

Brought in 1/8

JULIUS ROSENWALD FUND
4901 ELLIS AVENUE
CHICAGO 15

Application and accompanying documents should be filed as early as possible for the convenience of the Committee on Fellowships, 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 1, 1947.

Negro

White Southerner

Name in full..... CLYDE RUFFIN DILLARD

Present address..... 11 E. 56th St. Chicago, Illinois
City State

Permanent address..... 11 E. 56th St. Chicago, Illinois
City State

Present position (be specific)..... Research Assistant in Chemistry

Institution or organization University of Chicago Annual salary \$ 3200

Address Chicago Illinois
City State

Specific Field..... ~~INORGANIC~~ CHEMISTRY

Concise statement of plan of work Research on boron hydrides which will include:

- (1) Studies of the thermal reactions of the boranes and of mixtures of the boranes;
- (2) Development of new methods of preparing boron hydrides;
- (3) Application of quantum mechanical methods to reaction rate studies of the boron hydrides to obtain information about the structure of these compounds.

Dates of period for which grant is desired..... September 1947... to September 1948

What is your estimate of the total duration of the proposed project?..... One Year

Will you return to your present position?.. No. If not, for what position do you seek further training?

..... A teaching position on the collegiate level

If you contemplate graduate study, please fill in the following:

What institution do you wish to attend?..... University of Chicago

Have you been admitted?... Yes

For what degree will you work?.. Doctor of Philosophy

Under whose supervision?.. Prof. H. I. Schlesinger

Department of Chemistry



Personal History

Place of birth.....Norfolk, Virginia.....Date of birth.....April 17, 1920.....

Single, married, widowed, divorced.....Single.....

Name and address of wife or husband.....

Occupation and salary of wife or husband.....

Number and ages of children.....

Dependents.....one.....To what extent?.....wholly..... Relationship.....mother.....

Have you any constitutional disorder or physical disability?.....No.....

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

Draft status...II-A...Deferred classification as science student.....

Education

One official transcript of your college and university records together with five 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)
Undergraduate	Virginia Union University	1937 - 1940	B.S. (1940)
Graduate	University of Chicago	1940 - present	--
Professional or technical			
Special study			

Significant extracurricular activities.....Undergraduate-.....university football.....and tennis.....dramatics, choral society.....
.....Graduate-.....Physical Chemistry Seminar.....



C. Dillard

PUBLICATIONS:

I am an author of the following articles which will be published in May 1947 in the Plutonium Project Record Vol. 9B., "Collected Papers on RadioChemistry". (See also the Journal of The American Chemical Society, vol.68, 2411, 1946)

As senior author in collaboration with R. Adams, H. Finston, and A. Turkevich;

"Half Lives of some Krypton and Xenon Activities"

"Determination of Gas Half Lives by the Charged Wire Method"

"Fission Yield of Twenty Minute Yttrium"

"Half Life of Barium-139"

"Rapid Determination of Yttrium Activity in Fission"

As co-author with S. Katcoff, H. Finston, B. Finkle, J. Seiler, and N. Sugarman;

"Characteristics of 6.7 Hour Iodine-135 II."

"The Quantitative Isolation of Fission Iodine from Uranium Metal"

Experience

Give record chronologically.

Institution or Organization	Address	Position	Inclusive Dates	Annual Salary
Univ. of Chicago	Chicago, Ill.	Research Chemist	Jan. 1942 to Aug. 1943	\$ 2100
Metallurgical Laboratory (Manhattan Project)	Chicago, Ill.	Chemist	Aug. 1943 to Jan. 1945	\$ 3000
Univ. of Chicago	Chicago, Ill.	Chemist	Jan. 1945 to present	\$ 3200
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Accomplishments

1. Of what learned, scientific, or artistic societies are you a member? American Association for the Advancement of Science, American Chemical Society, Sigma Xi Research Society.

2. What research or creative work have you done? (If in business or a profession, give evidence of standing and achievements.) Graduate research in inorganic chemistry. Confidential research on chemical warfare agents - N.D.R.C. Project set Research in radiochemistry on Manhattan Project. Research on fuels and propellants for Naval Research Laboratory.

3. Publications (Books and articles. Give title, date, and publisher.) See Attached Sheet.

4. List scholarships or fellowships you have previously held or now hold, stating in each case the place and period of tenure, the studies pursued during your incumbency, and the amount of the stipend.



Budget Estimate

Room and board..... \$. 850.00.
 Clothing 300.....
 Insurance 200.....
 Tuitionand fees..... 700.....
 Transportation
 Miscellaneous 500.....
 Support of mother..... \$. 600.....

(Are you eligible for GI Bill benefits?)

Yes..... No...^{no}.....

Total amount needed \$ 3150.....
 Amount applicant can provide \$ 1650.....
 Amount requested from Fund \$ 1500.....

If you have applied or expect to apply elsewhere for any fellowship for the same period (which is, of course, permissible), state the facts regarding such application.

References

List references, preferably five, 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. H. I. Schlesinger	Prof. of Chemistry	Department of Chemistry University of Chicago
✓ Dr. Anthony Turkevich	Prof. of Chemistry	Dept. of Chemistry Univ. of Chicago Chicago, Ill.
✓ Dr. C. D. Coryell	Prof. of Chemistry	Massachusetts Inst. of Technology - Cambridge, Mass.
✓ Dr. Robert Livingston	Prof. of Chemistry	Dept. of Chemistry University of Minnesota St. Paul, Minn.
✓ Dr. Anton B. Burg	Prof. of Chemistry	Dept. of Chemistry Univ. of Southern California Los Angeles, Cal.

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, scope, and significance; (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 work would be carried on, and the authorities with whom it 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 carefully prepared. Submit *eight copies* typed on 8½" x 11" paper. Your name should be on each sheet.

Please enclose with this application six passport-size photographs.

SIGNATURE

Clayde R. Willard

