

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 <input type="checkbox"/>	White Southerner <input checked="" type="checkbox"/>
Specific Field	<u>Mathematics</u>
Concise statement of plan of work <u>To effect a greater Harmony between the</u> <u>Mathematical training in the high schools and colleges of the</u> <u>South, to encourage the study of higher mathematics in the South,</u> <u>and to aid in the establishment of centers of mathematical research</u> <u>in the South. (wishes to make part of study abroad)</u>	

Name in full Walter Edwin Sewell

Present address Georgia School of Technology, Atlanta, Georgia
City State

Permanent address % Dr. T. W. Sewell, Newnan, Georgia
City State

Present position (be specific) Assistant Prof. of Mathematics

Institution or organization Georgia School of Technology Annual salary \$2300

Address Georgia School of Technology, Atlanta, Georgia
City State

Place of birth Newnan, Georgia Date of birth Oct. 31, 1904

Single, married, widowed, divorced Single

Name and address of wife or husband -----

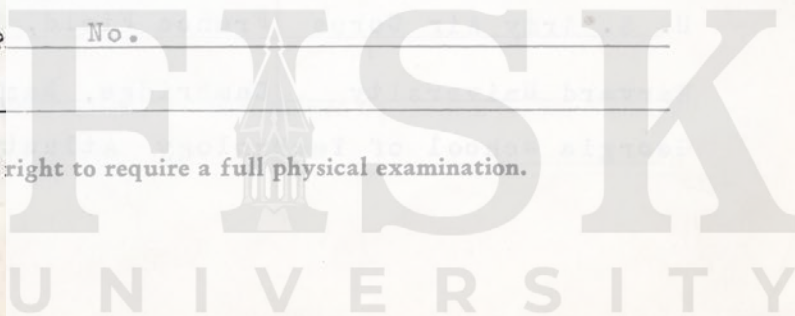
Occupation and salary of wife or husband -----

Number and age of children -----

Dependents ----- To what extent? ----- Relationship -----

Have you any constitutional disorder or physical disability? No.

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 of Georgia	1921-1927	A.B. (1925)
			B.S. in C.E. (1926)
University			M.A. in (1927)
	Harvard University	1931-1936	M.A. in (1932)
Professional or technical			Ph. D. in (1936)
Special study			

Significant extra-curricular activities.

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 Georgia	Athens, Ga.	Instr. in Math	(1925-27)	\$1200 (Pt. Time)
United Fruit Co.	Santa Marta, Columbia	Civil Eng.	1927-28	\$1800
Cherequi Hand Co.	Puerto Armuelles, Panama	Civil Eng.	1929-31	\$2400
U. S. Army Air Corps	France Field, C. Z.	" "	1931	\$2400
Harvard University	Cambridge, Mass.	Instr. in Math.	1934-36	\$1100 (Pt. Time)
Georgia School of Technology	Atlanta, Ga.	Asst. Prof.	1936-date	\$2300

Budget Estimate

Room and board _____ \$ 1200

Clothing _____ 150

Insurance _____ 350

Tuition _____

Transportation _____ 650

Miscellaneous _____ 200

_____ \$

Total amount needed \$ 2550

Amount applicant can provide _____ 250

Amount requested from Fund \$ 2300

Accomplishments

1. Of what learned, scientific, or artistic societies are you a member? American Mathematical Society,
Mathematical Association of America, Phi Beta Kappa, Phi Kappa Phi,

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

I have done research in mathematical analysis and written
a textbook on algebra.

3. Publications See attached sheet.

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.

Shattuck Scholarship, Harvard University, 1933-34,
graduate mathematics, \$500.

Plans for Work

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



Publications: Book - REVIEW COURSE IN ALGEBRA, D. C. Heath & Co., 1938. (Adopted by the Georgia State Board of Education, and also by the Department of Mathematics, Georgia School of Technology for review of high school Algebra.)

Papers - GENERALIZED DERIVATIVES AND APPROXIMATION, Proc. Nat. Acad. Sci., vol. 21 (1935), pp. 255-258.

DEGREE OF APPROXIMATION BY POLYNOMIALS TO CONTINUOUS FUNCTIONS, Bull. Amer. Math. Soc., vol. 41 (1935), pp. 111-117.

ON THE MODULUS OF THE DERIVATIVE OF A POLYNOMIAL, Bull. Amer. Math. Soc., vol. 42 (1936), pp. 699-701.

GENERALIZED DERIVATIVES AND APPROXIMATION BY POLYNOMIALS, Trans. Amer. Math. Soc., vol. 41 (1937). pp 84-123.

NOTE ON THE RELATION BETWEEN INTEGRAL AND TCHEBYCHEFF APPROXIMATION BY POLYNOMIALS IN THE COMPLEX DOMAIN, Bull. Amer. Math. Soc., vol. 43 (1937), pp. 425-431.

DEGREE OF APPROXIMATION BY POLYNOMIALS -- Problem A Proc. Nat. Acad. Sci., Vol. 23 (1937), pp. 491-493.

NOTE ON THE FABER COEFFICIENTS OF A CONTINUOUS FUNCTION, Revista de Ciencias, vol. 39 (1937), pp. 79-82.

ON THE POLYNOMIAL DERIVATIVE CONSTANT FOR AN ELLIPSE, Amer. Math. Monthly, vol. 44 (1937), pp. 577-578.

THE DERIVATIVE OF A POLYNOMIAL ON VARIOUS ARCS OF THE COMPLEX DOMAIN, Nat. Math. Magazine, vol. 12 (1938), pp. 167-170.

NOTE ON THE RELATION BETWEEN LIPSCHITZ CONDITIONS AND DEGREE OF POLYNOMIAL APPROXIMATION, Tohoku Math. Jour., vol. 44 (1938), pp. 347-350.

DEGREE OF APPROXIMATION BY POLYNOMIALS IN Z AND $1/Z$ Duke Math. Jour., vol. 4 (1938), pp. 393-400.

Co-Authors: NOTE ON DEGREE OF APPROXIMATION TO AN INTEGRAL BY RIEMANN SUMS, Amer. Math. Monthly, vol. 44. (1937), pp. 155-160.

NOTE ON THE RELATION BETWEEN CONTINUITY AND DEGREE OF POLYNOMIAL APPROXIMATION IN THE COMPLEX DOMAIN, Bull. Amer. Math. Soc., vol. 439 (1937), pp. 557-563.

EXISTENCE THEOREMS FOR SOLUTIONS OF DIFFERENTIAL EQUATIONS OF NON-INTEGRAL ORDER, Bull. Amer. Math. Soc., vol. 44 (1938). pp. 100-107.

See Plan for Work

Field? Mathematics

See Plan For Work

stitution, indicate the type of special work you propose to do.

relation between high school and collegiate Mathematics

project proposed? June 1939.

ation? One year.

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 8 1/2" 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
M. L. Brittain	President	Georgia School of Technology Atlanta, Ga.
D. M. Smith	Head, Dept. of Math.	Ga. Tech, Atlanta, Ga.
J. L. Walsh	Prof. of Math.	Harvard University, Cambridge Mass.
M. E. Thompson	Asst. Supt of Educ. State of Ga.	State Capitol, Atlanta, Ga.
Henry A. Robinson	Prof. of Math.	Agnes Scott College Decature, Ga.

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

I have applied for a Guggenheim Fellowship and an American Field Service Fellowship

SIGNATURE W. Sewell

PLACE AND DATE OF MAILING Atlanta, Ga.

