

SIGMA XI, THE SCIENTIFIC RESEARCH SOCIETY
Report of the Committee on Grants-in-Aid of Research
For the Year Ending 30 June 2017

The Sigma Xi Grants-in-Aid of Research Program is now in its ninety-fifth year. The Committee on Grants-in-Aid of Research held two meetings during fiscal year 2017. During the meetings, the Committee reviewed a total of 1,549 applications, of which 265 (17%) received full or partial funding. A total of \$211,559 was awarded. This represents a 9% decrease in the number of submitted applications from the prior year and a 9% increase 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. For the first time, \$800 in funding was awarded from the new Claude C. Barnett Grants-in-Aid of Research Endowment Fund during the Spring 2017 grant cycle. Barnett was a Sigma Xi member for 60 years and served as president of the Whitman College–Walla Walla University Chapter in Washington state. The award went to Carolyn Shasha, a doctoral student at the University of Washington who will use the funding to support her research project, "Investigating the Potential for Color MPI: Validating and Improving Simulations with Experiment."

The following Sigma Xi members served on the Grants-In-Aid of Research Committee during fiscal year 2017:

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

Cecil H. McManus - PROBE Consulting Company

Joanne K. Tillotson - SUNY at Purchase

Ann Yezerski - 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 2017

Field of Research	October 2016 Grant Deadline			March 2017 Grant Deadline		
	Applications Received	Applications Funded		Applications Received	Applications Funded	
		Total	Percentage		Total	Percentage
ANTHROPOLOGY	55	10	18%	81	16	20%
BEHAVIORAL ECOLOGY	61	12	20%	89	16	17%
CELL BIOLOGY/BIOCHEMISTRY	116	21	18%	89	16	17%
CHEMISTRY	20	4	20%	10	3	30%
COMPUTER SCIENCE/MATH	4	1	25%	7	1	0%
CONSERVATION BIOLOGY	37	6	16%	66	9	14%
ECOLOGY	119	17	14%	213	32	15%
ENGINEERING	25	6	24%	20	4	20%
HYDROLOGY/GEOMORPHOLOGY	10	3	30%	19	4	21%
PALEONTOLOGY/SEDIMENTATION	11	2	18%	40	6	15%
PETROLOGY/GEOCHEMISTRY	14	2	14%	30	4	13%
PHYSICS/ASTRONOMY	14	6	43%	12	3	25%
PHYSIOLOGY/FUNCTIONAL MORPHOLOGY	64	11	17%	69	13	19%
PSYCHOLOGY	32	6	19%	51	10	20%
SYSTEMATICS/EVOLOLUTIONARY BIOLOGY	64	7	11%	87	10	11%
TECTONICS/GEOPHYSICS	4	1	25%	16	3	19%
Applicaton Totals	650	115	18%	899	150	17%
Funding Totals		\$91,205.00			\$120,354.00	
Total Applications Funded	265	Total Amount Funded			\$211,559.00	