

Washington
Award
Comm.

January 11, 1957

Mr. R. D. Maxson
Senior Vice President
Commonwealth Edison Company
72 West Adams Street
Chicago 90, Illinois

Dear Mr. Maxson:

I have consulted with Dr. W. A. Lewis, Jr. of Illinois Institute of Technology, who is Chairman of the AIEE Professional Development & Recognition Department, within which is encompassed the award activities of AIEE. Dr. Lewis has confirmed by impression that it has not been the policy of AIEE to make any "official nominations" such as referred to in Dr. Rettaliata's letter of December 5, 1956. To do this would involve the creation of machinery which does not exist in AIEE and which is not contemplated.

What I have done is to request the Chairmen of the Edison Medal Committee, the Lamme Medal Committee, and the Prize Awards Committee to offer recommendations directly to you. These will not be "official nominations" but they should represent suggestions based on a broad review of names that have been brought to the attention of these committees over the past few years.

Cordially yours,

NSH:CLM

N. S. Hibshman
Secretary

cc Dr. W. A. Lewis, Jr.
Mr. J. Earl Harrington

Washington
Award
Comm.

File

January 11, 1957

To the Chairmen Edison Medal Committee
Lanss Medal Committee
Prize Awards Committee
Board of Examiners

Gentlemen:

We have a request from Mr. R. D. Maxson, AIEE Representative on the Washington Award Commission, for proposal of candidates for consideration by the Commission, which will be meeting the early part of February to consider such proposal.

You will recall that the Washington Award is "To be annually presented to that engineer whose particular work in some special instance, or whose services in general have been noteworthy for their merit in promoting the public good".

It is requested that in making suggestions and proposing names, the following information be provided: 1) Full name, 2) Title or profession as usually listed in Who's Who, 3) Address, 4) Date & Place of Birth, 5) Education and Degrees, 6) Honors Awarded, 7) Technical-Scientific Society affiliations, 8) Chronological record of professional or administrative positions, with titles and dates for each period of employment, including services on important special commissions, committees or assignments, 9) Document and give sources of information with reference to available publications, if possible, 10) Achievements in Engineering, Science or Administration, 11) Accomplishments in Advancing Human Progress; promoting the happiness, comfort and well-being of humanity. Items 10 and 11 are of particular importance because they need to be based on personal knowledge.

The above record is desired to be confined to not more than two pages of letter-size paper, single spaced.

Special attention is called to the following paragraph from the rules of the Award Commission:

"The scope of this award is so broad that the Commission of Awards should be guided by the spirit of the letter of the founder, and not by specific rule. Mr. Alvord's letter indicates that in the selection of the recipient of the Award there should be no limitation as to the education, membership in any society or organization, or the circumstances of employment or official position. The only qualification necessary shall be that the recipient be an engineer of some reasonable

January 11, 1957

degree of professional skill or administrative attainment. It is the intent that this Award shall be an honor conferred on a brother engineer by his fellow-engineers on account of accomplishments which preeminently promote the happiness, comfort and well-being of humanity."

It is my understanding that names proposed at this time will be studied by the Commission and will become eligible for selection next year.

Please send your proposals to Mr. Raymond D. Maxson, Commonwealth Edison Co., 72 West Adams Street, Chicago 90, Illinois.

Very truly yours,

N.S. Hibelman
Secretary

NSH:CLM

cc Secretaries of above Committees



AMERICAN INSTITUTE of ELECTRICAL ENGINEERS

(HEADQUARTERS: 33 WEST THIRTY-NINTH STREET, NEW YORK 18, N. Y.)

PROFESSIONAL DEVELOPMENT AND RECOGNITION DEPARTMENT

1956-1957

P. L. ALGER, Schenectady, N. Y.
W. R. BROWNLEE, Birmingham, Ala.
G. J. CROWDES, Cambridge, Mass.
C. W. FRANKLIN, New York, N. Y.
L. R. GATY, Philadelphia, Pa.
J. A. HUTCHESON, Pittsburgh, Pa.
GUY KLEIS, East Pittsburgh, Pa.
J. H. LAMPE, Raleigh, N. C.

W. A. LEWIS, *Chairman*
Illinois Institute of Technology
3300 Federal Street
Chicago 16, Ill.

N. S. HIBSHMAN, *Secretary*
AIEE, 33 West 39th Street
New York 18, N. Y.

W. B. MORTON, Allentown, Pa.
B. G. A. SKROTZKI, New York, N. Y.
C. M. SUMMERS, Fort Wayne, Ind.
B. R. TEARE, JR., Pittsburgh, Pa.
E. A. WALKER, University Park, Pa.
W. C. WHITE, Boston, Mass.
E. R. WHITEHEAD, Chicago, Ill.
E. P. YERKES, Philadelphia, Pa.

January 15, 1957

Mr. Nelson S. Hibshman, Secretary
American Institute of Electrical Engineers
33 West 39th Street
New York 18, New York



Subject: Washington Award

Dear Nelson:

With reference to our previous correspondence and discussion on the subject of the Washington Award, it has occurred to me that an excellent candidate for the Washington Award would be Mr. D. A. Quarles, former president of the American Institute of Electrical Engineers. The Washington Award particularly seeks to recognize public service on the part of engineers, and I feel that Mr. Quarles more than meets this qualification. I have mentioned the possibility to Mr. Maxson, and he has said that he would be glad to pursue the nomination if provided with the necessary information regarding the qualifications of the candidate.

I do not have available the information regarding Mr. Quarles that would be necessary to make the nomination, and I am wondering if you do not have it in your files, in connection with his activities as president of the AIEE. The information required would have to do with the usual biographical information, including education and experience, and evidence regarding the outstanding services that the candidate has performed. If you do not have it in your own files, I suppose it would be no problem to obtain the information from the Telephone Company, and perhaps it would be relatively easy for you to make such a request.


Accordingly, may I ask that you collect the information regarding Mr. Quarles, and send it to Mr. Maxson with a letter indicating that the AIEE, through its Professional Development and Recognition Department, wishes to suggest Mr. D. A. Quarles as a candidate for the Washington Award.

Your attention to this request will be greatly appreciated.

Yours very truly,

W. A. Lewis, Chairman

CC: Mr. R. D. Maxson



Memo to : Miss M.E.Clarke

F r o m : Mr.N.S.Hibshman

D a t e : January 21, 1957

Washington Award

You will recall that we sent out a letter to the Chairmen & Secretaries of the Edison Medal, the Lamme Medal and perhaps the Prize Awards Committee asking for suggestions for the Washington Award. This, of course, is a problem for the Professional Development & Recognition Department. We then have the enclosed letter from Dr.W.A.Lewis, Chairman of the Department, who gives us a nomination of the PDR Department, which probably is enough to settle the matter but at the same time asks us to prepare the prospectus.

Will you please collect together what information we may have on D.A.Quarles in our files and see whether we have enough to cover the requirements as laid down by the Washington Award Committee and outlined in my letter to our committee chairmen. Such information may be available in connection with his Presidency of the Institute and his appointment to various honors and offices. Perhaps something of the sort was done when he was elected an Honorary Member of the Institute. At any rate, let's get together material on D.A.Quarles. This is not exactly a rush job because I think some time in the first week in February will be the time when it is needed. Come to think of it, that isn't so far away at that.

N.S.Hibshman
Secretary

NSH:CLM

WESTERN SOCIETY OF ENGINEERS

SERVING THE ENGINEERING PROFESSION



84 EAST RANDOLPH STREET
CHICAGO 1

TELEPHONE RANDOLPH 6-1736

J. EARL HARRINGTON
EXECUTIVE SECRETARY

January 25, 1957



Mr. N. S. Hibshman
Secretary
American Institute of Electrical Engineers
33 West 39th Street
New York 18, New York

Dear Nelson:

Upon my return from the CESS meeting in New York I found a copy of your January 11th letter to Mr. R. D. Maxson, concerning the Washington Award. I was pleased to learn that AIEE will make suggestions of names for consideration by the Commission through the Edison Medal Committee, the Lamme Medal Committee, and the Prize Awards Committee.


or
It is true that until three years ago the representatives of the various societies did not request the secretaries to put in motion suggested names from among their membership for their field of engineering activity. The new procedure was instituted about three years ago and has proved quite satisfactory in giving the Commission a greater number of names to consider for election to the eligible list, so that the following year's Commission could exercise greater selectivity over a wider spread of the profession. I am sorry that we were both so engaged in other activities in the meeting in New York that we did not have time to discuss this matter, but I hope that this will serve to explain it.

Cordially,

J. Earl Harrington
Secretary
Washington Award Commission

JEH:lf





Memo to : Miss M.E.Clarke
F r o m : Mr. N.S.Hibshman
D a t e : January 28, 1957

Washington Award

The Board of Directors endorsed the nomination of D.A. Quarles as the official AIEE candidate for the Washington Award. Therefore, there is nothing to stop us from getting out the material requested for this purpose.

N.S.Hibshman,
Secretary

NSH:CLM

January 29, 1957

✓ Mr. J. Earl Harrington
Secretary
Washington Award Commission
Western Society of Engineers
84 East Randolph Street
Chicago 1, Illinois

Dear Earl:

As you will see from a recent letter of mine to Mr. Maxson, the AIEE nomination for the Washington Award worked out exactly as I had thought it couldn't be done. How often we can manage this way I don't know.

It just happened that our Professional Development and Recognition Department picked up the idea from my letters to the several award committees and decided to make an official recommendation which was then taken up at the meeting of the Board of Directors and approved. Consequently, AIEE will have a really official nomination to make to the Commission instead of several unofficial suggestions. I believe you will agree that the Honorable Donald A. Quarles fits the specifications of the Washington Award quite well.

Cordially yours,

NSH:CLM

N.S. Hibshman
Secretary

Washington Award

January 29, 1957

Mr. Raymond D. Maxson
Public Service Co. of No. Illinois
72 West Adams Street
Chicago, Illinois

Dear Mr. Maxson:

At its meeting of January 25, 1957 the Board of Directors of AIEE endorsed a recommendation by the Professional Development and Recognition Department offering the name of the Honorable Donald A. Quarles, Secretary of the Air Force, as the official candidate of AIEE for the Washington Award.

A full statement supporting this nomination in the form suggested by the Commission is now being prepared for submission to you.

Will you please tell me the date of the next meeting of the Commission and the number of copies of this proposal that you would wish to have us place in your hands for distribution to the members of the Commission.

Cordially yours,

NSH:CLM

N.S. Hibshman
Secretary

cc Dr. W.A. Lewis, Jr.
Mr. J. Earl Harrington

BELL TELEPHONE LABORATORIES

INCORPORATED

463 WEST STREET, NEW YORK 14, N.Y.

CHELSEA 3-1000

February 1, 1957

MR. NELSON HIBSHMAN
AIEE
Headquarters, 33 West 39th St.
New York, N.Y.

Dear Mr. Hibshman:

In our telephone conversation today, I agreed to look up the name of the man whom it might be appropriate for you to contact in the Department of Defense for biographical data concerning Mr. D. Quarles. I believe if you write to this gentleman, he will be able to help you:

MR. C. HERSCHEL SCHOOLEY
Director of the Office of Public
Information & Special Activities
Department of Defense
Room 2E800
Pentagon Building
Washington 25, D.C.

In the meantime, I am enclosing some biographical data concerning Mr. Quarles and his activities here, which was prepared at the time he was named President of the Sandia Corporation.

If I can be of any further service to you, please let me know.

Yours very truly,

G. Griswold, Jr.

G. GRISWOLD, JR.
Information Manager

Enc.
TS BLR Mar. '52
Bio 2/15/52
Pic 193505

*2/4/57
Called Schooley's Office Secretary promised official biography
in mail today*

*Washington
Award*

February 6, 1957

Mr. J. Earl Harrington, Secretary
Western Society of Engineers
84 East Randolph Street
Chicago 1, Illinois

Dear Earl:

I am working on the nomination of Don Quarles for the Washington Award. Right now I am waiting for some material from the Pentagon. What is the deadline?

Cordially yours,

NSH:CLM

N.S. Hibshman
Secretary

Washington
Award
Comm.

February 8, 1957

Mr. R. K. Honaman
Bell Telephone Laboratories, Inc.
463 West St.
New York 14, N.Y.

Dear Karl:

Here are the eleven points that the Washington Award Commission wants covered for a candidate and here is the best I can do in presenting the candidacy of our friend Don Quarles as I was instructed to do by the Board of Directors of AIEE. I am afraid that my presentation is not strong enough in items 10 & 11, can you contribute anything along this line?

I think this thing is due pretty soon, although they have not given me a deadline. I appreciate the help that you have already given me on this, which is indeed considerable. If there is somebody in your organization that can contribute something to 10 or 11, I would appreciate that.

Cordially yours,

NSH:CLM

N.S. Hibshman
Secretary

Enc.

Washington Award

February 8, 1957

Mr. M. D. Hooven
Public Service Electric & Gas Co.
80 Park Place
Newark 1, N.J.

Dear Morris:

You will recall that at its meeting of January 25, 1957 the Board of Directors of AIEE VOTED to nominate Don Quarles for the Washington Award. I have enclosed herewith first of all an outline of the form in which the Washington Award wants the candidate's records presented, and then my draft of an effort of the record as I have been able to find it.

I think my presentation is all right up to item 10 but I think it is weak in items 10 & 11 and these are the two most important items for consideration.

Could I impose on you to make any contribution that you can to this presentation and particularly with respect to items 10 & 11?

Cordially yours,

NSH:CLM
Enc.

N.S. Hibshman
Secretary

P.S. I naturally, do not intend to let the facetious item 11 (b) stand in the final presentation.

NSH.

Washington Award

February 8, 1957

Dr. Harold S. Osborne
379 Highland Ave.
Upper Montclair, N.J.

Dear Dr. Osborne:

At its meeting of January 25, 1957 the Board of Directors of AIEE VOTED to submit on behalf of AIEE the name of Donald A. Quarles as a candidate for the Washington Award. Enclosed is the form to be followed in presenting such a candidate and my effort at filling it up.

Frankly, I don't think I have done a good job with 10 and 11. Can you contribute some suggestions for these parts? Also I would appreciate any additions you can offer for the rest of it or any corrections that you could make.

Please pay no attention to the facetious conclusion 11 (b).

Cordially yours,

N.S. Hibshman
Secretary

NSH:CLM
Enc.

AIEE
Gen.

AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS
33 WEST THIRTY-NINTH STREET
NEW YORK 18, N.Y.



TELEPHONE PENNSYLVANIA 6-9220
CABLE, CYANDRIC

February 8, 1957

Mr. M. D. Hooven
Public Service Electric & Gas Co.
80 Park Place
Newark 1, N.J.

ELECTRICAL ENGINEER
ELECTRIC ENGINEERING DEPT.

REC'D. FEB 11 1957

Noted _____

Referred to _____

Dear Morris:

You will recall that at its meeting of January 25, 1957 the Board of Directors of AIEE VOTED to nominate Don Quarles for the Washington Award. I have enclosed herewith first of all an outline of the form in which the Washington Award wants the candidate's records presented, and then my draft of an effort of the record as I have been able to find it.

I think my presentation is all right up to item 10 but I think it is weak in items 10 & 11 and these are the two most important items for consideration.

Could I impose on you to make any contribution that you can to this presentation and particularly with respect to items 10 & 11?

Cordially yours,

N.S. Hibshman
Secretary

NSH:CLM
Enc.

P.S. I naturally, do not intend to let the facetious item 11 (b) stand in the final presentation.

NSH.

DRAFT

(date)

TO THE COMMISSION OF AWARD for the WASHINGTON AWARD
Mr. J. Earl Harrington, Secretary
84 East Randolph Street
Chicago, Illinois

Gentlemen:

On recommendation of the Professional Development and Recognition Department, and the Admissions and Advancements Department; the Board of Directors of the American Institute of Electrical Engineers, at its meeting of January 25, 1957, VOTED unanimously to nominate for the Washington Award Honorable Donald A. Quarles, Secretary of the Air Force.

The following information about the AIEE candidate is presented in the form specified by the Commission ~~10/28/48~~ 10/28/48.

1. NAME: DONALD AUBREY QUARLES
2. TITLE OR PROFESSION - Electrical Engineers
3. ADDRESS: 3041 Porter St. N.W., Washington, D.C. (and Englewood, N.J.)
Business - The Pentagon.
4. BORN : July 30, 1894 - Van Buren, Arkansas
5. EDUCATION AND DEGREES - Van Buren High School, University of Missouri Summer School at Columbia, Missouri 1910, 1911, 1912; Yale University 1912-1916 B.A. '16; Part-time Graduate study in theoretical physics Columbia University 1920-1921; Doctor of Engineering (Hon.) University of Arkansas June 6, 1953; Doctor of Engineering (Hon.) New York University May 7, 1955.

6. HONOR AWARDS: Honorary Member AIEE, elected 2/2/56
7. MEMBER: Phi Beta Kappa, Sigma Xi, AAAS, Yale Engineering Association, Telephone Pioneers of American, Fellow, American Physical Society; Fellow, IRE: Fellow, AIEE, Director, President 1952-53.
8. PROFESSIONAL CAREER:
- 1910-1912 - Teacher Van Buren High School mathematics
 - 1917-1919 - United States Army Field Artillery in Europe, discharged with rank of Captain.
 - 1919-1924 - Transmission Engineering and Research Department, Western Electric Co.
 - 1924-1928 - Quality Assurance Department in Charge of Apparatus Inspection, Bell Telephone Laboratories.
 - 1929-1940 - Director of Outside Plant Development, Bell Labs.
 - 1940-1947 - Director of Transmission, Department, Bell Labs.
 - 1947-1952 - Vice-President, Bell Labs.
Chairman, Committee on Electronics of the Research and Development Board, United States Government.
 - 1952-1955 - Vice-President Western Electric Co. and President of Sandia Corporation.
 - September 1, 1953: Appointed Assistant Secretary of Defense (R&D)
 - January, 1954: Became First Chairman of the reorganized Air Navigation Development Board
 - March, 1954: Appointed member of the Naval Advisory Committee for Aeronautics

August 15, 1955: Sworn in as Secretary of the Air Force

9. SOURCES OF INFORMATION:

Who's Who in America 1956-1957; Bell Laboratories Record March 1952; Department of Defense Official Biography May 1956; ELECTRICAL ENGINEERING April 1952; TIME August 1955.

10. ACHIEVEMENTS IN ENGINEERING, SCIENCE OR ADMINISTRATION:

(a) During the war Dr. Quarles took a leading part in the development of military electronics, particularly radar.

(b) Publications: "A New Type of Underground Telephone Wire", Bell System Technical Journal July 1936; "Motion of Telephone Wires in Wind", Bell System Technical Journal, April 1930; "Radar Systems Considerations", ELECTRICAL ENGINEERING April, 1946.

11. ACCOMPLISHMENTS IN ADVANCING HUMAN PROGRESS:

(a) Member and President City Council of Englewood, N.J., 1940-1946, Mayor 1946-1948.

(b) If he doesn't succeed in the present position, there may not be much "comfort and well-being of humanity" in these parts for awhile.

WESTERN SOCIETY OF ENGINEERS
SERVING THE ENGINEERING PROFESSION



84 EAST RANDOLPH STREET
CHICAGO 1
TELEPHONE RANDOLPH 6-1736

J. EARL HARRINGTON
EXECUTIVE SECRETARY



February 11, 1957

Mr. N. S. Hibshman
Secretary
American Institute of Electrical Engineers
33 West 39th Street
New York 18, New York

Dear Nelson:

This will acknowledge your letter of inquiry dated February 6, 1957.

In order that the present commission can vote on the eligibility of Don Quarles material should be submitted not later than April 15, 1957.

The attached form will assist you in compiling Mr. Quarles' qualifications.

Sincerely yours,

J. Earl Harrington
Executive Secretary

JEH:lf
attachment



THE WASHINGTON AWARD COMMISSION

Sample form for presenting information required by the Commission in passing upon qualifications of proposed candidates for the Award.

1. (NAME) (Give full name)
2. (TITLE or PROFESSION) (As usually listed in Who's Who)
3. (ADDRESS) (Either home or business)
4. BORN: (Date and place)
5. EDUCATION AND DEGRESS:
(College or University degrees with dates received, also including honorary degrees conferred)
6. HONOR AWARDS:
(Made by other professional societies, governments, etc., with name of institution and date awarded)
7. MEMBER OF:
(Engineering, technical or scientific societies, and grade of membership in each)
8. PROFESSIONAL CAREER:
(Chronological record of professional or administrative positions, with titles and dates for each period of employment)

Other Professional Activities
(Service on important special commissions, committees or assignments)
9. SOURCE OF INFORMATION:
(Record of source of the facts stated above, with date of publication--- Who's Who or other source)
10. ACHIEVEMENTS IN ENGINEERING, SCIENCE OR ADMINISTRATION:
(Professional skill or administrative attainments)
11. ACCOMPLISHMENTS IN ADVANCING HUMAN PROGRESS:
(Promoting the happiness, comfort and well-being of humanity)

NOTE: Items 1 to 9 inclusive are obtainable from Who's Who, citations of honor awards or other authentic published information. Items 10 and 11 require personal or first hand knowledge of the candidates proposed and may be supplemented by abstracts from other honor awards or biographies. The record must be confined to two pages of letter size sheet, single spaced.

This form conforms to requirements previously adopted by the Commission.

(Before proposing a candidate, please read paragraph 4 of the rules of the Commission.)

7/3/45; 10/28/48

*Washington
Award*

February 13, 1957

Mr. J. Earl Harrington
Executive Secretary
Western Society of Engineers
84 East Randolph Street
Chicago 1, Illinois

Dear Earl:

It is a relief to get your letter of February 11, 1957. Somehow I thought that the Washington Award Commission was just about to meet any day now. I have the Quarles' application all completed except for Items 10 & 11 and I have sent out a call to his friends to supply information under these heads. I am afraid it is going to be a little difficult because so much of his work was done during the war years and recently either on Government projects or directly for the Defense Department. However, we will do our best to give you a complete picture and I am glad that we have six or eight weeks more to work on it although I think two or three will be enough.

Cordially yours,

NSH:CLM

N.S. Hibshman
Secretary

Washington
Award

RAndolph 6-1200

Washington
Award

COMMONWEALTH EDISON COMPANY

72 WEST ADAMS STREET • CHICAGO 90, ILLINOIS

February 14, 1957

Mr. N. S. Hibshman, Secretary
American Institute of Electrical
Engineers
33 West Thirty-Ninth Street
New York 18, N.Y.



Dear Mr. Hibshman:

Before Mr. Maxson left town he asked me to send you the attached sample form for presenting information to the Washington Award Commission for the A.I.E.E. candidate, Honorable Donald A. Quarles.

The Commission would appreciate receiving 20 copies of the information not later than March 15, 1957.

Very truly yours,

Herbert C. Hoff
Herbert C. Hoff,
Staff Assistant

Att.

BELL TELEPHONE LABORATORIES

INCORPORATED

463 WEST STREET, NEW YORK 14, N.Y.

CHELSEA 3-1000

February 15, 1957

MR. N. S. HIBSHMAN, Secretary
American Institute of Electrical Engineers
33 West 39th Street
New York 18, N.Y.

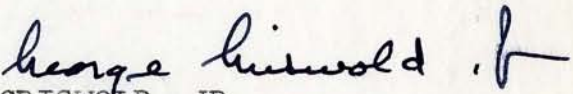
Dear Mr. Hibshman:

In Mr. Honaman's absence from the city, I am returning to you, attached, the copy you sent him of your letter to the Commission for the Washington Award, concerning Mr. D. A. Quarles.

Based on information available here and on talks with people who knew him when he was here, we have made some changes in and additions to your letter. I am also enclosing a copy of the citation used when Mr. Quarles was awarded the honorary Doctor of Science degree by Stevens Institute last June, and a copy of a Saturday Evening Post article about Mr. Quarles. It occurred to me that some of this material might be used to expand and strengthen Sections 10 and 11 of your letter.

I hope our suggestions and the enclosed information will be helpful. Please don't hesitate to call me if there is anything further we can do.

Yours very truly,


G. GRISWOLD, JR.
Information Manager

Att.
As above

Washington Award

Washington Award

HAROLD S. OSBORNE
CONSULTING ENGINEER

379 HIGHLAND AVENUE • UPPER MONTCLAIR, NEW JERSEY

February 19, 1957



Mr. N. S. Hibshman, Secretary
American Institute of Electrical Engineers
33 West 39th Street
New York 18, New York

Dear Nelson:

I am pleased to learn from your letter of February 8th that the A.I.E.E. is submitting the name of Donald Quarles as a candidate for the Washington Award.

Mr. Honaman and his department have reviewed Dr. Quarles' record at the Laboratories and have sent you supplementary suggestions. I do not have anything to add to these suggestions.

I find that Morris Hooven has got further information regarding Quarles' activities as a citizen of Englewood, and he seems to me to have covered that point.

I am not able to add anything to the suggestions which they have sent to you.

With best regards,

Yours very sincerely,

Harold Osborne

HSO/bm

February 19, 1957

Mr. George Griswold, Jr.
Information Manager
Bell Telephone Laboratories Inc.
463 West St.
New York 14, N.Y.

Dear Mr. Griswold:

Many thanks for your important additions to my report on Dr. Quarles for the Washington Award Commission.

I had heard about the Saturday Evening Post story but I had not had an opportunity to see it. I am also going to look up the TIME magazine story which I did read when it first appeared. The Doctor of Science from Stevens was completely missed.

Thanks again.

Cordially yours,

NSH:CLM

N.S. Hibshman
Secretary

March 6, 1957

✓ Mr. J. Earl Harrington, Secretary
Washington Award Commission
Western Society of Engineers
84 East Randolph St.
Chicago 1, Illinois

Dear Earl:

Enclosed are 25 copies of a letter from the Board of Directors of AIEE to the Washington Award Commission nominating Dr. Donald A. Quarles for the Washington Award.

This is an official nomination from AIEE which originated in the form of recommendations from the Admissions and Advancements Department, which includes the Board of Examiners, and from the Professional Development and Recognition Department, which includes the Prize Awards Committee, and all of the Medals Committees of AIEE. Acting on these recommendations the Board of Directors voted unanimously to present this nomination to the Washington Award Commission.

The presentation may be a little long by your standards but I don't think I ought to cut it down materially because where repetition occurs it frequently represents an expression of opinion which is quoted or is otherwise needed for the complete expression of the thought.

If anything else is needed for an adequate presentation of this nomination, please let me know in time to supply it to the Commission before the deadline.

Cordially yours,

NSH:CLM

N.S. Hibshman
Secretary

cc Mr. Raymond D. Maxson
Dr. W.A. Lewis, Jr.
Professor M.S. Coover

AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS
33 WEST THIRTY-NINTH STREET
NEW YORK 18, N.Y.



TELEPHONE PENNSYLVANIA 6-9220
CABLE: CYANDRIC

March 6, 1957

TO THE WASHINGTON AWARD COMMISSION
84 East Randolph Street
Chicago, Illinois

NOMINATION OF DONALD A. QUARLES

Gentlemen:

The Board of Directors of the American Institute of Electrical Engineers, at its meeting of January 25, 1957, voted unanimously to nominate for the Washington Award Honorable Donald A. Quarles, Secretary of the Air Force.

The following information is presented as specified by the Commission 10/28/48.

1. NAME: DONALD AUBRY QUARLES
2. TITLE OR PROFESSION: Electrical Engineer
3. ADDRESS: Residence - 3041 Porter St. N.W., Washington, D.C.
Business - The Pentagon. (for many years a resident of Englewood, N.J.)
4. BORN: July 30, 1894 - Van Buren, Arkansas
5. EDUCATION AND DEGREES: Van Buren High School, University of Missouri Summer School at Columbia, Missouri 1910, 1911, 1912; Yale University 1912-1916 B.A. '16; Part-time Graduate study in theoretical physics Columbia University 1920-1921; Doctor of Engineering (Hon.) University of Arkansas June 6, 1953; Doctor of Engineering (Hon.) New York University May 7, 1955; Doctor of Science (Hon.) Stevens Institute of Technology, June 9, 1956.
6. HONOR AWARDS: Honorary Member AIEE, elected 2/2/56
7. MEMBER: Phi Beta Kappa, Sigma Xi, AAAS, Yale Engineering Association, Telephone Pioneers of America, Fellow, American Physical Society; Fellow, IRE: Fellow, AIEE, Director, President 1952-53.
8. PROFESSIONAL CAREER:
 - 1910-1912 - Teacher Van Buren High School mathematics
 - 1917-1919 - United States Army Field Artillery in Europe, discharged with rank of Captain.
 - 1919-1924 - Transmission Engineering and Research Department, Western Electric Co.
 - 1924-1928 - Quality Assurance Department in Charge of Apparatus Inspection, Bell Telephone Laboratories.
 - 1929-1940 - Director of Outside Plant Development, Bell Labs.
 - 1940-1944 - Director of Transmission, Development, Bell Labs.
 - 1944-1947 - Director of Apparatus Development, Bell Labs.
 - 1947-1952 - Vice-President, Bell Labs.
Chairman, Committee on Electronics of the Research and Development Board, United States Government.
 - 1952-1953 - Vice-President Western Electric Co. and President of Sandia Corporation. September 1,
 - 1953: Appointed Assistant Secretary of Defense (R&D) January,
 - 1954: Became First Chairman of the reorganized Air Navigation Development Board.
 - March, 1954: Appointed member of the Naval Advisory Committee for Aeronautics August 15,
 - 1955: Sworn in as Secretary of the Air Force.

See next page for (B)

3/6/57
sent
to:
JE. Harrington
1 each
to:-
Messrs.
Mason
W.A. Lewis
MSC
Shutski
MDN
J.D. Osborne
R.K. Honan
C2m

9. SOURCES OF INFORMATION:

Who's Who in America 1956-1957; Bell Laboratories Record March 1952; Department of Defense Official Biography, May 1956; ELECTRICAL ENGINEERING April 1952; TIME August 1955, Saturday Evening Post.

10. ACHIEVEMENTS IN ENGINEERING, SCIENCE OR ADMINISTRATION:

(a) "From the very beginning of his professional career Dr. Quarles displayed those qualities of penetrating, incisive and inspiring technical leadership which thrust him in the forefront of scientific advance. In the Bell Telephone Laboratories he directed numerous electronic developments of great moment, including coaxial cable systems for multi-channel telephony and television, and military electronic systems which have played a leading role in our security as a nation, both in war and in the prevention of war."

(b) Publications: "A New Type of Underground Telephone Wire", Bell System Technical Journal July 1936; "Motion of Telephone Wires in Wind", Bell System Technical Journal, April 1930; "Radar Systems Considerations", ELECTRICAL ENGINEERING April, 1946; "Buried Telephone Cable," Bell Laboratories Record, November 1936; "Ordnance Electronics. New Concepts in the Act of Fire Control," Ordnance, Sept-Oct. 1948; "Electronics in Air Power," Aero Digest, Sept. 1949.

(c) He has been granted 14 patents.

11. ACCOMPLISHMENTS IN ADVANCING HUMAN PROGRESS:

(a) Member and President City Council of Englewood, N.J., 1940-1946, Mayor 1946-1948. W. S. Davis, Hackensack, N.J.

(b) "Mr. Donald Quarles, in addition to being Mayor of the City of Englewood, did one very outstanding job in the service of the people of Bergen County.

"For many years the question of sewerage disposal was discussed by governing bodies, and while most of the municipalities had some form of treatment plants, Mr. Quarles was one of those farsighted individuals who realized that the then existing facilities would not be adequate very long.

"The Bergen County Sewer Authority was created by the Board of Freeholders, under special legislation of the state, and this Authority began operation in 1945, with Mr. Quarles as its first chairman. He served until December 1950 when he was forced to resign because of requirements of his personal business out of New Jersey.

"Stage #1 of the Bergen County Sewer Authority serves the Overpeck Area. A trunk sewer system was installed from Cresskill in the north end to Little Ferry in the south end of the county, and the municipalities of Cresskill, Tenafly, Englewood, Fort Lee, Cliffside, Fairview, Ridgefield, Palisades Park, Leonia, Teaneck, Bogota and Ridgefield Park are now being served. The treatment plant is located in Little Ferry on the west bank of the Hackensack River. The system has cost up to date approximately 13 million dollars, and Mr. Quarles was the leader in the program, not only of raising the funds, but supervising the carrying out of the actual construction."

(c) Citation for the honorary degree of Doctor of Science, Stevens Institute of Technology June 9, 1956:-

"A researcher who became a director of researchers, he has by his penetrating analysis of scientific problems, especially in the fields of electronics and atomic energy, and by his talent for inspiring solutions to those problems, made science serve his country in peace and war and in the prevention of war.

"A Yale liberal arts graduate and a member of both Phi Beta Kappa and Sigma Xi, he joined what became Bell Telephone Laboratories shortly after service as an Army officer in World War I. With that company he rose to vice-president by directing the development of a number of significant advances in electronics, including coaxial systems for multi-channel telephony and television as well as important military devices.

"In 1952 he turned from electronics to nuclear energy in becoming president of Sandia Corporation, which was charged with the design and development of nuclear weapons for the Atomic Energy Commission. So well did he perform this task that the A.E.C. invited him to become its general manager. He chose instead to become the nation's first Assistant Secretary of Defense for Research and Development.

"A native of Arkansas, he got his first preparation for the whirlpool of Washington politics as mayor of Englewood, New Jersey and as the chairman of the Bergen County Sewer Authority of that same state.

"In recognition of his scientific insight and his persuasive leadership, employed now in directing the future of our most mobile line of national defense, I ask you, Sir, to confer upon him the degree of Doctor of Science, honoris causa."

(d) Paul F. Healy in the Saturday Evening Post:-


"When he went into the Defense Department, Quarles had given up a \$40,000-a-year salary for less than half of that. He once remarked that "if I can do anything in Government to help make the world safe for my grandchildren, it's worth it."

"As Assistant Defense Secretary, he was in charge of a \$2,000,000,000-a-year program of weapons development, including projects relating to chemical and biological warfare as well as rockets and guided missiles. He also had a hand in the Government's plan, announced in 1955, to release an earth-circling satellite. And he was permitted to labor in comparative obscurity.

"All (his) background makes Quarles a supermodern managerial type, with extra dimensions. This is fortunate, for running the Air Force is now the biggest operating job in the world. The \$16,000,000,000 the Air Force is spending this fiscal year is roughly equal to the spending level of the Army and Navy combined. Its \$60,000,000,000 in assets dwarfs the world's largest manufacturing company, General Motors, whose assets amount to a mere \$5,300,000,000. Furthermore the Air Force labors under the tension of keeping itself in a constant state of readiness for instant retaliation against an aggressor.

"Quarles answers all his mail personally, sometimes writing warm and chatty letters in longhand to strangers. When a columnist for a weekly newspaper in Arkansas wrote Quarles for some biographical information, the then assistant Defense Secretary replied that "it certainly is flattering to have you propose to write a column about me." He then gave the columnist more personal data than he had ever divulged to the Defense Department public-relations staff."

THE BOARD OF DIRECTORS, AIEE


N. S. Hibshman
Secretary

50 copies
Single spaced
on pads only
collect
DRAF-
Try to get it all on
2 pages

LETTER HEAD

Washington
Award

(date)

TO THE COMMISSION ~~OF AWARD for the~~ WASHINGTON AWARD
~~Mr. J. Earl Harrington, Secretary~~
84 East Randolph Street
Chicago, Illinois

NOMINATION OF DONALD A. QUARLES

Gentlemen:

~~On recommendation of the Professional Development
and Recognition Department, and the Admissions and Advancements
Department;~~ The Board of Directors of the American Institute of
Electrical Engineers, at its meeting of January 25, 1957, ~~VOTED~~ ^{noted}
unanimously to nominate for the Washington Award Honorable Donald A.
Quarles, Secretary of the Air Force.

The following information ~~about the AIEE candidate is~~ ^{is}
presented ~~in the form~~ ⁹⁵ specified by the Commission ~~10/28/48~~ 10/28/48.

1. NAME: DONALD ^{AUBRY} ~~AUBRY~~ QUARLES
2. TITLE OR PROFESSION: * Electrical Engineer
3. ADDRESS: ^{Residence -} 3041 Porter St. N.W., Washington, D.C. ^(for many years a resident of) ~~Englewood, N.J.~~
- Business - The Pentagon. ()
4. BORN : July 30, 1894 - Van Buren, Arkansas
5. EDUCATION AND DEGREES: * Van Buren High School, University of
Missouri Summer School at Columbia, Missouri 1910, 1911,
1912; Yale University 1912-1916 B.A. '16; Part-time Graduate
study in theoretical physics Columbia University 1920-1921;
Doctor of Engineering (Hon.) University of Arkansas
June 6, 1953; Doctor of Engineering (Hon.) New York
University May 7, 1955; Doctor of Science (Hon.) Stevens
Institute of Technology, June 9, 1956.

6. HONOR AWARDS: Honorary Member AIEE, elected 2/2/56
7. MEMBER: Phi Beta Kappa, Sigma Xi, AAAS, Yale Engineering Association, Telephone Pioneers of America, Fellow, American Physical Society; Fellow, IRE: Fellow, AIEE, Director, President 1952-53.
8. PROFESSIONAL CAREER:
- 1910-1912 - Teacher Van Buren High School mathematics
 - 1917-1919 - United States Army Field Artillery in Europe, discharged with rank of Captain.
 - 1919-1924 - Transmission Engineering and Research Department, Western Electric Co.
 - 1924-1928 - Quality Assurance Department in Charge of Apparatus Inspection, Bell Telephone Laboratories.
 - 1929-1940 - Director of Outside Plant Development, Bell Labs.
 - 1940-1947 - Director of Transmission, ^{Development} ~~Department~~, Bell Labs.
 - 1944-1947 - *Director of Apparatus Development, Bell Labs.*
 - 1947-1952 - Vice-President, Bell Labs.
Chairman, Committee on Electronics of the Research and Development Board, United States Government.
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August 15, 1955: Sworn in as Secretary of the Air Force

9. SOURCES OF INFORMATION:

Who's Who in America 1956-1957; Bell Laboratories Record March 1952; Department of Defense Official Biography May 1956; ELECTRICAL ENGINEERING April 1952; TIME August 1955; ~~Saturday~~ SATURDAY EVENING POST.

10. ACHIEVEMENTS IN ENGINEERING, SCIENCE OR ADMINISTRATION:

Rec insert "A", attached
(a) During the war Dr. Quarles took a leading part in the development of military electronics, particularly radar.

(b) Publications: "A New Type of Underground Telephone Wire", Bell System Technical Journal July 1936; "Motion of Telephone Wires in Wind", Bell System Technical Journal, April 1930; "Radar Systems Considerations", ELECTRICAL ENGINEERING April, 1946; "Buried Telephone Cable," Bell Laboratories Record, Nov. 1936; "Ordinance Electronics. New Concepts in the Art of Fire Control," Ordinance, Sept.-Oct. 1948; "Electronics in Air Power," Also Digest, Rept. 1949.

(c) *He has been granted 14 patents.*

11. ACCOMPLISHMENTS IN ADVANCING HUMAN PROGRESS:

(a) Member and President City Council of Englewood, N.J., 1940-1946, Mayor 1946-1948. ~~Also served as chairman of the Bergen County (N.J.) - Hackensack River Sanitary Sewer District Authority.~~

(b) If he doesn't succeed in the present position, there may not be much "comfort and well-being of humanity" in these parts for awhile.

August 15, 1955; sworn in as Secretary of the Air Force

9. SOURCE OF INFORMATION:

Who's Who in America 1956-1957; Bell Laboratories Record

March 1955; Department of Defense Official Biography

(a) "From the very beginning of his professional career ^{Dr. Quarles} ~~he~~ displayed those qualities of penetrating, incisive and inspiring technical leadership which thrust him in the forefront of scientific advance. In the Bell Telephone Laboratories he directed numerous electronic developments of great moment, including coaxial cable systems for multi-channel telephony and television, and military electronic systems which have played a leading role in our security as a nation, both in war and in the prevention of war."

(A)

11. ACCOMPLISHMENTS IN ADVANCING TECHNICAL PROGRESS:

(a) Member and President City Council of Englewood, N.J., 1940-

1946, Mayor 1946-1948. *(Faint handwritten notes)*

(b) If he doesn't succeed in the present position, there may not be much "contingency" and will-being of industry in those parts

(B)

for article.

Public Service Electric and Gas Company

235 Main Street
Hackensack, N. J.
February 13, 1957

ELECTRICAL ENGINEER
ELECTRIC ENGINEERING DEPT.

REC'D. FEB 14 1957

Noted _____

Referred to _____

Mr. Morris D. Hooven
80 Park Place
Newark, New Jersey

Dear Morris:
W.S. Davis, Hackensack, N.J.

- (b) " Mr. Donald Quarles, in addition to being Mayor of the City of Englewood, did one very outstanding job in the service of the people of Bergen County.
- " For many years the question of sewerage disposal was discussed by governing bodies, and while most of the municipalities had some form of treatment plants, Mr. Quarles was one of those farsighted individuals who realized that the then existing facilities would not be adequate very long.
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Hope this will be helpful to you in giving Mr. Quarles the high type of recommendation which he so justly deserves. He was a great citizen of Bergen County, but does not live here at the present time.

Sincerely yours,

Bill

W.S. Davis

(c)

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But how has Quarles' low key personality affected the flamboyant "fly boys" under him?

" As Assistant Defense Secretary, he was in charge of a \$2,000,000,000-a-year program of weapons development, including projects relating to chemical and biological warfare as well as rockets and guided missiles. He also had a hand in the Government's plan, announced in 1955, to release an earth-circling satellite. And he was permitted to labor in comparative obscurity. As one Defense official put it, "He works in things nobody understands anyway, so we might as well leave him alone."

Quarles answers all his mail personally, sometimes writing warm and chatty letters in longhand to strangers. When a columnist for a weekly newspaper in Arkansas wrote Quarles for some biographical information, the then assistant Defense Secretary replied that "it certainly is flattering to have you propose to write a column about me." He then gave the columnist more personal data than he had ever divulged to the Defense Department public-relations staff.

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