

The Horton (Hydrology) Research Grant

American Geophysical Union
2000 Florida Avenue, NW
Washington, DC 20009
USA

Background and Eligibility

In 1982, the Hydrology Section of AGU gained access to a portion of the income of the Robert E. Horton Fund for Hydrologic Research. This permitted the initiation of the Horton Research Grant, which was first awarded in 1983. The grant is in support of research projects in hydrology and water resources by Ph.D. candidates in institutions of higher education and is awarded annually. Its objective is to foster graduate student research leading to the completion of doctoral dissertations. Appropriate topics may be in hydrology (including its physical, chemical, or biological aspects) or in water resources policy sciences (including economics, systems analysis, sociology and law). The award may be given to graduate students at any point in their doctoral program. Those who do not win an award in any given year are eligible to apply again in subsequent years. Horton Research Grant recipients must be student members of AGU. U.S. citizenship is not a requirement.

Procedures

Proposals must be received at the AGU offices in **April 2009** (exact date to be determined). Recipients are selected by a committee of the Hydrology Section, and the award is presented at a Hydrology Section function during the AGU Fall Meeting. The number of awards and amount of each award may change from year to year depending on the available income from the Horton Fund. In the last several years, we have made awards in the amount of \$10,000 apiece.

Payment is made directly to the recipients in two installments. The first installment is presented at the AGU Fall Meeting. The second installment is given in June upon receipt by the Hydrology Section President of a brief progress report. The progress report should not exceed two pages in length and should (a) summarize the scientific progress on the project, (b) describe the manner in which the first installment funds have been employed, and (c) provide a projection for the expenditure of the second installment funds. The report is due at the office of the Hydrology Section President by **1 June 2010** and must contain the signed approval of the faculty research supervisor.

Selection Criteria

Proposals will be judged by the selection committee using criteria adapted from the National Science Foundation:

How important is the proposed activity to advancing knowledge and understanding within its own field or across different fields? To what extent does the proposed activity suggest and explore creative and original concepts? How clear are the objectives of the proposed work? How well qualified is the proposer to conduct the project? How well conceived and organized is the proposed activity? Is there sufficient access to resources?

Financial need is not a criterion in the selection of the successful candidate.

Instructions for Applicants of the The Horton (Hydrology) Research Grant

An electronic copy of your application in MS Word or pdf format is to be sent to

outreach@agu.org

The complete application includes:

Title Page (form attached)

Executive Summary of proposed work. The Executive Summary should be no more than two single-spaced typed pages and should include (a) dissertation title, (b) statement of the problem, (c) objectives, and (d) proposed procedures. Cited references are to be included on additional pages.

Statement of Purpose. The statement should be less than one page and should be used to explain to the selection committee why receipt of this grant is important and how you propose to budget its use. Include any additional information you wish to include to support your application should be on the Statement of Purpose.

Detailed Budget. Provide a detailed listing of each budget item and its estimated cost. Acceptable budget items might include, but are not limited to: living costs; research costs such as laboratory supplies, computer time, or field instrumentation; travel costs to field sites and/or one technical symposium; book purchases.

Two Letters of Recommendation for the Award, one from your main faculty research supervisor and one from another member of your thesis committee.

To ensure a fair, efficient selection process, please limit your application to these items. Specific formatting requirements are given below.

Proposal Format (adapted from the NSF Grant Proposal Guide)

It is strongly recommended that proposers review their proposals to ensure that they adhere to these guidelines.

1. Proposal Page Limits

The Executive summary is limited to two pages (with cited references included on additional pages as necessary). The Statement of Purpose is limited to a single page.

2. Proposal Margin and Spacing Requirements

The proposal must be clear, readily legible, and conform to the following four requirements:

- a. The height of the letters must not be smaller than 10 point;
- b. Type density, including characters and spaces, must be no more than 15 characters per 2.5 cm. For proportional spacing, the average for any representative section of text must not exceed 15 characters per 2.5 cm;
- c. No more than 6 lines of type within a vertical space of 2.5 cm; and
- d. Margins, in all directions, must be at least 2.5 cm.

The guidelines specified above establish the **minimum** type size requirements; however, proposers are advised that readability is of paramount importance and should take precedence in selection of an appropriate font for use in the proposal. **Small type size makes it difficult for reviewers to read the proposal; consequently, the use of small type not in compliance with the above guidelines may be grounds for the committee to eliminate the proposal without review.** Adherence to type size and line spacing requirements also is necessary to ensure that no proposer will have an unfair advantage, by using smaller type or line spacing to provide more text in the proposal.

**Title Page
Proposal to the Hydrology Section
American Geophysical Union
Horton (Hydrology) Research Grant**

Applicant Name:

Address:

Phone No:

Fax No:

E-Mail:

Academic degrees:

Faculty research supervisor

Name:

Title:

Address:

Dissertation title:

Estimated completion date:

Signed: _____
Applicant

Faculty research supervisor

Date: _____

Please type in the required names above to electronically "sign" your application.