

Name Fred Werthly Alsup Field: Biology
 3626 Sansom Street
 Philadelphia, Pennsylvania REAPPOINTMENT

Plan of Work

To continue work on the colloidal properties of protoplasm. I plan to study the changes produced in these properties by Photodynamic action, alternating current alone, and alternating current followed and preceded by light. I also wish to find out how variations in the composition of the surrounding media affect the peculiar actions of citrates on cells.

Wishes to spend summer of 1940 at Marine Biological Laboratory ^{Woods Hole,} and rest of school year at University of Pennsylvania to complete work on Ph.D. degree.

Has fulfilled language & course requirements for Ph.D. in general physiology. Takes fall term in Oct, finishes the degree. Ph.D. in June, 1941

Personal Data Born Nashville, Tennessee, August, 1914. Age: 25
 Married, one child.

Undergraduate Work Fisk University, A. B., 1934.

Graduate Work Fisk University, M. A., 1936.
 University of Pennsylvania, 1938 -

Experience Head, Science Department, Morristown College, Tennessee, 1936-38, \$700.

Accomplishments

Publications: Article in Physiological Zoology.

Four undergraduate scholarships at Fisk, 1931-34, \$150; two graduate fellowships, 1934-36, \$300; two Rosenwald fellowships, 1938-39, 1939-40, total of \$2000.

References

L. V. Heilbrunn
 D. H. Wenrich
 M. H. Jacobs
 Dr. Hober
 C. V. McClung
 (all of University of Pennsylvania)

Budget Summary

Total Amount Needed	\$1000.00
From Applicant	-----
From Fund	\$1000.00

Plan of Work
 Transcripts

Photograph
 Exhibit Material

Sent to Committee

3/14

4/1

AMOUNT GRANTED

\$1000

granted

JULIUS ROSENWALD FUND
(RENEWAL)

Candidate **Fred Werthly Alsop**

Special Field **Zoology**

Graduate Student, University of Pennsylvania
3626 Sanson Street, Philadelphia

Plan of Work

I wish to continue my experiments designed to show how the peculiar sensitizing effects of light and current on protoplasm, that I have found, are related to the colloidal properties of cells. I wish to continue my studies in physiology.

*PL. D. U of Penn.
Does not plan to return Ohio former position.*

Digest of Application

Born August, 1914, Nashville, Tennessee. Married, one child.

A. B. Fisk University, 1934. M. A. Fisk, 1936. Marine Biological Laboratory, Woods Hole, Massachusetts, summer, 1937. University of Pennsylvania, 1938 -.

Head, Science Department, Morristown College, Tennessee, 1936-38, \$700.

Four undergraduate scholarships at Fisk, 1931-34 (\$150); two fellowships for graduate work, 1934-36, (\$800). Rosenwald Fellowship, \$1938-39, \$1000.

Has published this year, "Relation Between Responses of Amoeba Proteus to Alternating Electric Current and Sudden Illumination," - Jan. Physiol. Zool. 1939.

References

- Dr. L. V. Heilbrunn, University of Pennsylvania
- Dr. Schoeple, University of Michigan
- Dr. A. L. Ferguson, University of Michigan
- Dr. C. V. McClung, University of Pennsylvania

Budget Summary

	\$ 1000
Total amount needed	<u> </u>
From applicant	\$ 1000
From Fund	
Granted	<i>\$ 1,000</i>

Committee Notes

Documents submitted

- Photograph
- Exhibit material
- Transcripts

Plan of work

Digest

Sent to Committee

Documents returned



JULIUS ROSENWALD FUND
(RENEWAL)

Fred Verity Alany

Special Field
Mac-

Candidate
University of Pennsylvania
3822 Locust Street, Philadelphia
has received approval in his field.

Plan of Work

I wish to continue my experiments designed to show how the peculiar
neutralizing effects of light and current on psychomotor, that I have found, are
related to the collateral projection of cells. I wish to continue my studies
in physiology. Ph.D.
Received from University of Pennsylvania

Digest of Application

Born August, 1914, Knoxville, Tennessee. Married, one child.
A. S. Fisk University, 1936. M. A. Fisk, 1938. Marine Biological
Laboratory, Woods Hole, Massachusetts, summer, 1937. University of Pennsylvania,
1938 -
B.S., Science Department, Nashville College, Tennessee, 1936-38, 1939.
Four undergraduate scholarships at Fisk, 1931-34 (\$150); two fellowships
for graduate work, 1934-35, (\$200). Rosenwald Fellowship, 1935-37, \$1000.
Has published this year, "Relation between Responses of Insect Protein
to Alternating Electric Current and Golden Illumination," - J. Gen. Psychol., 1938.

References

Dr. E. V. Hellerman, University of Pennsylvania
Dr. Josephine, University of Michigan
Dr. A. L. Ferguson, University of Michigan
Dr. G. V. McGaughey, University of Pennsylvania

Budget Summary
\$ 1000
Total amount needed
From applicant
\$ 1000
From Fund
Granted \$ 1000

Committee Notes

Documents submitted

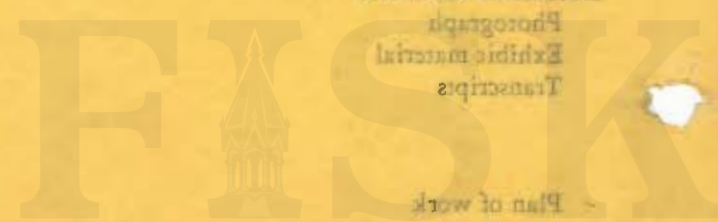
- Photograph
- Exhibits material
- Transcripts

Plan of work

Digest

Sent to Committee

Documents returned



Candidate **Fred Werthly Alsop**

Special Field **Zoology**

**Head of the Science Department, Morristown College
Morristown, Tennessee**

Plan of Work

I am to work on the nature of response in animals with special emphasis on Anceba and physiological problems under Dr. L. V. Heilbrunn at the Zoological Laboratory of the University of Pennsylvania. This work is to lead to the degree of Doctor of Philosophy.

Does not wish to return to present position but desires work in a college of higher rating where research work can be done.

Digest of Application

Born August, 1914, Nashville, Tennessee. Married, one child.

Obtained A.B. from Fisk University, 1934; M.A. from the same school, 1936. Marine Biological Laboratory, Woods Hole, Massachusetts, summer, 1937.

Graduate Assistant, Fisk University, Nashville, Tennessee, 1934-36, \$15 month. Head of the Science Department, Morristown College, Morristown, Tennessee, 1936- , \$700 year.

Sigma Gamma Pi, Fisk University Scholarship Society.

Work for Master at Fisk included original experimental work on the Relation of light and alternating current as shock agents in Anceba proteus. This experimental work to be published the first of the year by one of the leading Zoological magazines of the country.

Four undergraduate scholarships at Fisk (\$150), 1931-34. Two Fellowships, \$500, for graduate work, 1934-36.

References

- ✓ Dr. H. B. Goodrich, Head, Zoology Dept. Woods Hole, Massachusetts.
- ✓ Dr. L. V. Heilbrunn, Prof. Physiology, University of Pennsylvania
- ✓ Dr. H. T. Folger, Head, Zoology Dept., Fisk University

Budget Summary

Total amount needed	\$1112
From applicant	<u>100</u>
From Fund	\$1000
Granted	\$1000

Committee Notes

Waller

Documents submitted

- Photograph
- Exhibit material
- Transcripts
- Fisk University
- Fisk University (Graduate)

Plan of work

Digest

Complete

Sent to Committee FEB 16 1938

Documents returned

JULIUS ROSENWALD FUND

Candidate

Prof. V. V. Heilman

Head of the Biology Department, Nashville College
Nashville, Tennessee

Plan of Work

I am to work on the nature of response in animals with special emphasis on
muscle and physiological problems under Dr. L. V. Heilman at the Biological
Laboratory of the University of Pennsylvania. This work is to lead to the degree
of Doctor of Philosophy.

Does not wish to return to former position but desires work in a college
of higher rating than present one in Tennessee.

*Prof. of Heilman will take that in chief as a strong
recommendation. Heilman is an excellent man.*

Digest of Application

*On July 1, take on a few more mice & keep them going
until they are all dead. I think we should take
some August, 1938, Nashville, Tennessee.*

Old. Not strong for. But apply for it.

Alma Mater, Pittsburg University, Kansas

Four for Heilman at Pitt included original experimental work on the relation
of light and alternating current as shock agents in mouse paws. This experimental
work was published the first of the year by one of the leading biological magazines
of the country.

Four undergraduate manuscripts at Pitt (\$150), 1931-34, Two Yellowbirds, \$200,
for Graduate work, 1934-35.

Budget Summary		References
Total amount needed	\$1112	Dr. H. B. Goodrich, Head, Zoology Dept., Woods Hole, Massachusetts
From applicant	100	Dr. L. V. Heilman, Prof. Physiology, University of Pennsylvania
From Fund	\$1000	Dr. H. T. Folger, Head, Zoology Dept., Pitt University
Granted	\$1100	

Documents returned
Sent to Committee FEB 10 1938
Digest

Documents submitted
Plan of Work
Plan of Work (Graduate)
Plan of Work (Undergraduate)
Transcripts
Exhibit material
Photograph

1938
1939
1940
1941 E

Name Alsup, Fred W. (M) (1914)

Negro
White Southerner

Position Head of Science Department, Morristown College
Morristown, Tennessee

Special Field Biology
Group Zoology
General Physiology

College Fisk University, A. B., 1934; M. A., 1936. Marine Biological Laboratory,
Woods Hole, Mass., summer of 1937.

University Ph. D., University of Pennsylvania, 1941.

Plan of Work:

- 1938 Wishes to work on nature of response in animals with special emphasis on amoeba and physiological problems under Dr. L. V. Heilbrunn at the Zoological Laboratory of the University of Pennsylvania. Work to lead to Ph. D. degree.
- 1939 To continue experiments designed to show how the peculiar sensitizing effects of light and current on protoplasm, which I have found, are related to the colloidal properties of cells. To continue studies in physiology.
- 1940 To continue work on colloidal properties of protoplasm; to study changes produced by photodynamic action, at the University of Pennsylvania and the Marine Biological Laboratory, Woods Hole, Massachusetts.

Action of Fellowship Committee: 1941 - Extension to cover thesis deposit.

- 1938 Granted \$1,000 for one year at University of Pennsylvania
- 1939 Granted \$1,000 for continuation of work
- 1940 Granted \$1,000 for continuation of work at University of Pennsylvania and
- 1941 Granted \$100. the Marine Biological Laboratory.

6 Scholarships at Fisk 1931-36

Graduate Assistant at Fisk, 1934-36; head of Science Department at Morristown 1936-

~~Relation between Responses of Amoeba proteus to Alternating Electric Current and Sudden Illumination - Journ. Physiol Zool, January, 1939.~~

Mr. Alsup obtained his Ph. D. Degree at the University of Pennsylvania in June of 1941. Title of dissertation: "The Effects of Light Alone and Photodynamic action on the Relative Viscosity of Amoeba Protoplasm."

2515 S.U. AST *Dept of Zoology*
Howard University
Washington, D. C.



ALSUP, FRED W.

PROFESSIONAL CAREER

During work at University of Pennsylvania was elected to membership in Sigma Xi, and to membership in the Philadelphia Physiological Society.

Appointed instructor in zoology at Howard University, beginning in September, 1941. 8/10/41

Entered Army, September, 1942. Entered Medical College, March, 1944
Medical student under ASTP at Howard University.

February, 1947 Degree in medicine, June, 1947. Will intern at Sydenham Hospital.
Elected member of Honorary Society, Kappa Pi.



✓
yes
\$1,000

FRED W. ALSUP

Graduate student at University of Pennsylvania
Reappointment candidate

Biology

Excellent student - excellent letters
Doing good research

Since he will get P.D. with
excellent achievement in one more
year, I favor renewal.

He has been very modest in his
askings: \$1,000 each year, of
which this renewal would make the 2nd.

yes

ALSUP, FRED W.

PUBLICATIONS

"Relation between Responses of Amoeba proteus to Alternating Electric Current and Sudden Illumination." Jour. Physiol. Zool., January, 1939.

"Social Dynamic Action in the Eggs of Nereis limbata", (abstract) in Biological Bulletin, October, 1939.

"Photodynamic action in the eggs of Nereis limbata". J. Cellular and Comparative Physiology, Vol. 17, No. 1, February, 1941.



RENEWAL

1939 \$1,500 paid

FRED W ALSUP (N)

24

Zoology

Excellent letters from his professors
at Penn.

His asking is modest (\$1,000 the
same as last year)

Maybe he needs a second year
right now to consolidate his work
But how long does this go on?
No evidence of Ph. D. at end of next year

McLean rates him B+

?