

AMERICAN ASSOCIATION
FOR THE ADVANCEMENT OF SCIENCE

OFFICE OF THE PERMANENT SECRETARY

WASHINGTON, D. C., January 3, 1910.

At a meeting of the General Committee of the American Association for the Advance-

ment of Science held at Boston, Massachusetts, December 30, 1909, you

were elected _____ PRESIDENT _____

for the Association year beginning January 1, 1910.

L. O. Howard

Permanent Secretary

Albert A. Michelson, Ph.D.,
University of Chicago,
Chicago, Illinois.

Die philosophische Fakultät
der
Georg August-Universität.

Göttingen, den 14. Juni 1911.

J.-Nr.

Hochgeehrter Herr Kollege !

Die Philosophische Fakultät erfüllt es mit grosser Genugtuung, dass Sie in dem zwischen Deutschland und Nordamerika bestehenden Austausch von Professoren als Lehrer der Physik unter uns erschienen sind. Ihre Fachgenossen schätzen in Ihnen einen Meister feinsten physikalischer Beobachtungskunst. Sie schreiben Ihnen das Verdienst zu, dass Sie wie keiner vor Ihnen die Lichtwellen in den Dienst der physikalischen Forschung gezogen und sie gezwungen haben, Geheimnisse zu enthüllen, die bis dahin als undurchdringlich erschienen, - scharfsinnig im Erkennen der Probleme, kühn und klar in ihrer Auffassung, ausdauernd und kunstreich in ihrer Lösung.

Die Fakultät hat Sie in die Zahl ihrer Ehrendoktoren aufgenommen in hoher Wertung Ihrer wissenschaftlichen Leistungen, in dankbarer Anerkennung der Hingabe, mit der Sie sich dem Unterricht unserer Kommilitonen widmen, und zu dauernder Bezeugung der Gemeinschaft, in die Sie mit uns getreten sind. Einen besonderen Wert hat die Fakultät dieser Ehrung damit geben wollen, dass sie dieselbe mit Zustimmung der Universität

An

Herrn Professor Dr. phil. A.A. M i c h e l s o n

h i e r . .

in die heutige Jahresfeier der Universität einschloss.

Das Diplom lasse ich Ihnen hierbei zugehen.

Ihr sehr ergebener

Imend,

z. Dekan.

Office of
The Secretary of
The Royal Frederik's
University.



Kristiania, September 20th 1911.

Sir,

I have the honour of informing you that, on the occasion of the Centenary of our University, the Academic Senate has conferred upon you the degree of Doctor of Philosophy (doctor philosophiae) in our University.

I have taken the liberty of transmitting to you, in a separate enclosure, the diploma of said degree, made out in your name.

I have the honour to be, Sir,

Your most obedient servant

Secretary.

Professor Albert Abraham M i c h e l s o n, D. Sc., LL. D.,

C H I C A G O,

U. S. A.

KONGLIGA
FYSIOGRAFISKA SÄLLSKAPET

I
LUND

KALLAR HÄRMED

PROFESSORN I FYSIK VID UNIVERSITETET I CHICAGO

D:R ALBERT ABRAHAM MICHELSON

TILL SIN LEDAMOT

Lund den 13 december 1911.

S. Mörbeck.

ORDFÖRANDE.

Carl M. Furst

SEKRETERARE.

KONGLIGA

FYSIOGRAFISKA SÄLLSKAPET

LUND

KALLAR HÄRNED

PROFESSOR I FYSIK VID UNIVERSITETET I CHICAGO

DR ALBERT ABRAHAM MICHELSON

TILL SIN LEDAMOT

Lund den 13 december 1911

Dr. Michelson

ORDBUDSKAP

Carl W. Fritze

SEKRETERARE

THE FRANKLIN INSTITUTE
OF THE STATE OF PENNSYLVANIA
PHILADELPHIA

OFFICE OF THE SECRETARY

February 19, 1912.

Albert A. Michelson, Esq., Sc.D., Ph.D., LL.D.,
University of Chicago,
Chicago, Ill.

Sir:

I have the honor to inform you that The Franklin Institute, acting through its Committee on Science and the Arts, has awarded you its Elliott Cresson Medal, the highest award in the gift of the Institute, in recognition of

"Original and fruitful investigations in the field of physical optics".

The medal and accompanying certificate are being prepared, and I am directed to ask if it will be convenient to you to come to the Institute on the evening of May 15th to receive them from our President. In the event of your not being able to come to the Institute at this time, they will be forwarded to you by registered post.

I am,

Respectfully,

D. R. Owens

Secretary.

RBO:B

MITCHELLSON MUSEUM
U. S. Naval Ordnance Test Station
China Lake, California
WRITTEN BY J. T. BY NUTTIN
PHYSICAL SCIENCES DEVELOPMENT
TEACHING TO YOUNG MEN

THE FRANKLIN INSTITUTE
OF THE CITY OF PHILADELPHIA
PHILADELPHIA

February 10, 1918.

Albert A. Michelson, Esq., Ph.D., M.D.,
University of Chicago,
Chicago, Ill.

Sir:

I have the honor to inform you that the
Franklin Institute, acting through the Committee on
Science and the Arts, has awarded you the Elliott
Cresson Medal, the highest award in the gift of the
Institute, in recognition of

"Original and fruitful investiga-

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be convenient to you to come to the Institute on the

evening of May 15th to receive them from our President.

In the event of your not being able to come to the

Institute at this time, they will be forwarded to you

by registered post.

I am,

Respectfully,

B. A. Dow

Secretary.

REC-2

The University of Chicago

Ryerson Physical Laboratory

Nov. 6 1917

My dear Major Hillebrand:-

I have finally succeeded
in obtaining the enclosed gratings
for the ear protectors.

I also send five pairs
for experimental purposes and can
obtain more if needed.

Very sincerely yours

A. A. Michelson.

Nov. 2 1917

My dear Mr. Hill:

I have finally succeeded in obtaining the material for the son of the father. I also have some of the material for the experiment. I have also some of the material for the experiment. I have also some of the material for the experiment.

Very sincerely,
Hill

IN REPLY ADDRESS
BUREAU OF ORDNANCE, NAVY DEPARTMENT
AND REFER TO NO.

NAVY DEPARTMENT
BUREAU OF ORDNANCE
WASHINGTON, D. C.

Sept 16 1918.

This is to certify that
Joseph H. Purdy Jr. is
employed on optical work connected
with range finders and other
optical instruments at my request

A. J. Michelson
Lt Comdr. U.S.N.R.F.

NAVY DEPARTMENT
BUREAU OF ORDNANCE
WASHINGTON, D. C.

IN REPLY, ADDRESS
BUREAU OF ORDNANCE, NAVY DEPARTMENT
AND REFER TO NO.

Sept 12 1914

This is to certify that
Joseph H. Purdy Jr. is
employed as a
chief artificer and other
optical instruments at Camp/Requet
Alb. Michelson

Attest. N. S. M. F.

In reply refer to No.

(A2)-O
MESNAVY DEPARTMENT
BUREAU OF ORDNANCE
WASHINGTON, D. C.

From: Bureau of Ordnance.
To: Lieut. Commander A. A. Michelson, U.S.N.R.F.,
Washington, D. C.
Subject: Letter of commendation.

Now that hostilities have ceased, I deem it a fitting opportunity to express to you my warm appreciation of your loyal support during the strenuous days of the war against Germany and Austria. Your zeal, intelligence and perseverance in carrying out the Bureau's orders, merit and receive the highest praise from its naval and civilian staff, and I say unhesitatingly that, without your wholehearted aid and support, the Bureau would not have performed its functions in the satisfactory manner expressed by the Secretary of the Navy and evidenced by the service at large.

While the Bureau could not approve all of the requests of its members for service at the front, I assure you that, in doing your utmost in the Bureau, your services, as an individual, had as great a share in defeating our enemies as if you had been in the front line trenches.

Your unceasing and willing efforts have enabled the Department to maintain a fleet at sea with maximum fighting efficiency at all times during the war, thus making you a real part of that great silent force of our nation which has fought unheralded but successfully to maintain the chivalry and the traditions of the sea.

Joseph E. East

Rear Admiral, U.S. Navy,
Chief of Bureau.

In reply, please to Mr.

NAVY DEPARTMENT

BUREAU OF ORDNANCE

WASHINGTON, D. C.

(AS)-0
MRS

From: Bureau of Ordnance.
To: Lieut. Commander A. A. Nicholson, U.S.N.R.F.,
Washington, D. C.

Subject: Letter of commendation.

Now that hostilities have ceased, I deem it a fitting opportunity to express to you my warm appreciation of your loyal support during the strenuous days of the war against Germany and Austria. Your zeal, intelligence and perseverance in carrying out the Bureau's orders, merit and receive the highest praise from its naval and civilian staff, and I say unhesitatingly that, without your wholehearted aid and support, the Bureau would not have performed its functions in the satisfactory manner expressed by the Secretary of the Navy and evidenced by the service at large.

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Your unceasing and willing efforts have enabled the Department to maintain a fleet at sea with maximum fighting efficiency at all times during the war, thus making you a real part of that great silent force of our nation which has fought unrelentingly but successfully to maintain the civility and the traditions of the sea.

Respectfully,
Rear Admiral, U.S. Navy,
Chief of Bureau.

Navy Department

UNITED STATES NAVY



Bureau of Navigation.

Know ye that in accordance with the provisions of the Act of Congress
approved August 29, 1916, ^{and July 1, 1918} and the regulations for the Government of the
United States Naval Reserve Force

Albert Abraham Michelson

having enrolled in the United States Naval Reserve Force for a period of four years from

June 28, 1918

is hereby given the provisional rank and grade of
Commander

in the
Naval Coast Defense Reserve,
Class 4 for general service.

from May 13, 1919.

Franklin D. Roosevelt

Given this *14th* day of *May* 1919, *Acting Secretary of the Navy.*

Registered No. 19 The lowest

number of same date takes rank

W. D. Cornell
Assistant Registrar

*Hold 12 o'clock -
then.*

876

NAVY DEPARTMENT
BUREAU OF NAVIGATION
WASHINGTON, D. C.

In reply address not the signer of
this letter, but Bureau of Navigation,
Navy Department, Washington, D. C.
Refer to No. 35979

N-33-LK-LBS

March 8, 1919.

To: Lieutenant Commander
Albert A. Michelson, USNRF-4,
Bureau of Ordnance,
Navy Department.
(Chief of Bureau)

Subject: Detached present duty; RELIEVED
FROM ALL ACTIVE DUTY.

1. You are hereby detached from such duty as you
may now be performing; will proceed to your home and re-
gard yourself relieved from all active duty.

2. Advise the Bureau of Navigation immediately upon
your arrival home, giving the date thereof, and also your
full address.

3. The Bureau takes this opportunity to thank you
for the faithful and patriotic services you have rendered
to your country in the war with Germany.

Victor Blue

Copy to-

Auditor, Navy Department.

Bureau of Ordnance.

Disbursing Officer, Navy Department

MAR 10 1919	BUREAU OF SUPPLIES & ACCOUNTS
	OFFICER ACCOUNTS DIVISION
	NAVY DEPARTMENT
	SIXTY (\$60.00) CREDIT (Revenue Bill 1910) Credit
	C. F. BENNETT, Lieutenant, (Pay Corps) U. S. N.

BUREAU OF ORDNANCE,
Navy Department.
March 20, 1919.

Delivered and Detached,

The Bureau thanks you for the services you have rendered it, and regrets exceedingly your departure.

You are entitled to sixty dollars gratuity (Revenue Act of 1918). Payment is directed.

L. C. Hood
Captain, U.S. Navy,
Acting:

*I certify that my official home
address as recorded in the
Bureau of Navigation is
University of Chicago
Chicago Ill.
J. H. Michelson
Lt. Comdr. U.S.N.R.F.*

NAVY DEPARTMENT
BUREAU OF NAVIGATION
WASHINGTON, D. C.

In reply address not the signer of
this letter, but Bureau of Navigation,
Navy Department, Washington, D. C.
Refer to No.

N-320-MJT-RLM.

35479-12

May 14, 1919

TO: Commander Albert Abraham Michelson, USNRT.,
Ryerson Laboratory, University of Chicago,
Chicago, ILL.

SUBJECT: Provisional assignment of rank and grade of
Commander.

Enclosure: (a) Assignment of rank and grade.

1. Having been given the provisional rank and
grade of Commander in the "Naval Coast Defense Reserve", Class
4 for general service of the U. S. Naval Reserve Force to rank
from May 13, 1919, the Bureau encloses herewith your assignment
dated May 14, 1919.

2. Please acknowledge receipt.

R. H. Leigh

Registered NO. 19.

Copies to:
Detail Office (Reserve Officers)
Commandant, 5th. Naval District.
Assistant Registrar.

In reply address use the figure at
this letter, but Bureau of Navigation,
Navy Department, Washington, D. C.
Refer to No.

NAVY DEPARTMENT

BUREAU OF NAVIGATION

WASHINGTON, D. C.

32444-1
E-380-117-111

May 14, 1919

To: Commander Albert Abraham Nicholson, USNR.,
Ryerson Laboratory, University of Chicago,
Chicago, Ill.

SUBJECT: Provisional assignment of rank and grade of
Commander.

Enclosure: (a) Assignment of rank and grade.

1. Having been given the provisional rank and
grade of Commander in the "Naval Coast Defense Reserve", Class
4 for general service of the U. S. Naval Reserve Force to rank
from May 13, 1919, the Bureau encloses herewith your assignment
dated May 14, 1919.

2. Please acknowledge receipt.

W. H. Smith

Registered No. 19.

Copies for:
Detail Office (Reserve Officers)
Commandant, 5th Naval District.
Assistant Registrar.

INSTITUT

DE FRANCE

ACADÉMIE

DES SCIENCES



Paris le 23 février 1920.

Les Secrétaires perpétuels de l'Académie des sciences
à M. A. MICHELSON, à Chicago.

Monsieur et très honoré Confrère,

Nous avons l'honneur de vous informer que l'Académie des sciences, en sa séance de ce jour 23 février 1920, vous a élu à la place vacante parmi les Associés étrangers par suite de la mort de Lord RAYLEIGH.

Aussitôt que nous aurons reçu ampliation du décret approuvant cette élection, nous nous empresserons de vous en adresser copie et de vous inviter à venir prendre part à nos travaux chaque fois que cela vous sera possible.

Veuillez agréer, Monsieur et très honoré Confrère, l'assurance de notre haute considération et de nos sentiments dévoués.

Macrog

Emmican

DE FRANCE

INSTITUT

DES SCIENCES

ACADÉMIE



Paris 123 février 1920.

Les Secrétaires perpétuels de l'Académie des sciences

à M. A. MICHELSON, à Chicago.

Monsieur et très honoré Confrère,

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travaux chaque fois que cela vous sera possible.

Veuillez agréer, Monsieur et très honoré Confrère,

l'assurance de notre haute considération et de nos sentiments

dévoués.

Ampliation

Michel

COUNSEL AND BUSINESS MANAGER

January 15, 1921.

Mr. Fairweather:

Mr. Michelson expects to go abroad soon. He was admitted to citizenship in Washington, D.C. in 1880 in the Supreme Court of the District of Columbia. Perhaps you will write at once to the Supreme Court asking if they have a record of it, or to some lawyer there in Washington to search the record; at the same time present the matter here to see whether any record can be located so that the passport can be secured.

Mr. M. supposes and the President and I have supposed that in order to secure the naval commission which Mr. M. handed me this morning the recipient would have to be a citizen of the U.S.

We were hoping that his holding this commission might take the place of the certificate of citizenship.

Perhaps you could give that a little attention on Saturday.

W.H.

WH:RA

January 15, 1921.

Mr. Fairweather:

Mr. Nicholson expects to go abroad

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Washington, D.C., in 1880 in the Supreme Court

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We were hoping that his holding

this commission might take the place of the

certificate of citizenship.

Perhaps you could give that a little

attention on Saturday.

W.H.

WH:BA



SOCIETATIS REGALIS Praeses Concilium et Sodales

Alberto Abrahamo Michelson

salutem.

Cum abhinc annos paene ccl REX noster CAROLUS Secundus, regio rescripto, die xv mensis Julii MDCLXII dato, SOCIETATEM nostram constituerit, Nos, illorum in memoriam, qui inter Sodales nostros, cum Britanni tum peregrini recepti, in scientia promovenda diligenter laboraverunt, natalem nostrum anno MCMXII nobis celebrandum statuimus.

Te igitur, Vir praeclare, impense rogamus ut die xvi mensis Julii et duobus insequentibus diebus SOCIETATIS nostrae natali nobiscum celebrando velis interesse, oramusque ut voluntatis tuae nos quam primum facias certiores. Vale.

Datum LONDINI die viii mensis Januarii MCMXII, in nomine Societatis Regalis pro Scientia Naturali promovenda,

Arch. Gillie
Praeses

SOCIETATIS REGALIS Praeses Concilium et Sodales

Willelmus Schellman

salutem.

Cum adhuc annos paucos post REX noster CAROLUS
Secundus, regio rescripto, die xv mensis Julii MDCLXII
dato, SOCIETATEM nostram constituerit, Nos, illorum
in memoriam, qui inter Sodales nostros, cum Britannia
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Te igitur, Vir preclarissime, impense rogamus ut die xvi mensis Julii et duobus
insequentibus diebus SOCIETATIS nostrae natali nobiscum celebrando velis interesse,
oramusque ut voluntatis tuae nos quam primum facias certiores. Vale.

Datum LONDINI die viii mensis Januarii MCMXII, in nomine Societatis Regalis pro Scientia
Naturali promovenda.



W. Schellman
Praeses

SOCIÉTÉ FRANÇAISE DE PHYSIQUE

Reconnue comme Établissement d'Utilité Publique par Décret du 15 Janvier 1881

44, Rue de Rennes, PARIS (VI^e)

SECRÉTAIRE GÉNÉRAL

L. DUNOYER, 48, Avenue de Neuilly
à NEUILLY (Seine)

Paris, le 26 janvier

1922

Monsieur A. MICHELSON
Professeur à l'Université de
CHICAGO
U.S.A.

Monsieur et cher Collègue,

J'ai l'honneur de vous
informar que, dans son Assemblée générale du 20 jan-
vier dernier, la Société Française de Physique vous
a nommé Membre d'honneur.

Veuillez agréer, Monsieur
et cher Collègue, avec mes plus vives félicitations,
l'expression de mes sentiments les plus distingués.

L. Dunoyer

SOCIÉTÉ FRANÇAISE DE PHYSIQUE

Reconnue comme Établissement d'Utilité Publique par Décret du 15 Janvier 1881

44, Rue de Rennes, PARIS (VI)

Secrétaire Général

L. DUNOYER, 48, Avenue de Neuilly

à NEUILLY (Seine)

Paris, le 25 Janvier

1881

Monsieur A. MICHELSON
Professeur à l'Université de
CHICAGO
U.S.A.

Monsieur et cher Collègue,

J'ai l'honneur de vous

informer que, dans son Assemblée Générale du 20 Jan-
vier dernier, la Société Française de Physique vous
a nommé Membre d'honneur.

Vous en serez sûr, Monsieur
et cher Collègue, avec mes vives félicitations.
L'expression de mes sentiments les plus distingués.

L. Dunoyer



N^o 423

Torino, addì 17 giugno 1922

Ill^o sig. prof. Alberto Michelson
Università di
Chicago

Ho il piacere di annunziarle che la classe di scienze fisiche, matematiche e naturali di quest'Accademia nella sua adunanza del 5 marzo 1922 l'ha eletta a suo socio straniero e che tale elezione fu approvata da S. M. il Re con decreto del 30 marzo.

Mi prego quindi inviare alla S. V. Ill^{ma} il qui unito diploma, nonché una copia del nostro Statuto; e nel congratularmi con Lei per questa nomina La prego di gradire l'espressione della mia distinta considerazione.

Il Presidente
G. Narani



N. 123

Torino, addì 17 giugno 1922

M. sig. Prof. Alberto Michelson
Università di
Chicago

Ho il piacere di annunziarle che la classe di scienze
fisiche matematiche e naturali di quest'Accademia nella
sua adunanza del 2 marzo 1922 l'ha eletto a suo socio
ordinario e che tale elezione fu approvata da S. M. V.
Re con decreto del 30 marzo.

Mi prego quindi inviare alla S. M. V. il più presto
possibile, nonché una copia del nostro Statuto; e nel
completamente con lei per questa nomina la prego di
gradire l'espressione della mia distinta considerazione.

M. Prochaska
M. Perini

NATIONAL ACADEMY OF SCIENCES

OFFICE OF THE HOME SECRETARY
SMITHSONIAN INSTITUTION
WASHINGTON, D.C.

April 27, 1923

Dear Dr. Michelson:

I have the honor to inform you of your election to the presidency of the National Academy of Sciences at the Annual Meeting held in Washington, during the business session of April 25, 1923, for the term ending in April, 1927.

Very respectfully yours,

David White
Home Secretary.

Dr. A. A. Michelson

The University of Chicago

Chicago, Illinois

NATIONAL ACADEMY OF SCIENCES

OFFICE OF THE HOME SECRETARY
SMITHSONIAN INSTITUTION
WASHINGTON, D.C.

April 27, 1927

Dear Dr. Michelson:

I have the honor to inform you of your election to the presidency of the National Academy of Sciences at the Annual Meeting held in Washington, during the business session of April 25, 1927, for the term ending in April, 1927.

Very respectfully yours,


Home Secretary

Dr. A. A. Michelson
The University of Chicago
Chicago, Illinois

Bruxelles, le 2-6-

1923.

PALAIS DES ACADEMIES

Monsieur,

J'ai l'honneur de vous faire savoir que la Classe des
Sciences

voulant vous témoigner l'estime qu'elle professe pour vos travaux,
vous a élu, dans la séance de ce jour, *Associé*

de la Section des *Sciences*
Mathématiques et physiques

La Classe en vous conférant cette distinction, espère vous
voir prendre part à ses travaux, en lui communiquant ce qui pour-
rait l'intéresser dans la branche que vous cultivez avec tant de
supériorité.

Je suis heureux, Monsieur, d'être en cette circonstance
l'organe et l'interprète de la Compagnie et de pouvoir vous offrir,
avec mes félicitations, l'expression de mes sentiments les plus
distingués.

Le Secrétaire perpétuel,

Paul Pelseneer

A Monsieur *Albert Michelson*
à Chicago

Monsieur

J'ai l'honneur de vous faire savoir que la classe des

sciences

veut vous témoigner l'estime qu'elle professe pour vos travaux.

Adressé

vous a été dans la séance de ce jour.

sciences

de la section des

sciences physiques et mathématiques

la classe en vous confiant cette distinction, espère vous

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l'organe et l'interprète de la gratitude et de l'estime que vous offrez

avec mes félicitations, l'expression de mes sentiments les plus

distingués.

Le secrétaire perpétuel,

W. de Selys-Longchamps

W. de Selys-Longchamps

INSTITUT

DE FRANCE



ACADÉMIE

DES SCIENCES

Paris le 3 avril 1924.

Les Secrétaires perpétuels de l'Académie des sciences à Monsieur le Professeur Albert MICHELSON, associé étranger de l'Académie des sciences de l'Institut de France, à Chicago.

Monsieur le Professeur et cher Confrère,

M. le Président de l'Institut Franklin, de Philadelphie, vient d'inviter l'Académie des sciences à se faire représenter aux fêtes qui auront lieu à Philadelphie, à partir du 17 septembre prochain, à l'occasion du centenaire de la fondation de cet établissement.

L'Académie des sciences, qui serait heureuse de vous confier cette mission, nous charge de vous demander si vous voudrez bien l'accepter.

Veuillez agréer, Monsieur le Professeur et cher Confrère, l'assurance de notre haute considération et de nos sentiments dévoués.

Macqu

Emile

DE FRANCE

INSTITUT

DES SCIENCES

ACADÉMIE



Paris le 3 avril 1884.

Les Secrétaires perpétuels de l'Académie des sciences à Monsieur
le Professeur Albert MICHELSON, associé étranger de l'Académie des
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surance de notre haute considération et de nos sentiments dévoués.

Michel
Michelson

INSTITUT

DE FRANCE

ACADÉMIE

DES SCIENCES



Paris le 5 mai 1924.

Les Secrétaires perpétuels de l'Académie des sciences à Monsieur Albert MICHELSON, professeur à l'Université de Chicago, associé étranger de l'Académie.

Monsieur le Professeur et très honoré Confrère,

Par lettre en date du 21 février 1924, M. le Président du Franklin Institute a invité l'Académie des sciences de l'Institut de France à se faire représenter aux fêtes qui auront lieu à Philadelphie, à partir du 17 septembre 1924, à l'occasion du centenaire de la fondation de cet Institut.

Nous avons l'honneur de vous faire connaître que l'Académie, en sa séance du 5 mai 1924, a décidé de vous demander, ainsi qu'à M. George Ellery HALE, de bien vouloir la représenter à cette cérémonie.

veuillez agréer, Monsieur le Professeur et très honoré Confrère l'assurance de notre haute considération et de nos sentiments dévoués.

Maus *Emil Picard*

DE FRANCE

INSTITUT

DES SCIENCES

ACADEMIE



Paris le 5 mai 1934

Les Secrétaires perpétuels de l'Académie des sciences à Mont-
sieur Albert MICHELSON, professeur à l'Université de Chicago, asso-
cié étranger de l'Académie.

Monsieur le Professeur et très honoré Collègue,

Par lettre en date du 21 février 1934, M. le Président du
Franklin Institut a invité l'Académie des sciences de l'Institut
de France à se faire représenter aux fêtes qui auront lieu à Phi-
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M. George Wilber Hale, de bien vouloir la représenter à cette cè-
rémonie.

Veuillez agréer, Monsieur le Professeur et très honoré Collègue,
l'assurance de notre haute considération et de nos sentiments dé-

voués.

M. Remy
G. B. G.



N^o 713

Torino, addì 10 luglio 1924

Ch^{mo} Collega

L'Università di Toronto, unitamente all'Istituto canadese hanno invitato la nostra Accademia a farsi rappresentare al Congresso matematico internazionale che si terrà colà dall'11 al 16 agosto; e l'Istituto Franklin ci rivolge una consimile preghiera per le feste centenarie che avranno luogo a Filadelfia dal 17 al 19 settembre.

Pensando che la G. V. M^{te} interverrà alle predette solennità, la prego di volermi rappresentare la nostra Accademia; e del favore la ringrazio fin d'ora a nome di essa.

Con sensi di buona colleganza

Ill^{mo} sig.
dr. Alberto Michelson
socio straniero della R. Accademia
delle scienze di Torino
Professore di fisica nell'Università
di

Chicago

L'Accademico Segretario

Mattirolo Oreste



Ms. 713

Chicago, Illinois, August 1924

Mr. C. C. Colledge

L'Università di Toronto, unita-
 mente all'Istituto canadese hanno invi-
 tato la nostra Accademia a fare rap-
 presentanza al Congresso internazionale
 interdisciplinare che si terrà colà dal 11
 al 18 agosto; e l'Istituto Pearson ci
 rivolge una cortese preghiera per
 la felice continuazione dei nostri lavori
 a Philadelphia dal 17 al 19 settembre.
 Rendiamo che la S.V. interverrà
 alle predette solennità, la prego di
 volerne rappresentare la nostra Acca-
 demia, e del favore la ringrazio fin
 d'ora a nome di essa.

Con tutti i buoni collegamenti

L. Accademia degli Scienziati

Matteo Ricci

Mr. C. C. Colledge
 Socio straniero della R. Accademia
 delle Scienze di Torino
 Professore di fisica nell'Università
 di Chicago

DEPARTMENT OF STATE

WASHINGTON

In reply refer to
SYS 592. A 3

July 17, 1924.

Dr. Albert Abraham Michelson, President,
National Academy of Sciences,
University of Chicago, Chicago, Illinois.

Sir:-

It affords me much pleasure to advise you that, at the instance of Secretary Hughes, you have been selected by the President for designation as a delegate to represent the United States at the Third Pan American Scientific Congress to open at the city of Lima, Peru, on December 20, 1924, and to terminate on January 6, 1925. Before making the designation, however, it is desired by the President that I should ascertain from you whether it would meet with your convenience to accept the appointment. No compensation would attach thereto, but your traveling and subsistence expenses while in this service would be defrayed from the appropriation of \$20,000 made in the Appropriation Act for the Department of State for the fiscal year ending June 30, 1925, "for the expenses of the delegates of the United States to the Third Pan American

DEPARTMENT OF STATE

WASHINGTON

July 17, 1924.

In reply refer to
SYS 502, A 3

Dr. Albert Abraham Michelson, President,
National Academy of Sciences,
University of Chicago, Chicago, Illinois.

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cal year ending June 30, 1925, "for the expenses of the
delegates of the United States to the Third Pan American

- 2 -

Scientific Congress".

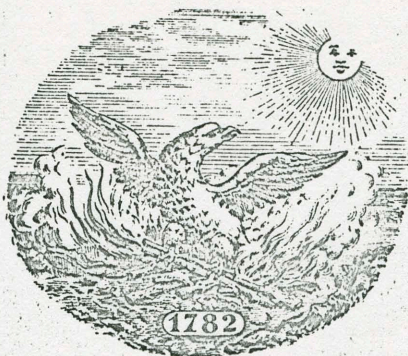
In the hope that I may receive an early favorable
response, I am, Sir,

Your obedient servant,

(Signed) Joseph C. Green

Acting Secretary of State.

SOCIETÀ ITALIANA DELLE SCIENZE



*Il Presidente della Società italiana
delle Scienze (detta dei XL) attesta che al
Signor Nichelson Alberto*

Abramo

*è stata conferita la medaglia Matteucci
per l'anno Millemovecentotré*

Roma, li 2 Gennaio 1925



IL PRESIDENTE

Matteucci

SOCIETÀ ITALIANA DELLE SCIENZE



Il Presidente della Società italiana

delle Scienze (della del XI) attesta che al

Signor Nicholas Albano

Albano

è stato conferita la medaglia d'oro

per l'anno Nicholas

Roma, li 2 Gennaio 1915

IL PRESIDENTE

Nicholas

BY THESE PRESENTS be it known, that, in grateful recognition of the unstinted and invaluable service rendered to his fellow man, his community and his nation,

Optimist International

Incorporated April 14th, 1925, as the

International Association of
Optimist Clubs

"FRIEND OF THE BOY"

PRESENTS THIS CERTIFICATE OF

LIFE MEMBERSHIP

TO

Dr. A. A. Michelson

SERVING

Science

on the Council of

INTERNATIONAL ADVISORS

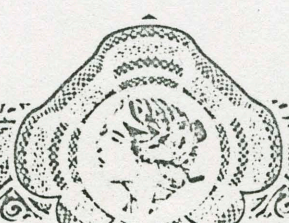
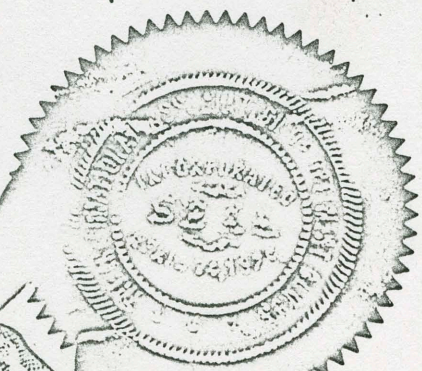
BE it further known that this certificate is given, that all men may know that this International Association has honored him with this high office as an evidence of its appreciation of his loyal, faithful and unselfish efforts in the interest of world-wide Optimism.

By order of the International Trustees

this 23rd day of May 1925

Cornelius Conway
President

E. V. Conway
Secretary



BY THESE PRESENTS be it known, that, in grateful recognition of the unstinted and invaluable service rendered to his fellow man, his community and his nation,

Optimist International

Incorporated April 16th, 1922, in the

Optimist Clubs International Association of

"FRIEND OF THE BOY"

PRESENTS THIS CERTIFICATE OF

LIFE MEMBERSHIP

TO

Dr. A. D. Nicholson

SERVING since on the Council of

INTERNATIONAL ADVISORS

BE it further known that this certificate is given, that all men may know that this International Association has honored him with this high office as an evidence of its appreciation of his loyal, faithful and unselfish efforts in the interest of world-wide Optimism.

By order of the International Executive

the 23rd day of May, 1927

Executive Council

President

W. A. Conway

Secretary



CARNEGIE INSTITUTION OF WASHINGTON
MOUNT WILSON OBSERVATORY
PASADENA, CALIFORNIA

Oct 5 1927

Dear Mr. Purdy
Sorry to learn of the failure
of the grating - If you and Donald
care to try it again I would
like to have you - Let me
know the results.

I think there will be but
little use trying anything now
with the gravity meter in its
present form - unless you
can find a suitable piece of
tungsten to substitute for the
steel. Pearson tells me there
is a sheet of Molybdenum which
may answer.

Very sincerely yours
J. A. Michelson

CARNEGIE INSTITUTION OF WASHINGTON
MOUNT WILSON OBSERVATORY
PASADENA, CALIFORNIA

CARNEGIE INSTITUTION OF WASHINGTON
MOUNT WILSON OBSERVATORY
PASADENA, CALIFORNIA



Mr. J. W. Pardy
Rensselaer Laboratory
University of Chicago
Chicago Ill.

The American Association
for the
Advancement of Science

Organized 1848

Incorporated 1874

This is to Certify
that

Albert A. Michelson

was elected to

Emeritus Life Membership

in the American Association for the Advancement
of Science by the ^{Executive Committee} ~~Council~~ of the Association, at ~~the~~ ^{its}
regular spring meeting, and is therefore
entitled to all the privileges of life membership
in the Association, including that of receiving
the official journal of the Association through-
out the remaining period of his life.

Dated: April 21, 1929.

Burton F. Livingston
Permanent Secretary

The American Association

for the Advancement of Science

San Francisco 1878

San Francisco 1878

This is to certify

that

Walter A. Wheeler

was elected a

Member of the Association

in the American Association for the Advancement of Science by the Council of the Association at its

regular spring meeting and is therefore

entitled to all the privileges of its membership

in the Association including that of receiving

the official journal of the Association through

the communication of said journal

Dated April 21 1878

Charles F. Smith

President

281121

Autofocusing

$$\partial \theta = \frac{1}{f} \partial b + c \partial \beta$$

$$\partial \theta = \frac{1}{f} \partial \theta = \frac{\partial \theta}{\partial \theta}$$

$$\frac{\partial \theta}{\partial \theta} = b + c \frac{\partial \theta}{\partial \theta}$$

$$\partial \theta = f b + c \theta$$

$$\partial \theta = \phi \partial \theta = \phi f b + \phi c \theta$$

$$\theta = \frac{1}{f}$$

$$\therefore \partial \theta = \phi f b + c \lambda$$

$$\partial \theta = \phi c \lambda$$

for $\theta = 1$, $\partial \theta = \frac{1}{400}$

for $\theta = .05$, $\partial \theta = \frac{1}{16000}$

(Price $\frac{1}{30}$)

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- for $M = 3000$ $8 \times .05$
- $2 \times \frac{1}{4} 2 \times$. P. 017
- ($pe \approx \frac{1}{4} 2 \times$)

8. Micro-effect
- put $\alpha = \frac{1}{4}$
- $\therefore \partial \bar{e} = \frac{1}{4} \bar{e} + c \bar{e}$
- $\bar{e} = 2 \bar{e}_0 + c \bar{e}_0$ $\bar{e}_0 = \frac{1}{4}$
- for $\frac{1}{4} = .10$ and $f = 1000$
- $\partial \bar{e} = .1 \times \frac{1}{40000} + \frac{1}{400} \times \frac{1}{2000}$
- $= \frac{1}{48000} \approx \frac{1}{50} \mu$
9. Six-like $b \approx 8$
10. Antelope-like
- $\beta = \frac{w}{f} = \frac{1}{4f}$
- $\therefore \partial \beta = b + \frac{c \beta}{f}$
- $\partial \bar{e} = \frac{1}{4} b + c \lambda$ $\phi = 0$
- $\partial \bar{e} = \frac{1}{4} c \lambda$

