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Washington University School of Medicine

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Robert E. Shank Papers

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WASHINGTON UNIVERSITY



SCHOOL OF MEDICINE

OFFICE OF THE DEAN

660 SOUTH EUCLID AVENUE  
ST. LOUIS, MISSOURI 63110

June 14, 1968

MEMORANDUM

TO : Miss Dolly Schultz, Supervisor of Funds Accounting, Washington University  
FROM : M. Kenton King, M.D., Dean  
SUBJECT: Markle Foundation(Scholar Morrison) - Fund 3235 42323

As you know from correspondence in your file for this fund, Dr. Shank, Head of the Department of Preventive Medicine and Public Health, wrote on June 23, 1967 to Mr. John M. Russell of The John and Mary R. Markle Foundation, asking for confirmation in writing that the balance in Dr. Morrison's Markle Foundation fund would not revert. On June 26, Miss Dunlap in Mr. Russell's office responded stating:

"The understanding about Markle Scholars is that all administrative details are in the hands of the institution receiving the grant. It is perfectly satisfactory to us for reasonable accumulated balances to be carried forward and expended within a reasonable time after the expiration of the grant."

I understand that in a subsequent telephone conversation Dr. Morrison was told by Mr. Russell that "a reasonable time" would not be limited to one year. In view of this, we ask that Fund 3235 42323 be permitted to remain open until Dr. Morrison can clear payroll and other commitments. The department has agreed to do this as soon as possible.

cc: Dr. Shank, Head of the Dept. of Preventive Medicine and Public Health

WASHINGTON  UNIVERSITY

SCHOOL OF MEDICINE

OFFICE OF THE DEAN

660 SOUTH EUCLID AVENUE  
ST. LOUIS, MISSOURI 63110

October 18, 1967

TO: Heads of Departments  
FROM: Dr. M. Kenton King, Dean  
SUBJECT: MARKLE SCHOLARSHIPS

As you know, the Markle Foundation annually invites us to nominate a single candidate for a Markle Scholar grant. In recent years selection of our candidate has not been difficult because either only one nomination has been forwarded to the Dean's Office - or a second potential nomination was withdrawn in deference (perhaps for one year) to the first department.

As our institution grows in size and as interest in the Markle Scholar competition increases, we will obviously have to develop a selection mechanism. It may be unwise to ask a standing committee to make such a selection because one or more persons on the committee may be members of the same department as the candidate. Instead, I would propose that an ad hoc committee of senior faculty be appointed from departments other than those nominating candidates. This committee would then make a recommendation to the dean. If any of you have suggestions for a fairer or better way to reach a decision please get in touch with me.

To date I have received word from three departments of the firm intention to propose a candidate this year. May I now ask each department head proposing a candidate to send a curriculum vitae and bibliography plus a letter in support of the individual to the Dean's Office no later than October 27, 1967. Thank you for your consideration.

mkk:j

THE JOHN AND MARY R.  
MARKLE FOUNDATION

522 FIFTH AVENUE  
NEW YORK, N. Y. 10036

Office of the Secretary  
and  
Assistant Treasurer

June 26, 1967

Dr. Robert E. Shank  
Department of Preventive Medicine  
and Public Health  
School of Medicine  
Washington University  
St. Louis, Missouri 63110

Dear Dr. Shank:

Mr. Russell has asked me to write you about funds remaining in the grant made to Washington University School of Medicine for Dr. George Morrison.

The understanding about Markle Scholars is that all administrative details are in the hands of the institution receiving the grant. It is perfectly satisfactory to us for reasonable accumulated balances to be carried forward and expended within a reasonable time after the expiration of the grant.

Sincerely yours,

*Virginia Dunlap*

Virginia Dunlap

42323

\$2682.43

June 23, 1967

Mr. John M. Russell  
The John and Mary R.  
Markle Foundation  
522 Fifth Avenue  
New York, New York 10036

Dear Mr. Russell:

The University Accounting Office has requested that I write to you so that we might have a statement in the records relative to the fact that the balance in the Markle Foundation support for Dr. George Morrison is not to be reverting. I am sorry to put this additional burden on you but it at least will help keep our records straight.

This information, as you may recall, was relayed to me as a postscript of a letter you sent on May 31.

I would be most appreciative if you could help us in this regard and would like to again express our gratitude for the large assistance the Markle Foundation has offered in its support of George Morrison.

Very sincerely yours,

Robert E. Shank, M. D.

*Send copy  
to Ruth Johnson  
in Dean's  
office  
3/6/68*

Financial Statement on Activities of Markle Scholars at Washington University

for the Year Ending June 30, 1967

NAME	Present Rank	SALARY			RESEARCH FUNDS			TRAVEL OR OTHER			TOTAL UNEXPENDED MARKLE FUNDS
		Markle	Outside Sources	University	Markle	Outside Sources	University	Markle	Outside Sources	Univerity	
George R. Morrison	Assist. Prof. of Preventive Medicine and Medicine	\$5000.		\$12,000.	\$384.	\$35,000.		\$1195.10	\$1180.	\$185.	\$2500.

WASHINGTON



UNIVERSITY

SCHOOL OF MEDICINE

OFFICE OF THE DEAN

660 SOUTH EUCLID AVENUE  
ST. LOUIS, MISSOURI 63110

June 20, 1967

Dr. Robert E. Shank  
Department of Preventive Medicine

Dear Dr. Shank:

In accordance with the attached request from The Markle Foundation, will you please fill in the required information for Dr. Morrison on the enclosed form and return to this office as soon as possible.

Sincerely,

A handwritten signature in cursive script that reads "Green Kaiser".

Administrative Assistant  
to the Dean

H.K.

THE JOHN AND MARY R.  
MARKLE FOUNDATION

522 FIFTH AVENUE  
NEW YORK, N.Y. 10036

KK  
6-13-67 HK

Office of the President

June 12, 1967

Dr. M. Kenton King  
Dean, School of Medicine  
Washington University  
660 South Euclid Avenue  
St. Louis, Missouri 63110

Dear Dr. King:

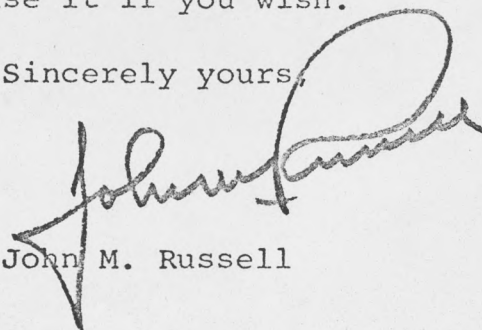
We hate to bother you, but we will need for our files a simple financial statement covering the activities of

Dr. William L. Green  
Dr. Joe W. Grisham  
Dr. George R. Morrison  
and  
Dr. Robert D. Utiger

for the academic year 1966-1967.

Please do not go to a lot of trouble. The items on the enclosed form, which has proved helpful to some medical schools, cover all the information we need. Please use it if you wish.

Sincerely yours,



John M. Russell

Enclosure

sent

8/5/64

Dear Dr. Shank:

The Markle Foundation is asking for a report on Dr. Morrison for the year 1963-64. Will you please fill in the attached form and return it to us as soon as possible?

Helen Kaiser

Financial Statement on Activities of Markle Scholars at

for the Year Ending June 30, 1964

NAME		SALARY			RESEARCH FUNDS			TRAVEL OR OTHER		
<u>Markle Scholar(s)</u>	<u>Present Rank</u>	<u>Markle</u>	<u>Outside Sources</u>	<u>University</u>	<u>Markle</u>	<u>Outside Sources</u>	<u>University</u>	<u>Markle</u>	<u>Outside Sources</u>	<u>University</u>
George R. Morrison	Assist. Professor of Preventive Medicine and Medicine	\$5000.	\$7000.		\$111.	\$20,000.		\$308.30		
						35,000				

WASHINGTON UNIVERSITY  
SCHOOL OF MEDICINE  
DEAN'S OFFICE

Date 6/20

To Dr. Shank

- |  |   |
|--|---|
| <input type="checkbox"/> For your information. | <input type="checkbox"/> Route as indicated.          |
| <input type="checkbox"/> Handle.               | <input type="checkbox"/> Necessary action.            |
| <input type="checkbox"/> Per conversation.     | <input type="checkbox"/> Prepare reply for signature. |
| <input type="checkbox"/> Note and return.      | <input type="checkbox"/> Your comments.               |
| <input type="checkbox"/> Note and see me.      | <input type="checkbox"/> File                         |

REMARKS:

Please complete the enclosed form and return to the Dean's Office by 7/1/66.

Thank you.

From Louise Jacoby Phone \_\_\_\_\_

THE JOHN AND MARY R.  
MARKLE FOUNDATION

522 FIFTH AVENUE  
NEW YORK, N. Y. 10036

Office of the President

June 15, 1966

Dr. M. Kenton King  
Dean, School of Medicine  
Washington University  
660 South Euclid Avenue  
St. Louis, Missouri 63110

Dear Dean King:

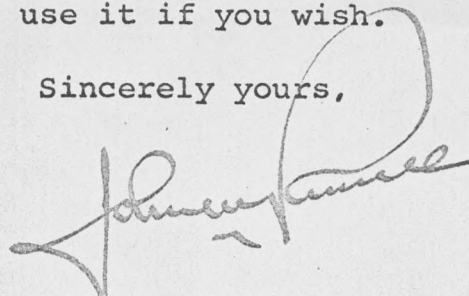
We hate to bother you, but we will need for our files a simple financial statement covering the activities of

Dr. William L. Green  
Dr. Joe W. Grisham  
Dr. George R. Morrison ✓

for the academic year 1965-1966.

Please do not go to a lot of trouble. The items on the enclosed form, which has proved helpful to some medical schools, cover all the information we need. Please use it if you wish.

Sincerely yours,



John M. Russell

Markle  
disseminated  
funds  
\$ 3865

Sent via  
6/22/66

Salary  
Markle Outside Unit.  
\$5000 \$4000 \$6000

Enclosure

Research Fund  
Markle Outside  
\$42.42 \$3013.55  
753.95  
3767.50  
5000  
\$8767.

Travel or other  
Markle outside Unit.  
\$150 \$287.77 \$97

WASHINGTON UNIVERSITY  
SCHOOL OF MEDICINE  
DEAN'S OFFICE

Date 2-11-66

To Dr. Robert E. Shank  
Department of Preventive Medicine

- |  |   |
|--|---|
| <input type="checkbox"/> For your information. | <input type="checkbox"/> Route as indicated.          |
| <input type="checkbox"/> Handle.               | <input type="checkbox"/> Necessary action.            |
| <input type="checkbox"/> Per conversation.     | <input type="checkbox"/> Prepare reply for signature. |
| <input type="checkbox"/> Note and return.      | <input type="checkbox"/> Your comments.               |
| <input type="checkbox"/> Note and see me.      | <input type="checkbox"/> File                         |

REMARKS:

Will you please fill in the attached form concerning Dr. Morrison and return it to this office as soon as possible?

Thank you.

From

Selen Kaiser

Phone

THE JOHN AND MARY R.  
MARKLE FOUNDATION

522 FIFTH AVENUE  
NEW YORK, N. Y. 10036

Office of the President

February 7, 1966

Dr. M. Kenton King  
Acting Dean  
School of Medicine  
Washington University  
660 South Kingshighway  
St. Louis, Missouri 63110

Dear Dr. King:

It would be a great help to us to have a simple financial statement covering the activities of Dr. Joe W. Grisham and Dr. George R. Morrison for the academic year 1964-65.

Please do not go to a lot of trouble. The items on the enclosed form, which has proved helpful to some medical schools, cover all the information we need. Please use it if you wish.

Sincerely yours,

*John M. Russell*

John M. Russell

Enclosures

*Seahorn*  
*3/17/66*

*Salary*

<i>Markle</i>	<i>outside source</i>
<i>\$5000</i>	<i>\$8000</i>

*Travel*

<i>Markle</i>	<i>outside source</i>
<i>\$8.50</i>	<i>\$1185.47</i>

*Research Funds*

<i>Markle</i>	<i>outside source</i>
<i>\$84.80</i>	<i>\$3614. army</i>
	<i>588 Spitt. Res.</i>
	<i>\$4202.</i>

Nov. 4-7, 1964

Chicago

\$103.10

Army

May 1 - May 6, 1965

Atlanta City

\$212.37

Army

Trip to Nigeria

Jan 20 +

April 7, 1965

\$870.

---

1185.47

103  
212.  
870  

---

1185

all Heart

started  
7/1/65

Cons. Supplies

all Army

2170.66

1166.03

Cons. 277.71

1/4 Nutr. Res.

4091.46	1166.03
- 1443.74	+ 277.71
<u>2647.72</u>	<u>1443.74</u>

2170.66
+ 1443.74
<u>\$3614.40</u>

Nutr. Res.

190.71	may
210.70	June
<u>401.41</u>	
1949.76	
<u>2351.17</u>	

588
<u>15251</u>
4   205
32
3

THE JOHN AND MARY R.  
MARKLE FOUNDATION

511 FIFTH AVENUE  
NEW YORK 17, N. Y.

Office of the Secretary  
and  
Assistant to the President

March 7, 1962

Dr. Edward W. Dempsey, Dean  
School of Medicine  
Washington University  
60 South Kingshighway Boulevard  
Saint Louis, Missouri

Dear Dr. Dempsey:

We are glad to inform you that Dr. George R. Morrison was selected as a Scholar in Medical Science at a meeting of the Directors held today. The vote was as follows:

That, from the funds available for appropriation, Thirty Thousand Dollars (\$30,000) -- or so much thereof as may be necessary -- be appropriated to Washington University School of Medicine for Dr. George R. Morrison as a Scholar in Medical Science, payable \$6,000 annually to cover the five academic years commencing July 1, 1962.

Information and suggestions regarding the administration of the grant are given on pages 15-18 of the enclosed booklet and should be considered as a part of this letter. Payment will be made annually prior to July 1, unless otherwise requested.

Public announcement of the appointment will be made in accordance with our telegram of today. A copy of the news release sent to your local press is enclosed for your information.

Sincerely yours,

*Dorothy Rowden*  
Dorothy Rowden

Enclosure  
cc: Dr. Morrison

NOMINATION FOR MARKLE SCHOLARSHIP

Dr. George Robert Morrison  
9 Country Squire Lane  
Creve Coeur, Missouri

Personal Data:

Age - 35                      Birthdate - 12/2/25  
Birthplace - Camden, New Jersey  
Citizenship - United States  
Draft Status - 5A  
Marital Status - Married and has two sons of ages three and six years.

Married - Bonnie Marie Oman in 1953

Mrs. Morrison is a registered nurse, trained at the University of Rochester School of Nursing. She is 30 years of age and continues to work part-time as a nurse. She has been sympathetic and helpful through the years that Dr. Morrison has taken in obtaining his medical and research training. She understands and is cooperative in his efforts to seek a career in academic medicine.

Family Background -

Dr. Morrison is of Scotch ancestry. His father, now deceased, was Professor of Homiletics at the Colgate-Rochester Divinity School. He was the author of several books which continue in publication. Among these are "Minister's Service Book", "New Church Hymnal" compiled in collaboration with Dr. Harry Emerson Fosdick, and "2020 Masterpieces of Religious Verse."

Dr. Morrison has four siblings. Of three sisters, one is a nurse, aged 37; another is a secretary, aged 31; and the third is a school teacher, aged 29. The brother, aged 33, is in a managerial position with Birdseye Frozen Foods Company.

Personal Record

Graduate of Monroe High School, Rochester, New York - 1944

1944-1946 U.S. Navy - V-12 Training Program - with the degree Bachelor of Naval Science, Holy Cross College (1946)

1946-1948 University of Rochester, B.A. (1948)

1948-1949 Atomic Energy Commission, University of Rochester - Research Assistant to Dr. D. R. Charles, Professor of Biology. - Investigation of time-dose relationships of X-radiation and chromosomal aberrations in lymph node and epithelial tissues of rats. This work was reported as an AEC publication.

1949-1950 Department of Botany, University of Rochester - Research Assistant to Dr. F. C. Stewart, Professor of Botany. - Investigation of factors in coconut milk promoting acceleration in plant growth. Publication: Thompson, J.F. and Morrison, G.R., Determination of Organic Nitrogen, Analytical Chemistry 23:1153, 1951.

1950-1954 School of Medicine, University of Rochester - M.D. (1954) As a medical student, worked with Dr. Elmer Stotz, Department of Biochemistry, in the isolation and evaluation of the oxidation-reduction potential of cytochrome B. In addition he participated with Dr. Louis Hemplemann in the study of the effects of partial body radiation upon chromosomal aberrations in shielded tissues of mice.

1954-1955 Intern, Ward Medicine, Barnes Hospital, St. Louis, Mo.

1955-1957 Active duty with First Marine Division, Medical Battalion, and at Camp Pendleton Naval Hospital

1957-1959 Research Fellow, Department of Preventive Medicine, Washington University School of Medicine. Associated with Dr. Robert E. Shank in microchemical investigations of activities of various enzymes in groups of cells taken from various parts of the hepatic lobule.

Publications: -

Shank, R.E., Morrison, G.R., Cheng, C.H., Karl, I. and Schwartz, R., Cell Heterogeneity Within the Hepatic Lobule (Quantitative Histochemistry), J. of Histochemistry and Cytochemistry 7:237, 1959.

Morrison, G.R., Karl, I., Schwartz, R. and Shank, R.E., Enzymatic Activity Within the Human Hepatic Lobule, J. Lab. and Clin. Med. 54:928, 1959. (abstract) Completed manuscript to be submitted for publication.

1959-1961 Assistant Resident, Ward Medicine, Barnes Hospital, St. Louis, Mo.

1961 - Instructor in Preventive Medicine and Medicine, Washington University School of Medicine

Interests -

Dr. Morrison is considered to be one of the most promising young men who has had research and clinical training at the Washington University School of Medicine in recent years. He has proven himself particularly adept in evolving new approaches and techniques in the study of liver injury in experimental animals and in man. He has played a key role in a research program which is directed at the study of metabolic characteristics and enzyme activities of liver cells obtained by microdissection from various parts of the liver lobule. Utilizing this approach, it is hoped that new understanding will be brought to the susceptibility of cells in pericentral, midzonal and periportal portions of the lobule. By this means it is anticipated that more effective means may be achieved for protecting the liver against injury or treating established liver disease.

Dr. Morrison, in addition, has demonstrated great interest and facility in the teaching of clinical medicine and preventive medicine to medical students. He has deep conviction that fundamental knowledge of the basic sciences must become an integral part of the understanding of disease processes and the modern practice of clinical medicine. He is thoughtful and effective in demonstration of the importance of experimental findings to clinical practice.

Dr. Morrison works easily and well with his collaborators in the laboratory and in the school. His cultural interests are broad and he has sympathetic understanding of the personal and socioeconomic problems of his patients and their families. Although desiring to serve patients, he does not want to engage in practice other than in the clinic setting and hopes to devote his primary energies to research, teaching and academic pursuits.

#### Dr. Morrison's Statement of His Interests

In pursuing an academic career, it is my intent to continue basic medical research without divorcing myself totally from care of patients in the Clinic. The combined career of investigator and teacher focusing upon the liver should afford me the best opportunity to make a meaningful contribution.

The adaptive mechanisms utilized by the body to maintain homeostasis in the face of various environmental changes have attracted my attention for years. In the past five years this interest has been directed primarily at the biochemical adaptive mechanisms of the normal and abnormal liver. In future years I hope to systematically outline specific biochemical changes induced in the liver by alterations in diet and to seek correlation between these changes and disease processes in the liver, which emphasize either its vulnerability to injury or its ability to regenerate following injury.

My immediate approach is the application of new micro-chemical methods for analysis which now make it possible to overcome many of the barriers that have limited the value of the large amount of biochemical work in liver disease during the past half century.

As a teacher I am particularly interested in improving the student's ability to correlate his knowledge of the basic medical sciences with diseases as observed at the bedside. Although such correlations are slowly acquired, they impress me as being essential for the physician if he is to sustain an interest in our enlarging body of valuable knowledge of diseases in a way which will permit his years in practice to be a most useful and enriching experience.

In this academic setting I anticipate being fortunate enough to maintain my previous cultural attachments through association with others having similar interests and desires.

#### General Interests

Dr. Morrison is held in high regard by his associates and confreres. His medical and other opinion is sought by many of his peers. He has in a brief interval of association with the teaching staff of the Departments of Medicine and Preventive Medicine introduced new thoughts and suggestions about modifying teaching procedures and attempting new approaches. His cultural interests are broad. He has had particular interests in art, photography, archery and archeology as hobbies. The time devoted to these during years of clinical and research training has of necessity been limited. But it is his hope to be able to devote more time to these as he becomes more fully established in academic life.

#### PLANS FOR THE CANDIDATE

#### Duties

Dr. Morrison was appointed to the full time staff of the Departments of Medicine and Preventive Medicine as an Instructor in July 1961 with the plan that he would be given broad opportunity to develop as an investigator and to engage in clinical teaching. He has not been given administrative duties of any kind and it is not our intent to assign this kind of responsibility to Dr. Morrison in the immediate future. During this first year the approximate breakdown of utilization of time is 65% for research, 20% for teaching and 15% for clinical duties. Teaching duties include responsibility for two or three

seminars in preventive medicine during each three month period, one and a half hours per week spent in interviews with assigned students concerning out-patient care, and two hour teaching sessions three days a week on the ward medical service of the Veterans Hospital for a period of four months of the year. Dr. Morrison's clinical duties include participation in the Hepatic and Nutrition Clinic which meets during one morning weekly and ward consultations in these clinical areas. He is permitted to see private patients in consultation with all income going to the University. Until this time and for the foreseeable future such use of his time will be very limited. There is no necessity for him to earn any portion of his income by this means.

#### Research

Dr. Morrison is actively engaged in a research program which concerns the quantitative microchemical determination of activities of various enzymes in liver cells taken from various portions of the hepatic lobule. Determinations are made on specimens of tissue which weigh as little as one microgram. It has been found that there are important variations in activity between portal and central portions of the lobule in rat and human liver. It is planned to determine the effect of dietary variations on these activities and the changes which occur as liver injury is induced in experimental animals or occurs in association with liver disease in man. Associated with Doctor Morrison in this investigation are Dr. Shank and two biochemists, Dr. Irene Karl and Dr. Dennie Cheng. It is planned to have Dr. Morrison become Co-Director of this project within the next year. Support for this research comes from a contract with the Office of the Surgeon General of the Army. In addition, Dr. Morrison assists two Research Fellows, Dr. John Mullins and Dr. Luis Leon, in other investigations which concern nutritional problems. It is believed that he will be particularly helpful in the Department in assisting in the research training of other young men. Application has been made for a Training Grant in Nutrition from the National Institutes of Health which would extend our opportunities and obligations in this regard.

In his development as an investigator the Department will assist Dr. Morrison by aiding in securing and providing necessary technical assistance, supplies and equipment. These needs are

now adequately provided for by the Army research contract. Included are a fully equipped biochemical laboratory, cold room, freezing room, and a microdissection room.

Faculty Rank

Dr. Morrison's present rank is as Instructor. It is our desire to permit him every opportunity to advance to a position of tenure on the staff. It is likely that he will advance to the rank of Assistant Professor by July 1963. Other promotions will come as they are merited. It would be our expectation that he would advance to Associate Professor within a period of four to six years.

Salary

Dr. Morrison's salary in this first year of his employment is \$9000 paid from University funds. During the first year of support under the Markle Scholarship we would propose to pay him a salary of \$10,000 and would allow for annual increments of \$1000 through the five years of support. These salaries would be in line with present salaries for other persons of similar position on the full time clinical staff.

Estimated Budget

Estimated Expenditures

	<u>1961-62</u>	<u>1962-63</u>	<u>1963-64</u>	<u>1964-65</u>	<u>1965-66</u>
Salary	\$10,000	\$11,000	\$12,000	\$13,000	\$14,000
Research Equipment and Expenses	\$20,000	\$25,000	\$25,000	\$30,000	\$30,000
Travel and Society Memberships	\$ 600	600	600	600	600
	<u>\$30,600</u>	<u>\$36,600</u>	<u>\$37,600</u>	<u>\$43,600</u>	<u>\$44,600</u>

Estimated Income

University	\$ 5,600	\$ 6,600	\$ 7,600	\$ 8,600	\$ 9,600
Markle Scholarship	\$ 6,000	\$ 6,000	\$ 6,000	\$ 6,000	\$ 6,000
Research Grants	<u>\$19,000</u>	<u>\$24,000</u>	<u>\$24,000</u>	<u>\$29,000</u>	<u>\$29,000</u>
	<u>\$30,600</u>	<u>\$36,600</u>	<u>\$37,600</u>	<u>\$43,600</u>	<u>\$44,600</u>

Our intent would be to apply \$5000 annually of income from the Markle Scholarship to the salary of Dr. Morrison and \$1000 annually to meet incidental needs of his research.

WASHINGTON UNIVERSITY



SCHOOL OF MEDICINE  
SAINT LOUIS

*Robert E. Shank*  
RES

DEPARTMENT OF PREVENTIVE MEDICINE  
AND PUBLIC HEALTH  
EUCLID AVENUE AND KINGSHIGHWAY

November 29, 1961

Mr. John M. Russell, President  
John and Mary R. Markle Foundation  
511 Fifth Avenue  
New York 17, New York

Dear Mr. Russell:

In forwarding this nomination for a Markle Scholarship for Dr. George R. Morrison, I would like to state my complete confidence in this young man and the potentialities which he exhibits for an outstanding career in academic medicine.

I feel certain that receipt of the Scholarship would afford recognition which would spur him on to even higher enthusiasm and productivity.

We are proud to have him associated with us in the Department of Preventive Medicine and want to do all that is possible to encourage him and satisfy him. The support afforded him would also give significant relief to a department budget which is limited.

We shall be very grateful for any consideration given our request.

Very sincerely

Robert E. Shank, M.D.  
Danforth Professor of  
Preventive Medicine



*GRANTS FOR SCHOLARS  
IN MEDICAL SCIENCE*

*THE  
JOHN AND MARY R. MARKLE  
FOUNDATION*

MEMBERS AND DIRECTORS

*GRANTS FOR SCHOLARS  
IN MEDICAL SCIENCE*

*THE  
JOHN AND MARY R. MARKLE  
FOUNDATION*

*511 FIFTH AVENUE  
NEW YORK 17, NEW YORK*

## MEMBERS AND DIRECTORS

GEORGE WHITNEY  
*President*

JOHN M. RUSSELL  
*Vice President*

BOYKIN C. WRIGHT  
*Vice President*

VERNON MUNROE  
*Treasurer*

CHARLES J. BIDDLE  
STUART W. CRAGIN

JAMES CREESE

JARVIS CROMWELL

A. CRAWFORD GREENE

JAMES G. HANES

JUNIUS S. MORGAN

EDWARD L. SHEA

COURTNEY SMITH

## ADMINISTRATIVE STAFF

JOHN M. RUSSELL  
*Executive Director*

DOROTHY ROWDEN  
*Secretary*

IRENE R. POWER  
*Assistant Treasurer and Assistant Secretary*

*August, 1956*

The Scholar in Medical Science program to aid young men and women planning careers in academic medicine has been conducted since 1948 by the John and Mary R. Markle Foundation, in cooperation with approved medical schools in the United States and Canada.

### *The Plan*

The general qualifications for candidates for the Scholar grants are:

- nomination by an approved *undergraduate* medical school.
- a full-time faculty appointment to a medical school staff.
- fellowship training, already completed, in an area of science that is related to medicine.

—a major interest in the teaching of medical students or in research in any science basic to medicine, or both, rather than in the *private* care of patients.

Candidates trained at any institution and holding any degrees acceptable for faculty rank in the nominating medical school are eligible.

Each school is invited to submit the name of one candidate. For every Scholar finally selected, the Foundation will set aside \$30,000, to be used over a five-year period toward his support or his research or both. The grant will be paid to the cooperating medical school at the rate of \$6,000 annually, and in most cases will be supplemented by the school from its own budget or from other sources.

The number of Scholars appointed annually has varied from thirteen to twenty-five. It is not likely to exceed the latter figure in any year.

A list of Scholars and the medical schools where they hold appointments is available on request.

## *Purpose*

The purpose of this program is to improve medical research and education by assisting some of the promising young teachers and investigators who too often, for financial or other reasons, must forego academic careers to enter private practice or industrial laboratories. By steeling them against tempting positions outside their chosen field of academic medicine, by protecting them from being overloaded with any one type of academic responsibility, by contributing funds toward their support, the Foundation hopes to give them an opportunity to prove their ability within five years and become permanently established as research workers and teachers.

An effort has been made to devise a program in which any approved medical school with a sincere desire to develop a better teaching and research staff can participate. The Foundation believes that technical competence and teaching abil-

ity of the candidate and provision of an environment favorable to his growth are in no way dependent on the income, the size or the geographical location of the school.

### *Selection*

Scholars are selected *only* from candidates nominated by approved medical schools. The Directors of the Foundation, in making the final selection, consider three factors:

1. The competence and promise of the candidate in medical research or teaching, as indicated by the medical school making the nomination.
2. Evidences of an environment conducive to well-rounded professional development, as stated in plans for the Scholar by the medical school.
3. Certain intangible qualities of the candidate indicative of the true scholar and leader. In determining these, the Directors are aided by committees of lay and academic advisers, who hold ex-

tended interviews with selected candidates. The membership of the committees changes each year. Members are listed in the Annual Reports of the Foundation.

### *A Cooperative Program*

The effectiveness of the plan depends upon the full cooperation of the Foundation, the medical schools and the Scholars themselves. For their part, the schools carry a heavy responsibility in choosing a single candidate, usually from many potential ones, and in planning a program that will enable the prospective Scholar to progress as rapidly as possible during the five-year appointment. For its part, the Foundation makes the five-year grant and, in addition, has final responsibility for selecting Scholars on the basis both of material submitted by the school and of the judgment of its committees. The Scholar, for his part, devotes five of his most productive years to carrying on research and developing skill as a teacher.

## NOMINATIONS

*This section is for the guidance of deans and others responsible for preparing nominations. The Annual Reports of the Foundation, available on request, amplify many of the statements below.*

General qualifications for candidates are listed on pages 1-2. Those responsible for the preparation of nominations are reminded that the *only* material the Foundation and its committees have concerning the candidate and the plans for his future is what the medical school provides. Therefore, the nomination has an exceedingly important place in the plan.

### *Timetable*

Advance notice in the Autumn as to whether a school intends to make a nomination will be appreciated.

On or before December 1, nominations should be in the Foundation office. (Late receipt will not be to the advantage of the candidate.)

During December and January invitations to attend a three-day meeting with one of the Foundation's committees will be sent to selected candidates. It should be noted that the receipt of such an invitation is not tantamount to appointment as Scholar.

Early in March the final selection of Scholars will be made by the Board of Directors.

### *Choosing a Candidate*

As previously stated, nominations should be limited to men and women whose primary interests are academic medicine and research, rather than the private care of patients, and who have a strong interest in any subject that is basic to medicine or pre-clinical or clinical science.

In considering candidates from the *clinical* departments, medical schools should be fully satisfied of their intention to pursue a career in academic medicine. The Foundation will examine the long-

term plans of these candidates with special care.

Since the successful candidate will hold a faculty appointment, it follows that selection procedures should be those regularly employed in choosing any faculty member, and not those used by fellowship committees.

Interns and residents or others looked upon by the faculty as advanced students still in training, rather than as colleagues in teaching and research, are not eligible for these grants. Also, candidates already well established and capable by their own reputations of obtaining research funds from other sources will not be considered.

### *Form of Nomination*

To give each medical school full scope to portray its candidate, explain its decision to nominate him and outline the plan for his activities, the Foundation has deliberately avoided the use of printed application forms.

Schools are reminded that two general types of information are desired in the nomination:

1. The candidate's qualifications.
2. The school's plan for the Scholar during the five-year period.

Because the first sifting of candidates will be based on this advance information, schools are urged, in fairness, to prepare as clear and complete statements as possible.

### *Information about Candidates*

The full responsibility for the selection of Scholars on the basis of professional and technical proficiency rests with the medical schools. The Foundation will accept their recommendations on the assumption that the selection has been made with at least the same discrimination as the selection of any other member of the faculty. Both *why* the school selected a candidate and *how* it reached its conclusion are of great interest to the Foundation.

In addition to preparing the statement of interests (see page 11), the candidate should confirm personal facts in the nomination. It is suggested that a copy of this booklet be given to him.

The list below is a reminder of the kind of information needed. *One* copy of the nomination is sufficient.

#### 1. *Personal Data*

Full name, address, age, place of birth, citizenship, draft status (in U.S.).

Marital status and number of dependents. If married, please include information about wife (or husband) pertinent to the application, especially attitude toward candidate's interest in academic medicine.

#### 2. *Photograph*

One, *small, clear* photograph is requested; two may be included, if readily available.

#### 3. *Record*

A chronological statement of the candidate's educational, military, and professional record, including all undergraduate and graduate degrees. Photostats of academic records are not necessary, nor reprints of publications.

#### 4. *Interests*

Statements from the school *and from the candidate* regarding his present interest in a specific area of medical science or education, and his long-term scientific and professional desires and ambitions as they relate to, and may affect, his future career.

#### 5. *General*

General information descriptive of the candidate's professional and technical proficiency, such as honors and other important accomplishments. As breadth of interest is often the mark of a scholar, information regarding the candidate's intellectual pursuits outside of science, as well as his hobbies and other interests, should be included.

#### 6. *References*

In the belief that letters of recommendation are of little worth unless they can be evaluated, the Foundation will not solicit such letters, though they may be included with nominations or forwarded direct by the writer. Opinions of advisers and instructors who have been closely associated with the candidate and, more especially, those of his own generation of students and investigators often are of value.

## *Plans for the Candidate*

A reasonable opportunity for well-rounded development of the Scholar is an important factor in this program. With the scientific proficiency of the candidate vouched for by the school, the Foundation will direct its attention to an equally important matter—the conditions under which the Scholar will work. It is recognized, of course, that few schools are in a position to make a firm commitment about research and other plans, facilities and budget for more than a year or two in advance, but it should be possible to outline reasonable expectations over five years. Without some information along these lines, the Foundation and its committees can not be expected to act fairly in considering the candidate.

It is suggested that information be given on the following points:

### *1. Duties*

Because they are often overburdened with one type of duty, many young scientists are

not given an opportunity for well-rounded development, either professionally or as individuals. A statement showing, in general, the proposed division of the Scholar's time, covering such items as teaching, research, clinical activities, administration, private practice, etc., is desired. If private practice or consultation is to be permitted, state whether there are local rules governing earnings and amount of time spent, and if so what they are.

### *2. Research*

While it is recognized that making definite long-term research plans is often impossible, information regarding the type of research contemplated will be helpful, as well as a general description of laboratory and clinical facilities. A general statement covering provisions for such items as technical assistance, equipment and supplies should also be included.

### *3. Faculty Rank*

An opportunity to advance in the academic world is an important part of this plan. Information should be given regarding the proposed faculty status of the candidate, with an indication of the possibilities for advancement up the academic ladder toward a permanent appointment.

#### 4. Salary

As these grants are intended to offer a measure of security at a critical stage in a Scholar's career, *it is hoped the medical schools will provide as liberal salaries as possible.* The Foundation is particularly interested in the proposed salary for the first year, and would like to have an indication of possible increases over subsequent years.

#### 5. Estimated Budget

The budget covering the Scholar's program over a five-year period should be relatively easy to estimate. On the expense side, the school may find it desirable to prepare for promotions and salary increases over the five years. Research costs may vary: in some cases, charges for equipment may increase costs for the first year and then taper off for the next four years; in others, the reverse may be true.

With these estimates available, the total cost for each year can be generally determined. Toward these expenses, the Foundation will contribute a total of \$30,000, payable at the rate of \$6,000 annually. The difference between the estimated cost and the Foundation's contribution will be the amount to be provided by the medical school from other sources. In any case, the school is reminded that the

Foundation's contribution will cease at the end of the fifth year. A simple balance sheet for the Scholar should include:

1. Estimated income year by year from all sources, including the medical school budget or outside agencies.
2. Estimated expenditures for salary, major items for research, travel and other expenses.

#### *Administration of Grants*

While it is expected that the plans outlined for a Scholar will be generally adhered to, it is understood that many situations may arise over five years which will necessitate changes. If such changes take place, it is assumed that the Scholar will have the same privileges and opportunities as would any other member of the regular faculty under similar circumstances. For example, research projects may be abandoned, others started; new teaching responsibilities undertaken; various scientific meetings attended; and even work in other institutions undertaken, on leave of absence with pay.

It is sincerely hoped that none of the

provisions of this program will ever be used to hinder the Scholar's advancement in any way. In the view of the Foundation, his progress comes before anything else, and the successful administration of these grants can be measured only by the opportunities offered the Scholar to progress and develop during the five years.

If a grant is made, these additional points will be of interest:

#### 1. *Responsibility*

The cooperating institution is expected to assume the same full responsibility for the detailed administration of the grant for a Scholar as for any other member of the faculty supported wholly under its own budget.

#### 2. *Title and Rank*

The term "Scholar in Medical Science," if used at all, should only supplement the Scholar's regular faculty title and rank.

#### 3. *Salary*

The salary of the Scholar, as well as all other budgetary matters, will be determined

by the cooperating school. However, special compensation might be considered in order to provide some recognition to the Scholar for winning the award.

#### 4. *Payments*

The Foundation's single annual payment will be made to the cooperating institution on or about July 1 each year, unless the school requests other arrangements.

#### 5. *Progress Reports*

For purposes of record and to aid in determining future policy, reports of progress will be requested periodically. Whenever such requests are made, the Foundation will indicate the specific information desired.

#### 6. *Termination of Grants*

It is understood that these grants are not to be used to keep a Scholar from accepting a position of greater responsibility in academic medicine, or to support a Scholar in a position beyond his capacity.

Circumstances may arise under which the medical school or the Scholar will wish to bring the grant to an end before the completion of the five-year period. This may be arranged at any time by agreement between

the three interested parties—the medical school, the Scholar and the Foundation. Termination will be made with the understanding that all unexpended funds will be returned to the Foundation and that all unpaid balances of the grant will be cancelled. These unexpended portions of the grants will then revert to the Foundation's general funds and become available for reappropriation.

### 7. *Military Service*

The Foundation will grant a year's leave of absence to Scholars called to active duty by the Armed Services. The Directors will consider requests for extensions on their merits annually thereafter.

### 8. *Transfer of Grants*

Requests for transfer of grants from one institution to another will be considered individually on their merits by the Directors.

It should be noted that the grant does not automatically accompany the Scholar if he accepts a new post. A full statement of the Foundation's policy regarding transfer of grants appears in the 1952 Annual Report of the Foundation, pages 12-16, and is available on request.

1 to Mr. Markle  
3 copies for Deans  
1 for Dr. Moore  
1 for our file

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## THE JOHN AND MARY R. MARKLE FOUNDATION

was chartered in 1927 "to promote the advancement and diffusion of knowledge . . . and the general good of mankind." The founder, John Markle, son of an anthracite coal operator, was born in Hazleton, Pennsylvania, in 1858. He attended private schools, and was graduated from Lafayette College in the 1880 class in mining engineering. At twenty-one, the severe illness of his father placed him at the head of George B. Markle & Co., Jeddo, Pennsylvania.

In 1902 Mr. and Mrs. Markle, the former Mary E. Robinson, moved to New York, where Mr. Markle devoted himself to his financial interests and to philanthropy. The Foundation was established with an initial endowment of \$3,000,000, which was later increased under the terms of Mr. Markle's will to approximately \$14,700,000. Until his death in 1933 and for a short time after, the Foundation made grants for social welfare; from 1935-47 emphasis was on grants for medical research; and from 1947 to date the major program has been "Grants for Scholars in Medical Science."

The Foundation publishes an Annual Report. Copies are available on request.