of scientists themselves: some of the individuals who helped to develop our program are listed in the document. Further planning is still under way while preliminary activities have already begun--for example, in connection with the Antarctic program. As in the planning of the program, the success of its execution will depend on the cooperation and collaboration of the nation's scientists and academic and research institutions. The endeavor promises much in the way of significant geophysical knowledge and may well serve to stimulate intensified and increased research activities in geophysics in the years following 1957-58.

Sincerely yours,



Hugh Odishaw
Executive Secretary

enclosure

RUTGERS UNIVERSITY
The State University of New Jersey

n

OFFICE OF THE PRESIDENT

NEW BRUNSWICK, NEW JERSEY

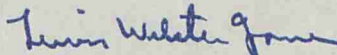
October 4, 1955

Chancellor Carey H. Bostian
North Carolina State College
Raleigh, N. C.

Dear Dr. Bostian:

I was so sorry to hear that Dr. Jeter died on September 16. At the public relations meeting in New York last month he seemed active and had contributed much to the discussion. We shall all miss him a great deal.

Sincerely,



Lewis Webster Jones

N
May 26, 1955

Mr. John E. Hocutt, President
National Association of Student Personnel Administrators
Office of the Dean of Students
University of Delaware
Newark, Delaware

Dear Mr. Hocutt:

We are glad to have the privilege of recommending a member of our staff for the seminar at the Harvard Graduate School of Business Administration for student personnel administrators. We wish to recommend very highly our Dean of the Division of Student Affairs, Mr. James J. Stewart.

On May 1, 1954, twelve areas of student activities at North Carolina State College were consolidated into this Division and Mr. Stewart selected to be the Dean. The Division includes student government, student organizations, fraternities, student health, the Y. M. C. A., the College Union, publications, admissions and registration, orientation and counseling, and every area involving students except intercollegiate athletics.

During one year Dean Stewart has had excellent success in organizing this Division and in carrying out an effective program. At the same time he would benefit and North Carolina State College would be aided by his participation in this seminar planned for August 22-28.

I am asking Dean Stewart to send you a summary of his training and experience.

Sincerely yours,

Carey H. Bostian
Chancellor

CHB:cw

cc: Dean J. J. Stewart

MEMORANDUM

From: OFFICE OF STUDENT AFFAIRS

13 Holladay Hall

To: Chancellor Carey H. Bostian

I have discussed the seminar with Dean Cloyd. He thinks it would be a very worthwhile meeting for me to attend.



James J. Stewart, Jr.

Date: May 21, 1955

N. C. State College
Raleigh, N. C.

National Association of Student Personnel Administrators

(FOUNDED IN 1919 AS THE NATIONAL ASSOCIATION OF DEANS AND ADVISERS OF MEN)

May 11, 1955

Chancellor Carey H. Bostian
North Carolina State College
Raleigh, North Carolina

Dear Chancellor Bostian:

In January 1954, Commission III of the National Association of Student Personnel Administrators (NASPA), in a move to strengthen the professional quality of its members, conducted an experimental one-week seminar at the Harvard Graduate School of Business Administration in which some sixty deans participated. These men were selected from among more than 130 applicants who were nominated for the seminar by their presidents. With the able leadership of three members of the Harvard Business School faculty, the participants studied, analyzed, and discussed cases in college and university administration which were prepared by experienced case writers from material submitted by deans throughout the country and selected for their value on the basis of the problems posed.

The success of this experiment exceeded our most optimistic expectations. The unanimous enthusiasm of the "students" for what they gained from the seminar is typified by the comment of one dean who months later wrote, "The day has yet to pass during which I have not had cause to reflect with good results upon some experience or discussion encountered there." A senior member of the Harvard Business School faculty described his part in the seminar as his "most exciting experience in twenty-seven years of teaching".

The first seminar proved to be so worthwhile that Commission III of NASPA has arranged with the Harvard Business School to conduct a second seminar for approximately seventy deans, assistant deans, counselors, etc., to be held at the Business School August 22-28, 1955. Members of the Business School faculty will serve as instructors for this seminar.

No specific qualifications have been established for those who are to be selected for this seminar. The group will include a few senior administrators from both large and small institutions, and many of the participants will be chosen from among student personnel workers with five years or less experience in the field.

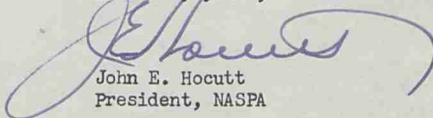
Realizing that the wife of the dean frequently plays an important part in the dean's work, we plan to conduct a concurrent seminar for approximately twenty wives. These ladies will study cases selected for their particular usefulness to the wife of a dean. The time to be spent by the wives in class and in study groups will be less than for the deans in order that the ladies will have an opportunity for sight-seeing in and around Boston.

Persons selected for the seminar must pay for their transportation and for their board and room for the week. The per person cost for board and room at the Business School will be set at a nominal "at cost" basis. We hope that the schools whose personnel are selected to attend this seminar will assume these obligations.

We hope that you will consider this proposal seriously and will make application on behalf of a member of your staff (or member and wife). In light of our experience with the first seminar, we expect more applications than can be accommodated which will make final selections very difficult to make. Your letter of nomination briefly outlining the training and experience of the person recommended should be addressed to the undersigned.

A copy of this letter is being sent to the administrator who represents your institution in NASPA.

Sincerely yours,

A handwritten signature in blue ink, appearing to read "J. Hocutt", with a large, sweeping flourish extending to the right.

John E. Hocutt
President, NASPA

JEH:lb

Office of the Dean of Students
University of Delaware
Newark, Delaware

cc. Dean Ed. L. Cloyd

May 5, 1955

11

Mrs. Ethel Perkins Edwards, Executive Secretary
North Carolina Education Association
111 West Morgan Street
P. O. Drawer 350
Raleigh, North Carolina

Dear Mrs. Edwards:

We are grateful for your letter telling us of the decision of your Board of Directors to hold your 1956 Convention in Asheville.

We regret that hotel facilities are not adequate in Raleigh so that we might have had the pleasure of being host to your Convention on the State College campus.

We appreciate your having presented our invitation to the Board of Directors and shall hope that you will find it convenient to accept our invitation during a future year.

Sincerely yours,

Carey H. Bostian
Chancellor

CHB:cw

cc: Mr. Kenneth D. Raab
Dean J. J. Stewart

Bert Ishee, Fayetteville
President

O. P. Johnston, Kenansville
Vice-President

Mrs. E. N. Meeking, Raleigh
Immediate Past President

Mrs. Ethel Perkins Edwards, Raleigh
Executive Secretary

Elmer R. Dowdy, Hillsboro
North Central Director

Roland R. Morgan, Mooresville
South Piedmont Director

NORTH CAROLINA EDUCATION ASSOCIATION

111 West Morgan Street : P. O. Drawer 350

Telephone 3-3059

RALEIGH

May 4, 1955

L. P. Miller, Asheville
Western Director

Ella Cherry Moore, Battleboro
Northeastern Director

C. E. Morrison, Rowland
Southeastern Director

Glenn Robertson, Mount Airy
Northwestern Director

Earl C. Funderburk, Elizabeth City
NEA Director

Charles F. Carroll, Raleigh
State Superintendent

Dr. Carey H. Bostian
Chancellor
North Carolina State College
Raleigh, North Carolina

Dear Dr. Bostian:

At the last meeting of our Board of Directors, I presented to the Board your cordial invitation to our Association to hold its 1956 Annual Convention on the campus of State College. The Board is most grateful to you for your invitation. It is our opinion that the facilities which you have to offer at State College are ample and that we could have a splendid convention on your campus.

The problem which we have when we hold our convention in Raleigh is that of providing adequate hotel facilities. It is the opinion of our present Board that until housing facilities in Raleigh are more adequate, we should not plan to hold our convention here. The ease with which we hold a convention in Asheville and the many hotel rooms available to our members there were the determining factors in the decision of our Board to hold the 1956 Annual Convention in Asheville rather than in Raleigh.

I assure you that each member of our Board wishes me to express to you his personal appreciation, as well as the appreciation of the members of our Association, for your invitation. Perhaps in the near future the situation may be such that we will wish to meet in Raleigh. If such is the case, we will certainly be grateful to you if the facilities at State College may be made available to us.

Sincerely yours,

Ethel Edwards
Mrs. Ethel Perkins Edwards
Executive Secretary

EPE:rb

April 5, 1955

11

Mrs. Ethel Edwards, Executive Secretary
North Carolina Education Association
P. O. Box 350
Raleigh, North Carolina

Dear Mrs. Edwards:

North Carolina State College takes pleasure in extending an invitation to the North Carolina Education Association to hold its annual meeting for 1956 on our campus. Any dates during March, after the 12th, will be convenient.

We can arrange the Coliseum to accommodate up to seven thousand individuals at meetings and have eight auditoriums for smaller groups with seating capacities as follows: Pullen Hall, 1100; College Union Ballroom, 500; Textile Auditorium, 500; Withers Hall, 275; Williams Hall, 220; Riddick Laboratories Building, 208; Kilgore Hall, 150; and Broughton Hall, 150. In addition, there are several classrooms which accommodate as many as a hundred individuals.

Those attending the convention would have the privilege of obtaining meals at the Cafeteria and the Dining Room of the College Union Building. Light meals could be obtained at the Snack Bar at the College Union and at numerous refreshment stands scattered over the campus.

I regret that it may be necessary to make a charge of not exceeding \$200 a day for using the Coliseum. It is the current practice of State authorities to expect the operation of the Coliseum to be completely self-supporting. If that policy prevails in March, 1956, it will be necessary for us to make this small charge of a maximum of \$200 per day. Under this arrangement the Association could charge exhibitors for space and could make whatever use is desired from revenue obtained in that way.

Mr. J. J. Stewart, Jr., dean of Student Affairs, and Mr. Kenneth D. Raab, our new director of Admissions and Registration, will make every effort to cooperate with the Association in making arrangements for the meetings.

We shall be glad to furnish additional information if it will be of aid in your presenting this invitation to the Board of Directors.

Sincerely yours,

Carey H. Bostian
Chancellor

CHB:cw

cc: Mr. J. G. Vann
Mr. K. D. Raab
Dean J. J. Stewart

NORTH CAROLINA STATE COLLEGE

STATE COLLEGE STATION

Raleigh, N. C.

OFFICE OF STUDENT AFFAIRS

Holladay Hall

March 30, 1955

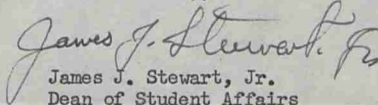
Chancellor Carey H. Bostian
Holladay Hall
CAMPUS

Dear Chancellor Bostian:

As one means of improving relations between the College and the public schools of North Carolina, we recommend that the North Carolina Education Association be invited to hold its annual meeting for 1956 on the State College campus.

If you need information in addition to that given in the attached letter from Mr. Raab, we will be glad to assemble it.

Most sincerely,


James J. Stewart, Jr.
Dean of Student Affairs

JJS:w

encl. 2

cc: Mr. K. D. Raab

North Carolina State College of Agriculture and Engineering
of the

University of North Carolina

OFFICE OF REGISTRATION

Raleigh

March 29, 1955

Dean J. J. Stewart, Jr.
13 Holladay Hall
Campus

Dear Jack:

You will remember that we previously discussed inviting the North Carolina Education Association to hold its annual meeting for 1956 on the campus. This meeting will, in all probability, come in the last week in March when the Coliseum will not be in use.

I have discussed this matter with Mrs. Ethel Edwards, Executive Secretary of the Association, who has made the following suggestions:

1. Have the Chancellor extend a formal invitation to the Board of Directors of the Association --

N. C. E. A.
P. O. Box 350
Raleigh, N. C.

2. List the facilities available and the seating capacity of each.

a. Coliseum -- 6,000-7,000

Auditoriums

b. Williams Hall --	220 -
c. Kilgore --	150 -
d. Broughton --	150 -
e. Withers --	275 -
f. Textiles --	500 -
g. Pullen --	1100 -
h. Riddick --	208 -
i. College Union --	500 -

Classrooms

j. Scott 212 --	100
k. Peele 6 --	100

Dean J. J. Stewart, Jr.

Page 2

March 29, 1955

3. Mrs. Edwards was especially interested in the charges for the use of the Coliseum. I have talked this matter over with Mr. Vann, who agreed to \$200 per day. It will not be necessary to have any additional personnel, with the possible exception of janitor service. It would be ideal if the College could assume the expenses, but the N. C. E. A. pays for facilities elsewhere. (The Association charges exhibitors but uses this revenue to furnish free Cokes.)
4. Any other services the College Administration may be prepared to offer. Here I suggest several items as the cafeteria, Dining Room of Student Union, Student Union Snack Bar, and flowers might be made available.

No other invitations have been received so far as I know, but I am certain that other communities are interested. The decision will be made by the Board of Directors at their first meeting some time early in April.

Sincerely,

K.D. Raab

K. D. Raab

January 11, 1955

Memo to:

Dr. F. S. Barkalow
Dr. G. K. Beck
Dr. D. E. Ellis
Dr. W. J. Peterson
Dr. C. F. Smith

The following communication has been received from The Future Scientists of America Foundation of the National Science Teachers Association:

"In order to bring high school science teachers into closer touch with university scientists, our Foundation is conducting a program of Science Teacher Summer Research Assistantships. Preliminary inquiry among twenty representative universities revealed sufficient interest to justify a pilot run in the summer of 1955. To avoid provincialism we are extending invitations to include the hundred educational institutions listed in Industrial Research Laboratories of the United States which indicate they maintain full scale research programs. Enclosure 1, the tentative announcement-application form, describes the program.

Assuming that satisfactory applications are received, to enable your organization to take part in the program will require you to provide at least one assistantship. Each assistant will agree to work approximately 200 hours at whatever jobs he or she may be assigned by the research scientist with whom he is working. In turn, the participating institution will provide compensation of approximately \$400 plus free tuition for at least one course."

Please let me know very promptly if it appears that there may be research projects in your department for which you could use a high school scientist teacher as an assistant next summer. This will not commit you to employ an individual unless you had examined his application and were satisfied that he could render service which would be worth approximately \$400.

Very truly yours,

Carey H. Postian
Chancellor

CHB:cw



THE FUTURE SCIENTISTS OF AMERICA FOUNDATION of the NATIONAL SCIENCE TEACHERS ASSOCIATION

1201 Sixteenth St., N. W., Washington 6, D. C.

ADams 4-4855

ADMINISTRATIVE COMMITTEE

DR. HENRY H. ARMSBY
U.S. Office of Education
Washington, D. C.

DR. R. EARLE ARNOW
Sharpe and Dohme
Research Division
West Point, Pennsylvania

MR. ROBERT H. CARLETON
National Science Teachers Ass'n
Washington, D. C.

DR. PHILIP G. JOHNSON
Cornell University
Ithaca, New York

DR. WALTER S. LAPP
Overbrook High School
Philadelphia, Pennsylvania

DR. MILTON O. LEE
Federation of American Societies
For Experimental Biology
Washington, D. C.

PROF. RALPH W. LEFLER
Purdue University
Lafayette, Indiana

DR. JOHN S. RICHARDSON
Ohio State University
Columbus, Ohio

DR. ROBERT STOLLBERG
San Francisco State College
San Francisco, California

December 17, 1954

Dr. John W. Harrelson, Chancellor
North Carolina State College
Raleigh, North Carolina

Dear Doctor Harrelson:

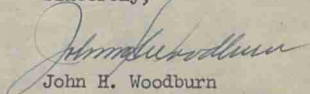
// In order to bring high school science teachers into closer touch with university scientists, our Foundation is conducting a program of Science Teacher Summer Research Assistantships. Preliminary inquiry among twenty representative universities revealed sufficient interest to justify a pilot run in the summer of 1955. To avoid provincialism we are extending invitations to include the hundred educational institutions listed in Industrial Research Laboratories of the United States which indicate they maintain full scale research programs. Enclosure 1, the tentative announcement-application form, describes the program.

Assuming that satisfactory applications are received, to enable your organization to take part in the program will require you to provide at least one assistantship. Each assistant will agree to work approximately 200 hours at whatever jobs he or she may be assigned by the research scientist with whom he is working. In turn, the participating institution will provide compensation of approximately \$400 plus free tuition for at least one course.

We will need the name of a staff member who will serve as liaison between your organization and ours. The duties of this person are outlined in enclosure 2.

There is a great need for a program that will enable research scientists to provide constructive suggestions for the improvement of high school science teaching. We hope you will help us explore this approach. Copy for the announcement-application form will go to the printer about February 1. We will need your decision by that date.

Sincerely,


John H. Woodburn
Asst. Exec. Secy., NSTA

JHW:vz
Enclosures

Enclosure 1.

HIGH SCHOOL
SCIENCE TEACHERS

- * Summer Research Assistantships
- * () universities participating
- * (\$400) compensation plus tuition
- * First hand contact with research scientists
- * Opportunity for course credit

(Appropriate collegiate photo)

THE FUTURE SCIENTISTS OF AMERICA FOUNDATION of the National Science Teachers Association is cooperating with _____ universities in arranging Summer Research Assistantships for high school general science, biology, chemistry, and physics teachers.

The assistants will spend approximately (20) hours per week for (10) weeks assisting in the development of individual biological, earth, and physical science research projects. Close association with research people will 1) bring the assistants up-to-date on new developments in science, 2) let them become acquainted with research methods, and 3) generate suggestions for improving science teaching at all levels. Assistants may register for one or more courses.

Selection will be based on the applicant's ability to grasp the significance of a research project and to work closely with other research people. Science information and skills beyond the high school level naturally are desirable but not mandatory.

Applications will be accepted any time before April 1 from high school general science, biology, chemistry, or physics teachers.

ADDITIONAL APPLICATION FORMS may be obtained from the Future Scientists of America Foundation, National Science Teachers Association, 1201 Sixteenth Street, N. W., Washington 6, D. C.

(All participating institutions will be listed here.)

HIGH SCHOOL SCIENCE TEACHERS
SUMMER RESEARCH ASSISTANTSHIPS

GENERAL INSTRUCTIONS -

1. Complete the forms on pages 2 and 4. The forms are arranged to invite you to use carbon paper. Mail to Future Scientists of America Foundation of the National Science Teachers Association, 1201 Sixteenth Street, N. W., Washington 6, D. C. before April 1.
2. Have your principal and superintendent forward letters of recommendation touching on the qualifications mentioned above.
3. Other supplementary information and additional references are highly desirable. Mention your science-related hobbies and special interests, experiences with sponsorship of student projects, and contacts you may have had with government or industrial laboratories.
4. After consultation with representatives of the appropriate university, you will be notified by May 1 of the action on your application.
5. Participants will be expected to share their experiences and new ideas by contributing to a report which will be published in The Science Teacher, the journal of the National Science Teachers Association.

VALUES WHICH MAY COME FROM THIS PROGRAM ARE -

1. Representatives of two important phases of the scientific enterprise will be brought into a working relationship.
2. Fresh points of view may be added to university research programs.
3. Newly inspired and enlightened teachers will return to their school science classrooms.

SCIENCE TEACHERS SUMMER RESEARCH ASSISTANTSHIP PROGRAM

Duties of Liaison People

1. Review, revise, and/or approve plans and printed materials to be used to announce and conduct the program.
2. Locate appropriate campus research people who could use a summer assistant, assuming a satisfactory applicant appears.
3. Receive applications forwarded by the Foundation and, in consultation with the research person, make final selection of candidates.
4. Arrange definite working relationships between each assistant and his employer.
5. Provide general counsel for the assistant(s) while on campus.
6. Report the values and hazards of this program to the Foundation.

Future Scientists of America Foundation
National Science Teachers Association
1201 16th St. N.W., Washington 6, D. C.

Enclosure 3.

Name:

School Address:

Home Address:

Colleges and Universities attended with years and degrees received:

Institution

Years

Degree

How many years have you taught? _____

How many years have you taught at least one class in high school:

7th Grade General Science _____ Biology _____ Other Sciences _____

8th Grade General Science _____ Chemistry _____ _____

9th Grade General Science _____ Physics _____ _____

How many semester hours of college credit do you have in each of the following subject matter areas:

Undergraduate Graduate

Undergraduate Graduate

Biology _____

Earth Sciences _____

Chemistry _____

Mathematics _____

Physics _____

Underscore the department, if any, in which you would prefer to enroll for additional course work:

Biology, Chemistry, Earth Science, Education, Mathematics, Physics, Other _____

Is there a specific research topic or area in which you would prefer to work? _____

Professional organizations of which you are a member:

Publications if any:

In which of the cooperating universities would you prefer an assistantship?

First Choice _____

Second Choice _____



Concerning America's Future Scientists:

Facts About the Future Scientists of America Foundation

Youth, Science, and America's Future—

At a time when we need more and more trained personnel, many things are competing for the interests of our young people. Although many individual science teachers do a remarkable job of maintaining enrollment in their classes, on a nation-wide basis high school science and mathematics courses attract only a fraction of our young people. Less than one in five of our eighteen-year-olds have had as much as one course in physics, one in four a course in chemistry, and one in ten a mathematics course beyond algebra or geometry.

The need for capable, well-trained, and stimulating science teachers is greater right now than it has ever been. The number and the quality of youth who will undertake careers as scientists, engineers, and science teachers in the years ahead depends very significantly upon science and mathematics teachers in our secondary schools.

These ideas were emphasized again and again at the 1954 Annual Conference of the Future Scientists of America Foundation.

The Foundation's Role—

The Foundation does things industry, professional societies, and science teachers want done to improve science teaching. Teachers alone can't carry the expense. Industry must help. Some companies and technical societies have invested several thousand dollars annually in the Foundation's program.

The Method—

All professional scientific and technical societies are invited to advise the Foundation regarding the appropriateness and effectiveness of its program.

Drawing its financial support from industry and technical societies provides the counsel and advice from these sources and serves to keep the program practical and geared to the changing needs of our economy.

Close affiliation with the National Science Teachers Association and the National Education Association insures that the Foundation's program stays in tune with the total educational enterprise.

The Organization—

Legal Status. The Foundation is an activity of the National Science Teachers Association. In turn, this Association is a Department of the National Education Association, chartered by Congress in 1857. The Association is governed by its own constitution and a Board of Directors elected by its membership.

Tax Exemption. A ruling dated April 29, 1954 clarified the extension of NEA's tax exempt status to include NSTA and the Foundation. Quoting this ruling, "contributions made to the Science Teachers Association and/or the Foundation are deductible by the donors in computing their taxable net income in the manner and to the extent provided by section 23(o) and (q) of the Code." The Internal Revenue Bureau does not list individual activities of exempt organiza-

tions. Being subsidiary to NEA, neither NSTA nor the Foundation appears as such in the "Cumulative List of Exempt Organizations."

Accounting and Auditing. All monies received and disbursed by the Foundation pass through the NEA Division of Accounts. These accounts are audited annually by Wayne Kendrick and Company, Rust Building, Washington, D. C. Bookkeeping within the Foundation is audited by a committee appointed by the president of the Association.

Checks to the Foundation can be made out to the Future Scientists of America Foundation.

Administration. Program planning and development are supervised by a nine-member Administrative Committee composed of the National Science Teachers Association Executive Committee plus five persons appointed by the president. This committee's decisions and recommendations can be reviewed, approved, or vetoed by the Association's Board of Directors. Advice is sought from and annual reports are submitted to a Board of Consultants composed of one member from each of the contributors to the Foundation.

Staff. The Executive Secretary of the Association is primarily the responsible officer of the Foundation. He is assisted in the actual development of the Foundation's program by an Assistant Executive Secretary, who, with a stenographer, are paid from funds contributed to the Foundation. On occasion, all seven members of the full-time Association staff give some of their time and effort to the Foundation's program.

The Record: 1954—

Careers in Science Teaching. 5,000 copies of an exploratory edition have been distributed to key teachers and counselors.

Encouraging Future Scientists: Materials and Services Available in 1954-55. A bibliography for counselors, teachers, and students who want information about technical careers. It also shows what other groups are doing about the manpower problem.

West Coast Science Teachers Summer Conference. Four features marked this conference. First, the teachers and their co-directors worked together as a research team on an assigned project. Second, the \$200 fellowships enabled the teachers to be selected on the basis of their ability to participate. Third, research scientists provided very cordial interviews in their laboratories. These interviews brought the teachers up-to-date on many new developments in science and let them see many implications for their own teaching.

Fourth, they produced 27 new or modified school science laboratory exercises which, in their opinion, involve more of the skills they saw being used in research laboratories. A 16-page supplement in the Association's journal, *The Science Teacher*, for February, 1955 provides a full report.

FSA-American Society for Metals Science Achievement Awards. Designed to encourage students to report their experimental work in science, this program reached nearly 20,000 students. About 1,000 entries were received. Awards were presented to 104 winners and Honorable Mention certificates to an additional 400.

Encouraging Future Scientists: Student Projects. Illustrated with entries in the student awards program, this booklet encourages the students to compare their projects with the types of research going on in university, government, and industrial laboratories. Science experiences are the strongest motivations for more science. Five thousand copies have been distributed and an additional 5,000 copies are available.

FSA-American Society for Metals Recognition Awards for Science Teachers. Increased participation insures that many "best science teaching ideas" are being forwarded to the Association's Publications Committee as raw material for a 1955 edition of *Selected Science Teaching Ideas*. A very popular publication, nearly 12,000 copies of the first edition have been distributed.

Science Student Chart Making Contest. Experience from the 1954 trial run of this program will be used to instruct students in the qualities of a good teaching chart and to develop the 1955 program.

Let's Help Science Teachers Find Science-Related Summer Jobs. An appropriate flier was included in about 10,000 mailings sent out by twenty representative trade and professional associations. The effect is being evaluated. Early returns indicate widespread endorsement by industry and teachers underscore such jobs as a way to refurbish their training and restore their enthusiasm.

Direct Educational Activities. The Foundation's staff members took part in many 1954 conferences. Field services involved hundreds of science teachers and representatives of other agencies and organizations which are concerned about science teaching and the technical manpower problem. Newspaper releases, radio and TV announcements, and other contacts produced a large volume of correspondence with students, teachers, teacher training institutions, parents and representatives of industry and technical societies.

What of Tomorrow: The 1955 Program—

Fellowships for Summer Conferences. The 1954 West Coast Conference proved the value of "employing" science teachers in research teams. Important educational problems can be solved, the teachers gain experience in working as members of research teams, the fellowships extend their annual salaries, and, in many cases, gathering data takes the teachers into the laboratories of many scientists where they gain the additional advantage of catching up on many new research projects. Conferences in 1955 should be used to produce 1) more laboratory exercises tuned to new developments in science; 2) teaching aids that enable teachers and students to get full value from time spent on science projects; and, 3) mathematics exercises which help students master the math skills they need to continue successfully in science.

Science Teacher Recruitment. Copies of the Foundation's booklet—*Careers in Science Teaching* should be made available to counselors in the nation's high schools and colleges.

Science Teacher Summer Research Assistantships. The teachers in the 1954 Summer Conference asked for chances to work with university research scientists on somewhat the same basis as industries let them work with industrial scientists. The Foundation may need to launch a pilot run of such a program in 1955.

Let's Help America's Science Teachers Find Science-Related Summer Jobs. The Foundation has summarized the experiences of employers and employees with this program. The values are becoming more apparent and the hazards more clearly defined. It should be continued.

Career Counseling Materials and Services. The bibliography of industrially sponsored materials and services should be kept up to date and distributed as widely as funds permit.

Science Teacher Recognition Awards. Teachers should continue to be encouraged to develop and report new science teaching ideas. Entries can produce 1) more effective teaching aids; 2) ways to recognize and stimulate students who show special abilities in science; and, 3) ways to revive, restore, and maintain laboratory teaching in today's schools.

Science Achievement Awards for Students. Students who report good projects should continue to receive awards. To help teachers direct their students in project work, the Foundation should distribute its

booklet—*Encouraging Future Scientists: Student Projects*, as widely as funds permit. Students have asked for more complete reports on the judging of their projects. A scale should be developed that will tell students how their work rated against the characteristics of inventive and worthwhile projects. A summer research team composed of teachers who are "experts" in this field could be employed to develop the scale.

Research. To keep its program effective, the Foundation must keep under constant study 1) student enrollment trends, 2) tendencies of young people to go into science teaching, 3) training and certification requirements for science teachers, 4) graduate programs available to teachers, and, 5) high school courses of study.

\$66,000. This much is needed to accomplish the 1955 program. Obviously, much more would be needed to solve, once and for all, the problems being attacked. The Administrative Committee, the Association's Board of Directors, and industrial advisors, however, have set this figure as being consistent with the Foundation's wherewithal to get jobs done. \$20,750 has already been contributed. How much can you invest to insure achievement of the 1955 program?

FSAF Receipts and Disbursements in 1954

(Projected to December 31, 1954)—

\$36,550.00	is the total sum contributed by 27 companies, corporations, and societies in 1954.
4,408.48	was the balance carried forward from December 31, 1953.
40,958.48	is the total financial resource the Foundation has had during 1954.
6,848.00	was spent for summer conference fellowships for teachers.
4,950.00	was spent for student awards.
1,305.00	was spent for teacher recognition awards.
4,300.00	was spent for printing.
2,130.00	for mailing costs.
3,000.00	for administrative service charges on special projects.
10,354.00	for staff salaries.
610.00	for office supplies.
2,360.00	for travel and related costs of providing direct educational and development activities.
5,111.48	projected balance available.

Those Who Have Supported the Foundation—

American Can Company
American Coke and Coal
Chemicals Institute
American Cyanamid Company
American Optical Company
American Society for Metals
Atlantic Refining Company
Benjamin Electric Manufacturing
Company
Celanese Corporation of America
Cornell Aeronautical
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Monsanto Chemical Company
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Shell Oil Company
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Sperry Gyroscope Company
Standard Oil Company of
California
Standard Oil Company of New
Jersey
Standard Oil Foundation, Inc.
(Ind.)
Stauffer Chemical Company
W. M. Welch Manufacturing Co.

NATIONAL SCIENCE TEACHERS ASSOCIATION

Executive Committee

Walter S. Lapp (1955), President, Overbrook High
School, Philadelphia, Pennsylvania.
Robert Stollberg (1955), President-elect, San Francisco
State College, San Francisco, California.
Charlotte L. Grant (1955), Retiring President, Oak Park
and River Forest High School, Oak Park, Illinois.
Dorothy Tryon (1955), Secretary, Redford High School,
Detroit, Michigan.
John S. Richardson (1955), Treasurer, Ohio State Univer-
sity, Columbus, Ohio.
Robert H. Carleton, Executive Secretary, NSTA Head-
quarters, 1201 16th Street, N. W., Washington 6,
D. C.

Regional Vice-Presidents

Elra M. Palmer (1955), Eastern, Board of Education,
Baltimore, Maryland.
Stanley E. Williamson (1955), Western, Oregon State
College, Corvallis, Oregon.

Regional Directors and Alternates

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Ruth Armstrong (1956), Director, Region IV, Fort Smith
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of Maryland, College Park Maryland.
Blanche Bobbitt (1955), Director, Region VIII, Board of
Education, Los Angeles, California.
Charles C. Gardner (1956), Director, Region II, Grant
Junior High School, Syracuse, New York.
William F. Goins, Jr. (1955), Director, Region III, Ten-
nessee A. and I. University, Nashville, Tennessee.
Helen E. Hale (1955), Director, Region III, Baltimore
County Schools, Towson, Maryland.

Merton M. Hassee (1956), Alternate Director, Region VI,
Central High School, Aberdeen, South Dakota.
J. Donald Henderson (1956), Director, Region VI, Uni-
versity of North Dakota, Grand Forks, North Dakota.
H. M. Louderback (1955), Director, Region VIII, Lewis
and Clark High School, Spokane, Washington.
John G. Read (1955), Director, Region I, Boston Uni-
versity, Boston, Massachusetts.
Wayne Taylor (1956), Director, Region VII, Denton High
School and Texas State College for Women, Denton,
Texas.
G. Marian Young (1956), Alternate Director, Region II,
University of Arkansas, Extension Center, Little Rock,
Arkansas.

Future Scientists of America Foundation

ADMINISTRATIVE COMMITTEE, 1954-55

The President, President-elect, Treasurer, and Executive
Secretary of the NSTA.
Dr. Henry H. Armsby, U. S. Office of Education, Wash-
ington, D. C.
Dr. L. Earle Amow, Sharp and Dohme Research Labora-
tories, West Point, Pennsylvania.
Dr. Philip G. Johnson, Cornell University, Ithaca, New
York.
Dr. Milton O. Lee, Federation of American Societies for
Experimental Biology, Washington, D. C.
Prof. Ralph W. Lefler, Purdue University, Lafayette,
Indiana.

Prepared December 1, 1954

Future Scientists of America Foundation

National Science Teachers Association
1201 Sixteenth Street, N. W.
Washington 6, D. C.

~~N~~
NATIONAL SCIENCE FOUNDATION
WASHINGTON 25, D. C.

February 8, 1955

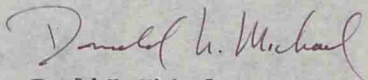
Dr. Carey H. Bostian, Chancellor
North Carolina State College
Raleigh, N. C.

Dear Dr. Bostian:

On behalf of my colleague Mr. Kennedy and myself I wish to thank you for your interest and very kind cooperation during our interview with you last week.

Your insight into the operation of your institution as a research function of the state and your opinions thereon will afford us a deeper understanding of this complicated subject and thereby permit us to assist the National Science Foundation in its efforts to serve the scientific community of the nation.

Very truly yours,



Donald N. Michael
Program Analysis Office

April 15, 1955

Mr. James D. Nicholson
Bethel, North Carolina

Dear Mr. Nicholson:

The research fellowships in science, about which you inquired recently, are intended for teachers of science in our high schools. At State College only two departments, Entomology and Physics, have agreed to consider applications from teachers of science in our secondary schools for these assistantships.

It is proposed that remuneration of \$400 be paid for working approximately twenty hours per week for ten weeks and that, in addition, the tuition and fees be provided for taking one course in summer school. All living expenses will be paid by the recipient of an assistantship. It is possible that arrangements might be made for furnishing the 200 hours of work in less than ten weeks.

Application blanks should be secured from The Future Scientists of America Foundation, National Science Teachers Association, 1201 Sixteenth Street, N. W., Washington 6, D. C. These application blanks provide a place for indicating the university where you prefer an assistantship. If you indicate on your blank that you wish to receive an assistantship in Physics or Entomology at North Carolina State College, the application will be forwarded to us for consideration.

Although April 10 was the announced dead line for sending applications to The Future Scientists of America Foundation, I believe they will extend the date during this first year of the program.

Sincerely yours,

Carey H. Bostian
Chancellor

CHB:cw

Bethel, N. C.

April 14, 1955

Dear Sir,

I have written the Future Scientists of America Foundation for information regarding the possibility of high school science teachers taking advantage of the Summer Research Assistantships Program.

They informed me that State College entered into the program a little late and that contact could be made with this office for those interested. However, I would like to have answers to the following questions:

When would the program for entomology and physics begin?

Are there two terms of this course?

Does the \$400 include board, room, etc.?

I would not be able to attend until early July. I am interested in the program and I would appreciate any additional information you have on this.

Sincerely,
James D. Nicholson

April 15, 1955

Dr. Owens Hand Browne
Department of Chemistry
St. Mary's Junior College
Raleigh, North Carolina

Dear Dr. Browne:

The research fellowships in science, about which you inquired recently, are intended for teachers of science in our high schools. At State College only two departments, Entomology and Physics, have agreed to consider applications from teachers of science in our secondary schools for these assistantships.

It is proposed that remuneration of \$400 be paid for working approximately twenty hours per week for ten weeks and that, in addition, the tuition and fees be provided for taking one course in summer school. All living expenses will be paid by the recipient of an assistantship. It is possible that arrangements might be made for furnishing the 200 hours of work in less than ten weeks.

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Although April 10 was the announced dead line for sending applications to The Future Scientists of America Foundation, I believe they will extend the date during this first year of the program.

Sincerely yours,

Carey H. Bostian
Chancellor

CHB:cw

cc: Dr. C. K. Beck
Dr. C. F. Smith

SAINT MARY'S JUNIOR COLLEGE
RALEIGH, NORTH CAROLINA
DEPARTMENT OF CHEMISTRY
OWENS HAND BROWNE
8 April 55

Chancellor C. H. Bostian
State College Station
Raleigh, N.C.

Dear Dr. Bostian:

Kindly send me information about the research fellowships in science.

Yours sincerely,

Owens Hand Browne

May 2, 1955

Mr. John H. Woodburn, Assistant Executive Secretary
National Science Teachers Association
1201 Sixteenth Street, N. W.
Washington 6, D. C.

Dear Mr. Woodburn:

Recently you sent me information concerning applications for Summer Research Assistantships from two individuals who indicated North Carolina State College as first choice and several other applicants as possible second choices.

We have made direct contact with Miss Mary Evelyn Hafling and have made her an offer of employment in the Department of Physics, at a stipend considerably above the minimum which was proposed. She has accepted tentatively.

I regret that we do not have any opportunities for additional applicants. All material is being returned to you at this time. I do not believe it will be possible for us to use any additional teachers during this coming summer. The Department of Entomology is not able to finance any assistantships, and the Department of Physics does not need an additional individual.

I hope that the program will be quite successful this summer, and we shall be interested in considering participation for 1956.

Sincerely yours,

Carey H. Bostian
Chancellor

CHB:cw

Enclosure

North Carolina State College of Agriculture and Engineering
of the
University of North Carolina
Raleigh

April 28, 1955

PHYSICS DEPARTMENT

Chancellor Boston

Miss Mary Evelyn Hafling
2335 10th Avenue, South
Birmingham 5, Alabama

Dear Miss Hafling:

We have in the Physics Department here at North Carolina State College a research type nuclear reactor which we use as the principal tool in our Nuclear Engineering training and research programs. Over the summer period we will use the reactor on two or three afternoons each week in experiments and laboratory exercises for advanced undergraduate and graduate students. At other times it will be operated as a source of radiation and for irradiating assorted materials in a wide variety of research projects.

We have a reactor staff of six or eight full or part-time graduate students and several professors (who also have other duties). Graduate students and professors from other departments as well as our own participants in the research experiments. In operating the reactor, we need one person at the control console who can not only operate the reactor and maintain vigilance over its behavior and performance, but can keep records of the experiments performed and act as a scheduling officer for requested experiments.

To perform this task does not require extensive technical training, since the reactor operation is essentially automatic, although the operator would have to become thoroughly acquainted with the system in order to respond correctly if unanticipated events should occur. It is important however, that the operator have maturity of judgment, orderly habits, the ability to accept responsibility and, particularly, the ability to adapt to and get along with the students and staff who would be around.

From the records presented *to invite you* you seem to have these characteristics in abundance, and we would like to participate in our summer program in the position of "reactor operator" as described above. The reactor will probably be actually in operation less than half the time. This would therefore leave a good portion of your time free in which you could participate in the research projects in progress, assist in collecting radioactivity data, calculations, etc. There would not be dearth of tasks to perform, and enough variety would be involved to lend interest to the work.

Miss Mary Evelyn Hafling

Page 2

April 28, 1955

We have in mind a reimbursement rate of \$70 per week, beginning as early in June as you could arrange to be here and extending at least to August 15, approximately the end of our summer term.

We shall be pleased if you can accept this invitation to participate in our summer program. If further information can be supplied, do not hesitate to let me know.

Sincerely yours,

Clifford Beck, Head
Physics Department

CB:mk



THE FUTURE SCIENTISTS OF AMERICA FOUNDATION of the NATIONAL SCIENCE TEACHERS ASSOCIATION

1201 Sixteenth St., N. W., Washington 6, D. C.

ADams 4-4855

ADMINISTRATIVE COMMITTEE

DR. HENRY H. ARMSBY
U. S. Office of Education
Washington, D. C.

DR. R. EARLE ARNOW
Sharpe and Dohme
Research Division
West Point, Pennsylvania

MR. ROBERT H. CARLETON
National Science Teachers Ass'n
Washington, D. C.

DR. PHILIP G. JOHNSON
Cornell University
Ithaca, New York

DR. WALTER S. LAPP
Overbrook High School
Philadelphia, Pennsylvania

DR. MILTON O. LEE
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For Experimental Biology
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Purdue University
Lafayette, Indiana

DR. JOHN S. RICHARDSON
Ohio State University
Columbus, Ohio

DR. ROBERT STOLLBERG
San Francisco State College
San Francisco, California

April 18, 1955

Mr. Carey H. Bostian
Chancellor
North Carolina State College
Raleigh, North Carolina

Dear Mr. Bostian:

April 10 marks the end of the announcement phase of our pilot-run program of Summer Research Assistantships for High School Science Teachers. We now move toward selecting appropriate applicants. I have assembled the applications received by our office together with supporting papers in the accompanying folder. A summary sheet appears as page 1.

A total of 354 applications were received in our office. From my experience with other programs arranged for science teachers during the summer months, this number shows that teachers are interested. I wish there had been more who indicated North Carolina for their first choice but perhaps you can find one or more people who will give your institution value received for their wages. In addition, they should exploit available course offerings.

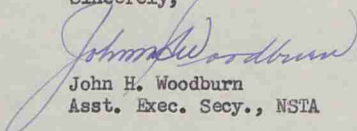
May I make an additional suggestion? Several colleges and universities are going to considerable trouble to obtain funds and make arrangements for special summer programs to bring high school teachers to their campuses. Apparently, they think it is a good idea. The enclosed applicants reflect an interest in working for your institution and at least some degree of eagerness to improve themselves. Those people for whom research assistantships are not available might be encouraged to take advantage of whatever other opportunities your institution might provide for them this summer. Feel free to contact them directly.

Since teachers are already trying to get their plans crystallized for the summer, you may want to contact directly the person or persons whom you select for your assistantships. If you prefer, we will. Please return the accompanying folder as soon as you are through with it so that we can inform the other teachers of the action taken on their applications.

If you find no satisfactory applicants among those who have

indicated first choice for your institution, but feel that an appropriate person can be found among those that have indicated second choice, let us know and we will see if the second choice person is still available.

Sincerely,



John H. Woodburn
Asst. Exec. Secy., NSTA

JHW:dc
Enclosure

October 22, 1955

Mr. John H. Woodburn, Assistant Executive Secretary
National Science Teachers Association
1201 Sixteenth Street, Northwest
Washington 6, D. C.

Dear Mr. Woodburn:

There are a few comments I have concerning the plans for the program of assistantships for teachers next summer.

Several of the applicants for our positions last summer had the impression that they were being offered an outright scholarship requiring no duties. I doubt that the opportunities offered by North Carolina State College in this program will ever attract very many students, because the majority of the teachers wish to take courses which will make a direct contribution to their professional advancement. We do not offer such courses.

There is on this campus a reluctance to offer assistantships without knowing that they will be filled. Most of our opportunities involve agricultural and engineering projects, and usually an ample supply of undergraduate students is available to supplement the graduate students who want to work during the summer.

We do not wish to be listed as offering specific assistantships during the coming summer, but would be willing for your announcement to say that high school teachers of science may write directly to the various departments of the College inquiring about the availability of summer work.

Sincerely yours,

Carey H. Bostian
Chancellor

CHB:cw



THE FUTURE SCIENTISTS OF AMERICA FOUNDATION of the NATIONAL SCIENCE TEACHERS ASSOCIATION

1201 Sixteenth St., N. W., Washington 6, D. C.

ADams 4-4855

ADMINISTRATIVE COMMITTEE

DR. HENRY H. ARMSBY
U.S. Office of Education
Washington, D. C.

DR. L. EARLE ARNOW
Sharpe and Dohme
Research Division
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Overbrook High School
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DR. MILTON O. LEE
Federation of American Societies
For Experimental Biology
Washington, D. C.

PROF. RALPH W. LEFLER
Purdue University
Lafayette, Indiana

DR. JOHN S. RICHARDSON
Ohio State University
Columbus, Ohio

DR. ROBERT STOLLBERG
San Francisco State College
San Francisco, California

October 5, 1955

Mr. Carey H. Bostian, Chancellor
North Carolina State College
Raleigh, North Carolina

Dear Mr. Bostian:

During the Foundation's 1955 program, we tried to see if it would be a good idea for colleges and universities to employ high school science teachers as research assistants during the summer months.

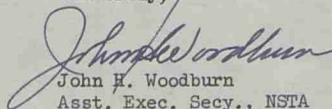
In keeping with the advice we received prior to launching the program, we gave the participating universities as much freedom as possible in operating their individual programs. It appears that we were well advised.

Now we face a very important decision. To what extent should we encourage more universities to make assistantships available in 1956? All in all, in the minds of America's science teachers, will the NSTA gain or lose stature by encouraging teachers to seek such assistantships?

Although we have already heard from many of you, this is a last minute plea for you to report any additional facts and opinions that bear on this decision. How actively we push this program in 1956 depends on your telling us what you did and did not like about last summer's program. Although I assure you we will be discreet in quoting you, you may file an anonymous report if you want to.

The attached page illustrates the kinds of data we need.

Sincerely,


John H. Woodburn
Asst. Exec. Secy., NSTA

JHW:dc
Enclosure

Quotations Bearing on the 1955 Pilot-run Program of High
School Science Teachers Summer Research Assistantships

I. What Kinds of Assignments Did the Assistants Receive?

To assess qualitatively and quantitatively through paper chromatography and spectrophotometry, differences in leucoanthocyanin and anthocyanin content of flowers of various genetic origin and at various stages of development.

To assist in a study of the taxonomy, morphology and life histories of the trematode parasites of South Florida.

To build and test electronic circuits to be used in future laboratory experiments in an engineering electronics course and to write the lab procedures.

II. What Weaknesses Were Revealed?

Full-time research assisting is incompatible with enrollment in courses, yet teachers are expected to progress toward advanced degrees during the summer.

Our regular research program requires a rather advanced knowledge of engineering and applied science. This is lacking in high school teachers of science, and there is no particular reason why they should have such knowledge for their own teaching. The only way in which we can use teachers as research assistants is to create special projects for them.

It would appear essential that the same man return for a second summer or that the money for the support of this program come from outside sources, so that the research director might have gratis such service as the high school teacher was prepared to give. Under these circumstances, I believe that the time devoted by the research director to instructing the assistant would just about offset the rather unspecialized assistance which the program would receive each summer.

III. What Strengths Were Revealed?

The research program gained an assistant it would not otherwise have been able to employ and, as consequence, made considerably greater progress.

The performance of certain routine operations where constant supervision is not necessary and assistance in the performance of other operations where an extra set of hands is quite helpful.

With our two men this year it has meant a great deal from the standpoint of good will. Both are enthusiastic about our program and will pass the work on to other science teachers.

A richer, fuller background to draw upon. I believe that I am in a better position now to help students develop proper scientific attitudes and ideals. I will also have a little more knowledge and help for students who are planning scientific careers. In terms of actual material, I have many slides that I plan to use in teaching and have come in contact with and gathered many recent publications, which will be used as reference material.

(over)

IV. How About Next Year?

After the candidate has selected a particular subject, it might be good to send him elementary references on the topic in order that he have some advance preparation for his summer work.

Repeated employment of the same teacher for the same project would compensate for the time lost in training.

The application forms should be redesigned to provide more insight into the applicant's experience and interests.

From the viewpoint of the teacher it would be well to broaden the assistant's contact with other types of research.

It would be desirable to indicate clearly in the announcements the specific fields in which the various colleges will have openings.

Suggest the assistant before accepting the first assignment, seriously consider the possibility of a second summer.

If we had a larger number of research participants they might become a special interest group with its own plan for trips and social activities.

We have already offered our man a Research Assistantship, on contract funds, for any summers which he wishes to work. We expect to make it attractive enough for him financially so that he will take this instead of "outside work." We have asked him, through his knowledge of the physics teachers in high schools in the state, to find others who would be interested in summer research assistantships. We would find the money to pay them.

We have a problem of getting a sufficient number of qualified faculty to take part in this program. The close supervision required, adds to their heavy loads. Unless the faculty member has some of his salary paid by research grants he cannot usually go through the summer without some supplementary job. It may be, therefore, that the University would have to offer the faculty member some financial inducement to get him to join the program.

The program would be much more valuable if formal arrangements were made for a definite number of assistants, say six, to be made available to a given program at the College, as a continuing program for at least three or four summers. If the department knew they were coming, courses and programs utilizing their help could be arranged in advance. Some finances outside of college budgets would need to be provided.

Those with good science backgrounds are easy to place. Suggest consideration of only those who have adequate background.

The conditions under which the practice could best be continued are: (a) place the emphasis on the main values mentioned in answer to question 14 (The enlightenment of secondary school science teachers), and (b) coincidentally shift the financial burden of the program to agencies that are more directly concerned with the actual outcomes.

March 7, 1955

The Honorable Luther H. Hodges, Governor
State of North Carolina
Raleigh, North Carolina

Dear Governor Hodges:

I shall be glad to serve as a member of the North Carolina Advisory Council on Regional Education. I have been acquainted with activities of the Southern Regional Education Board since the inception of the idea and the organization of the Compact.

It was my privilege to participate in discussions leading to regional cooperation in veterinary medicine before the Southern Regional Education Board came into existence. Since then I have followed all programs of the Board with great interest and especially veterinary education, because of my position as secretary of the committee in North Carolina which selected students each year for the veterinary program. Currently, I am serving as chairman of the Veterinary Commission of the Board.

It will be a pleasure to serve with other members you have selected, and I shall await a call for our first meeting.

Sincerely yours,

Carey H. Bostian
Chancellor

CHB:cw

cc: Dr. Charles F. Carroll
Mr. Gordon Gray



STATE OF NORTH CAROLINA
GOVERNOR'S OFFICE
RALEIGH

LUTHER H. HODGES
GOVERNOR

March 2, 1955

Dr. Carey H. Bostian
Chancellor of State College
Raleigh, North Carolina

Dear Dr. Bostian:

It is my pleasure to appoint you as a representative from North Carolina State College to serve as a member of the State Advisory Council on Regional Education. As you know, North Carolina is one of fourteen States participating in the activities administered by the Southern Regional Education Board with headquarters in Atlanta, Georgia. This Board is responsible for coordinating and developing high quality programs of graduate, technical, and professional education of the various states in the South. Its work is designed to facilitate the development of inter-state arrangements to achieve a more effective expenditure of public and private funds for higher education, and to do this in such a way as to stimulate economic and cultural development.

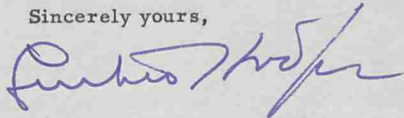
Recently the Southern Regional Education Board recommended that each of the Compact States establish a State Advisory Council to provide a single facility in each State through which the joint interest of the several institutions and agencies of the State could be expressed more effectively in the operation of the Compact. I am enclosing herewith a memorandum from the Chairman which explains the functions and purposes of such a Council.

March 3, 1955

The other members of the State Advisory Council will be Dr. Henry T. Clark, Chapel Hill; Dr. Marcus E. Hobbs, Duke University; Dr. Harold W. Tribble, Wake Forest, and Dr. Richard K. Barksdale, North Carolina College; and will also include the present three members of the Southern Regional Education Board from North Carolina (Charles F. Carroll, Raleigh; President F. D. Bluford, A & T College; and Dr. Harris Purks, University of North Carolina).

This membership should not involve a great deal of your time, but will serve a useful purpose in advising on matters relating to our State and Southern Regional Education program.

Sincerely yours,

A handwritten signature in blue ink, appearing to read "Harris Purks", with a stylized flourish at the end.

LHH, r.1

Enclosure

cc: Dr. Charles F. Carroll
Dr. Gordon Gray
Dr. John Ivey

Southern Regional Education Board
830 West Peachtree Street, N. W.
Atlanta, Georgia
ELgin 6781

MEMORANDUM FOR
STATE ADVISORY COUNCILS ON REGIONAL EDUCATION

At its meeting November 2, 1953, the Southern Regional Education Board recommended that each of the Compact states establish a State Advisory Council on Regional Education.¹ This action was taken to provide a single facility in each state through which the joint interests of the several institutions and agencies of the state could be expressed more effectively in the operation of the Compact. The Board maintains contacts within each state with universities, the governor's office, the legislature, the state board of regents where such exists, and other agencies concerned with higher education.

The State Advisory Councils are a logical extension of the organization which has been developed to put the Compact into effect. The Compact, which has been approved by the legislatures of fourteen states, makes it possible for the states to cooperate in developing high quality programs of graduate, technical and professional education. The Compact was designed (1) to facilitate the development of interstate arrangements to achieve the more effective expenditure of public and private funds for higher education and (2) to do this in such a way as to stimulate economic and cultural development.

The Compact created the Southern Regional Education Board as its executive agency at the regional level. The legislatures of the member states support its central offices in Atlanta. The Board is composed of four representatives from each of the fourteen states, including the governor and three persons appointed by him.

1/ See Appendix. (Resolution)

The Board, though authorized to establish new institutions, has as a matter of policy worked only through existing institutions. It continuously develops methods of cooperation leading to various kinds of regional arrangements. The oldest of these are the contract programs in medicine, veterinary medicine, dentistry and social work. They represent a pooling of educational resources, since through them states which lack sufficient facilities in these fields can in effect buy quotas of places in existing schools for their citizens. Another regional arrangement is the Memorandum of Agreement under which institutions commit themselves to plan advanced work in a given field in order to avoid unnecessary duplication and to develop specialties which become available to the region. There are Memoranda of Agreement in city planning, forestry, marine sciences, nursing, petroleum sciences and pulp and paper technology.

Contributing to the evolution of such regional arrangements are various studies, developmental projects and consultative devices. At present the Board is exploring the feasibility of developing regional arrangements in a dozen fields. It is also sponsoring study commissions or projects concerned with such areas as architectural education, educational television, highway economics, mental health training and research, veterinary education, and the projection of school and college enrollments. During its first few years the Board devoted almost all its energy to working out cooperative arrangements among colleges and universities. It now works closely with state legislatures and sponsors an annual Legislative Work Conference on Southern Regional Education.

The need for State Advisory Councils to supplement the regional facility which the Board itself represents has intensified as each state has participated more and more in regional activities. The Board's growing advisory services re-emphasize the need, since they imply that information will flow not only from the regional level into the states but also from individual states to the region. Hence, the

Board's action calling for the State Advisory Councils in which the interests of the colleges and universities, the legislature and other agencies concerned in regional undertakings, would be facilitated.

The executive orders or legislation establishing the Councils will doubtless vary in detail. In general, however, it is expected that they will be agencies charged with assisting the various interests of the state in implementing the regional education program. They will not supplant the direct relations between the Board and individual institutions or agencies. The advisory nature of the Councils, which is emphasized in their name, reflects that of the Board itself. In addition to maintaining liaison with the Board, the Councils will be in a position to assist institutions within the state framework just as the Board does within the regional framework.

Although there is no limitation on the states in specifying the functions of the Councils, they might assume such duties as the following:

1. Encourage study of graduate, technical and professional education in their states in order to recommend to the Board which programs might become parts of regional programs--that is, available to students and agencies of other states under regional arrangements.
2. Arrange for the study of unsatisfied demands and needs for graduate, professional and technical education in their states as a basis for discovering through the Board which ones might be met through regional arrangements--that is, through relying on the facilities of other states.
3. Recommend the optimum use of the facilities provided by the Compact, in the interests of their states.
4. Make information pertaining to their states available to various regional studies and projects.

The composition of the Councils will vary from state to state but in general it will be determined by their functions. It is possible, for instance, that their members will represent the broad range of higher education interests, including the legislative and executive branches of state government and universities and professional groups.

APPENDIX

RESOLUTION

Policy on State Advisory Councils on Regional Education

WHEREAS the Southern Regional Education Compact provides for advisory services to the Compact states and directs the Southern Regional Education Board to provide such services, and

WHEREAS the Compact makes no provision for an agency in each Compact state to maintain liaison with the Board in effecting this advisory function,

THEREFORE BE IT RESOLVED that the Board encourage each Compact state to designate an Advisory Council on Regional Education to insure the best use of the Compact in strengthening the higher education program of the state; and

That the staff of the Board make available to the Governor of each state, for his information, the detailed recommendations of the Finance Committee, the Executive Committee, and the Legislative Work Conference relative to the establishment and organization of the Councils.

The National Collegiate Athletic Association

Executive Offices

209 Fairfax Building • Kansas City 5, Missouri • Baltimore 7127

President
CLARENCE P. HOUSTON
Tufts College

Executive Director
WALTER BYERS

Secretary-Treasurer
RALPH W. AIGLER
University of Michigan

February 23, 1955

Report to
Membership

TO: Presidents, Faculty Representatives and Athletic Directors of
NCAA Member Institutions and Officers of Allied Conferences.

SUBJECT: Report No. 1 for 1955.

It has been customary for the Officers of the Association, from time to time, to issue Reports to the Membership. This constitutes the first of the series for this year, covering important developments in the affairs of the NCAA since our 49th annual Convention, January 7, 1955.

1. Convention Actions. The proceedings of the 49th annual Convention will be published in the Yearbook of the Association which will be mailed to you early next month. Meanwhile, we are enclosing a copy of the Association's revised Constitution, By-laws and Executive Regulations, reflecting amendments approved at the recent Convention. In particular, the Officers wish to call your attention to Article VIII, Section 1 of the By-laws.

2. Interpretations. The Association's Council has adopted additional interpretations of NCAA legislation which, in turn, were endorsed by the 49th annual Convention. These interpretations have been included in the "Official Interpretations" section of the enclosed pamphlet, pages 27-29. It is suggested that the appropriate authorities of each institution carefully review the Association's legislation and interpretations in order that they may be fully informed of existing NCAA requirements.

3. Recommended Practices and Policies. From time to time, past NCAA Councils have considered trends and problems of intercollegiate athletics which they felt should be subject to the official cognizance of the Association. Frequently, on such occasions, previous Councils have adopted recommendations which they have forwarded to the membership in memorandum form. These items have related to areas of administration in which the Councils have felt the NCAA can productively exert influence and leadership through recommendations rather than rules and regulations.

The Association's 1954 Council was of the opinion that these recommendations should be collected and printed for the convenience of members of the Association. Consequently, it was decided to publish a new section, ("Recommended Policies and Practices for Intercollegiate Athletics") immediately adjacent to the

Association's Official Interpretations on pages 29-30 of the enclosed. We urge the executive and athletic administrators of our member institutions to give attentive consideration to these recommendations.

4. Report of 1954 Television Committee. A copy of the report of the 1954 NCAA Television Committee also is being forwarded with this memorandum. We trust that each will find time in his busy schedule to read this document which sets forth a highly significant story of how the colleges of the nation are working together to solve a complex problem.

5. 1955 Television Planning. Under date of January 28, 1955, President Houston forwarded to the membership a copy of the television resolution adopted by the 49th annual Convention along with a listing of the Association's 1955 Television Committee. In that memorandum, he noted that the Committee would hold "hearings" at which all members would be invited to submit observations, suggestions and recommendations.

The Television Committee, according to schedule, conducted hearings at its meeting of February 10-11. Then it held its third meeting last week at which time the Committee developed a plan to recommend to the membership in the mail referendum in accordance with the Convention-approved resolution. The recommended plan and ballots will be dispatched to the membership sometime next week.

6. Television Committee Announcement. The 1955 Television Committee wishes to notify the membership that it has no connection in any way with any individual, group or organization claiming to represent the interests of college football television fans. It has been indicated that an individual or group has claimed or might claim such an affiliation and the Television Committee wishes to report that such a connection has not and does not exist.

7. 1951-52 Eligibility Waiver. The NCAA eligibility rules set forth in Article IV of the By-laws apply to member institutions only when they enter athletes in National Collegiate Championship events, those meets and tournaments conducted by the Association. Several inquiries have been received regarding the application of Section 1, (e) of that Article for National Collegiate events of this March and June.

This is to reconfirm that in August of 1951, the NCAA Council voted to permit freshmen to compete in National Collegiate Championship events of the college year 1951-52 with the understanding that such competition would not count as one of the three permissible seasons noted in Section 1, (e). Thus, a senior who has engaged in three

previous varsity seasons in a particular sport will be eligible for the National Collegiate Championship in that sport during the 1954-55 college year, provided one of his three previous varsity seasons was as a freshman during the 1951-52 college year.

8. 50th Annual Convention. The Association's 1956 Convention will be an occasion not only to advance the affairs and interests of intercollegiate athletics, but also to mark by appropriate ceremonies the Association's golden anniversary. The meetings will be held in Los Angeles (Statler Hotel), January 9-11.

Although the Convention is 11 months away, we do wish to urge our member institutions to make plans to be represented at this 50th annual meeting and participate in the ceremonies marking the occasion. We hope that those institutions which do not always send representatives to our Convention each year will be able to do so on this particular occasion.

Through these periodical reports we will continue to keep the membership informed of the business and affairs of the Association during the year.

CLARENCE P. HOUSTON
President

RALPH W. AIGLER
Secretary-Treasurer

September 16, 1955

Mr. M. G. Mann, General Manager
N. C. Cotton Growers Cooperative Association
Raleigh, North Carolina

Dear Mr. Mann:

It will be a pleasure to serve as Public Director of the
North Carolina Cotton Growers Cooperative Association.

I regret that you did not find me in the office when you called recently to extend the invitation to me to serve on the Board of Directors. I shall derive much satisfaction from any possible service which can be rendered this very useful organization which has benefited the farmers of our state so greatly for many years.

I found the program last Tuesday to be most enjoyable and congratulate you on having arranged another very fine annual meeting.

Very cordially yours,

Carey H. Eostian
Chancellor

CHB:cw

NORTH CAROLINA COTTON GROWERS COOPERATIVE ASSOCIATION

RALEIGH, NORTH CAROLINA

M. G. MANN
GENERAL MANAGER

September 9, 1955

Dr. Carey H. Bostian, Chancellor
North Carolina State College
Raleigh, North Carolina

Dear Dr. Bostian:

I wanted to talk with you personally about the committee's action in appointing you as the Public Director of the North Carolina Cotton Growers Cooperative Association.

I visited your office this morning, but learned that you were out of the city and that you would be in an Executive Committee meeting of the Board of Trustees all day Monday.

You will observe that provision is made in our by-laws for the appointment of a public director by the President of the University of North Carolina, the Commissioner of Agriculture, and the Director of Extension.

Colonel Harrelson held this position for a number of years, and occupying the position that you do, we do not believe that there is a better man in North Carolina to serve this farmer organization as a Public Director; therefore, we hope that you will accept the appointment.

We meet only four times a year unless it is necessary to call a special meeting. The meetings do not last very long, and we feel that for you to have the opportunity of meeting the fine group of men elected by the farmers throughout the state to serve them as Directors, will fully compensate for the time that you have to take to attend Board meetings.

Our annual meeting will be held on Tuesday, September 13, and we hope very much that you will be able to attend because at that time announcement will be made of the appointment of public directors for both the Cotton Association and the FCX.

We are enclosing a special ribbon which we hope you will wear when you reach the Auditorium so that you will be shown to the special seat which we are reserving for you.

I can assure you that I am personally looking forward with a great deal of pleasure to working with you as we seek to bring about a better day for our cotton farmers.



NORTH CAROLINA COTTON GROWERS COOPERATIVE ASSOCIATION
RALEIGH, N. C.

Page 2--Dr. Carey H. Bostian

September 9, 1955

With kind regards and best wishes,

Sincerely,

A handwritten signature in blue ink, appearing to read "M. G. Mann", with a long, sweeping flourish extending to the right.

M. G. Mann
General Manager

MGM/lrs
Enc.

NORTH CAROLINA COTTON GROWERS COOPERATIVE ASSOCIATION

RALEIGH, NORTH CAROLINA

September 8, 1955

M. G. MANN
GENERAL MANAGER

TO THE DIRECTORS OF THE NORTH CAROLINA
COTTON GROWERS COOPERATIVE ASSOCIATION
AND THE FARMERS COOPERATIVE EXCHANGE

Gentlemen:

We have been thinking about the seating arrangement at the Auditorium next Tuesday, and since there has been some complaint in the past about not being able to hear when seated on the rostrum, we have decided to reserve the first two rows on the righthand side of the Auditorium as you go in for the Directors.

We are very anxious to have all of the Directors sit together because we would like to have a picture made, and if the Directors are scattered throughout the Auditorium, it consumes too much time in trying to get them together.

By all of the Directors sitting together in the special reserved space, we can properly recognize them and at the same time quickly have a picture made.

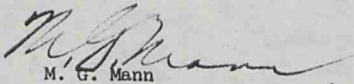
We feel that it is a good idea for the members present to see the men who guide the destiny of their business.

We hate mighty bad to separate any of the Directors from friends or others who may come with them, but we do believe that it is essential that we reserve a special section just for the Directors so that they can be properly recognized.

We have received requests for more than 6,000 tickets, but that does not mean that all of those who have requested tickets will attend the meeting. However, it does point to a fine attendance and we still hope that we will be able to fill the Auditorium from top to bottom.

Looking forward to seeing you next Tuesday, I am, with kind regards,

Sincerely yours,


M. G. Mann
General Manager

