

SIGMA XI, THE SCIENTIFIC RESEARCH SOCIETY
Report of the Committee on Grants-in-Aid of Research
For the Year Ending 30 June 2015

The Sigma Xi Grants-in-Aid of Research Program is now in its ninety-third year. The Committee on Grants-in-Aid of Research held two meetings during fiscal year 2015. During the meetings, the Committee reviewed a total of 2,235 applications, of which 369 (17%) received full or partial funding. A total of \$253,065 was awarded. This represents an 11.6% increase in the number of submitted applications from the prior year and a 10% increase in the number of applications funded. The committee attempts to stretch available resources to benefit as many students as possible. This effort was aided by a 14% increase in the Sigma Xi funds made available for distribution in fiscal year 2015.

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 2015:

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 2015

Field of Research	October 2014 Grant Deadline			March 2015 Grant Deadline		
	Applications Received	Applications Funded		Applications Received	Applications Funded	
		Total	Percentage		Total	Percentage
ANTHROPOLOGY	53	8	15%	76	16	21%
BEHAVIORAL ECOLOGY	100	13	13%	108	19	18%
CELL BIOLOGY/BIOCHEMISTRY	205	38	19%	146	30	21%
CHEMISTRY	28	3	11%	23	4	17%
COMPUTER SCIENCE/MATH	6	2	33%	7	2	29%
CONSERVATION BIOLOGY	58	7	12%	63	7	11%
ECOLOGY	258	46	18%	313	40	13%
ENGINEERING	47	7	15%	28	4	14%
HYDROLOGY/GEOMORPHOLOGY	14	3	21%	23	3	13%
PALEONTOLOGY/SEDIMENTATION	30	3	10%	45	5	11%
PETROLOGY/GEOCHEMISTRY	30	3	10%	26	4	15%
PHYSICS/ASTRONOMY	29	9	31%	10	6	60%
PHYSIOLOGY/FUNCTIONAL MORPHOLOGY	98	18	18%	76	24	32%
PSYCHOLOGY	49	7	14%	56	6	11%
SYSTEMATICS/EVOLOLUTIONARY BIOLOGY	99	14	14%	96	10	10%
TECTONICS/GEOPHYSICS	10	3	30%	25	5	20%
Applicaton Totals	1114	184	17%	1121	185	17%
Funding Totals		\$117,066.00			\$135,999.00	
Total Applications Funded	369	Total Amount Funded			\$253,065.00	

SIGMA XI
GRANTS-IN-AID OF RESEARCH
SUMMARY OF APPLICATIONS FUNDED BY FIELD OF RESEARCH
FISCAL YEAR 2015

Field of Research	October 2014 Grant Deadline			March 2015 Grant Deadline		
	Applications Received	Applications Funded		Applications Received	Applications Funded	
		Total	Percentage		Total	Percentage
ANTHROPOLOGY	53	8	15%	76	16	21%
BEHAVIORAL ECOLOGY	100	13	13%	108	19	18%
CELL BIOLOGY/BIOCHEMISTRY	205	38	19%	146	30	21%
CHEMISTRY	28	3	11%	23	4	17%
COMPUTER SCIENCE/MATH	6	2	33%	7	2	29%
CONSERVATION BIOLOGY	58	7	12%	63	7	11%
ECOLOGY	258	46	18%	313	40	13%
ENGINEERING	47	7	15%	28	4	14%
HYDROLOGY/GEOMORPHOLOGY	14	3	21%	23	3	13%
PALEONTOLOGY/SEDIMENTATION	30	3	10%	45	5	11%
PETROLOGY/GEOCHEMISTRY	30	3	10%	26	4	15%
PHYSICS/ASTRONOMY	29	9	31%	10	6	60%
PHYSIOLOGY/FUNCTIONAL MORPHOLOGY	98	18	18%	76	24	32%
PSYCHOLOGY	49	7	14%	56	6	11%
SYSTEMATICS/EVOLOLUTIONARY BIOLOGY	99	14	14%	96	10	10%
TECTONICS/GEOPHYSICS	10	3	30%	25	5	20%
Applicaton Totals	1114	184	17%	1121	185	17%
Funding Totals		\$117,066.00			\$135,999.00	
Total Applications Funded	369	Total Amount Funded			\$253,065.00	