

SCHOLARSHIP

Julius Rosenwald Fund

4901 ELLIS AVENUE

CHICAGO

APPLICATION FOR FELLOWSHIP IN Chemistry

PERSONAL HISTORY

Date Jan 4, 1937

Name in full Charles Edward Weir

Present address 1826 Vernon St., N.W. Wash., D.C. Telephone

Permanent address 1826 Vernon Street N.W., Washington, D.C.

Present occupation Assistant in Chemistry Salary \$1,200.00

Place of birth Washington, D.C. Date of birth Sept. 29, 1911

Married Yes Single Divorced Date of Marriage Mar. 25, 1932

Name and address of wife or husband Arie M. Weir 1826 Vernon St., N.W. Wash., D.C.

Occupation and salary of wife or husband None

Number of children (give ages and sex) One, male, four years of age

Dependents To what extent Relationship

Father's name Raymond J. Weir Address 917 Euclid St., Wash., D.C. Occupation Gov't clerk

HEALTH OF APPLICANT

Weight 137 pounds Height 68 inches Previous Illnesses None
(Give details and dates)

Physical impairment—degree and duration Only impairment is one of vision which is corrected by the use of glasses



EDUCATION

	Institution	Dates From To	Degree or Diploma (give dates)
High School.....	Dunbar High, Wash., D.C.	Sept 1924 June '28	June 1928 (Diploma)
Normal School.....			
College.....	Univ of Chicago	Oct '28 Mar '32	B.S.
Nurses' Training.....			
Medical School.....			
Postgraduate Study.....	Howard Univ.	Oct '32 June '34	M.S.

EXPERIENCE

(Medical graduates will please list internships, residence service and other hospital or professional experience. Students will include part-time work and hours per day.)

Institution or Organization	Address	Position	Under Direction of	Salary
Howard Univ.	Washington, D.C.	Grad. Ass.	J. S. Shereshefsky	Tuition
Howard Univ	Washington, D.C.	Ass. in Chem	J. L. Sherer	\$1200

REFERENCES

Name	Address	When and in what capacity has this person known you?
1/11/37 Mosesai Johnson	Pres. Howard Univ. Wash, DC.	Personally and as superior 1932-'37
E. P. Davis	Dean of Liberal Arts Howard Univ., Wash., D.C.	Personally and as superior 1932-'37
J. L. Shereshefsky	Chairman, Dept of Chem Howard Univ., Wash., D.C.	Superior, personally and as teacher 1932-'37
R. A. Millikan	Director of Research California Institute of Techn.	Thru a personal interview 1936
H. Schlesinger	Chairman Dept of Chem Univ. of Chicago	As teacher 1928-32



ESTIMATED EXPENSE FOR PERIOD OF STUDY BEGINNING Oct. 1937 ENDING Oct. 1938

Room $\$40 \times 12 = \480
Board $\$40 \times 12 = \480
Laundry $\$60 = \5×12
Clothing $\$100$
Insurance $\$60 = 12 \times \5

Tuition $\$300 = 3 \times \100
Books $\$50$
Transportation $\$100$

Total \$ 1630

How much can you provide? Nothing

Amount requested from Julius Rosenwald Fund \$1630

For what position do you seek further training? Assistant Professor

What course of study do you wish to take? Study of Quantum Mechanics

For what degree are you working? Doctor of Philosophy

In what institution do you wish to study? The California Institute of Technology

Under whose supervision? Dr. Linus Pauling and R. A. Millikan

Have your credits been accepted by this institution? Yes

Give a list of scholarships or fellowships which you have held or now hold: Three half year tuition scholarships at the University of Chicago. Two fellowships for a full year period at Howard University. These awards had no specific title.

NOTE:

1. Please attach small photograph or snapshot, writing your name on the back.
2. Arrange with your superior to send us a letter stating that you may return to your position at the conclusion of the term of study requested
3. Submit evidence of admission to the school where you wish to study unless you are attending that school at the time of application.
4. Application must be mailed to the Director for Medical Services, Julius Rosenwald Fund, 4901 Ellis Avenue, Chicago.



MEDICAL RECORD

Date Jan 1-36

Name Charles Edward Warr Age 26 yrs

Occupation Teacher

Weight 131 3/4 lbs Height 67 inches

Family history No
(Tuberculosis, insanity, epilepsy, syphilis, etc.)

Past illnesses Normal health

Present Physical findings: Normal health

Recommendations: (Normal Health)

Hamilton Mearns M.D.
1740 W. Oak St.
(address)

(OVER)



Write (in your own handwriting) an essay of not more than three hundred words, stating the major problem in your field as you see it, and your reason for believing that additional training will enable you to help solve that problem, or at least to make a contribution as a result of wider experience. Please restrict essay to pages five and six.

In recent years the remarkable strides made in the physical sciences can be almost exclusively attributed to the development of the quantum mechanics. While much progress has already been made the surface has literally merely been scratched since very little attention has been given to the application of the principles involved to the field of chemistry. Within the past two years a new field of investigation has been opened with the discovery of neutrons and their application to nuclear transformations. While actually developing from the quantum mechanics this new field is in effect separate and intensely interesting although at present far removed from ordinary chemists.

In this country the California Institute of Technology is outstanding both for original investigation and for staff of instruction in the fields of nuclear chemistry and quantum mechanics. At that institution are many men of recognized ability in these fields as well as one, Dr. Linus Pauling, who is intensely interested in specific applications of the principles both from experimental and theoretical viewpoints to the field of chemistry.

It is my desire to study the quantum mechanics and nuclear chemistry at this institution in order to make application of the principles to field of pure chemistry in several investigations which have previously suggested themselves but which I am at present unable to undertake because of lack of training in the quantum mechanics.