



Amended February 2009

NEW MEXICO GEOLOGICAL SOCIETY SCHOLARSHIPS AND GRANTS-IN-AID

Competitive Awards:

FRANK E. KOTTELOWSKI RESEARCH AWARD:

Awarded annually to a graduate student attending a New Mexico University at the NMGS Annual Spring Meeting based on Grants-in-Aid applications. Selection is made by the NMGS Scholarship Committee. Thesis/dissertation topic must be in New Mexico. Applications mailed in late fall/early winter to geoscience degree-granting universities and colleges in New Mexico.

Focus: Excellence in New Mexico graduate thesis/dissertation research
Awarded: Annually at the Spring Meeting luncheon
To: Graduate (M.S. or PhD.) geoscience student
Selection: NMGS Scholarship Committee via Grants-in-Aid application. The top ranked grant-in-aid applicant will receive the Kottowski Research Award.
Amount: \$2,500

GRANTS-IN-AID

Awarded every spring to support research by graduate students attending a New Mexico University. Amount may vary, but is a maximum of \$2000 per award. Selection is made by the NMGS Scholarship Committee. Applications mailed in late fall/early winter to geoscience degree-granting universities and colleges in New Mexico. Grant-in-Aid applicants are automatically eligible for the Kottowski Research Award. The top-ranked grant-in-aid applicant will receive the Kottowski Research Award rather than a grant-in-aid.

Focus: Support of student research in New Mexico.
Awarded: Annually during the Spring Semester
To: Graduate (M.S. or PhD.) geoscience student
Selection: NMGS Scholarship Committee via Grants-in-Aid application.
Amount: up to \$2000 per award

LUCILLE H. PIPKIN UNDERGRADUATE RESEARCH AWARDS:

Lucille H. Pipkin Undergraduate Research Awards will be made to undergraduate students attending eligible New Mexico institutions who are undertaking faculty-supervised research leading to completion of an undergraduate thesis (syn. senior thesis, honors thesis). Students will submit proposals using the same guidelines and requirements as for the Graduate Grants-in-Aid Scholarships.

- a) Eligible institutions are those with formal undergraduate research programs. Currently, these include UNM, NMIT, NMSU, ENMU, NMHU, NMMI, WNMU, Diné College, and College of Santa Fe.
- b) The committee that selects the forwarded proposals will be informed that only proposals involving a substantial component of geoscience research will be considered for funding.
- c) The maximum award should not be greater than \$1500 will be given to each selectee, subject to NMGS scholarship budget limitations.
- d) A listing of submitted proposals, including abstracts, will be posted prominently at the Spring Meeting. A similar posting of proposals receiving grant awards will be made at the following Fall Field Conference, where recipients will also be recognized at the banquet.

Focus: Support of undergraduate research in New Mexico.
Awarded: Annually during the Spring Semester
To: Undergraduate students pursuing supervised research projects
Selection: NMGS Scholarship Committee via Grants-in-Aid application.
Amount: \$1500 minimum per award subject to NMGS scholarship budget limitations.



OUTSTANDING STUDENT PAPERS

Awarded every Spring to the best oral and best poster presentations by a student during the annual Spring Meeting. Selections are made by a panel of judges. Solicitation for Best Paper judges is the responsibility of the technical chair(s) for the Spring Meeting.

Focus: Recognize and award the best geoscience presentations
Awarded: Annually after ranking during the Spring Meeting
To: Students who prepare the best geoscience paper representing principally the work of that student
Selection: Panel of judges chosen by the Spring Meeting technical chair(s)
Amount: \$100 each for the best oral and best poster presentation

Non-competitive Awards:

LUCILLE H. PIPKIN SENIOR SCHOLARSHIP:

Awarded annually to a deserving senior-year geoscience major. Selection is made by the geoscience department scholarship committees at ENMU, UNM, NMIMT, and NMSU. The department must anticipate that, in addition to overall merit, the student will receive a geoscience degree by the end of the current school year.

Focus: Support for undergraduate education
Awarded: Annually in the Spring
To: Senior undergraduate students in geosciences
Selection: Scholarship committee at the appropriate school.
Amount: \$3,000 maximum

LUCILLE H. PIPKIN BOOK SCHOLARSHIPS:

Awarded in the spring to geoscience undergraduate students to help defray costs of textbooks. Three \$100 scholarships available to the schools with geoscience curricula (UNM, NMSU, NMIMT, ENMU, WNMU, NMHU, Diné College, and College of Santa Fe). Selection is made by faculty at the appropriate institution.

Focus: Support of undergraduate education by defraying costs of text books.
Awarded: Annually during the Spring Semester
To: Undergraduate students in geosciences
Selection: Scholarship committee at the appropriate school.
Amount: \$150 maximum per award

OUTSTANDING SENIOR AWARD:

Award of a \$150 credit for NMGS publications to the outstanding graduating senior from Dine College, WNMU, and NMHU. The student will receive a letter, through their department, from the NMGS vice-president with a list of NMGS publications and instructions to receive their award. The student may apply the credit to a one-time purchase of NMGS publications. Any amount left over from the purchase is forfeited. Postage and handling are paid by NMGS and are not included in the \$150 credit.

Focus: Recognize and reward outstanding graduating seniors
Awarded: Annually in the spring
To: Senior geoscience student
Selection: Geoscience departments at Dine College, WNMU, and NMHU
Amount: Up to \$300 credit towards purchase of NMGS publications



Amended February 2009

ROBERT WELLNITZ MEMORIAL SCHOLARSHIP:

Awarded annually at the Fall Field Conference. Recipient must be a graduate student at UNM, NMIMT, or NMSU, and whose thesis/dissertation is field oriented and is in New Mexico. The recipient must attend the Fall Field Conference Banquet in order to receive this award. The award is rotated among the Geoscience Departments at UNM, NMIMT, and NMSU. Selection is made by faculty at the institution of the recipient.

Focus: Excellence in field-oriented graduate work in New Mexico
Awarded: Annually during the Fall Field Conference banquet
To: Graduate (M.S. or PhD.) geoscience student
Selection: Scholarship committee at the appropriate university
Amount: \$1000 award
Rotation: NMIMT: 2001, 2004, 2007, 2010
NMSU: 2002, 2005, 2008, 2011
UNM: 2003, 2006, 2009, 2012

BEVERLY WELLNITZ MEMORIAL SCHOLARSHIP:

Awarded annually at the Fall Field Conference. Recipient must be a graduate student at UNM, NMIMT, or NMSU, and whose thesis/dissertation is field oriented and is in New Mexico. The recipient must attend the Fall Field Conference Banquet in order to receive this award. The award is rotated among the Geoscience Departments at UNM, NMIMT, and NMSU. Selection is made by faculty at the institution of the recipient.

Focus: Excellence in academic graduate work in New Mexico
Awarded: Annually during the Fall Field Conference banquet
To: Graduate (M.S. or PhD.) geoscience student
Selection: Scholarship committee at the appropriate university
Amount: \$500 award (for each of two recipients)
Rotation: NMIMT: 2002, 2003, 2005, 2006, 2008, 2009
NMSU: 2001, 2003, 2004, 2006, 2007, 2009
UNM: 2001, 2002, 2004, 2005, 2007, 2008

FALL FIELD CONFERENCE SCHOLARSHIPS:

Variable amount. Awarded annually prior to the NMGS Fall Field Conference to defray the cost of attending the conference for deserving students. Selection by the scholarship committee at the respective schools. Two graduate and two undergraduate students at each New Mexico university offering earth science related degrees are eligible. Depending on the availability of funding, the Executive Committee may extend this award to recipients at other colleges and universities in New Mexico.

Focus: Support for student attendance at the NMGS Fall Field Conference
Awarded: Annually prior to the Fall Field Conference
To: Two undergraduates at each of the schools offering geoscience curricula, and two graduate geoscience students at the schools offering graduate geoscience degrees.
Selection: Scholarship committee at the appropriate university
Amount: Fall Field Conference registration fee waived, plus \$150 cash for lodging or other expenses.

STUDENT SCIENCE FAIR WINNERS:

Awarded to outstanding presentation of geoscience-oriented science fair projects submitted for competition. Selection by judges at regional New Mexico science fairs and by judges at the New Mexico State Science and Engineering Fair. All science fair regions are eligible.

Focus: Recognize and reward excellence in geoscience-oriented science fair projects
Awarded: Annually in the spring for the Regional and State Science Fairs
To: Junior and Senior science fair winners in the earth science category
Selection: Science Fair judges
Amount: Two awards are available for each Regional Science Fair at \$100 each.
Two awards are available for the State Science and Engineering Fair at \$100 each.



APPLICATION COVER SHEET

FOR NEW MEXICO GEOLOGICAL SOCIETY COMPETITIVE SCHOLARSHIPS & AWARDS

SUBMIT TO: Robert G. Myers, Scholarship Chairperson
PO Box 1630
Las Cruces, NM 88004
robert.g.myers@us.army.mil

DEADLINE: Application must be emailed as a PDF or Word file or surface mailed postmarked by the third Friday in February

FROM: **Name:**

E-mail:

Address:

Institution:

APPLYING FOR:

- Lucille Pipkin Undergraduate Grant-in-Aid of Research
Honors thesis? ____ Junior thesis? ____ Senior thesis? ____
- Frank E. Kottlowski Research award and Graduate Grant-in-Aid of Research
M.S. ____ or Ph.D. ____ candidate?

ANTICIPATED GRADUATION DATE (month/year): _____/_____

TITLE OF PROJECT:

NMGS FUNDING HISTORY:

- Have you received a previous NMGS Grant-In-Aid of Research?
- If yes, how many times and for what amount(s)?

NOTE: Final reports from most recent NMGS grant award must be attached to all copies of the application.

SIGNATURES:

STUDENT
Phone:

RESEARCH ADVISOR
Phone:

THE FOLLOWING DOCUMENTATION MUST BE INCLUDED IN THE APPLICATION:

1. Application cover sheet.
2. Abstract with project title, author's name, and institution (on a separate page).
3. Description of project; see attached **Text format of proposals**.
4. Detailed, itemized budget with total amount requested and budget justification (on a separate page).
5. List of financial and other types of support currently in place or applied for (on a separate page).
6. Resume (on separate page). The resume should include applicant's education, research experience, work experience related to the applicant's ability to conduct the proposed research, awards and honors, listing of conference abstracts and presentations, listing of publications, and listing of participation in the New Mexico Geological Society.
 7. Two supporting letters; It is requested that the individuals writing the letter of recommendation either email a letter as a word document or PDF file (email to robert.g.myers@us.army.mil), or provide 3 copies of the letter and place them in a signed and sealed envelope for inclusion in the application.
8. Progress report on most recent NMGS grants-in-aid award.



GENERAL RULES

New Mexico Geological Society grants-in-aid are awarded to geology students enrolled in New Mexico institutions and whose proposed projects are located in New Mexico. Proposals from undergraduate students are considered along with those from graduate students. **Some money is restricted for undergraduate research only.** Undergraduates and departments are strongly encouraged to submit proposals. Grants-in-aid are awarded without bias regarding sex, race, age, creed, or national origin.

A final report is required. For M.S. and Ph.D. students, a thesis or dissertation on file at the university is sufficient. Otherwise, a written summary of results and conclusions must be submitted to NMGS or presented at the NMGS Spring Meeting. **A second-year applicant must submit a progress report on a previous award with the proposal; failure to do so could affect funding.** Note that new projects take priority over continuing ones. For graduate students, preference will be given to thesis or dissertation projects.

NMGS will support mileage costs up to \$0.40/mile, equipment cost up to \$50, thesis preparation costs up to \$50, and thin section costs up to \$20 each.

Undergraduate research awards can be funded up to **\$1500** and grants-in-aid can be funded to up to **\$2000**. The Frank E. Kottlowski Research Award is **\$2,500**, which will be given to the highest ranked grant-in-aid application. The Research Award will not be awarded to the same person two years in a row. The recipient will be presented with the check for the Research Award in person at the Spring Meeting.

STUDENT PACKET TO THE SCHOLARSHIP COMMITTEE

1. **Four (4) copies of each proposal packet or PDF file of the entire proposal packet (excluding reference letters, which should be emailed or mailed separately).** It is the student's responsibility to ensure that each copy is complete and correctly assembled. Deficiencies in the procedure can disqualify an application.
2. **All names, addresses, titles, etc., must be legible.** Please print or type names beneath signatures. Include the telephone numbers of the applicant and advisor in case a member of the scholarship committee has any questions.
3. **One extra copy, or PDF file, of the abstract.** The abstract should have the title, author, school, and address of each applicant at the top of the page and should not exceed one page in length. Abstracts from funded projects will be displayed at the annual NMGS spring meeting. For further guidelines, use the rules for abstracts submitted for the NMGS annual spring meetings.



REQUIREMENTS FOR TEXT FORMAT OF PROPOSALS & LETTERS OF REFERENCE

Text Format of Proposals

1. **An abstract** (on a separate page). Must include the student applicant's name, institutional affiliation, and project title.
2. **Description of Project**; should include the following sections:
 - a. **Problem / purpose of study.** Clearly state the problem to be addressed or the hypothesis to be tested. Include the field location where the problem will be studied.
 - b. **Previous studies.**
 - c. **Significance of the study.** *Why is this work important?* Place the project in a disciplinary context and in the context of New Mexico Geology.
 - d. **Method(s) of study.** Concisely state how you plan to accomplish your investigation, including data analysis. Be specific.
 - e. **Duration of investigation.**
 - f. **References** cited in proposal.
3. **Itemized budget** and **budget justification** (on a separate page). Items should be clearly identified and described in the proposal text.
4. **List of other grants** (on a separate page) that a) have supported this project in the past b) are currently supporting this project, and c) are being applied for.

Letters of Reference

1. At least one letter of reference must be from the student's advisor.
2. At least one letter of reference must be from a current member of the New Mexico Geological Society.
3. At least one letter of reference must be from someone who is neither the student's research advisor nor department chairperson.
4. Recommendation letters should describe the student's ability to do the proposed research.
5. Recommendation letters should describe the significance of the proposed research.
6. Recommendation letters should comment on the budget. *Is it reasonable?*
7. The Review Committee requests that the individuals writing the letter of recommendation either email a letter as a word document or PDF file (emailed to robert.g.myers@us.army.mil), or provide 3 copies of the letter and place them in a signed and sealed envelope for inclusion in the application.



EVALUATION PROCESS FOR GRANTS-IN-AID

Proposals should be sent to the Chairman of the Scholarship Committee. A committee of geologists (commonly three), including the Vice President of the Society, reads all submitted proposals and independently ranks them. Depending on available NMGS funds, the committee awards the highest ranked proposal the Frank E. Kottowski Research Award and determines amounts for other grants-in-aid. The committee is free to use its judgment in evaluating proposals beyond the general guidelines given above. In past years, the committees have funded well thought-out proposals and innovative proposals not apt to receive conventional support. Past committees have suggested proposal writers consider the following:

1. Is the proposed project “do-able”? Past highly favored proposals were well focused.
2. Does the proposal tie into ongoing work of major geological significance? Does the proposal have the potential for making a major contribution in a given area?
3. Are the number of samples taken (analyses, thin section) reasonable? Proposals with too many analyses in a small area or too few in a large area will be questioned.
4. Do not request excessive reimbursement for mileage. Many daily commutes to a field area rather than a few trips with lengthy stays commonly are critically judged.
5. Keep requests for food budget minimal. Some reviewers feel that students eat regardless of whether they are funded.
6. Do not request excessive duplication costs.
7. Applicants are encouraged, but not required, to present a paper at the NMGS Spring Meeting.

SOME CRITERIA FOR THE KOTTELOWSKI FELLOWSHIP

1. Project should be a significant contribution to some aspect of New Mexico geology.
2. Application should include a bibliography of the applicant's publications. Emphasis is placed on publications and papers presented on the proposed area of study and on New Mexico geology.
3. Application should include a list of potential publications or papers presented at professional meetings.
4. Application should note the student's participation and contributions to the New Mexico Geological Society.
5. Applicants are strongly encouraged, but not required, to present a paper at the NMGS spring meeting.