

SIGMA XI, THE SCIENTIFIC RESEARCH SOCIETY
Report of the Committee on Grants-in-Aid of Research
For the Year Ending 30 June 2014

The Sigma Xi Grants-in-Aid of Research Program is now in its ninety-second year. The Committee on Grants-in-Aid of Research held two meetings during fiscal year 2014. During the meetings, the Committee reviewed a total of 2,003 applications, of which 335 (17%) received full or partial funding. A total of \$286,891 was awarded. This represents a 5.9% increase in applications, a 4% decrease in the number of awarded grants and a 10.7% decrease in the amount of awards granted from the previous fiscal year. The committee is clearly attempting to stretch the available resources to benefit as many students as possible, but continued erosion in the available funding will negatively impact the program going forward.

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 2014:

Drew S. Coleman – University of North Carolina
at Chapel Hill
Emma Samantha Creaser - Unity College
Richard Dillaman, University of North Carolina at
Wilmington
Shawn Michael Ellerbroek - Wartburg College
Anthony Elbie Glenn - USDA, ARS Russell
Research Center
Michael T. Lares – University of Mary
Peter Jürgen Harries (chair) - University of South
Florida

Catherine Lee Jahncke - Saint Lawrence
University
Patrick Lewis - Sam Houston State University
Cecil H. McManus - Center for Survey Research,
Shaw University
Sue Ann Miller - Hamilton College
Frank E. Price - Hamilton College
Matthew Paul Rowe – Michigan State University
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 Harries, Ph.D
Sigma Xi Grants-in-Aid of Research Committee Chair

SIGMA XI
GRANTS-IN-AID OF RESEARCH
SUMMARY OF APPLICATIONS FUNDED BY FIELD OF RESEARCH
FISCAL YEAR 2014

Field of Research	October 2013 Grant Deadline			March 2014 Grant Deadline		
	Applications Received	Applications Funded		Applications Received	Applications Funded	
		Total	Percentage		Total	Percentage
ANTHROPOLOGY	48	9	19%	84	8	10%
BEHAVIORAL ECOLOGY	82	12	15%	125	17	14%
CELL BIOLOGY/BIOCHEMISTRY	157	28	18%	138	23	17%
CHEMISTRY	22	6	27%	22	3	14%
COMPUTER SCIENCE/MATH	3	0		2	0	0%
CONSERVATION BIOLOGY	40	8	20%	67	9	13%
ECOLOGY	201	41	20%	281	38	14%
ENGINEERING	18	5	28%	29	5	17%
HYDROLOGY/GEOMORPHOLOGY	6	2	33%	26	3	12%
PALEONTOLOGY/SEDIMENTATION	14	3	21%	56	8	14%
PETROLOGY/GEOCHEMISTRY	28	9	32%	31	6	19%
PHYSICS/ASTRONOMY	18	7	39%	19	8	42%
PHYSIOLOGY/FUNCTIONAL MORPHOLOGY	75	12	16%	100	20	20%
PSYCHOLOGY	36	4	11%	59	9	15%
SYSTEMATICS/EVOLOLUTIONARY BIOLOGY	91	14	15%	100	13	13%
TECTONICS/GEOPHYSICS	8	2	25%	17	3	18%
Applicaton Totals	847	162	19%	1156	173	15%
Funding Totals		\$136,433.00			\$151,458.00	
Total Applications Funded	335	Total Amount Funded			\$287,891.00	