

DRXRO-MA

26 June 1981

Commander  
US Army Materiel Systems Analysis  
Activity  
ATTN: DRXSY-RM (Dr. Larry Crow)  
Aberdeen Proving Ground, MD 21005

Dear Larry:

As you know, the Army Mathematics Steering Committee has been extended the opportunity of coordinating a second Wilks Award. There have been some trying moments over the past several months, but I feel that we have now completed the arrangements satisfactorily. There remains the approval of the Secretary of the Army.

I recently received written and oral reassurance from Mr. Philip G. Rust, the donor of the endowment for both Wilks awards, that he feels that the Army Mathematics Steering Committee is the appropriate agency for administering the new award. (Encl 1 and 2). The new award is supposed to specifically cite service to the Army or DoD as well as contributions to the field of statistics.

The Selection Committee for the first "Wilks Award for Outstanding Contributions to Statistical Methodologies in Army Research, Development and Testing" have been invited to participate and all have agreed to serve. The committee consists of the following:

Gerald Andersen, DARCOM  
H. A. David, Iowa State University  
Robert Launer, ARO, Chairman  
Douglas Tang, WRAIR  
John Tukey, Princeton University

I urge each of you to send nominations to the committee chairman. Any information about the nominee's service to the U. S. Army and DoD would be very helpful to the committee in making its choice. We want to present the first award at this year's Design of Experiments Conference, so please, don't wait too long.

Sincerely,

Encls

1. Letter from Rust
2. Letter to Rust

JAGDISH CHANDRA

Chairman, Army Mathematics  
Steering Committee

DRXRO-MA

26 June 1981

Director  
Ballistic Research Laboratory  
ATTN: DRDAR-BLB (Dr. Stephen Wolff)  
Aberdeen Proving Ground, MD 21005

Dear Steve:

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Chairman, Army Mathematics  
Steering Committee

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26 June 1981

Mr. Carl B. Bates  
Math Stat Team, CSCA-MCT  
US Army Concepts Analysis Agency  
8120 Woodmont Avenue  
Bethesda, MD 20014

Dear Mr. Bates:

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26 June 1981

Director  
Ballistic Research Laboratory  
ATTN: DRDAR-BLB (Dr. Malcolm Taylor)  
Aberdeen Proving Ground, MD 21005

Dear Dr. Taylor:

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JAGDISH CHANDRA  
Chairman, Army Mathematics  
Steering Committee

DRXRO-MA

26 June 1981

Commander  
HQS, US Army Materiel Development  
and Readiness Command  
ATTN: Dr. Gerald Andersen  
5001 Eisenhower Avenue  
Alexandria, VA 22333

Dear Jerry:

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DRXRO-MA

26 June 1981

Dr. Walter D. Foster  
Armed Forces Institute of Pathology  
Room M-127  
Washington, DC 20306

Dear Wally:

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DRXRO-MA

26 June 1981

Dr. Douglas B. Tang  
Chief, Department of Biostatistics/  
Applied Math  
Division of Biometrics & Medical  
Info Processing  
Walter Reed Army Institute of Research  
Washington, DC 20012

Dear Doug:

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DRXRO-MA

26 June 1981

Commander  
US Army Natick Research and Development  
Laboratories  
ATTN: DRDNA-ZSA  
Dr. Edward W. Ross, Jr.  
Natick, MA 01760

Dear Ed:

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JAGDISH CHANDRA  
Chairman, Army Mathematics  
Steering Committee

OPEN LETTER ON THE NEW WILKS AWARD

TO: Chairman, Army Mathematics Steering Committee

FROM: Dr. R. L. Launer

This letter is being written as a result of my recent involvement with the establishment of a new Wilks award. The reason for bringing this matter to your attention will become clear.

The Samuel S. Wilks Memorial Medal and Award was initiated in 1964 with a \$5000 gift from Mr. Philip B. Rust of Thomasville, Georgia. This award, presented each year at the Army Design of Experiments Conference, has been coordinated and administered by the American Statistical Association, because of the difficulties involved at that time in administering the funds internally. Mr. Rust intended that this award be given to a statistician for contributions to Army technology. Unfortunately, he did not compose a specific citation which would be used as a guide in choosing the annual winner of the award. A complete record of the ceremonial remarks made at the time of the initial award are given in the proceedings of the Tenth Design of Experiments Conference (Inclosure 1).

I have received complaints about the recent winners of the Wilks award. These were communicated to Dr. Ralph Bradley of Florida State University and President of the American Statistical Association. As the result of the ensuing protracted conversations, Mr. Rust made a second gift to the ASA for the establishment of a second Wilks award, and to augment the endowment for the original Wilks award (Inclosure 2).

I subsequently discovered the Army Gifts and Donations Office under the Office of the Secretary of the Army (AR 1-100). This Office acts as custodian for gifts to the Army and administers the proceeds through an Army organization. In my opinion the AMSC is an appropriate organization.

In order that the new Wilks award begin on a firm basis, with the first award given in 1981 if possible, and to avoid unforeseen difficulties and criticisms, I propose that the new Army Wilks award be administered in accordance with the following points.

1) The award should be called "The Wilks Award for Contributions to Methodologies in Army Research, Development and Testing."

2) The award winner should be chosen by a majority vote of an ad-hoc committee of 5 statisticians. The committee should consist of at least 2 statisticians from the Army community and at least 2 statisticians from academia, each serving for 2-year terms. The initial committee should be appointed by the Chairman of the AMSC. Thereafter, the subcommittee on Statistics and Probability shall annually nominate one new member. The winner of the award may replace one member of the selection committee for the following year. The Chairman of the AMSC may act as a non-voting chairman of the selection committee, or he may appoint a representative to act in his stead (voting or non-voting).

3) The Chairman of the selection committee should convene the selection committee early enough that the award can be made at the annual Design of Experiments Conference.

4) Nominations of candidates for the award may be forwarded to any member of the selection committee. Solicitations may also be made through announcement letters for the annual DOE conference, or any other appropriate method.

5) The chairman of the selection committee should serve as the coordinator of the award money. This should be in the form of a check made payable to the winner of the award.

As you know, there is a new Wilks Award.

In response to certain criticisms about the recent winners of the Samuel S. Wilks Memorial Medal and Award, Mr. Philip G. Rust of Thomasville, Ga. has generously donated a sum of money for the establishment of a new Wilks award, and to increase the endowment of the original award. Mr. Rust donated the funds for the original Wilks award.

The conditions associated with this gift are:

- 1) The title of the new award must contain the word Army as well as Wilks' name.
- 2) The award should specifically cite contributions to Army Statistics and statistics and mathematics as well as contributions to the statistical sciences,
- 3) The award should be presented at the annual Army Design of Experiments Conference.

Mr. Rust felt that it would be appropriate to allow the American Statistical Association to present the original award at one of its annual meetings.

After extensive correspondence, The Secretary of the Army approved the Army Mathematics Steering Committee to coordinate the award in conjunction with the Army Research Office. The AMSC has named the new award, THE WILKS AWARD FOR CONTRIBUTIONS TO STATISTICAL METHODOLOGIES IN ARMY RESEARCH, DEVELOPMENT, AND TESTING.

GROUND RULES AND GUIDELINES FOR THE  
SELECTION COMMITTEE FOR

THE WILKS AWARD FOR CONTRIBUTIONS

TO STATISTICAL METHODOLOGIES IN

ARMY RESEARCH, DEVELOPMENT, AND

TESTING

July 1981

COORDINATED BY

THE ARMY MATHEMATICS STEERING COMMITTEE

## BACKGROUND

A new Wilks award for contributions to Army Statistical Methodology has been established by a gift of \$10,000 from Mr. Phillip G. Rust of Thomasville, Georgia on December 31, 1980. This award is to commemorate the late Professor Samuel S. Wilks and was given with the following conditions.

- a) The new Wilks award must be presented at the annual Army Design of Experiments Conference.
- b) The title of the award must contain the word Army and the name Wilks.
- c) The award is to be given to an individual for contributions to statistical methodologies in Army research, development, and testing.

The Army Mathematics Steering Committee (AMSC) has accepted the responsibility of administering this gift. In its semiannual meeting of May 1-2, 1981 the AMSC decided to form a selection committee so that the first award could be presented at the 1981 Design of Experiments Conference. The following selection committee guidelines were adopted.

- 1) The award should be called The Wilks Award for Contributions to Statistical Methodologies in Army Research, Development and Testing.
- 2) The award winner should be chosen by a majority vote of an ad hoc committee of 5 statisticians. The committee should consist of at least 2 statisticians from the Army community and at least 2 statisticians from academia, each serving for 2-year staggered terms. The initial committee should be appointed by the chairman of the AMSC. Thereafter, the subcommittee on Statistics and Probability shall annually nominate one new member. The winner of the award may replace one member of the selection committee for the following year. The chairman of the AMSC may act as a nonvoting chairman of the selection committee, or he may appoint a representative to act in his stead (voting or nonvoting).
- 3) The chairman of the selection committee should convene the selection committee early enough that the award can be made at the annual Design of Experiments Conference.
- 4) Nominations of candidates for the award may be forwarded to any member of the selection committee. Solicitations may also be made through announcement letters for the annual DOE conference, or any other appropriate method.
- 5) The chairman of the selection committee should serve as the coordinator of the honorarium, which should be in the form of a check made payable to the winner of the award.

The AMSC adopted the following statement as the official basis for the award.

"The Wilks Award is given each year to a statistician and is based primarily on his contributions to the advancement of scientific or technical knowledge in Army statistics, ingenious application of such knowledge, or successful activity in the fostering of cooperative scientific matters which coincidentally benefit the Army, the Department of Defense, the U. S. Government, and our country, generally."

## SELECTION COMMITTEE GROUND RULES

- a) Nominees for the new Wilks award may be accepted from anyone at anytime by any committee member. The names and all accompanying information should be forwarded to the committee chairman by August 1 of each year.
- b) It is the responsibility of the person making the nomination to furnish the nature and extent of the contributions of the nominee. It is anticipated that this information will be known by the committee in the vast majority of cases. The committee will not be held accountable however, for obtaining this information. This does not preclude a member from doing so, nor does this imply that a member may not make nominations for the award.
- c) Individuals while serving as committee members will not be considered for the new Wilks award.
- d) The committee chairman is responsible for circulating the names and all pertinent information which he receives relating to the nominations to each committee member by August 15. Each committee member should deliberate privately and forward his or her vote to the chairman by September 1. The results will be circulated to the committee unless any member requests that his vote be kept in confidence.
- e) Each member of the committee should vote for three nominees in a priority order; first, second, and third place.

The winner will be determined by first place votes. If this results in a tie, then those tied names will be compared with the vote count extended to first and second place votes. If this results in a tie, the second round winners will be compared with the vote count extended to first, second, and third place votes. If this results in a tie, then the chairman of the AMSC will cast the deciding vote.

- f) The committee chairman will inform the chairman of the AMSC at least 30 days prior to the Design of Experiments Conference so that the travel arrangements for the winner to the conference can be completed and so that the winner's check can be prepared.