

1938  
1939  
1940E

Name Lu Valle, James E. (1912) Negro   
White Southerner

Position Graduate Assistant, California Institute of Technology  
Special Field Physical Chemistry  
Group

College University of California at Los Angeles, B. A., 1936, M. A., 1937;

University California Institute of Technology, 1937- 40 Ph. D. degree June, 1940

Plan of Work:

1938 The determination by theoretical and experimental methods of the resonance energies in conjugated unsaturated organic molecules with special reference to those containing oxygen. Working toward Ph. D. - 2 years. Under auspices of California Institute of Technology.

1939 To continue above investigation.

1940 Grant extended to cover summer study at California Institute of Technology.

Action of Fellowship Committee:

Awarded \$1,500 for one year of work. Renewed for 1939, \$1,500.

1940 - Extension of \$450 granted.

FISK  
UNIVERSITY

Regents scholarship for three years at University of California at L. A.

Teaching assistant, U. C. L. A., 1936-37; graduate assistant, Caltech.

Phi Beta Kappa, Sigma Xi, Pi Mu Epsilon, Phi Lambda Upsilon, captain of track team, U. C. L. A., 1935; member of 1936 Olympic team; president of graduate students, U. C. L. A., 1937.

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Admitted to candidacy for Ph. D. in March, 1939, and will have fulfilled residence requirements in March, 1940. Expects to complete experimental work for thesis by January, 1939. After January he will have his thesis and a three-hour oral examination remaining before receiving doctorate.

Photographs of the Aliphatic Hydrocarbons of the Cyclohexane Series at Elevated Temperatures.  
Journal of Am. Chem. Soc. 57, 372 (1935) with Francis Albert

**FISK**  
  
**UNIVERSITY**

Kodak Park  
Rochester, New York

LU VALLE, JAMES E.

CAREER SINCE TENURE OF FELLOWSHIP

9/25/40 Mr. LuValle accepted a post as instructor in Chemistry at Fisk University, beginning there in September of this year.

6/19/41 Resigned post at Fisk University to accept position in the Research Laboratories of the Eastman Kodak Company, Rochester.

7/1/42 In the summer of 1942 Mr. Lu Valle accepted a post as research assistant in Dr. Franklin McLean's division at the University of Chicago, doing research with poison gas for the U. S. government. R

11/1/42 Mr. LuValle resigned the above post to work with Dr. Linus Pauling at the California Institute of Technology, also in government work.

10/4/45 Research Chemist - Kodak Research Laboratories



LU VALLE, JAMES E.

PUBLICATIONS

Photolysis of the Aliphatic Aldehydes. VII. Crotonaldehyde at Elevated Temperatures.  
Jour. Am. Chem. Soc., 61, 272 (1939) with Francis Blacet

The Molecular Structure of Formaldehyde by the Electron Diffraction Method. D. P.  
Stevenson, J. E. LuValle, and V. Schomaker, Jour. Am. Chem. Soc.,  
61, 2508 (1939). *Title on reference: The Structure of Formaldehyde  
from Electron Diffraction*

The Molecular Structure of Glyoxal and Dimethylglyoxal by the Electron Diffraction  
Method. J. E. LuValle and V. Schomaker. *submitted*

The Molecular Structure of Divinyl Ether by the Electron Diffraction Method.  
J. E. LuValle and V. Schomaker. *in preparation*

Doctoral thesis published in Jour. Am. Chem. Soc., 61, 3520 - *title?*



Extension  
of #450

JAMES ELLIS LUVALLE

27 1940

Reappointment

Rosenwald Fellow in Chemistry  
California Institute of Technology

Chemistry

Top man  
But I believe we have done  
enough for him



RENEWAL

JAMES E. LU VALLE (N) 26

\$ 1500 granted 1939

Physical chemistry

A fledgling man in full flight  
toward his Ph. D. There will  
be no trouble in placing him  
since he has his degree. I  
think we should see him  
through.

He is single and young (though)  
where he supports his mother.  
He should not need more than  
Floyd and I think \$1,000 (rather  
than the \$1,500 he had this year and  
requests for next year) may be enough

yes

**FISK**  
  
UNIVERSITY

Candidate James Ellis LaValle

Special Field Physical Chemistry

Graduate Assistant, California Institute of Technology Pasadena, California

Plan of Work

The determination by theoretical and experimental methods of the resonance energies in conjugated unsaturated organic molecules with special reference to those containing oxygen.

Wishes to obtain Ph. D. at California Institute of Technology, working under Dr. Linus Pauling, June 1938 to June 1940. Wants to teach or do research work in a college or university.

Digest of Application

Born in San Antonio Texas, November 10, 1912.

B. A. from University of California at Los Angeles, 1936; M. A. from same institution in 1937.

Captain of track team, 1936 Olympic team. Has worked as laboratory assistant, teaching assistant, and as watchman during college work. Member Phi Beta Kappa, Sigma Xi, Pi Mu Epsilon, Phi Lambda Upsilon.

Research Work: Photochemical decomposition of crotonaldehyde at elevated temperatures. This is now in process of publication.

Scholarships: Regents Scholarship, 1934, 1935, 1936 \$200 a year Teaching Assistant, U.C.L.A. 1936-37 Graduate Assistant, California Institute (at present) \$300 and tuition

References

Budget Summary

- W. C. Morgan, Chairman Department of Chemistry, U of California at L.A.
F. E. Blacet, Asst. Professor of Chem.
Dr. Linus Pauling, Chairman, Division of Chemistry California Inst. of Technology
Dr. Don M. Yost, Professor of Chemistry
Committee Notes

Table with Budget Summary: Total amount needed \$1,500; From applicant; From Fund \$1,500; Granted \$1,500

ok

Documents submitted

- Photograph x
Exhibit material
Transcripts
Univ. of Cal. at L. A.
Univ. of Cal. at L. A. (grad)
Plan of work x

Digest

Sent to Committee FEB 16 1938
Documents returned



JULIUS ROSENWALD FUND

(RENEWAL)

Candidate James Ellis LuValle

Special Field Physical Chemistry

Graduate Assistant, California Institute of Technology  
2195 West 27th Street, Los Angeles

Plan of Work

Determination by theoretical and experimental methods of the resonance energies in conjugated unsaturated organic molecules with special reference to those containing oxygen.

Expects to receive Ph.D. June, 1940.

*All requirements have been met except thesis, which will be done by Dec. of 1939*

Digest of Application

Born November, 1912, San Antonio, Texas

A. B. University of California at Los Angeles, 1936. M. A. same, 1937. California Institute of Technology, 1937 -.

Regents Scholarship, 1935-36, \$200 each year; teaching assistant, U.C.L.A. 1936-37, \$400; graduate assistant, California Institute, 1937-38, \$300 and tuition; Rosenwald Fellow, 1938-39, \$1500.

References

Dr. Linus Pauling, California Institute of Technology  
Dr. V. F. H. Schomaker, California Institute of Technology

Budget Summary

Total amount needed	\$ 1500
From applicant	---
From Fund	\$ 1500
Granted	\$ 1500

Committee Notes

Documents submitted

- Photograph
- Exhibit material
- Transcripts

Plan of work

Digest

Sent to Committee

Documents returned

