

MOULTON THEORY OF  
INFINITY DISCUSSED

Science Journal Thinks It  
May Be Used to End Religious Controversy.

The recent Cincinnati meeting of the American Association for the Advancement of Science in some respect greatly exceeded all previous meetings of the association according to an extended review of the convention published in the current issue of Science, the official organ of the association.

Dr. Burton E. Moulton, director of the laboratory of plant physiology, Johns Hopkins University, who is permanent secretary of the association, has made an official report, showing that 2,211 delegates registered for the convention, which marked the seventy-fifth anniversary of the founding of the organization, says the New York Times.

"The exhibition included a wide range of apparatus and materials, embracing many important scientific instruments for the control and automatic recording of the results of experimentation," says the report.

"These were demonstrated by attendants who were experts in the handling of apparatus. A very interesting exhibit was a small nitrogen fixation plant in operation. Very models and beautiful mounted specimens of biological subjects were to be seen, one of the rare exhibits being a whole mount of Penicillium. There were the latest models of balances, both torsion and swing, with clever devices to facilitate accuracy and speed in weighing.

Development Since the War.

"It is impossible to present here anything but an inadequate summary of the exhibition, but it presented a good cross section of the rapid development of research apparatus in America, and the very high standards which have been attained by American manufacturers since the war. The necessity for importing apparatus from abroad is rapidly disappearing."

The report asserts that the convention received "by far the most extensive and satisfactory attention from the daily press than has ever been enjoyed for any of the association meetings."

It says that "the newspapers devoted more space to news of the meeting than ever before, and the material printed was almost wholly of a type that represented the true spirit of science."

"A novel feature of this meeting," it adds, "was the use of the radio in disseminating news. Three scientists kindly consented to deliver addresses, sent by popular addressers for broadcasting from one of the Cincinnati stations."

Special reference is made to the award of a prize to the first prize winner, New York, who became interested in the work of the association through reading the reports of the previous convention. "The report notes that this was the first time in the history of the association that a prize had been awarded for a notable contribution to the advancement of science."

"All papers presented on the programs of the meeting were eligible for consideration, whether or not the authors were members of the association," the report continues. "The secretary of each section and society meeting of Cincinnati was asked to consult others and submit titles of papers presented in the sections of his organization, for consideration in the making of the award. These suggestions were carefully investigated by a special committee named by the council, which worked throughout the meeting."

Prof. Dickson Wins a Prize.

"The award was made to Dr. L. E. Dickson, professor of mathematics in the University of Chicago, for his paper on 'Algebras and Their Arithmetics,' together with his papers on 'The Theory of Numbers and Generalized Quadratics' and on 'Quadratic Fields in Which Factorization is Always Unique.' Prof. Dickson devised a new theory by which he was able to determine what should be the subject matter of arithmetics and algebras, after which he found it possible to construct a highly developed science of arithmetics. The result is a rich array of fundamental results which mark great steps forward in the classic theory of algebraic numbers and in the development of Hilbert's integral quaternions. Prof. Dickson has been able to unify and greatly enlarge the whole subject of the theories of algebras. He has made a very notable contribution to the advancement of science and he has the great distinction of being the winner of the first prize ever offered by the American Association for the Advancement of Science."

The report stresses the annual Sigma Xi lecture, delivered by Dr. Willis Rodney Whitney, electrical engineer and physicist, who is director of the research laboratory of the General Electric Company at Schenectady. Commenting on Dr. Whitney's exposition of how recent is the origin of modern science, the report says:

"In the middle ages western civilization was almost wholly engaged in acquiring salvation or safety first rather than knowledge or understanding; today scientists are seeking truth and they think of safety first last. If the life period of mankind is represented by the life period of an individual 50 years old, it emerges that the 50-year-old man thus thought of did not learn to scratch the simplest records on stone until his forty-ninth year. For him printing has existed only three months. The modern life was actually first devised on this particular fifteenth birthday."

Chemical Research Work.

A survey of the discussions at the chemistry section of the convention deals with research in various fields, the effect of inventions of various mechanical devices upon the work of the chemist is emphasized. "Thus," says the report, "the inventing of machinery made it necessary to change the chemical composition of the glass used. The chemistry report also describes the treatment of diabetes with insulin, with emphasis on how the effect of giving too much insulin is counterbalanced by feeding the patient with sugar."

Quoting H. W. Rodhamel of Indianapolis, who spoke before the chemistry section, the report says:

"He told of the case of a small boy who had been given an injection of insulin to cure for the sugar of his eye, but who failed to get the meal and was found unconscious on the floor of his room. His mouth was pried open and a small amount of sugar administered in the form of orange juice. Within two minutes the boy was playing as usual. The speaker stated also that when rabbits become unconscious from the same cause they are given an injection of sugar solution in one ear and that the effect is so rapid that often the rabbit will jump up and away from the syringe before there has been time to inject the full dose."

In special research work done at the University of Cincinnati, the report adds, it was found that insulin can be purified by absorbing it from solution upon charcoal and afterward causing it to be released by a change of solvent, or by using a substance which is absorbed more highly."

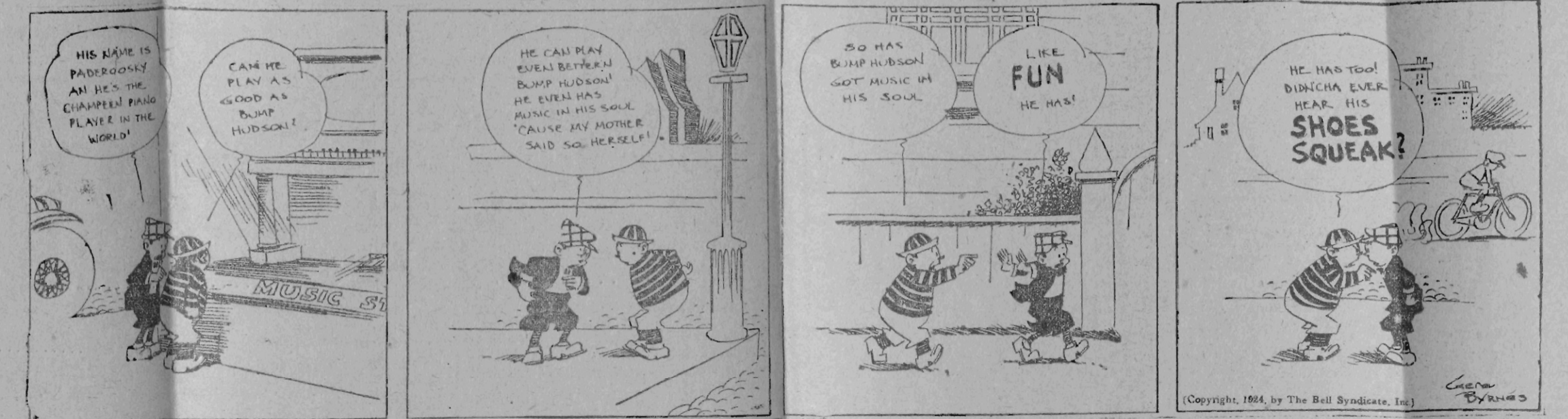
Moulton on Infinity of Universe.

The modern theory of the infinity of the universe, which astronomers think will vent the fundamentalists in religion, is also described in the report. Referring to the meeting of the astronomical section, the report says:

"The discussion of the infinity of the universe, which was introduced by Prof. F. R. Moulton of the University of Chicago. The speaker explained that the question was one of which no definite and final answer can be given either now or in the future. Nevertheless the subject deserves discussion, because it is one which the human mind ever persists in attacking. It has powerful influence on our general philosophy of science, and the ideas of astronomers respecting the extent of the visible universe and the duration of celestial bodies are now undergoing rapid expansion. It was explained that if the universe is built up of an unending succession of cosmic units which at each stage make larger units, as electrons make up atoms, atoms make up molecules, molecules make up worlds, worlds make up solar systems, solar systems make up galaxies, galaxies make up supergalaxies, and so on—each unit separated from its neighbors by distances that are great compared to their diameters—then the universe is not only infinite in extent, but it has an infinite number of each type of cosmic unit; the total mass is infinite there is no cause as absolute position in it, and it



REG'LAR FELLERS BUMP IS A MUSICAL GUY.



RUFUS M'GOOFUS—TREAT 'EM ROUGH.



MA—THE ANSWER.



JOE QUINCE—WHO WAS THAT GUY "SAMSON," ANYWAY?



be given either now or in the future. Nevertheless the subject deserves discussion, because it is one which the human mind ever persists in attacking. It has powerful influence on our general philosophy of science, and the ideas of astronomers respecting the extent of the visible universe and the duration of celestial bodies are now undergoing rapid expansion. It was explained that if the universe is built up of an unending succession of cosmic units which at each stage make larger units, as electrons make up atoms, atoms make up molecules, molecules make up worlds, worlds make up solar systems, solar systems make up galaxies, galaxies make up supergalaxies, and so on—each unit separated from its neighbors by distances that are great compared to their diameters—then the universe is not only infinite in extent, but it has an infinite number of each type of cosmic unit; the total mass is infinite there is no cause as absolute position in it, and it

may have infinite duration, both past and future. Although there can be no absolute proof of the soundness of such a conclusion, the speaker adopted as a working hypothesis that the physical universe is infinite in space and in time, and that all phenomena are in a general way cyclical.

SOME INDUSTRIAL DETECTIVES.

They Aid in Solving Battering Problems in Machinery.

Chemistry has made for itself a new and important place in the industrial world in that it can often find the solution for baffling practical problems that can be discovered in no other way. Thus, the New York Times, (Times and Tribune), recently said: "The man who puts into words some of the things that he believes chemists try to do would seem a fit subject for an insane asylum, and the marvels of chemistry in detecting hidden causes in perplexing industrial troubles would seem impossible if they had not been so thoroughly demonstrated in scores of cases."

Factories that depend upon a definite supply of water in their work generally send samples of the water to a chemical laboratory for analysis. Frequently the water is discovered to contain matter injurious to the product proposed to be manufactured and the trouble can be remedied before any great financial loss has been sustained.

A certain small town factory owner was forced to enlarge his plant because of the growth of his business. The water supply for the boilers of the factory had been obtained from a nearby well. With the addition of more boilers to his equipment the owner was forced to deepen the well. Immediately he began to have trouble. The boilers were coated on the inside. A chemist was called in, who discovered that when the well was deep-

ened the borer had broken through rock to a deeper stratum and that water from this level contained a mineral that coated metal surfaces when under pressure heat.

Examples of the detective value of chemistry may be taken from almost any branch of industry. For example, a certain macaroni manufacturer decided to add two stories to his building and install more machinery on the top floor. But the new equipment turned out an inferior quality of product despite the fact that the same materials were used in the new machines as in the old. As he was suffering considerable loss because of the inferior macaroni he called in a chemist to discover the trouble. The latter discovered that a different degree of moisture was contained in the air on the upper floors than that on the lower floors. When the moisture was properly regulated it was discovered that the dough could be mixed exactly the same way in the new equipment as in the old.

LINK INDIANS OF TWO  
CONTINENTS BY RITES

Ethnologists Find Similarity  
of Customs in North and  
South Americas.

The ancient culture of the Indians of our eastern North American woodland is almost gone, and the war customs of the several tribes in particular were blotted out at such an early period that little regarding them is now remembered. In general outline, however, they are perfectly reproduced by some of the forest peoples of the continent to the south of us. A person desiring to form some picture of these may be helped by a paper of Rafael Karsten entitled "Blood Revenge, War and Victory Feasts Among the Jibaro Indians of Eastern Ecuador," recently published by the bureau of American ethnology as bulletin 79.

It contains a realistic, if somewhat gruesome, description of a social order similar to that which once prevailed over the land on which we dwell. There are, of course, numerous differences in details, nor would the parallels be equally true for all North American tribes, but the social setting, the mental atmosphere, the religious outlook are wonderfully alike. Even specialists often fall in attempting to evaluate the factors entering into aboriginal life owing to the early suppression of one of its mainstays, the institution of man killing.

Blood Revenge Taught to Boys.

In both North and South America the duty of blood revenge was inculcated in a boy in his earliest years. It was about that time that the supernatural beings, named to a Jibaro youth at his puberty feast through the medium of a narcotic drink, mainly talked. War was not only a means of satisfying the demands of family loyalty, but the most direct avenue to honor, fame and social position. Everything humanly desirable was obtained by it. Its possible benefits extended even beyond, for the heads of slain enemies, brought home as trophies, as were scalps by the North American tribes, could be converted into fetiches—talismans charged with supernatural power, which became blessings to the slayer and his whole family. One is reminded immediately of the Zuni story told by Cushing in which two children are guided and protected by the scalp of an enemy.

This shows at once the importance of the whole war institutions among the Jibaro—and the same was true of "the North Americans of yesterday"—and of the ceremonies connected with it detailed in the volume referred to.

Sums Up Their Significance.

Mr. Karsten then sums up their significance to the Jibaro aborigine: "The Jibaro (human head trophy) of the Jibaro Indians thus is not a trophy in the common sense of the word; not exclusively a mark of distinction or a visible proof that an enemy has been killed. The Jibaro warrior not only tries to take the life of an enemy, but above everything wants to secure control of his soul. Conformably to this, the so-called 'head trophy' is not merely a victory feast in the sense familiar to us, but at the same time, and first of all, a kind of mystery feast which, when we are able to penetrate into its real meaning, throws an interesting light not only on the social life of these Indians in general and the ideas they connect with their wars, but also upon the general character of the Jibaro people."

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Telephone—Dearborn 8370

New York Grand Rapids Detroit

## Annual Meeting of Stockholders

Commonwealth Edison Company

The stockholders of the Commonwealth Edison Company are hereby notified that the regular annual meeting of the stockholders of said Company will be held at the City of Chicago, Illinois, on Monday, the 25th day of February, 1924, at 3:00 o'clock P. M. for the purpose of electing a Board of Directors and of transacting such other business as may be properly brought before the meeting.

Pursuant to a resolution adopted by the Board of Directors of the Company, the following list of names of the stockholders of the Company is being published for the purpose of enabling the stockholders to be notified of the meeting of the Company and of the election of the Board of Directors of the Company. The names of the stockholders are being published in the order of the names of the stockholders as they appear on the books of the Company. The names of the stockholders are being published in the order of the names of the stockholders as they appear on the books of the Company.

EDWARD J. DOYLE, Secretary

Investment Opportunities

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JOHN R. ROBERTSON & CO.

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February 15, 1924

Professor Edwin B. Frost,  
Yerkes Observatory,  
Williams Bay, Wis.

My dear Professor Frost:

Mr. Fairweather of the Business Office of the University informs me that the University is about to receive the house of the late Professor Barnard, which is at present unfurnished and unoccupied. He would like to know whether it is likely to be desired for use by some present or future member of the Yerkes staff or whether he shall rent it in the open market. It occurs to me that perhaps Professor Van Biesbroeck might like to rent it. I do not know precisely what rent would be charged but if you think that either Professor Van Biesbroeck or some other member of the staff might like to rent it we should of course wish to give preference to our own faculty. Will you kindly make inquiries or give me your judgment on the matter?

Sincerely yours,

James H. Tufts.

T.S



January 11, 1907

Mr. J. H. ...  
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## The University of Chicago

CHICAGO, ILLINOIS

Office of the President

April 25, 1924.

Memorandum for the President:

As to an emergency grant to Mr. Frost, Mr. Gale is not enthusiastic for it. He recognizes that the operation is necessary, but is inclined to think they are better able to carry the cost of it than they realize.

E.J.G.



THE UNIVERSITY OF CHICAGO  
CHICAGO, ILLINOIS  
Office of the President

April 25, 1934

Memorandum for the President:

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E. J. C.



The University of Chicago  
CHICAGO, ILLINOIS  
Office of the President

March 18, 1924.

*File*

Memorandum for President Burton:

With regard to the enclosed, do I understand that I may write Professor Frost that you are offering him \$1000., to be paid back only when and if he finds it convenient?

*Would the possible  
to find out in some other  
way than by direct approach  
whether he needs the money?*

E.J.G.

*If not, I would write a  
"feeling-out" letter -  
assuring him of our interest  
in making his moral as  
above.*







The University of Chicago

Perkes Observatory  
WILLIAMS BAY, WIS.

*Astronomy*

May 6  
1924

Dear Mr. Tufts:

Referring to the Annual Register of 1922-23, p. 98, in which it is stated that Doctors of Philosophy are received as guests by the University, I desire to have a decision given as to the equivalent of the Ph.D. in the Russian system. They do not give that doctorate, but their highest degree is that of Magister, which represents a greater maturity than the Ph.D. degree and to it only professors are eligible. Their Diploma of the First Grade lies somewhere between our Master and our Doctor. The Diploma of the Second Grade, which does not require a thesis, corresponds more nearly to our B.S. Under the present regime, no diplomas are awarded.

I have a letter from M. Paul Davidovich, assistant at the Astrophysical Institute at Moscow, inquiring if he may come to the Observatory for a year. He would presumably be granted leave of absence by the government and a small stipend. He has published a number of papers, which are available for examination, as he has been engaged in professional astronomical work for six years. Mr. Struve tells me that he probably has been unable to obtain the degree owing to their abolition by the government, but we believe that the work he has done is the equivalent of that expected of a Ph.D. It would seem appropriate that he should be received here as a guest. I shall await a formal decision from your office or that of the President before replying to him.

Very truly yours, .

*Edwin B. Frost*

Professor James H. Tufts,  
The University of Chicago  
Chicago

Edwin B. Frost  
Director

EBF λ



The University of Chicago

JOHN D. COOPER  
WILLIAM D. WIS

May 6  
1924

Dear Mr. Tuttle:

Referring to the Annual Register of 1923-24, p. 98, in which it is stated that Doctors of Philosophy are received as guests by the University, I desire to have a decision given as to the equivalent of the Ph.D. in the Russian system. They do not give that degree, but their highest degree is that of Magister, which represents a greater mastery than the Ph.D. degree and is only professors are eligible. Their Diploma of the First Grade is somewhere between our Master and our Doctor. The Diploma of the Second Grade, which does not require a thesis, corresponds more nearly to our Ph.D. Under the present regime, no diplomas are awarded.

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Very truly yours,

James H. Tuttle

Professor James H. Tuttle,  
The University of Chicago,  
Chicago

John D. Cooper  
Director

REV A



The University of Chicago

Perkes Observatory  
WILLIAMS BAY, WIS.

May 7  
1924

Professor James H. Tufts, Vice-President  
The University of Chicago,  
Chicago

Dear Mr. Tufts:

Supplementary to my inquiry of yesterday,  
may I ask whether it would be the policy of the  
University to treat as a guest a Doctor of Philosophy  
from Belgium (Louvain), who has a fellowship under the  
C.R.B., and for whom an inquiry has been made regarding  
a year's work at the Observatory?

Very truly yours,

*Edwin B. Frost*

Edwin B. Frost  
Director

EBF λ

*Commission for Relief of Belgium*



The University of Chicago

Director, Observatory  
WILLIAM SAWYER

May 7  
1924

Professor James H. Tufts, Vice-President  
The University of Chicago,  
Chicago

Dear Mr. Tufts:

Supplementary to my inquiry of yesterday,  
may I ask whether it would be the policy of the  
University to treat as a guest a Doctor of Philosophy  
from Belgium (Louvain), who has a fellowship under the  
C.R.B., and for whom an inquiry has been made regarding  
a year's work at the Observatory?

Very truly yours,

Edwin H. Frost

Edwin H. Frost  
Director

ENT 1

Commence for Belgium



May 12, 1924

My dear Mr. Gale:

I should be glad if you feel that you can continue your efforts to find \$2000 or \$1500 a year to enable us to get Dr. Ross in Astronomy. I think the Lake Geneva summer residents furnish the best field. May I suggest that you call on Mr. Hutchinson and ask him to tell you who are the most susceptible to such an appeal.

I attach memoranda from Mr. Tufts. If you will find out how matters stand with Mr. Swasey I can perhaps help.

I don't think the \$1200 for stairway can be turned in this direction.

Very truly yours,

Mr. H. G. Gale  
University of Chicago

EDB:HP



Office of the President

Referred to \_\_\_\_\_

1924

Please

1. Dispose of as you think best.
2. Answer and retain in your files.
3. Answer and return with carbon of reply for our files.
4. Return with answer on President's stationery for him to sign.
5. Return
  - a) With information called for in writing.
  - b) With suggestion of answer in writing.
  - c) Comment in writing.
6. Return and arrange for personal interview.
7. Follow through—and report.
8. Initial and return (sent for information only).
9. Accept \_\_\_\_\_ Decline.
10. Send to \_\_\_\_\_ with covering letter.
11. File under \_\_\_\_\_
12. Make \_\_\_\_\_ copies.  
Send to \_\_\_\_\_

13. Remarks.

The University of Chicago

Perkes Observatory  
WILLIAMS BAY, WIS.

May 15

1 9 2 4

F-5-XVIII

*ack*

...ing herewith a printed account,  
concerning the eclipse expedition  
Catalina Island, of which the  
...en received.

...you to accept this in lieu of an  
manuscript, as I believe that in this  
more convenient for you, if your  
examine it.

...one long-delayed bill can be  
obtained, and the account thus settled, I shall be  
sending to the Auditor a statement of the expense of  
the expedition. This will show a slight balance on  
hand in the Wrigley Fund. After the Auditor has ex-  
amined and approved our account, I shall ask the  
privilege of asking to you a recommendation regarding  
the use of this small balance.

Very respectfully submitted,

*Edwin B. Frost*

Edwin B. Frost  
Director

Mr. Ernest D. Burton, President  
The University of Chicago  
Chicago

2 encls.

EBF λ



Referred to \_\_\_\_\_

1934 \_\_\_\_\_

Please

1. Dispose of as you think best.
2. Answer and retain in your files.
3. Answer and return with carbon of reply for our files.
4. Return with answer on President's stationery for him to sign.
5. Return
  - a) With information called for in writing.
  - b) With suggestion of answer in writing.
  - c) Copied in writing.
6. Return and arrange for personal interview.
7. Follow through--and report.
8. Initial and return (sent for information only).
9. Accept \_\_\_\_\_ Decline \_\_\_\_\_
10. Send to \_\_\_\_\_ with \_\_\_\_\_ covering letter.
11. File under \_\_\_\_\_
12. Make \_\_\_\_\_ copies.
13. Send to \_\_\_\_\_
13. Remarks \_\_\_\_\_



THE UNIVERSITY OF CHICAGO

Perkes Observatory  
WILLIAMS BAY, WIS.

May 15  
1 9 2 4

F-5-XVIII

*ack*

My dear Dr. Burton:

I am enclosing herewith a printed account, which I have written, concerning the eclipse expedition of the University to Catalina Island, of which the reprints have just been received.

I will ask you to accept this in lieu of an official report in manuscript, as I believe that in this form it will be much more convenient for you, if your time permits you to examine it.

As soon as one long-delayed bill can be obtained, and the account thus settled, I shall be sending to the Auditor a statement of the expense of the expedition. This will show a slight balance on hand in the Wrigley Fund. After the Auditor has examined and approved our account, I shall ask the privilege of making to you a recommendation regarding the use of this small balance.

Very respectfully submitted,

*Edwin B. Frost*

Edwin B. Frost  
Director

Dr. Ernest D. Burton, President  
The University of Chicago  
Chicago

2 encls.

EBF A



The University of Chicago

Member Organization

WILLIAMS, GAY, WILSON

May 18

1924

My dear Mr. Burton:

I am enclosing herewith a printed account, which I have written, concerning the eclipse expedition of the University to Catalina Island, of which the reprints have just been received.

I will ask you to accept this in lieu of an official report in manuscript, as I believe that in this form it will be much more convenient for you, if your time permits you to examine it.

As soon as one long-delayed bill can be obtained, and the account thus settled, I shall be sending to the auditor a statement of the expenses of the expedition. This will show a slight balance in hand in the writer's favor. After the auditor has examined and approved our account, I shall ask the privilege of making to you a recommendation regarding the use of this small balance.

Very respectfully submitted,

Ernest D. Burton

Ernest D. Burton  
Director

Ernest D. Burton, President  
The University of Chicago  
Chicago

2 encls.

MBT



June 23, 1924

My dear Dr. Frost:

You will easily understand how it is that in the frequent absence of President Burton from his office, correspondence has accumulated on his desk. In his despair of being able to attend to it himself, he has turned a considerable amount of it over to me. Among other letters I find yours of May 15th enclosing a printed account concerning the eclipse expedition of the University to Catalin<sup>e</sup> Island.

I understand that you will submit to the Auditor a statement of the expenses of the expedition, and that later you will make to President Burton some recommendations regarding the expenditure of the balance left in the fund.

Very truly yours,

Secretary to the President.

Dr. Edwin B. Frost  
Williams Bay, Wisconsin  
NB/R



My dear Dr. Frost:



*Astronomy*

The University of Chicago

Verkes Observatory  
WILLIAMS BAY, WIS.

July 16  
1 9 2 4

75 ~~XXIII~~

My dear Dr. Burton:

I enclose herewith a copy of my letter transmitting to Mr. Wm. Wrigley, Jr., the check of \$188.63, being the balance left of the Wrigley Fund, representing the eclipse of Sept. 10, 1923. I have today received an acknowledgment from Mr. Wrigley, of which I also enclose a copy.

I hope that his interest in giving in behalf of education and research may have been stimulated by his participation in the case, but I have no means of judging whether or not this has been the result.

Very truly yours,

*Edwin B. Frost*

Edwin B. Frost  
Director

Dr. Ernest D. Burton, President  
The University of Chicago  
Chicago

2 encls.

EBF λ



The University of Chicago

Office of the President  
William D. Howells

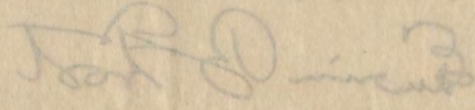
July 18  
1904

My dear Mr. Norton:

I enclose herewith a copy of my letter transmitting to Mr. Wm. Wrigley, Jr., the check of \$188.63, being the balance left of the Wrigley Fund, representing the surplus of Sept. 10, 1903. I have today received an acknowledgment from Mr. Wrigley, of which I also enclose a copy.

I hope that his interest in giving in behalf of education and research may have been stimulated by his participation in the case, but I have no means of judging whether or not this has been the result.

Very truly yours,



William D. Howells  
Director

Dr. Ernest D. Norton, President  
The University of Chicago  
Chicago

2 encls.

REV A



For President Burton

C O P Y

THE UNIVERSITY OF CHICAGO  
YERKES OBSERVATORY  
Williams Bay, Wisconsin

75 ~~XVIII~~

July 11  
1 9 2 4

Mr. William Wrigley, Jr.,  
Wrigley Building,  
Chicago.

Dear Mr. Wrigley:

The accounts of the eclipse expedition, which have now been finally settled, show an unexpended balance of \$188.63.

At the direction of the President of the University, a check for this amount is returned to you herewith, and I beg to express, in behalf of the University and the Observatory, our very sincere thanks for your generous support of the enterprise of observing the eclipse.

The failure to secure scientific results, due to cloudy weather, was not the fault of any one, and I should again choose the station at Catalina Island if a similar eclipse were to occur.

The fact that we were able to keep the expedition within the fund was largely due to the generous co-operation of the officials of the Santa Catalina Island Company, at your own suggestion, for which we are very grateful.

Very truly yours,

Edwin B. Frost  
Director

Enc.

EBF λ



THE UNIVERSITY OF CHICAGO  
LIBRARY  
CHICAGO, ILL.

May 11

Mr. William L. ...  
Chicago, Ill.

Dear Mr. ...

The receipt of the ...  
which have been ...  
expressed ...

The receipt of the ...  
which have been ...  
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The receipt of the ...  
which have been ...  
expressed ...

Very truly yours,



For President Burton

C O P Y

F5-18

WM. WRIGLEY JR. COMPANY

Wrigley Building  
400 North Michigan Ave.

Office of the President

Chicago

July 15th  
1 9 2 4

Professor Edwin B. Frost,  
Yerkes Observatory,  
Williams Bay, Wisconsin.

My dear Professor:

Yours of July 11th  
to hand.

Thank you very much  
for the check for \$188.63, which is  
herewith acknowledged.

The only regret I  
have about the expedition is that  
the clouds prevented the fulfillment  
of the University's desires.

Very truly yours,

Wm. Wrigley Jr.  
S







July 18, 1924.

FS 18

My dear Mr. Frost:

On behalf of President Burton, I  
am acknowledging the receipt of your letter  
and enclosures, covering the correspondence  
with Mr. Wrigley over the settling of the  
Eclipse Expedition accounts.

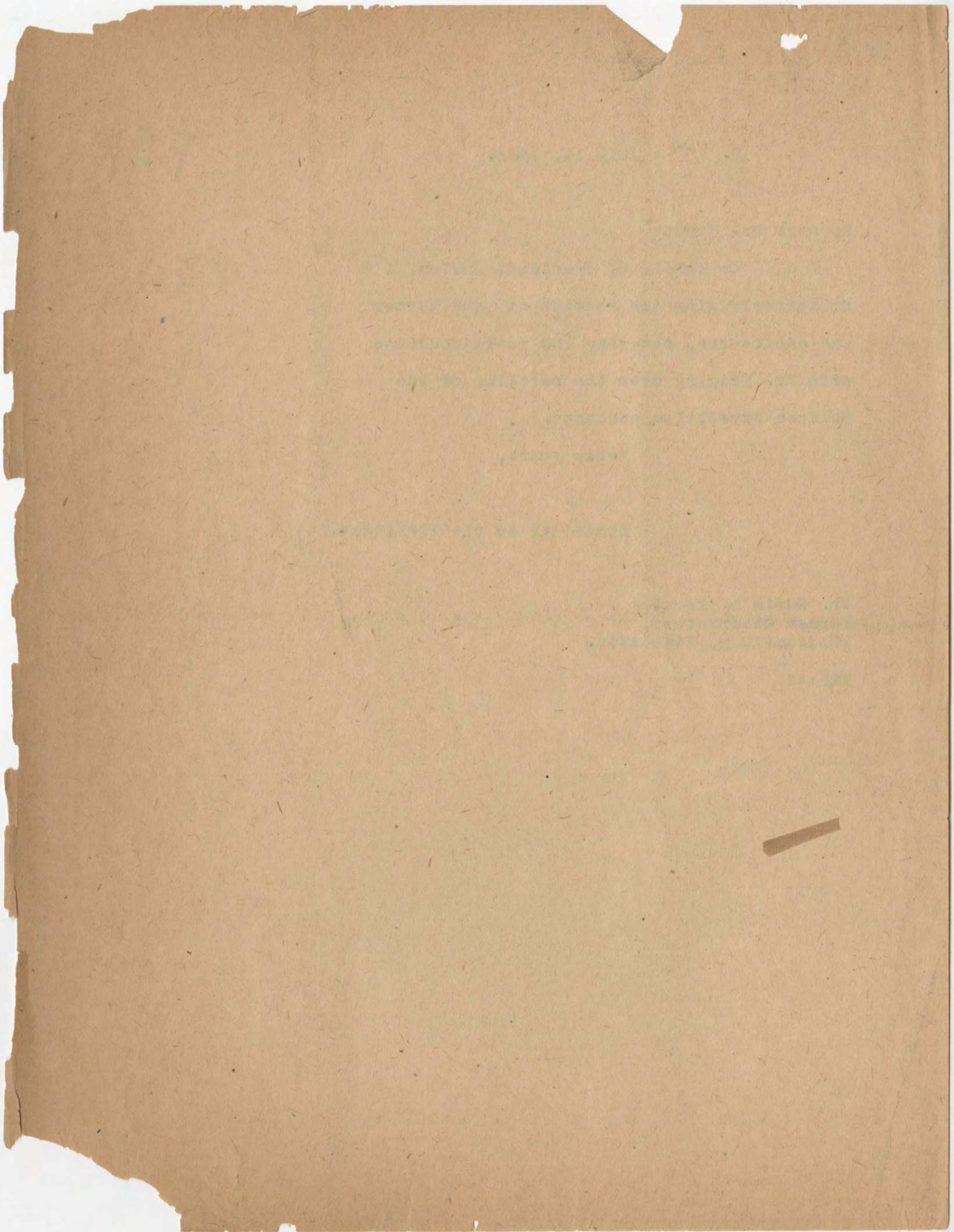
Truly yours,

Secretary to the President.

Mr. Edwin B. Frost,  
Yerkes Observatory,  
Williams Bay, Wisconsin.

WES:AS







*Anderson*

The University

Verkes Obser  
WILLIAMS BA

Dec.  
1 9

President Ernest D. Burton  
The University of Chicago  
Chicago

My dear Mr. President:

I should like to see a  
special appropriation for observation  
of the sun which will occur

This is the last  
in the United States until  
early an hour in the morning  
time of the year, that I was  
in attempting any extensive program  
carried out, but for bad weather, at Catalina Island,  
on September 10, 1923. We should be failing in our  
duty, however, if we did not make an attempt to do some  
of the things which are least affected by a low sun. We  
had an 87 percent chance for a clear sky at Catalina,  
by actual count of the days prior to the eclipse, and  
failed; by the hazards of weather, it may very well  
happen to be a clear morning on January 24, at a point  
near the Wisconsin-Michigan Line, and some 250 miles  
from here. About \$188 of unexpended margin on the  
last eclipse were returned to Mr. Wrigley for reasons of  
University policy. That sum would nearly be enough to  
cover the expenses of Professors Ross and Lee for a very  
modest program at Iron Mountain, Michigan, or thereabouts,  
covering an absence of about four days. Of course it would  
not do to ask Mr. Wrigley to give us back that money, but  
I believe that the University could well return at least  
that much to us. It is also important that we should  
send Professor Parkhurst to some point in New York state,  
with a small visual photometer, which he tried to use at  
Catalina. This will cost about \$200, and may make a  
contribution to science of a sort which is not being under-  
taken by other institutions, so far as we are aware.

As the time is rather short before definite  
arrangements must be made for these observations, I should  
be very glad if I could have early action upon this request.  
It would be a dereliction of duty for me to ask for any less.

In replying to a letter from Professor Marshall,  
as chairman of a committee asking for projects, I requested  
that either \$600, \$400, or \$200 be granted us for this  
purpose. The plans are now more definite, so that \$400  
would cover our requirements. I have not heard from Mr.

Office of the President

Referred to

1924

Please

1. Dispose of as you think best.
2. Answer and retain in your files.
3. Answer and return with carbon of reply for our files.
4. Return with answer on President's stationery for him to sign.
5. Return
  - a) With information called for in writing.
  - b) With suggestion of answer in writing.
  - c) Comment in writing.
6. Return and arrange for personal interview.
7. Follow through—and report.
8. Initial and return (sent for information only).
9. Accept—Decline.

10. Send to \_\_\_\_\_  
covering letter.



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covering letter

9. Accept \_\_\_\_\_ Decline.

8. Initial and return (sent for information only).  
7. Follow through—and report.

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a) With information called for in writing.  
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c) Comment in writing.

4. Return with answer on President's stationery  
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3. Answer and return with carbon of reply for  
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2. Answer and retain in your files.

1. Dispose of as you think best.

Please

\_\_\_\_\_ 1934

Referred to \_\_\_\_\_

Office of the President



*Astron*

The University of Chicago

Verkes Observatory  
WILLIAMS BAY, WIS.

Dec. 9  
1 9 2 4

President Ernest D. Burton  
The University of Chicago  
Chicago

My dear Mr. President:

I should like to enter an appeal for a special appropriation for observing the total eclipse of the sun which will occur on January 24th, next month.

This is the last total solar eclipse visible in the United States until 1945. It will occur at so early an hour in the morning, and at such an unfavorable time of the year, that I would not feel justified in attempting any extensive program, such as that carried out, but for bad weather, at Catalina Island, on September 10, 1923. We should be failing in our duty, however, if we did not make an attempt to do some of the things which are least affected by a low sun. We had an 87 percent chance for a clear sky at Catalina, by actual count of the days prior to the eclipse, and failed; by the hazards of weather, it may very well happen to be a clear morning on January 24, at a point near the Wisconsin-Michigan Line, and some 250 miles from here. About \$188 of unexpended margin on the last eclipse were returned to Mr. Wrigley for reasons of University policy. That sum would nearly be enough to cover the expenses of Professors Ross and Lee for a very modest program at Iron Mountain, Michigan, or thereabouts, covering an absence of about four days. Of course it would not do to ask Mr. Wrigley to give us back that money, but I believe that the University could well return at least that much to us. It is also important that we should send Professor Parkhurst to some point in New York state, with a small visual photometer, which he tried to use at Catalina. This will cost about \$200, and may make a contribution to science of a sort which is not being undertaken by other institutions, so far as we are aware.

As the time is rather short before definite arrangements must be made for these observations, I should be very glad if I could have early action upon this request. It would be a dereliction of duty for me to ask for any less.

In replying to a letter from Professor Marshall, as chairman of a committee asking for projects, I requested that either \$600, \$400, or \$200 be granted us for this purpose. The plans are now more definite, so that \$400 would cover our requirements. I have not heard from Mr.



The University of Chicago

North Quadrangle  
Williams Bay, Wis.

Dec. 9  
1935

President Ernest B. Burton  
The University of Chicago  
Chicago

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As the time is rather short before definite arrangements must be made for these observations, I should be very glad if I could have early action upon this request. It would be a deterioration of duty for me to ask for any more.

In replying to a letter from Professor Barnard, an chairman of a committee asking for proposals, I recommended that about \$200, or \$250 be granted for this purpose. The plans are now being detailed, so that \$400 would cover our requirements. I have not heard from Mr.



President Burton----2  
9/XII/'24

Marshall, and it may be that the matter is in the slow process of grinding in a committee, but we cannot wait for that.

We shall make preparations for observing the eclipse spectroscopically from the Observatory, here, with various instruments, the totality being nearly 96 percent, but no additional expense will be involved beyond what would be naturally covered in our ordinary scientific operation.

Very truly yours,

*Edwin B. Frost*

Edwin B. Frost  
Director

EBF λ



President Burton---2  
9/11/24

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*Edwin D. Frost*  
Edwin D. Frost  
Director

EBF: A



# The University of Chicago

Yerkes Observatory  
WILLIAMS BAY, WIS.

Dec. 12  
1 9 2 4

Professor James H. Tufts  
The University of Chicago  
Chicago

My dear Dr. Tufts:

I thank you for your letter of December 11. I regret to say, however, that it does not answer my request for a special provision of \$400 to cover observation of the eclipse. Inasmuch as the fiscal year is not half over, the Auditor naturally could state that we have funds in our S. & E. account, which, so far as he knows, could be used for such a purpose as observing the eclipse. But the responsibility for the scientific administration of the Observatory and Department fortunately does not devolve upon the Auditor, and I cannot admit that he has any authority to decide as to how our funds are to be used. As a matter of fact, we economize to the limit in our general expenses in order to save money to publish some of the many pieces of work which have to be issued as Parts of our quarto volumes known as the Publications of the Yerkes Observatory. Therefore, if this money is used for the eclipse, it will be just taken away from sorely needed funds for publication.

Furthermore, I feel that I may, as a matter of merest justice, ask for the re-appropriation from outside funds of the money which was returned to Mr. Wrigley. I raised that money myself, and he would doubtless have been delighted to have the balance used for this eclipse, on the chance of getting some results to make up for our unfortunate loss at the cloudy eclipse of 1923. I presume I could get the \$400 from him now, but I know that it would not be good University policy to go to him for trifling sums like this. I will therefore bespeak your cooperation in securing a new appropriation for \$400, as intended in my letter.

This may be a proper place for me to say to you what I may have said to you before, that, a few years ago, as a result of Dr. Judson's interest in behalf of our Publications, the income from a portion of Mr. Yerkes' last bequest was specifically set aside for our Publications -- \$800 annually. I accumulated this until we could get enough to issue a Part costing about \$2000; and then, when I had waited for further accumulation and issued a requisition to publish a Part, the Auditor informed me that there was no such money available. He claimed that this money had been



The University of Chicago

Yerkes Observatory  
WILLIAM BAY WISE

Dec. 12  
1924

Professor James H. Tuttle  
The University of Chicago  
Chicago

My dear Dr. Tuttle:

I thank you for your letter of December 11. I regret to say, however, that it does not answer my request for a special provision of \$400 to cover observation of the eclipse. Inasmuch as the fiscal year is not half over, the Auditor naturally could state that we have funds in our E. & M. account, which, so far as he knows, could be used for such a purpose as observing the eclipse. But the responsibility for the scientific administration of the Observatory and Department fortunately does not devolve upon the Auditor, and I cannot admit that he has any authority to decide as to how our funds are to be used. As a matter of fact, we economize to the limit in our general expenses in order to save money to publish some of the many pieces of work which have to be issued as Parts of our quarto volumes known as the Publications of the Yerkes Observatory. Therefore, if this money is used for the eclipse, it will be just taken away from sorely needed funds for publication.

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Dr. Tufts-----2  
12/XII/'24

diverted by trustee action to cover other expenses at the Observatory. In the discussion that followed the Auditor seemed to win, as against the President, and we have had no regular Publication Fund since. If the Trustees, or a committee of them, did take action, it was doubtless upon representations from the Auditor just like those which he has made to you at this time. He has no appreciation whatever of scientific research, and I must frankly state that I share the dissatisfaction of some other heads of department that his advices should be made the basis of action.

I am sure that you will see that I have a reasonable basis for the attitude I take. Inasmuch as I try to manage the affairs of the department prudently and not make overdrafts, the attitude of the Auditor is always that we have plenty of funds for other purposes. For instance, in regard to our sale of lantern slides and prints, we make in advance requisitions on our S. & E. account for the fixed charges for salaries for the year, which we can foresee. We know nothing about what the income will be, and therefore I make no expenditures out of expected receipts until the end of the fiscal year in question. This is just common business prudence, but its effect upon the Auditor, who is supposed to excel in business prudence, is that he gives the impression to every committee of the Trustees, and to the executive officers of the University, that we have more funds than we need. I wish this condition of affairs to be thoroughly understood by the executive officers.

Trusting that you will be able to secure some early action regarding the imminent eclipse, I am

Very truly yours,

Edwin B. Frost

Edwin B. Frost  
Director

EBF λ



Dr. T. W. ...  
1911

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affairs to be thoroughly understood by the executive  
officers.

some early action regarding the imminent collapse. I am

Very truly yours,

John A. Frost  
Trustee



December 13, 1924

Professor Edwin B. Frost,  
Yerkes Observatory,  
Williams Bay, Wisconsin

Dear Professor Frost:

I have your special delivery letter in which you say that you have plans which will require the use of all the appropriation.

There is one point concerning the duties of the Committee on Expenditures which may not be understood by you in the same way in which it is understood by that Committee. According to the By-Laws of the University this Committee on Expenditures (The President of the University, the President and Secretary of the Board of Trustees, the Business Manager and the Auditor) "shall carefully consider all expenditures which it is proposed to make under the annual budget, and it shall be its duty and it shall have the authority to make distribution of such budget appropriations as are general by authorizing expenditures within the limits of such appropriations."

It has been the interpretation, I understand, that this means the duty of approving the various items as they come in from the departments insofar as these items are not specifically indicated in the budget. For example, in the budget of the Astronomy Department the salaries are assigned by name -- the appropriation for equipment and expense of \$9060 is "general". The several items in this have to be approved, before they can be paid by check. The same is true with all of the laboratory departments. Of course, this does not mean that the Committee on Expenditures would advise what apparatus should be purchased, but as I understand it, it would mean that this Committee would take notice of the fixed charges for the salaries of mechanics, etc., which have to come out of the account, and in the case of some of the departments it is obliged to caution the department that apparently there will not be money enough left to cover certain desired supplies or special expenses.

In the case of the special matter before us now I have not as yet inquired into just the basis on which the Auditor thought you would have money enough. Very likely he did not know about your plans for publication. Unfortunately your previous letter reached me only the day before the December Board Meeting, which would have been hardly in time for any adequate consideration for this meeting even if the Auditor had not told me that you had money enough. The fact is that in the present effort to raise funds, the President is driven from







early morning until late at night at a speed which makes his friends concerned as to whether he can keep it up. Hence, I do not get very much opportunity to take up such matters as yours on short notice. There will not be another meeting of the Board until January the eighth. I will talk with the Auditor and endeavor to find out a little more accurately what the situation is. It would certainly not be good University policy to ask for a small sum like this from the donor of your former eclipse expedition. I think that we ought to be able to finance the matter somehow, and it may be that the best method will be to go ahead and make your preparations for the eclipse on the basis that if necessary the money would be charged to your account. Meanwhile, I will endeavor to see the President and find out whether in case your account should not prove adequate he would think it wise to recommend to the Board at its next meeting that a special appropriation be made from general reserve for this.

Sincerely yours,

James H. Tufts

JHT:H







# The University of Chicago

Perkes Observatory  
WILLIAMS BAY, WIS.

March 18  
1 9 2 5

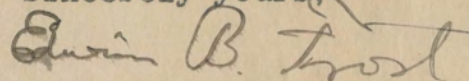
Dean James H. Tufts, V.-P.,  
The University of Chicago  
Chicago

My dear Mr. Tufts:

In accordance with our telephonic conversation when I was in the city a few days ago, I am transmitting to you the letter, recommending a pension for Mrs. Anna Greenleaf Parkhurst, for the consideration of the President and the Board. I greatly hope that they will find it possible to take the action recommended.

I can say to you what I could not include in any such letter, that for the past twenty years Mr. Parkhurst has loaned to the University the mounting of a telescope, including a 6-inch reflector and driving clock, which has been an integral part of the equipment of what we have called the U.-V. telescope, which for three years has been installed in the new dome in the Snow Building. The value of Mr. Parkhurst's equity in this has been several times carefully estimated by myself and Mr. Parkhurst, for permanent insurance purposes and for insurance during transit to the eclipses of 1918 and 1923, at \$700.00. While I had suggested to Mr. Parkhurst that perhaps he might will this to the University, I now learn that he had not done so, thinking that he might wish to use the instrument in some more favored climate, after retirement. While there is no intention or thought of any "dicker" being made in this connection, I am confident that if Mrs. Parkhurst receives a pension, she will present this telescope mounting and accessories to the University. Otherwise, we shall have to raise that sum for its purchase. I feel that it would be very appropriate for us to name the instrument the Parkhurst Telescope, as it had been used almost exclusively by him and his graduate students for the past twenty years.

Sincerely yours,



Edwin B. Frost  
Director

Enc.

EBF λ



The University of Chicago

Director Observatory  
WILLIAMS BAY, WIS.

March 18  
1925

Dean James H. Tufts, V. P.,  
The University of Chicago  
Chicago

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Sincerely yours,

Edwin S. Frost  
Director

Enc.

REV. A.



# The University of Chicago

Perkes Observatory  
WILLIAMS BAY, WIS.

March 18  
1 9 2 5

The President of the University of Chicago  
Chicago, Illinois

My dear Mr. President:

Under the exact wording of the Statutes regarding the granting of retiring allowances or pensions, our late colleague, Associate Professor John Adelbert Parkhurst, or his widow, would not be eligible. He lacked one year and seven months of having reached the age of 65 years, and he lacked one year and ten months of the 15-year service with the rank of Assistant Professor or higher. However, I know that it is the desire of the President and Board to deal with such cases as generously as possible. Therefore I would respectfully recommend that a pension be granted to Mrs. Anna Greenleaf Parkhurst. She has not sufficient income for her support, and, being one year younger than her husband, is not in a stage of life where she could fit herself for taking up some new occupation for self-support.

Mr. Parkhurst actually served continuously as a member of the Observatory staff from the beginning of 1900, and was a volunteer research assistant during the summer of 1898. During a portion of this time, his salary was provided from a grant by the Carnegie Institution of Washington to the Director of the Observatory for the purpose. The Auditor's records might therefore not show him as a member of the pay-roll until he became an instructor in 1905. His service to the University was the same, however, as if the funds had been provided at all times from the University sources. It is my thought that this faithful service of twelve years prior to 1912 might readily be considered as an equivalent for the period of less than two years lacking at the end of his life to comply with the exact requirements of the Statutes, particularly as in the early days it was very difficult for the University to advance instructors to the rank of assistant professor.

My recommendation would be that a pension be granted to Mrs. Parkhurst of one-half of forty percent of the average salary received by her late husband since January 1920. According to the figures in my office, this would be twenty percent of \$3800, or \$760 per year. I sincerely hope that this recommendation will seem appropriate to yourself and the Board.

Very respectfully yours,

*Edwin B. Frost*

Edwin B. Frost

Director



The University of Chicago

Office of the President  
Williams Hall, Wm.

March 18  
1930

The President of the University of Chicago  
Chicago, Illinois

My dear Mr. President:

Under the exact wording of the Statutes regarding the granting of retiring allowances or pensions, our late colleague, Associate Professor John Albert Parkhurst, or his widow, would not be eligible. He lacked one year and seven months of having reached the age of 65 years, and he lacked one year and ten months of the 15-year service with the rank of Assistant Professor or higher. However, I know that it is the desire of the President and Board to deal with such cases as generously as possible. Therefore I would respectfully recommend that a pension be granted to Mrs. Anna Greenleaf Parkhurst. She has not sufficient income for her support, and, being one year younger than her husband, is not in a stage of life where she could fit herself for taking up some new occupation for self-support.

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Very respectfully yours,

Edwin S. Ford

Director

WET 1



C O P Y

Mrs. J. A. Parkhurst  
Williams Bay  
Wisconsin

Dear Prof. Frost:

I wish to present to  
the University of Chicago, in consideration  
of their kind treatment of me, the telescope  
and mounting belonging to Mr. Parkhurst, and  
now located in the Snow building, for the  
use of the Yerkes Observatory.

Anna G. Parkhurst

Williams Bay, Wis.  
May 5th 1925



C O P Y

Mrs. J. A. Perkins  
Williams Bay  
Wisconsin

Dear Prof. Frost:

I wish to present to  
the University of Chicago, in consideration  
of their kind treatment of me, the telescope  
and mounting belonging to Mr. Perkins, and  
now located in the Snow Building, for the  
use of the Yerkes Observatory.

Anna C. Perkins

Williams Bay, Wis.  
May 24th 1922



# The University of Chicago

Perkes Observatory

WILLIAMS BAY, WIS.

May 6, 1925

Dean James H. Tufts, Vice-President  
The University of Chicago  
Chicago

My dear Mr. Tufts:

I enclose herewith a letter which I have received from Mrs. J. A. Parkhurst, in which she gives to the University the mounting and telescope which was the property of her late husband, Associate Professor John A. Parkhurst. This has been for the past twenty years a part of the equipment of our so-called U.-V. telescope, now located in the dome on the Snow Building.

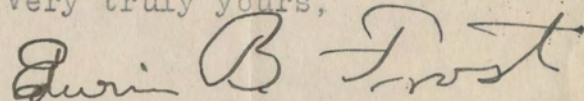
I enclose her original letter, and two carbon copies thereof. Perhaps you will return one of them to me, with the notation of its receipt.

The value of this gift to us is \$700, which amount had been agreed upon by Mr. Parkhurst and myself, for purposes of insurance, on two occasions when the instrument had been dismounted and shipped away for observations of the eclipses of 1918 and 1923. It would probably cost us a good deal more than seven hundred dollars to replace the portion of the equipment of the telescope which belonged to Mr. Parkhurst and had been at our disposal for these many years.

This gift will doubtless be included among those named in the President's quarterly statement and in the inventory of the Business Manager. I have not written a separate letter to Mr. Arnett.

Acknowledgment of the gift will doubtless be made directly to Mrs. Parkhurst by yourself or the proper official from the President's office.

Very truly yours,



Edwin B. Frost  
Director

Encs.

EBF A



The University of Chicago

Office of the President  
Williams Bay, Wis.

May 6, 1935

Dean James H. Tufts, Vice-President  
The University of Chicago  
Chicago, Ill.

My dear Mr. Tufts:

I enclose herewith a letter which I have received from Mrs. J. A. Parkhurst, in which she gives to the University the mounting and telescope which was the property of her late husband, Associate Professor John A. Parkhurst. This has been for the past twenty years a part of the equipment of our so-called U. V. telescope, now located in the dome on the Snow Building.

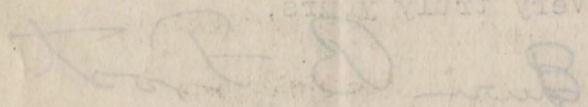
I enclose her original letter, and two carbon copies thereof. Perhaps you will return one of them to me, with the notation of its receipt.

The value of this gift to us is \$700, which amount had been agreed upon by Mr. Parkhurst and myself, for purposes of insurance, on two occasions. The instrument was purchased and shipped away for observations of the eclipses of 1918 and 1923. It would probably cost us a good deal more than seven hundred dollars to replace the portion of the equipment of the telescope which belonged to Mr. Parkhurst and had been at our disposal for these many years.

This gift will doubtless be included among those named in the President's quarterly statement and in the inventory of the Business Manager. I have not written a separate letter to Mr. Parkhurst.

Acknowledgment of the gift will doubtless be made directly to Mr. Parkhurst by yourself or the proper official from the President's office.

Very truly yours,



Edwin E. Rouse  
Director

Encs.



Autonomy

1350

3000

Otto Thorne

Computer - Obe

mini Calvert 1500

alter

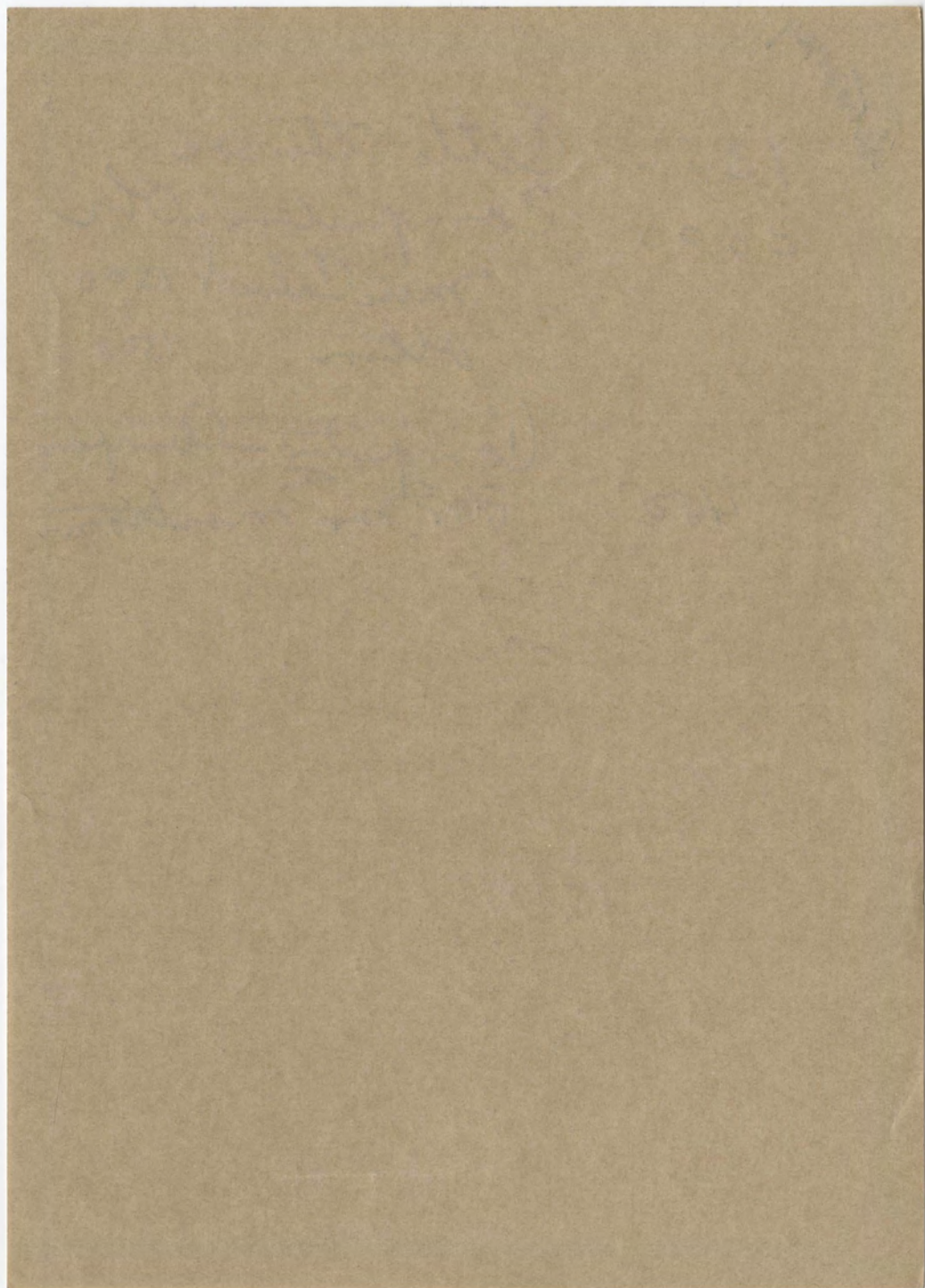
1500

450

Computer - Computer

For Mr Moulton







May 11, 1925.

My dear Professor Frost:

I have your letter of May 6th enclosing the original and copies of the letter from Mrs. Parkhurst in which she offers to the University the telescope and mounting belonging to Mr. Parkhurst, now located in the dome of the Snow Building.

I shall bring the matter to the meeting of the Board on Thursday of next week.

I came near getting into trouble with reference to the appointment of Miss Farnsworth. It appears that when Professor Ross was appointed there was no sufficient provision for his salary in the budget, and the Auditor was counting upon the income formerly allotted to Professor Parkhurst to provide for the salary of Professor Ross. The first draft of the budget as approved by the Budget Committee did not have any provision for Miss Farnsworth. I explained, however, that on my premature authorization to you Miss Farnsworth had made plans to be at the Observatory and that this had been publicly announced in the daily press, and hence that it would be very embarrassing both to her and to the University if the arrangements were not carried out.



May 11, 1925.

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however, that on my premature authorization to you Miss Farnsworth had made plans to be at the Observatory and that this had been publicly announced in the daily press, and hence that it would be very embarrassing both to her and to the University if the arrangements were not carried out.



On this basis a revision was made in order to make the appointment possible. But you will understand that there are no further funds available for any appointment in the Department this coming year.

I shall write directly to Mrs. Parkhurst acknowledging the gift, and when the Board has acted the Secretary of the Board will also send an official acknowledgment.

Very truly yours,

Professor Edwin B. Frost,  
Williams Bay, Wisconsin.

JHT:CB



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appointment possible. But you will understand that there  
are no further funds available for any appointment in  
the Department this coming year.

I shall write directly to Mrs. Parkhurst  
acknowledging the gift, and when the Board has acted the  
Secretary of the Board will also send an official  
acknowledgment.

Very truly yours,

Professor Edwin B. Frost,  
Williams Bay, Wisconsin.

JHT:CB



May 11, 1925.

My dear Mrs. Parkhurst:

Professor Frost has just sent to me your letter of May 5th with its generous offer to the University of the telescope which had long been use by your husband in connection with his valued work upon the staff of the Observatory. I shall bring the matter to the Board of Trustees of the University at its next meeting. But in the meantime, on behalf of the President who would otherwise wish to write you himself, I amacknowledging your letter and thanking you for the generous gift which you make.

I always feel that gifts which come from members of the Faculty have a peculiar value to the University as they testify the interest of the members and their families in the work which the University is carrying on.

With high appreciation and sincere regard, I am

Sincerely yours,

Mrs. J. A. Parkhurst,  
Williams Bay, Wisconsin.

JHT:CB



May 11, 1925.

My dear Mrs. Parkhurst:

Professor Frost has just sent to me your letter of May 8th with its generous offer to the University of the telescope which had long been used by your husband in connection with his valued work upon the staff of the Observatory. I shall bring the matter to the Board of Trustees of the University at its next meeting. But in the meantime, on behalf of the President who would otherwise wish to write you himself, I am acknowledging your letter and thanking you for the generous gift which you make. I always feel that gifts which come from members of the Faculty have a peculiar value to the University as they testify the interest of the members and their families in the work which the University is carrying on. With high appreciation and sincere regard, I am  
Sincerely yours,

Mrs. J. A. Parkhurst,  
Williams Bay, Wisconsin.

JHT:CB



May 11, 1925.

*gift to Telescope.*

My dear Mr. Dickerson:

The enclosed letter is for the May meeting of the Board. I have acknowledged the letter, but understand that you will write to Mrs. Parkhurst after the meeting of the Board.

Very truly yours,

Mr. J. S. Dickerson,  
Office of the Secretary.

JHT:CB



Gift to telegraph

May 11, 1922.

My dear Mr. Dickerson:

The enclosed letter is for  
the May meeting of the Board. I have  
acknowledged the letter, but understand  
that you will write to Mrs. Parkhurst  
after the meeting of the Board.  
Very truly yours,

Mr. J. S. Dickerson,  
Office of the Secretary.

JHT:GB



The University of Chicago

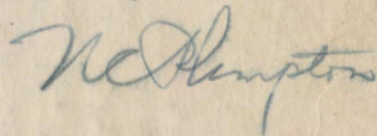
Office of the Auditor

May 13, 1925.

My dear Mr. Tufts:

I am inclosing herewith copy of a letter from Mr. Frost with regard to the expenditures in connection with the solar eclipse expeditions in January last. Inasmuch as the appropriation of the department for the year is adequate to care for the expenditures, and the pressure for University funds elsewhere is so great, it may be difficult to make an additional allowance to the department.

Yours very truly,

A handwritten signature in dark ink, appearing to read "W. H. Thompson", written in a cursive style.

Mr. J. H. Tufts,  
Faculty Exchange.



The University of Chicago

Office of the Registrar

May 13, 1925.

My dear Mr. Tuttle:

I am inclosing herewith copy of a letter from Mr. Frost with regard to the expenditures in connection with the solar eclipse expeditions in January last. Inasmuch as the appropriation of the department for the year is adequate to cover for the expenditures, and the pressure for University funds elsewhere is so great, it may be difficult to make an additional allowance to the department.

Yours very truly,

Mr. J. H. Tuttle  
Faculty Exchange



May 13. 1925.

My dear Mr. Frost:

This will acknowledge receipt of your favor of May 8 with respect to accounting for amounts expended in connection with the expeditions for observing the total solar eclipse in January. The Committee on Expenditures understood your request to be for the expenditure of \$400. of your appropriation, and that was the basis of their action in approving the expense. The Committee itself has no power to increase appropriations. I believe that your appropriation for the year is adequate to take care of this expenditure as well as your other expenses. I am sending a copy of this letter to Mr. Tufts for his information.

Yours very truly,

N. C. PLIMPTON.

Dr. E. B. Frost, Director,  
Yerkes Observatory,  
Williams Bay, Wis.



May 13, 1925.

My dear Mr. Frost:

This will acknowledge receipt of your favor of May 8 with respect to accounting for amounts expended in connection with the expeditions for observing the total solar eclipse in January. The Committee on Expenditures understood your request to be for the expenditure of \$400. of your appropriation, and that was the basis of their action in approving the expense. The Committee itself has no power to increase appropriations. I believe that your appropriation for the year is adequate to take care of this expenditure as well as your other expenses. I am sending a copy of this letter to Mr. Tufts for his information.

Yours very truly,

N. C. PILMINGTON.

Dr. E. B. Frost, Director,  
Yerkes Observatory,  
Williams Bay, Wis.



The University of Chicago

Verkes Observatory  
WILLIAMS BAY, WIS.

May 8, 1925

*Return to  
N. C. Plimpton*

To the Auditor  
The University of Chicago  
58th Street & Ellis Avenue  
Chicago

Dear Sir:

I enclose herewith the accounts to cover the expense incurred in connection with the expeditions for observing the total solar eclipse of January 24, 1925. We have put these on two sheets, the second of which includes the items which have been already charged to S. & E. of the Department of Astronomy, but which would be credited to us when and if the special appropriation of \$400, which I asked for observing this eclipse, is granted. I have not been notified that my request for this appropriation from external funds has been granted. I may, therefore, be obliged to bring it again to the attention of the Trustees before the end of the fiscal year. By an odd circumstance, wholly without any intention on our part or any juggling of the figures, the sum total of the two sheets is exactly \$400.00.

I enclose our check for \$70.69, to cover the difference between the items on the first sheet and the \$400 for which your check #317685 was sent me early in January. The delay in returning this account has been because some of the bills were only turned in last week.

On the second sheet the items of photographic prints and transparencies were made to be presented to citizens of Iron Mountain, Michigan, who had entertained our representatives and had saved us all hotel bills and large amount of other expense.

Yours truly,

*Edwin B. Frost*

Edwin B. Frost  
Director

3 encls.

EBF A



The University of Chicago

Office of the Auditor  
Williams Hall, Wis.

May 8, 1935

To the Auditor  
The University of Chicago  
58th Street & Willis Avenue  
Chicago

Dear Sir:

I enclose herewith the vouchers for the expenses incurred in connection with the expedition for observing the total solar eclipse of January 24, 1925. We have put these on two sheets, the second of which includes the items which have been already charged to S. & E. of the Department of Astronomy, but which would be credited to us when and if the special appropriation of \$400, which I asked for observing this eclipse, is granted. I have not been notified that my request for this appropriation from external funds has been granted. I may, therefore, be obliged to bring it again to the attention of the trustees before the end of the fiscal year. By an odd circumstance, wholly without any intention on our part or any weighing of the figures, the sum total of the two sheets is exactly \$400.00.

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On the second sheet the items of photographic plates and transparencies were made to be presented to citizens of Iron Mountain, Michigan, who had entertained our representatives and had saved on all hotel bills and large amount of other expenses.

Yours truly,





*Antennary*

Mr. Tufts

May 16, 1925.

Mr. A. B. Frost,  
Williams Bay, Wisconsin.

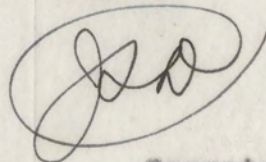
Dear Mr. Frost:

The Board of Trustees at its meeting just held voted to accept the generous gift of Mrs. Parkhurst. The Secretary was instructed to send the thanks of the Board for this particularly interesting addition which he will do in the near future.

The Secretary was instructed to authorize the proper marking by a plate of this telescope so that as long as it is used it will be known as that so efficiently employed by Professor Parkhurst.

Will you please see that a suitable plate is prepared for this purpose with a suitable inscription, and if you think it is necessary, you might send the proposed inscription to Vice-President Tufts for approval.

Yours very truly,



Secretary.



Mr. Wright

U. S. National Academy of Sciences  
Washington, D. C.

May 16, 1925.

Mr. A. B. Frost,  
Williams Bay, Wisconsin.

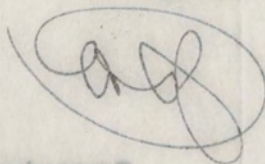
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Professor Parkhurst.

Will you please see that a suitable  
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inscription, and if you think it is necessary, you  
might send the proposed inscription to Vice-President  
Tate for approval.

Yours very truly,



Secretary.