

JULIUS ROSENWALD FUND
4901 ELLIS AVENUE
CHICAGO 15

a¹²/₂₄
Digest 1939
1940
1941

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... Louis Phillip Clark
Present address... Naval Air Experimental Station
U. S. Naval Base Station Philadelphia 12 Pennsylvania
City State
Permanent address... 513 N. 56th Street Philadelphia 31 Pennsylvania
City State
Present position (be specific) Research Physicist - Head of Vibration and Flutter Section
Institution or organization Naval Air Experimental Sta. Annual salary... \$5152.80
Address Naval Air Material Center, U.S. Naval Base Station, Philadelphia 12, Pa.
City State

Specific Field... ~~Aeronautics~~ Physics
Concise statement of plan of work To study the methods and techniques employed in conducting aeroelastic instability investigations at several aircraft research organizations in Great Britain.

Dates of period for which grant is desired... June ~~May, 1947 - Nov, 1947~~ (Project was started Oct. 1946)

What is your estimate of the total duration of the proposed project? One (1) year.

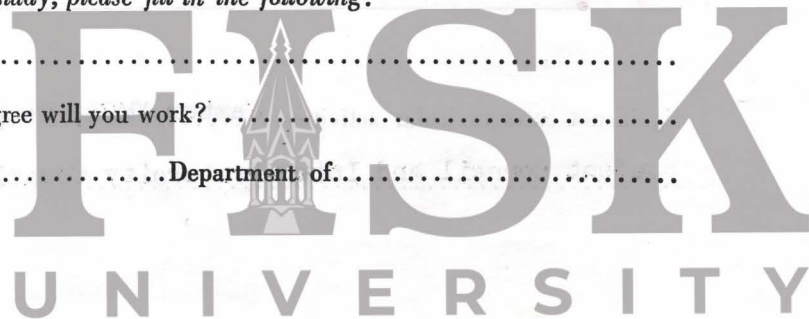
Will you return to your present position? Yes If not, for what position do you seek further training?

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

What institution do you wish to attend?

Have you been admitted? For what degree will you work?

Under whose supervision? Department of.....



Personal History

Place of birth. Thomasville, Ga......Date of birth. August 3, 1913.....

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

Name and address of wife or husband...Ida L. Clark, 513 N. 56th St., Philadelphia 31, Pa......

Occupation and salary of wife or husband. Social Worker - Not Gainfully Employed.....

Number and ages of children. One (1) son - Five (5) years old.....

Dependents...Two (2).....To what extent?Totally..... Relationship...Wife and son.....

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

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

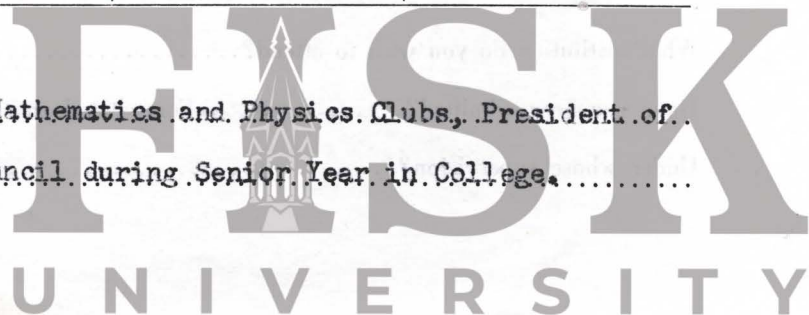
Draft status...Classified 4-A.....

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	<u>Fisk University</u>	<u>1929 - 1933</u>	<u>A.B. (Math) - 1933</u>
	<u>Fisk University</u>	<u>1933 - 1934</u>	
Graduate	<u>University of Michigan</u>	<u>1937 - 1938</u>	<u>M.S. (Physics) - 1938</u>
	<u>University of Michigan</u>	<u>Summer, 1938, 1939</u>	
Professional or technical	<u>University of Michigan</u>	<u>1940-1941</u>	
Special study			

Significant extracurricular activities...Member YMCA, Mathematics and Physics Clubs, President of Student Council and Inter-Fraternity Council during Senior Year in College......



3. PUBLICATIONS:

List of Reports Prepared by L. P. Clark at the Naval Air Experimental Station

- I. Model SNC-1 Airplane Wing Flutter Analysis - May, 1942.
- II. Model PHN-1 Airplane Flutter Analysis - Oct., 1942; March 1943.
- III. Flutter Analysis Procedures for Parallel and Perpendicular Axes Control Surface Binary Flutter Modes - Nov. 1942.
- IV. Cambridge Accelerometer and Air Speed Recorder - June, 1943.
- V. Load Calculations for Special Static Test of Model TDR-1 Airplane Outer Panel - May, 1944.
- VI. Vibration Survey of the Model PBJ-1 Airplane - May, 1944.
- VII. Model TDN-1 Airplane Tail Flutter Investigation - June, 1944.
- VIII. Vibration Survey of the Model F4U-1D Airplane - April, 1945.
- IX. Ground Vibration Tests of the Model TBY-2 Airplane - July, 1945.
- X. Flight Vibration Surveys of the Models PB4Y-1, PB4Y-2, and PBM-5 Airplanes - August, 1945.
- XI. Ground Vibration Tests of the Models TBF-1, TBM-1, and TBM-4 Airplanes - Feb. 1946.
- XII. Vibration Survey of the Model FR-1 Airplane - February, 1946.
- XIII. Vibration Investigation of the Model XOSE-1 Airplane - March, 1946.
- XIV. Vibration Survey of the Model F8F-1 Airplane - April, 1946.
- XV. Ground Vibration Survey of the Model F7F-3 Airplane - June, 1946.
- XVI. Vibration and Flutter Investigation of the Model SNJ-5 Airplane Empennage with Lucite Trailing Edges - September, 1946.
- XVII. Model F6F-3 and -5 Airplane Stabilizer Dynamic Tests - October, 1946.

Experience

Give record chronologically.

Institution or Organization	Address	Position	Inclusive Dates	Annual Salary
Fisk University	Nashville, Tennessee	Grad. Student & Research Asst.	1933-1935	\$300.00 - \$500.00
Fisk University	Nashville, Tennessee	Instructor in Physics	1938-1940	\$1000.00 and living expenses \$3200.00 start
Naval Air Experimental Station (Bureau of Aeronautics, Navy Dept.)	Philadelphia 12, Pa.	Physicist	1941 to date	\$5152.80 present

Accomplishments

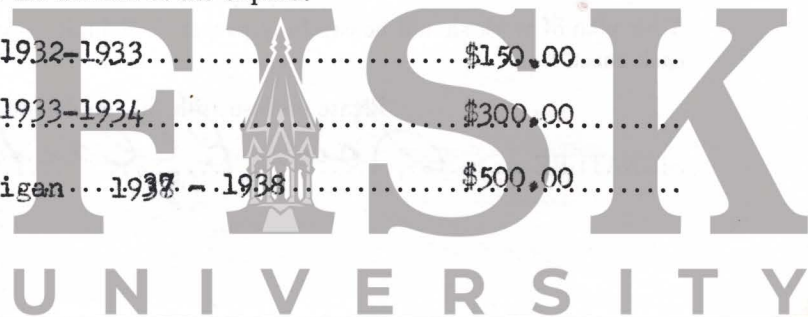
1. Of what learned, scientific, or artistic societies are you a member? Franklin Institute, Institute of Aeronautical Sciences, Physics Club of Phila; accepted for membership in American Physical Society, and Mathematical Association of America.

2. What research or creative work have you done? (If in business or a profession, give evidence of standing and achievements.) Outlined and directed research and development programs employed in solving vibration and flutter problems encountered in naval airplanes. Invited to present paper on "Flutter Investigations in Aircraft" before Philadelphia Section of Inst. of Aero. Sciences. Give periodic lectures on "Vibration and Flutter" for selected groups of U.S. Naval Academy graduates on tour of duty at the Naval Air Material Center.

3. Publications (Books and articles. Give title, date, and publisher.)
All publications are Navy Department, Bureau of Aeronautics, Reports which have been issued by the Naval Air Experimental Station, Naval Air Material Center, Philadelphia 12, Pa. A list of such reports is given on the 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.

Scholarship at Fisk University	1932-1933	\$150.00
Fellowship at Fisk University	1933-1934	\$300.00
Fellowship to study at University of Michigan	1937 - 1938	\$500.00



Budget Estimate

Room and board..... \$ 800.00
 Clothing
 Insurance
 Tuition
 Transportation 1000.00
 Miscellaneous 600.00
 \$.....

(Are you eligible for GI Bill benefits?)
 Yes..... No........

Total amount needed \$ 2400.00...
 Amount applicant can provide \$.....
 Amount requested from Fund \$ 2400.00...

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. M. A. Biot	University Professor Applied Physical Sciences	Graduate Div. of Applied Math. Brown University Providence, R. I.
✓ Dr. Emerson W. Conlon	University Professor Head, Aero. Engr. Dept.	Dept. of Aeronautical Engring. University of Michigan Ann Arbor, Michigan
✓ Dr. F. C. Jonah	Project Engr. in charge of Naval Aircraft Re- search & Development	Engr. Dept. Chance-Vought Div., United Aircraft Corp., Stratford, Conn., N.Y.
✓ Dr. R. F. Ries	Chief of Structures Engineering Department	Engineering Department Edo Aircraft Corp. College Point, L.I., N.Y.
Dr. Charles S. Johnson	Sociologist and University President	President, Fisk University, Nashville, Tenn.
✓ Mr. J. S. Kean <i>address on letter 12/20/46</i>	Head Engineer Aeronautical Struct- ures laboratory	Phila 12

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 8 1/2" x 11" paper. Your name should be on each sheet.

Please enclose with this application six passport-size photographs.

SIGNATURE *Louis P. Clark*

