

# JULIUS ROSENWALD FUND

4901 ELLIS AVENUE

CHICAGO

Application and accompanying documents should be filed as early as possible for the convenience of the Fellowship Committee, preferably during the early autumn. No application can be considered by the Committee unless the completely filled-out blank and all of the materials requested reach the Director for Fellowships by January 10.

Negro

White Southerner

Specific Field Physical Chemistry (Molecular Structure)

Concise statement of plan of work Determination by theoretical and experimental methods of the resonance energies in conjugated unsaturated organic molecules with special reference to these containing oxygen.

Name in full James Ellis Lu Valle

*1938 fellow*

Present address California Institute of Technology, Pasadena, California  
City State

Permanent address 2195 West 27th Street, Los Angeles, California  
City State

Present position (be specific) Rosenwald Fellow

Institution or organization California Institute of Technology Annual salary \$1500

Address Pasadena, California  
City State

Place of birth San Antonio, Texas Date of birth November 10, 1912

Single, married, widowed, divorced Single

Name and address of wife or husband \_\_\_\_\_

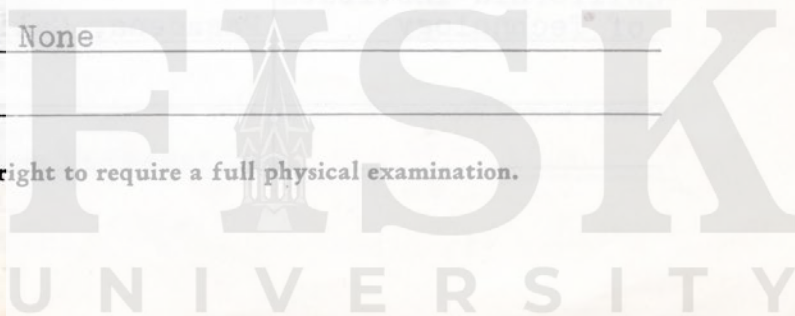
Occupation and salary of wife or husband \_\_\_\_\_

Number and age of children \_\_\_\_\_

Dependents Mrs. I.E. Lu Valle to what extent? Total Relationship Mother

Have you any constitutional disorder or physical disability? None

The Committee on Fellowships reserves the right to require a full physical examination.



**Education**

One official transcript of your college and university records together with four copies must be submitted with your application. (Copies may be typed by the applicant.)

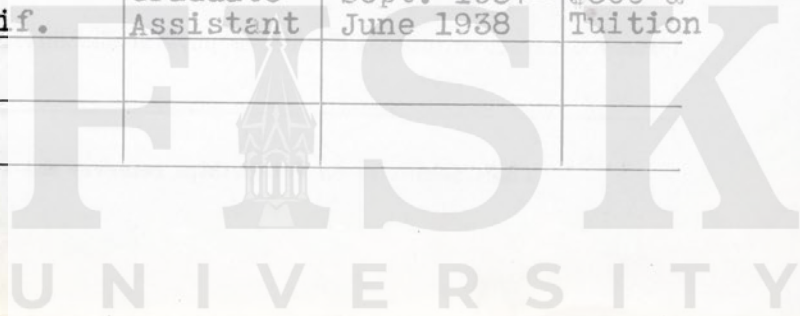
	Name of Institution	Period of Study (Give dates)	Degrees, Diplomas, Certificates (Give dates)
College			
University	University of California at Los Angeles	Feb. 1932-June 1936	B.A. June 1936
	University of California at Los Angeles	Sept. 1936- Aug. 1937	M.A. Aug. 1937
Professional or technical			
Special study			

Significant extra-curricular activities Athletics, University Religious Conference, Student Council, President Blue Key, Captain Track Team, Member Olympic Team, 1936

**Experience**

Give record chronologically. Applicants now in school should include all part-time work they have done.

Institution or Organization	Address	Position	Inclusive Dates	Salary
University of Cali- fornia at Los Angeles	Los Angeles	Lab. Ass't	Sept. 1933- June 1936	\$500-\$600
		Teaching Assistant	Sept. 1936- June 1937	\$400
		Watchman	Sept. 1936- June 1937	\$400
California Institute of Technology	Pasadena, Calif.	Graduate Assistant	Sept. 1937- June 1938	\$300 & Tuition



**Budget Estimate**

Room and board \_\_\_\_\_ \$600 (12 months)

Clothing \_\_\_\_\_ 100

Insurance \_\_\_\_\_ 140

Tuition \_\_\_\_\_ 300

Transportation \_\_\_\_\_ 160

Miscellaneous \_\_\_\_\_ 200

\_\_\_\_\_ \$ \_\_\_\_\_

Total amount needed \_\_\_\_\_ \$1500

Amount applicant can provide \_\_\_\_\_

Amount requested from Fund \_\_\_\_\_ \$1500

Attach a recent  
photograph here

**Accomplishments**

1. Of what learned, scientific, or artistic societies are you a member? Phi Beta Kappa, Sigma Xi,  
Pi Mu Epsilon, Phi Lambda Upsilon

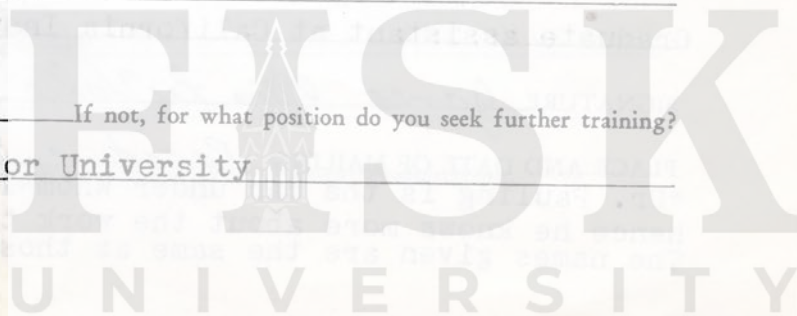
2. What research or creative work have you done? (If in business or a profession, give evidence of standing and achievements.)  
Photochemical Decomposition of Crotonaldehyde at Elevated  
Temperatures

3. Publications Above work in hands of Editor of the Journal of the American  
Chemical Society.

4. List scholarships or fellowships you have previously held or now hold, stating in each case the places and periods of tenure, the studies pursued during your incumbency, and the amounts of the stipends.  
Regents Scholarship 1933-34, 1934-35, 1935-36 \$200 year  
Teaching assistant U.C.L.A. 1936-37 \$400 year  
Graduate Assistant California Institute 1937-38 \$300 and tuition  
Rosenwald Fellow California Institute 1938-39 \$1500

**Plans for Work**

1. Will you return to your present position? \_\_\_\_\_ If not, for what position do you seek further training?  
Teaching and Research in College or University



2. What institution do you wish to attend? California Institute of Technology
3. Have you been admitted? Yes
4. For what degree are you working? Ph.D. Field? Chemistry
5. Under whose supervision will you work? Dr. Linus Pauling
6. If you are not planning to study at an institution, indicate the type of special work you propose to do.
7. When do you wish to begin the study or project proposed? June 1939 (Continuation of present work
8. What is your estimate of its probable duration? June 1938 to June 1940

### Statement of Plan of Work

Submit a statement giving detailed plans for your work during the tenure of your fellowship. This statement should include: (1) a full description of the project, including its character and scope, and the significance of its presumable contribution; (2) the present state of the project (time of commencement, progress to date, etc.) and expectation as to completion; (3) the proposed university, institution of similar grade, or other place where the work would be carried on, and the authorities with whom the work would be done; (4) your expectation as to publication or use of the results of your study; (5) subsequent plans for your career.

Your plan of work should be complete and carefully prepared. Submit six copies typed on 8½" x 11" paper. Your name should be on each sheet.

### References

List references from whom confidential information may be obtained concerning your professional qualifications and from whom expert opinion may be obtained as to the value and practicability of your proposed plan of work.

Name of Reference	Position	Address
Dr. Linus Pauling*	Chairman Division of Chemistry	California Institute of Technology, Pasadena, Calif.
Dr. Don M. Yost	Professor of Chemistry	California Institute of Technology, Pasadena, Calif.
Dr. W. C. Morgan	Chairman Dept. of Chemistry	University of California at Los Angeles
Dr. F. E. Blacet	Professor of Chemistry	University of California at Los Angeles
<i>was Dr. Schomaker</i>		

If you have applied or expect to apply elsewhere for any fellowship for the same period, state the facts regarding such application.

Graduate assistant at California Institute of Technology (Will apply)

SIGNATURE James Ellis LeValle

PLACE AND DATE OF MAILING Pasadena, Calif. Nov. 15, 1938

\*Dr. Pauling is the man under whom I have worked on the present grant, hence he knows more about the work than any of the other references. The names given are the same as those given last year.