

SIGMA XI, THE SCIENTIFIC RESEARCH SOCIETY
Report of the Committee on Grants-in-Aid of Research
For the Year Ending 30 June 2016

The Sigma Xi Grants-in-Aid of Research Program is now in its ninety-fourth year. The Committee on Grants-in-Aid of Research held two meetings during fiscal year 2016. During the meetings, the Committee reviewed a total of 1,731 applications, of which 244 (14%) received full or partial funding. A total of \$223,289 was awarded. This represents a 23% decrease in the number of submitted applications from the prior year and a 34% decrease in the number of applications funded. The committee attempts to stretch available resources to benefit as many students as possible.

The accompanying table shows the distribution of applications, awards, and funds among the science and engineering disciplines. The names of the recipients, their institutions, and project titles are listed on the Sigma Xi web site.

Support from members and interest income from the Society's research endowment continues to be an essential component of the GIAR program. Designated funds from the National Academy of Sciences, which are administered by Sigma Xi, provide valuable additional resources for the program and accounted for 50% of funds awarded.

Funds from the National Academy and from private donors are frequently restricted by discipline, institution or geographic location. Therefore, the Committee notes the continued importance of membership support as vital to equitable funding among the various disciplines.

The following Sigma Xi members served on the Grants-In-Aid of Research Committee during fiscal year 2016:

Drew S. Coleman – University of North Carolina
at Chapel Hill

Emma S. Perry - Unity College

Shawn M. Ellerbroek - Wartburg College

Michael T. Lares – University of Mary

Peter J. Harries (chair) – North Carolina State
University

Catherine Lee Jahncke - Saint Lawrence
University

Cecil H. McManus - PROBE Consulting Company

Sue Ann Miller - Hamilton College

Frank E. Price - Hamilton College

Joanne K. Tillotson - SUNY at Purchase

Ann Yezerksi - Kings College

I express sincere appreciation to all of the committee and guest readers for their dedicated service to the program.

Peter J. Harries, Ph.D
Chair, Committee on Grants-in-Aid of Research

SIGMA XI
GRANTS-IN-AID OF RESEARCH
SUMMARY OF APPLICATIONS FUNDED BY FIELD OF RESEARCH
FISCAL YEAR 2016

Field of Research	October 2015 Grant Deadline			March 2016 Grant Deadline		
	Applications Received	Applications Funded		Applications Received	Applications Funded	
		Total	Percentage		Total	Percentage
ANTHROPOLOGY	45	7	16%	77	10	13%
BEHAVIORAL ECOLOGY	61	11	18%	83	10	12%
CELL BIOLOGY/BIOCHEMISTRY	143	22	15%	134	20	15%
CHEMISTRY	16	4	25%	24	4	17%
COMPUTER SCIENCE/MATH	3	0	0%	1	0	0%
CONSERVATION BIOLOGY	45	6	13%	54	8	15%
ECOLOGY	180	21	12%	253	33	13%
ENGINEERING	30	7	23%	21	3	14%
HYDROLOGY/GEOMORPHOLOGY	14	3	21%	16	2	13%
PALEONTOLOGY/SEDIMENTATION	18	3	17%	40	5	13%
PETROLOGY/GEOCHEMISTRY	12	3	25%	23	4	17%
PHYSICS/ASTRONOMY	18	6	33%	15	2	13%
PHYSIOLOGY/FUNCTIONAL MORPHOLOGY	56	11	20%	64	9	14%
PSYCHOLOGY	47	6	13%	31	4	13%
SYSTEMATICS/EVOLOLUTIONARY BIOLOGY	82	7	9%	94	8	9%
TECTONICS/GEOPHYSICS	5	1	20%	20	3	15%
SOCIAL AND LEARNING SCIENCE (SPRING ONLY)				6	1	17%
Applicaton Totals	775	118	15%	956	126	13%
Funding Totals		\$108,750.92			\$114,538.00	
Total Applications Funded	244	Total Amount Funded			\$223,288.92	