

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.

~~SHOULD NOT BE CONFUSED WITH S.S. WILKS~~

- 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 ~~for that purpose~~.

### PRELIMINARY GUIDELINES

- 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.  
*vote*
- 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.  
*Vote*
- 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." *and contributions to statistical theory.*"

SELECTION COMMITTEE GUIDELINES  
FOR  
THE WILKS AWARD FOR CONTRIBUTIONS  
TO STATISTICAL METHODOLOGIES IN  
ARMY RESEARCH, DEVELOPMENT, AND  
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July 1982

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## BACKGROUND

On December 31, 1980, Mr. Philip G. Rust of Thomasville, Georgia donated \$10,000 to the U. S. Army for the establishment of an annual award to an individual for contributions to Army statistical methodology. The award is to commemorate the late Professor Samuel S. Wilks of Princeton University and is given with the following conditions:

- a) The 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 original bequest has been coordinated with the Secretary of Defense in accordance with AR 1-100. Monies are invested by the U. S. Army Finance and Accounting Center, Department of the Army Financial Operations, Dept. 130/(FINCO-B-D), Indianapolis, IN 46249 (AV 699-3026, Ms. Susan Sullivan) in accordance with the direction of the Chairman, AMSC.

The guidelines given below will be used by the selection committee until changes are issued by the AMSC.

## GUIDELINES

### 1. Name and Purpose of the Award.

- a) The award will be called The Wilks Award for Contributions to Statistical Methodologies in Army Research, Development and Testing.
- b) The AMSC adopted the following statement as the official basis for the award:

"The Wilks award is given each year to a statistician for his/her advancement of scientific or technical knowledge in Army statistics and contributions to statistical theory."

### 2. Composition of Selection Committee.

- a) The selection committee for the "Wilks Award for Contributions in Army Research, Development and Testing" shall consist of five (5) members-- three (3) members from the U. S. Army community and two (2) members from among professional statisticians in the academic or industrial community or from other government agencies.
- b) The members and their chairman are to be selected by the Probability and Statistics Subcommittee (PSS) at any scheduled meeting but not later than March 1 preceding the DOE conference.

c) The selection committee is to complete the selection process by August 31.

d) The selection committee appointments are to be for a term of one (1) year; however, members may be reappointed four times for a total appointment period of five successive years.

**3. Nomination Procedures.**

a) Solicitations for nominations for the award should be made through the announcement letter for the Annual Design of Experiments Conference, or any other appropriate method.

b) Nominations for the award may be accepted from anyone at anytime by any member of the committee. The names and all accompanying information should be forwarded to the selection committee chairman by August 1.

c) 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 selection 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.

d) Individuals, while serving as selection committee members, will not be considered for the Wilks award.

e) Nominees will be considered by the selection committee for two years, and may be carried over for further consideration at the discretion of the committee.

f) Nominees may be employees of the U. S. Government.

**4. Voting Procedures.**

a) 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.

b) 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.

5. Reporting Procedures.

a) The selection 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 attend the conference can be completed and so that the winner's honorarium can be prepared. The AMSC chairman will in turn inform the U. S. Army Finance and Accounting Center at the address given in BACKGROUND section, above.

b) The winner of the award will be formally announced at the annual Army Design of Experiments Conference.

c) The selection committee chairman will inform the chairman of the PSS so that a formal report may be made at the next semiannual AMSC meeting.

6. Amount to be Awarded.

a) The amount of the award is currently set at \$500. If the base amount of the original bequest increases significantly in the future, this amount may be increased. This is accomplished by first notifying the Office of the Secretary of the Army, Gift Fund Office (AV 221-9591, Mr. Feazell). Then the Army Finance and Accounting Center is instructed to transfer money in a specific amount through the Army Research Office, Comptroller (DRXRO-FA). This should not at any time reduce the overall amount below \$10,000.

b) The AMSC, through the PSS, may also present a plaque or medal in conjunction with the award. This may be paid for by the revenues earned by the original bequest. The procedure for coordinating this is the same as in 6a) above.

7. Transfer of Money.

When the annual winner of the award has been chosen by the selection committee, the Army Finance and Accounting Center will be informed so that a check may be written in the proper amount to the winner. The check is forwarded through DARCOM HQ (AV 284-9190/9277, Mr. Kutzer). This person should be contacted and instructed on what the check is for so that no unusual delays are experienced in processing the check at HQ DARCOM.

8. Review and Authority.

In a letter dated June 9, 1981, Mr. Philip G. Rust formally charged the chairman of the AMSC with administering this award with the highest regard for professionalism and in accordance with the original purpose and intent of the award. Mr. Rust feels that the AMSC "is the proper and natural organization for administering the award."

The selection committee will report the name of the winner to the AMSC at the first semiannual meeting following the selection. This may be accomplished through the report of the PSS.

## 9. Awards Coordination.

This award should not be confused with another award which has a very similar name--The S. S. Wilks Memorial Medal and Award. That award is administered by the American Statistical Association (ASA) and is also based on a gift from Mr. Philip G. Rust. The ASA has asked that the Army selection committee cooperate by not awarding the Army/Wilks award to anyone who has ever received the ASA/Wilks award until a policy can be determined by the ASA and AMSC, jointly.

S. S. WILKS AWARD NOMINATING COMMITTEE

Background

The Wilks Award was made possible through the generosity of Mr. Philip G. Rust of Thomasville, Georgia, who donated to the ASA the funds necessary for an annual medal and honorarium. The details governing the Award and its administration were arranged through the good offices of Major General Leslie E. Simon (Ret'd), Fellow of the ASA and designee of the Army for that purpose, together with the ASA and Mr. Rust.

The initial Award was announced by Mr. Donald C. Riley, Executive Director of ASA, at the Army's Tenth Conference on Design of Experiments, in Washington, D.C., November 4, 1964.

The winners have been:

1964	Grubbs	1970	Snedecor
1965	Tukey	1971	Dodge
1966	Simon	1972	Box
1967	Cochran	1973	Hartley
1968	Neyman	1974	Daniel
1969	Youden		

Responsibility of ASA

- (1) Appoint an appropriate committee to select the awardee.
- (2) See to the investment of the endowment so as to bring an annual yield sufficient to support the Award (both the medals and the honorarium).
- (3) Annually, see to it that an appropriate person is selected to present the Award in connection with the Army's Annual Conference on Design of Experiments which Wilks chaired for nine years, provided that the Conferences continue to be held and seem appropriate.
- (4) The ASA may, if the Army's Conferences on Design of Experiments are discontinued or lapse for more than two years, at its discretion, select some other occasion for the Award and, if necessary, some other criteria that are consistent with the bases of the Wilks Award. If occasion should arise, wherein the ASA could find no effective way for the Award

to continue to commemorate Wilks and to comply with the Bases of the Award, it may terminate the Award and absorb the endowment for other philanthropic enterprises, preferably with emphasis on benefits to the Army.

Charge to the Committee

The Committee will select an awardee based primarily on his contributions (either recent or past) to the advancement of scientific or technical knowledge, ingenious application of existing knowledge, or successful activity in the fostering of cooperative scientific efforts which have been directly involved in matters of national defense or public interest. The award shall be made with the intent of recognizing the personal and intellectual accomplishments of the individual and shall not be given with the intent of supplementing the individual's salary, providing him with compensation, or advancing the interest of the donor or trustee of the endowment.

The selection criteria are as follows:

- (1) Contributions to the advancement of knowledge. Publications in theory and methodology, educational activities, awards.
- (2) Ingenious applications of existing knowledge, consultation, (especially DOD, U.S. Government), applical papers, impact on subject matter fields.
- (3) Cooperative scientific efforts, advisory committees, (involving national defense or public interest), professional society activities.