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Form 990-PF

Return of Private Foundation

or Section 4947(a)(1) Trust Treated as Private Foundation

OMB No 1545-0052

2016

Department of the Treasury
Internal Revenue ServiceDo not enter social security numbers on this form as it may be made public.
Information about Form 990-PF and its separate instructions is at www.irs.gov/form990pf.

Open to Public Inspection

For calendar year 2016 or tax year beginning

, and ending

Name of foundation RESEARCH CORPORATION DBA RESEARCH CORPORATION FOR SCIENCE ADVANCEMENT		A Employer identification number 13-1963407
Number and street (or P.O. box number if mail is not delivered to street address) 4703 EAST CAMP LOWELL DRIVE	Room/suite 201	B Telephone number 520-571-1111
City or town, state or province, country, and ZIP or foreign postal code TUCSON, AZ 85712		C If exemption application is pending check here ☐
G Check all that apply: ☐ Initial return ☐ Initial return of a former public charity ☐ Final return ☐ Amended return ☐ Address change ☐ Name change		D 1. Foreign organizations, check here ☐ 2. Foreign organizations meeting the 85% test, check here and attach computation ☐
H Check type of organization: ☒ Section 501(c)(3) exempt private foundation ☐ Section 4947(a)(1) nonexempt charitable trust ☐ Other taxable private foundation		E If private foundation status was terminated under section 507(b)(1)(A), check here ☐
I Fair market value of all assets at end of year (from Part II, col (c), line 16) \$ 154,692,605.	J Accounting method: ☐ Cash ☒ Accrual ☐ Other (specify) _____	F If the foundation is in a 60-month termination under section 507(b)(1)(B), check here ☐

Part I Analysis of Revenue and Expenses (The total of amounts in columns (b), (c), and (d) may not necessarily equal the amounts in column (a))		(a) Revenue and expenses per books	(b) Net investment income	(c) Adjusted net income	(d) Disbursements for charitable purposes (cash basis only)
Revenue	1 Contributions, gifts, grants, etc., received				
	2 Check ☒ if the foundation is not required to attach Sch. B				
	3 Interest on savings and temporary cash investments				
	4 Dividends and interest from securities	5,724,338.	5,724,338.	5,724,338.	STATEMENT 1
	5a Gross rents	-55,184.	-55,184.	-55,184.	STATEMENT 2
	b Net rental income or (loss)	-55,184.			
	6a Net gain or (loss) from sale of assets not on line 10	-2,664,628.			
	b Gross sales price for all assets on line 6a	2,354,366.			
	7 Capital gain net income (from Part IV, line 2)		0.		
	8 Net short-term capital gain			653,495.	
	9 Income modifications				
	10a Gross sales less returns and allowances				
b Less Cost of goods sold					
c Gross profit or (loss)					
11 Other income	653,284.	490,928.	653,284.	STATEMENT 3	
12 Total. Add lines 1 through 11	3,657,810.	6,160,082.	6,975,933.		
Operating and Administrative Expenses	13 Compensation of officers, directors, trustees, etc.	776,015.	140,566.	147,095.	628,920.
	14 Other employee salaries and wages	772,838.	14,182.	14,841.	757,997.
	15 Pension plans, employee benefits	403,858.	16,815.	17,596.	386,262.
	16a Legal fees STMT 4	1,969.	0.	0.	1,969.
	b Accounting fees STMT 5	43,229.	21,614.	21,614.	21,615.
	c Other professional fees STMT 6	2,097,896.	1,921,550.	2,010,802.	87,094.
	17 Interest				
	18 Taxes STMT 7	2,153.	0.	0.	0.
	19 Depreciation and depletion	9,083.	0.	0.	
	20 Occupancy	249,388.	16,679.	17,454.	231,934.
	21 Travel, conferences, and meetings	627,703.	8,689.	10,096.	617,607.
	22 Printing and publications	21,169.	0.	0.	21,169.
	23 Other expenses STMT 8	264,313.	0.	0.	270,344.
	24 Total operating and administrative expenses. Add lines 13 through 23	5,269,614.	2,140,095.	2,239,498.	3,024,911.
	25 Contributions, gifts, grants paid	4,033,233.			4,751,287.
26 Total expenses and disbursements. Add lines 24 and 25	9,302,847.	2,140,095.	2,239,498.	7,776,198.	
27 Subtract line 26 from line 12:					
a Excess of revenue over expenses and disbursements	-5,645,037.				
b Net investment income (if negative, enter -0-)		4,019,987.			
c Adjusted net income (if negative, enter -0-)			4,736,435.		

623501 11-23-16 LHA For Paperwork Reduction Act Notice, see instructions.

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Part II Balance Sheets Attached schedules and amounts in the description column should be for end-of-year amounts only		Beginning of year	End of year	
		(a) Book Value	(b) Book Value	(c) Fair Market Value
Assets	1 Cash - non-interest-bearing	2,207,044.	5,248,606.	5,248,606.
	2 Savings and temporary cash investments			
	3 Accounts receivable ▶			
	Less: allowance for doubtful accounts ▶			
	4 Pledges receivable ▶			
	Less: allowance for doubtful accounts ▶			
	5 Grants receivable			
	6 Receivables due from officers, directors, trustees, and other disqualified persons			
	7 Other notes and loans receivable ▶ <u>1,664,500.</u>			
	Less: allowance for doubtful accounts ▶ <u>0.</u>	1,664,500.	1,664,500.	1,664,500.
	8 Inventories for sale or use			
	9 Prepaid expenses and deferred charges			
	10a Investments - U.S. and state government obligations			
	b Investments - corporate stock STMT 10	82,881,236.	87,333,409.	87,333,409.
	c Investments - corporate bonds			
	Liabilities	11 Investments - land, buildings, and equipment basis ▶		
Less accumulated depreciation ▶				
12 Investments - mortgage loans				
13 Investments - other STMT 11		62,940,775.	60,168,739.	60,168,739.
14 Land, buildings, and equipment: basis ▶ <u>838,923.</u>				
Less accumulated depreciation ▶ <u>790,837.</u>		57,169.	48,086.	48,086.
15 Other assets (describe ▶ <u>OTHER ASSETS</u>)		249,671.	229,265.	229,265.
16 Total assets (to be completed by all filers - see the instructions. Also, see page 1, item I)		150,000,395.	154,692,605.	154,692,605.
17 Accounts payable and accrued expenses		69,875.	54,476.	
18 Grants payable		1,250,569.	560,000.	
19 Deferred revenue				
20 Loans from officers, directors, trustees, and other disqualified persons				
21 Mortgages and other notes payable				
22 Other liabilities (describe ▶ <u>STATEMENT 12</u>)	2,134,791.	2,144,159.		
23 Total liabilities (add lines 17 through 22)	3,455,235.	2,758,635.		
Net Assets or Fund Balances	Foundations that follow SFAS 117, check here ☒ <u>X</u> and complete lines 24 through 26 and lines 30 and 31.			
	24 Unrestricted	146,545,160.	151,933,970.	
	25 Temporarily restricted			
	26 Permanently restricted			
	Foundations that do not follow SFAS 117, check here ☐			
	27 Capital stock, trust principal, or current funds			
	28 Paid-in or capital surplus, or land, bldg., and equipment fund			
	29 Retained earnings, accumulated income, endowment, or other funds	146,545,160.	151,933,970.	
30 Total net assets or fund balances	150,000,395.	154,692,605.		
31 Total liabilities and net assets/fund balances				

Part III Analysis of Changes in Net Assets or Fund Balances

1 Total net assets or fund balances at beginning of year - Part II, column (a), line 30 (must agree with end-of-year figure reported on prior year's return)	1	146,545,160.
2 Enter amount from Part I, line 27a	2	-5,645,037.
3 Other increases not included in line 2 (itemize) ▶ <u>SEE STATEMENT 9</u>	3	11,033,847.
4 Add lines 1, 2, and 3	4	151,933,970.
5 Decreases not included in line 2 (itemize) ▶	5	0.
6 Total net assets or fund balances at end of year (line 4 minus line 5) - Part II, column (b), line 30	6	151,933,970.

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Part IV Capital Gains and Losses for Tax on Investment Income

(a) List and describe the kind(s) of property sold (e.g., real estate, 2-story brick warehouse; or common stock, 200 shs. MLC Co.)	(b) How acquired P - Purchase D - Donation	(c) Date acquired (mo., day, yr.)	(d) Date sold (mo., day, yr.)
1a			
b SEE ATTACHED STATEMENT			
c			
d			
e			

(e) Gross sales price	(f) Depreciation allowed (or allowable)	(g) Cost or other basis plus expense of sale	(h) Gain or (loss) (e) plus (f) minus (g)
a			
b			
c			
d			
e 2,354,366.		5,018,994.	-2,664,628.

Complete only for assets showing gain in column (h) and owned by the foundation on 12/31/69

(i) F.M.V. as of 12/31/69	(j) Adjusted basis as of 12/31/69	(k) Excess of col. (i) over col. (j), if any	(l) Gains (Col. (h) gain minus col. (k), but not less than -0-) or Losses (from col. (h))
a			
b			
c			
d			
e			-2,664,628.

2 Capital gain net income or (net capital loss) { If gain, also enter in Part I, line 7 If (loss), enter -0- in Part I, line 7 }	2	-2,664,628.
3 Net short-term capital gain or (loss) as defined in sections 1222(5) and (6): If gain, also enter in Part I, line 8, column (c). If (loss), enter -0- in Part I, line 8	3	653,495.

Part V Qualification Under Section 4940(e) for Reduced Tax on Net Investment Income

(For optional use by domestic private foundations subject to the section 4940(a) tax on net investment income.)

N/A

If section 4940(d)(2) applies, leave this part blank

Was the foundation liable for the section 4942 tax on the distributable amount of any year in the base period?

☐ Yes ☐ No

If "Yes," the foundation does not qualify under section 4940(e). Do not complete this part.

1 Enter the appropriate amount in each column for each year; see the instructions before making any entries.

(a) Base period years Calendar year (or tax year beginning in)	(b) Adjusted qualifying distributions	(c) Net value of noncharitable-use assets	(d) Distribution ratio (col. (b) divided by col. (c))
2015			
2014			
2013			
2012			
2011			

- 2 Total of line 1, column (d)
- 3 Average distribution ratio for the 5-year base period - divide the total on line 2 by 5, or by the number of years the foundation has been in existence if less than 5 years
- 4 Enter the net value of noncharitable-use assets for 2016 from Part X, line 5
- 5 Multiply line 4 by line 3
- 6 Enter 1% of net investment income (1% of Part I, line 27b)
- 7 Add lines 5 and 6
- 8 Enter qualifying distributions from Part XII, line 4
- If line 8 is equal to or greater than line 7, check the box in Part VI, line 1b, and complete that part using a 1% tax rate. See the Part VI instructions.

2	
3	
4	
5	
6	
7	
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Part VI Excise Tax Based on Investment Income (Section 4940(a), 4940(b), 4940(e), or 4948 - see instructions)

1a Exempt operating foundations described in section 4940(d)(2), check here ☒ and enter "N/A" on line 1. Date of ruling or determination letter: <u>06/25/87</u> (attach copy of letter if necessary-see instructions)		1	N/A
b Domestic foundations that meet the section 4940(e) requirements in Part V, check here ☐ and enter 1% of Part I, line 27b			
c All other domestic foundations enter 2% of line 27b. Exempt foreign organizations enter 4% of Part I, line 12, col. (b).			
2 Tax under section 511 (domestic section 4947(a)(1) trusts and taxable foundations only. Others enter -0-)		2	
3 Add lines 1 and 2		3	
4 Subtitle A (income) tax (domestic section 4947(a)(1) trusts and taxable foundations only. Others enter -0-)		4	
5 Tax based on investment income. Subtract line 4 from line 3. If zero or less, enter -0-		5	0.
6 Credits/Payments:			
a 2016 estimated tax payments and 2015 overpayment credited to 2016	6a		
b Exempt foreign organizations - tax withheld at source	6b		
c Tax paid with application for extension of time to file (Form 8868)	6c		
d Backup withholding erroneously withheld	6d		
7 Total credits and payments. Add lines 6a through 6d		7	0.
8 Enter any penalty for underpayment of estimated tax. Check here ☐ if Form 2220 is attached		8	
9 Tax due. If the total of lines 5 and 8 is more than line 7, enter amount owed		9	0.
10 Overpayment. If line 7 is more than the total of lines 5 and 8, enter the amount overpaid		10	
11 Enter the amount of line 10 to be: Credited to 2017 estimated tax ☐ Refunded ☐		11	

Part VII-A Statements Regarding Activities

	Yes	No
1a During the tax year, did the foundation attempt to influence any national, state, or local legislation or did it participate or intervene in any political campaign?		X
b Did it spend more than \$100 during the year (either directly or indirectly) for political purposes (see instructions for the definition)? If the answer is "Yes" to 1a or 1b, attach a detailed description of the activities and copies of any materials published or distributed by the foundation in connection with the activities		X
c Did the foundation file Form 1120-POL for this year?		X
d Enter the amount (if any) of tax on political expenditures (section 4955) imposed during the year: (1) On the foundation. \$ <u>0.</u> (2) On foundation managers. \$ <u>0.</u>		
e Enter the reimbursement (if any) paid by the foundation during the year for political expenditure tax imposed on foundation managers \$ <u>0.</u>		
2 Has the foundation engaged in any activities that have not previously been reported to the IRS? If "Yes," attach a detailed description of the activities		X
3 Has the foundation made any changes, not previously reported to the IRS, in its governing instrument, articles of incorporation, or bylaws, or other similar instruments? If "Yes," attach a conformed copy of the changes		X
4a Did the foundation have unrelated business gross income of \$1,000 or more during the year?	X	
b If "Yes," has it filed a tax return on Form 990-T for this year?	X	
5 Was there a liquidation, termination, dissolution, or substantial contraction during the year? If "Yes," attach the statement required by General Instruction T		X
6 Are the requirements of section 508(e) (relating to sections 4941 through 4945) satisfied either: • By language in the governing instrument, or • By state legislation that effectively amends the governing instrument so that no mandatory directions that conflict with the state law remain in the governing instrument?	X	
7 Did the foundation have at least \$5,000 in assets at any time during the year? If "Yes," complete Part II, col (c), and Part XV	X	
8a Enter the states to which the foundation reports or with which it is registered (see instructions) <u>AL, AZ, CA, IA, MD, MN, NY</u>		
b If the answer is "Yes" to line 7, has the foundation furnished a copy of Form 990-PF to the Attorney General (or designate) of each state as required by General Instruction G? If "No," attach explanation SEE STATEMENT 13		X
9 Is the foundation claiming status as a private operating foundation within the meaning of section 4942(j)(3) or 4942(j)(5) for calendar year 2016 or the taxable year beginning in 2016 (see instructions for Part XIV)? If "Yes," complete Part XIV	X	
10 Did any persons become substantial contributors during the tax year? If "Yes," attach a schedule listing their names and addresses		X

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Part VII-A Statements Regarding Activities (continued)

	Yes	No
11 At any time during the year, did the foundation, directly or indirectly, own a controlled entity within the meaning of section 512(b)(13)? If "Yes," attach schedule (see instructions)		X
12 Did the foundation make a distribution to a donor advised fund over which the foundation or a disqualified person had advisory privileges? If "Yes," attach statement (see instructions)		X
13 Did the foundation comply with the public inspection requirements for its annual returns and exemption application? Website address ► WWW.RESCORP.ORG	X	
14 The books are in care of ► DANIEL GASCH, CFO Telephone no. ► 520-571-1111 Located at ► 4703 EAST CAMP LOWELL DRIVE, NO. 201, TUCSON, AZ ZIP+4 ► 85712		
15 Section 4947(a)(1) nonexempt charitable trusts filing Form 990-PF in lieu of Form 1041 - Check here and enter the amount of tax-exempt interest received or accrued during the year	15	N/A
16 At any time during calendar year 2016, did the foundation have an interest in or a signature or other authority over a bank, securities, or other financial account in a foreign country? See the instructions for exceptions and filing requirements for FinCEN Form 114. If "Yes," enter the name of the foreign country ►	16	X

Part VII-B Statements Regarding Activities for Which Form 4720 May Be Required

File Form 4720 if any item is checked in the "Yes" column, unless an exception applies.

	Yes	No
1a During the year did the foundation (either directly or indirectly): (1) Engage in the sale or exchange, or leasing of property with a disqualified person? ☐ Yes ☒ No (2) Borrow money from, lend money to, or otherwise extend credit to (or accept it from) a disqualified person? ☐ Yes ☒ No (3) Furnish goods, services, or facilities to (or accept them from) a disqualified person? ☐ Yes ☒ No (4) Pay compensation to, or pay or reimburse the expenses of, a disqualified person? ☒ Yes ☐ No (5) Transfer any income or assets to a disqualified person (or make any of either available for the benefit or use of a disqualified person)? ☐ Yes ☒ No (6) Agree to pay money or property to a government official? (Exception. Check "No" if the foundation agreed to make a grant to or to employ the official for a period after termination of government service, if terminating within 90 days.) ☐ Yes ☒ No		
b If any answer is "Yes" to 1a(1)-(6), did any of the acts fail to qualify under the exceptions described in Regulations section 53.4941(d)-3 or in a current notice regarding disaster assistance (see instructions)? Organizations relying on a current notice regarding disaster assistance check here ► ☐	1b	X
c Did the foundation engage in a prior year in any of the acts described in 1a, other than excepted acts, that were not corrected before the first day of the tax year beginning in 2016?	1c	X
2 Taxes on failure to distribute income (section 4942) (does not apply for years the foundation was a private operating foundation defined in section 4942(j)(3) or 4942(j)(5)): a At the end of tax year 2016, did the foundation have any undistributed income (lines 6d and 6e, Part XIII) for tax year(s) beginning before 2016? ☐ Yes ☒ No If "Yes," list the years ► _____, _____, _____ b Are there any years listed in 2a for which the foundation is not applying the provisions of section 4942(a)(2) (relating to incorrect valuation of assets) to the year's undistributed income? (If applying section 4942(a)(2) to all years listed, answer "No" and attach statement - see instructions.) N/A c If the provisions of section 4942(a)(2) are being applied to any of the years listed in 2a, list the years here. ► _____, _____, _____	2b	
3a Did the foundation hold more than a 2% direct or indirect interest in any business enterprise at any time during the year? ☒ Yes ☐ No b If "Yes," did it have excess business holdings in 2016 as a result of (1) any purchase by the foundation or disqualified persons after May 26, 1969; (2) the lapse of the 5-year period (or longer period approved by the Commissioner under section 4943(c)(7)) to dispose of holdings acquired by gift or bequest; or (3) the lapse of the 10-, 15-, or 20-year first phase holding period? (Use Schedule C, Form 4720, to determine if the foundation had excess business holdings in 2016)	3b	X
4a Did the foundation invest during the year any amount in a manner that would jeopardize its charitable purposes? b Did the foundation make any investment in a prior year (but after December 31, 1969) that could jeopardize its charitable purpose that had not been removed from jeopardy before the first day of the tax year beginning in 2016?	4a	X
	4b	X

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Part VII-B Statements Regarding Activities for Which Form 4720 May Be Required (continued)**5a** During the year did the foundation pay or incur any amount to:

(1) Carry on propaganda, or otherwise attempt to influence legislation (section 4945(e))?

☐ Yes ☒ No

(2) Influence the outcome of any specific public election (see section 4955); or to carry on, directly or indirectly, any voter registration drive?

☐ Yes ☒ No

(3) Provide a grant to an individual for travel, study, or other similar purposes?

☐ Yes ☒ No

(4) Provide a grant to an organization other than a charitable, etc., organization described in section 4945(d)(4)(A)? (see instructions)

☐ Yes ☒ No

(5) Provide for any purpose other than religious, charitable, scientific, literary, or educational purposes, or for the prevention of cruelty to children or animals?

☐ Yes ☒ No**b** If any answer is "Yes" to 5a(1)-(5), did any of the transactions fail to qualify under the exceptions described in Regulations section 53.4945 or in a current notice regarding disaster assistance (see instructions)?

N/A

Organizations relying on a current notice regarding disaster assistance check here

☒**c** If the answer is "Yes" to question 5a(4), does the foundation claim exemption from the tax because it maintained expenditure responsibility for the grant?

N/A

☐ Yes ☐ No

If "Yes," attach the statement required by Regulations section 53.4945-5(d)

6a Did the foundation, during the year, receive any funds, directly or indirectly, to pay premiums on a personal benefit contract?☐ Yes ☒ No**b** Did the foundation, during the year, pay premiums, directly or indirectly, on a personal benefit contract?

If "Yes" to 6b, file Form 8870

6b

X

7a At any time during the tax year, was the foundation a party to a prohibited tax shelter transaction?☐ Yes ☒ No**b** If "Yes," did the foundation receive any proceeds or have any net income attributable to the transaction?

N/A

7b

Part VIII Information About Officers, Directors, Trustees, Foundation Managers, Highly Paid Employees, and Contractors**1** List all officers, directors, trustees, foundation managers and their compensation.

(a) Name and address	(b) Title, and average hours per week devoted to position	(c) Compensation (if not paid, enter -0-)	(d) Contributions to employee benefit plans and deferred compensation	(e) Expense account, other allowances
SEE STATEMENT 14		621,103.	95,111.	59,800.

2 Compensation of five highest-paid employees (other than those included on line 1). If none, enter "NONE."

(a) Name and address of each employee paid more than \$50,000	(b) Title, and average hours per week devoted to position	(c) Compensation	(d) Contributions to employee benefit plans and deferred compensation	(e) Expense account, other allowances
DR. RICHARD WIENER - 4703 E. CAMP LOWELL #201, TUCSON, AZ 85712	PROGRAM DIRECTOR 40.00	152,000.	37,035.	15,200.
DR. SILVIA RONCO - 4703 E. CAMP LOWELL #201, TUCSON, AZ 85712	PROGRAM DIRECTOR 40.00	152,000.	32,810.	15,200.
MS. GAIL CRAIG-JAGER - 4703 E. CAMP LOWELL #201, TUCSON, AZ 85712	FINANCIAL ADMINISTRATOR 40.00	98,942.	20,401.	9,894.
MR. DAN HUFF - 4703 E. CAMP LOWELL #201, TUCSON, AZ 85712	COMMUNICATIONS DIRECTOR 40.00	86,100.	20,619.	8,610.
MR. THOMAS GOODENOW - 4703 E. CAMP LOWELL #201, TUCSON, AZ 85712	IT DIRECTOR 40.00	76,000.	26,614.	7,600.

Total number of other employees paid over \$50,000

1

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Part VIII Information About Officers, Directors, Trustees, Foundation Managers, Highly Paid Employees, and Contractors (continued)**3** Five highest-paid independent contractors for professional services. If none, enter "NONE."

(a) Name and address of each person paid more than \$50,000	(b) Type of service	(c) Compensation
ANGELO, GORDON & CO. 245 PARK AVENUE, NEW YORK, NY 10167	INVESTMENT MANAGEMENT	1,265,523.
CITCO FUND SERVICES CUSTOM HOUSE PLAZA, BLOCK 6, DUBLIN, IRELAND	INVESTMENT MANAGEMENT	289,464.
SANDS CAPITAL MANAGEMENT P.O. BOX 219009, KANSAS CITY, MO 64121	INVESTMENT MANAGEMENT	250,722.
DODGE & COX FUNDS P.O. BOX 8422, BOSTON, MA 02266	INVESTMENT MANAGEMENT	154,605.
DATASCOPE ANALYTICS, LLC 17 N. STATE ST. STE. 1250, CHICAGO, IL 60602	DATA ANALYSIS	54,000.

Total number of others receiving over \$50,000 for professional services

0

Part IX-A Summary of Direct Charitable Activities

List the foundation's four largest direct charitable activities during the tax year. Include relevant statistical information such as the number of organizations and other beneficiaries served, conferences convened, research papers produced, etc.

Expenses

1	SEE STATEMENT 15	4,182,926.
2	SEE STATEMENT 16	1,165,801.
3	SEE STATEMENT 17	944,248.
4	SEE STATEMENT 18	533,641.

Part IX-B Summary of Program-Related Investments

Describe the two largest program-related investments made by the foundation during the tax year on lines 1 and 2.

Amount

1	N/A	
2		
3	All other program-related investments. See instructions.	

Total. Add lines 1 through 3

0.

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Part X Minimum Investment Return (All domestic foundations must complete this part. Foreign foundations, see instructions.)

1	Fair market value of assets not used (or held for use) directly in carrying out charitable, etc., purposes:		
a	Average monthly fair market value of securities	1a	100,696,129.
b	Average of monthly cash balances	1b	2,432,992.
c	Fair market value of all other assets	1c	44,897,569.
d	Total (add lines 1a, b, and c)	1d	148,026,690.
e	Reduction claimed for blockage or other factors reported on lines 1a and 1c (attach detailed explanation)	1e	0.
2	Acquisition indebtedness applicable to line 1 assets	2	0.
3	Subtract line 2 from line 1d	3	148,026,690.
4	Cash deemed held for charitable activities. Enter 1 1/2% of line 3 (for greater amount, see instructions)	4	2,220,400.
5	Net value of noncharitable-use assets. Subtract line 4 from line 3. Enter here and on Part V, line 4	5	145,806,290.
6	Minimum investment return. Enter 5% of line 5	6	7,290,315.

Part XI Distributable Amount (see instructions) (Section 4942(j)(3) and (j)(5) private operating foundations and certain foreign organizations check here ☒ and do not complete this part.)

1	Minimum investment return from Part X, line 6	1	
2a	Tax on investment income for 2016 from Part VI, line 5	2a	
b	Income tax for 2016. (This does not include the tax from Part VI.)	2b	
c	Add lines 2a and 2b	2c	
3	Distributable amount before adjustments. Subtract line 2c from line 1	3	
4	Recoveries of amounts treated as qualifying distributions	4	
5	Add lines 3 and 4	5	
6	Deduction from distributable amount (see instructions)	6	
7	Distributable amount as adjusted. Subtract line 6 from line 5. Enter here and on Part XIII, line 1	7	

Part XII Qualifying Distributions (see instructions)

1	Amounts paid (including administrative expenses) to accomplish charitable, etc., purposes:		
a	Expenses, contributions, gifts, etc. - total from Part I, column (d), line 26	1a	7,776,198.
b	Program-related investments - total from Part IX-B	1b	0.
2	Amounts paid to acquire assets used (or held for use) directly in carrying out charitable, etc., purposes	2	
3	Amounts set aside for specific charitable projects that satisfy the:		
a	Suitability test (prior IRS approval required)	3a	
b	Cash distribution test (attach the required schedule)	3b	
4	Qualifying distributions. Add lines 1a through 3b. Enter here and on Part V, line 8, and Part XIII, line 4	4	7,776,198.
5	Foundations that qualify under section 4940(e) for the reduced rate of tax on net investment income. Enter 1% of Part I, line 27b	5	0.
6	Adjusted qualifying distributions. Subtract line 5 from line 4	6	7,776,198.

Note: The amount on line 6 will be used in Part V, column (b), in subsequent years when calculating whether the foundation qualifies for the section 4940(e) reduction of tax in those years.

Part XIII Undistributed Income (see instructions)

N/A

	(a) Corpus	(b) Years prior to 2015	(c) 2015	(d) 2016
1 Distributable amount for 2016 from Part XI, line 7				
2 Undistributed income, if any, as of the end of 2016				
a Enter amount for 2015 only				
b Total for prior years:				
3 Excess distributions carryover, if any, to 2016:				
a From 2011				
b From 2012				
c From 2013				
d From 2014				
e From 2015				
f Total of lines 3a through e				
4 Qualifying distributions for 2016 from Part XII, line 4. ► \$				
a Applied to 2015, but not more than line 2a				
b Applied to undistributed income of prior years (Election required - see instructions)				
c Treated as distributions out of corpus (Election required - see instructions)				
d Applied to 2016 distributable amount				
e Remaining amount distributed out of corpus				
5 Excess distributions carryover applied to 2016 (If an amount appears in column (d), the same amount must be shown in column (a).)				
6 Enter the net total of each column as indicated below:				
a Corpus. Add lines 3f, 4c, and 4e. Subtract line 5				
b Prior years' undistributed income. Subtract line 4b from line 2b				
c Enter the amount of prior years' undistributed income for which a notice of deficiency has been issued, or on which the section 4942(a) tax has been previously assessed				
d Subtract line 6c from line 6b. Taxable amount - see instructions				
e Undistributed income for 2015. Subtract line 4a from line 2a. Taxable amount - see instr.				
f Undistributed income for 2016. Subtract lines 4d and 5 from line 1. This amount must be distributed in 2017				
7 Amounts treated as distributions out of corpus to satisfy requirements imposed by section 170(b)(1)(F) or 4942(g)(3) (Election may be required - see instructions)				
8 Excess distributions carryover from 2011 not applied on line 5 or line 7				
9 Excess distributions carryover to 2017. Subtract lines 7 and 8 from line 6a				
10 Analysis of line 9:				
a Excess from 2012				
b Excess from 2013				
c Excess from 2014				
d Excess from 2015				
e Excess from 2016				

Part XIV Private Operating Foundations (see instructions and Part VII-A, question 9)

1 a If the foundation has received a ruling or determination letter that it is a private operating foundation, and the ruling is effective for 2016, enter the date of the ruling

06/25/87

b Check box to indicate whether the foundation is a private operating foundation described in section

☒ 4942(j)(3) or ☐ 4942(j)(5)

2 a Enter the lesser of the adjusted net income from Part I or the minimum investment return from Part X for each year listed

b 85% of line 2a

c Qualifying distributions from Part XII, line 4 for each year listed

d Amounts included in line 2c not used directly for active conduct of exempt activities

e Qualifying distributions made directly for active conduct of exempt activities.

Subtract line 2d from line 2c

3 Complete 3a, b, or c for the alternative test relied upon:

a "Assets" alternative test - enter:

(1) Value of all assets

(2) Value of assets qualifying under section 4942(j)(3)(B)(i)

b "Endowment" alternative test - enter 2/3 of minimum investment return shown in Part X, line 6 for each year listed

c "Support" alternative test - enter:

(1) Total support other than gross investment income (interest, dividends, rents, payments on securities loans (section 512(a)(5)), or royalties)

(2) Support from general public and 5 or more exempt organizations as provided in section 4942(j)(3)(B)(iii)

(3) Largest amount of support from an exempt organization

(4) Gross investment income

Tax year	Prior 3 years			(e) Total
(a) 2016	(b) 2015	(c) 2014	(d) 2013	
4,736,435.	6,514,998.	6,692,336.	7,916,535.	25,860,304.
4,025,970.	5,537,748.	5,688,486.	6,729,055.	21,981,258.
7,776,198.	6,411,219.	7,493,824.	8,056,240.	29,737,481.
41,298.	44,627.	52,435.	0.	138,360.
7,734,900.	6,366,592.	7,441,389.	8,056,240.	29,599,121.
154,692,605.	150,000,395.	157,589,550.	160,741,837.	623,024,387.
				0.
4,860,210.	5,079,617.	5,229,595.	5,277,690.	20,447,112.
				0.
				0.
				0.
				0.

Part XV Supplementary Information (Complete this part only if the foundation had \$5,000 or more in assets at any time during the year-see instructions.)

1 Information Regarding Foundation Managers:

a List any managers of the foundation who have contributed more than 2% of the total contributions received by the foundation before the close of any tax year (but only if they have contributed more than \$5,000). (See section 507(d)(2).)

NONE

b List any managers of the foundation who own 10% or more of the stock of a corporation (or an equally large portion of the ownership of a partnership or other entity) of which the foundation has a 10% or greater interest.

NONE

2 Information Regarding Contribution, Grant, Gift, Loan, Scholarship, etc., Programs:

Check here ☐ if the foundation only makes contributions to preselected charitable organizations and does not accept unsolicited requests for funds. If the foundation makes gifts, grants, etc. (see instructions) to individuals or organizations under other conditions, complete items 2a, b, c, and d.

a The name, address, and telephone number or e-mail address of the person to whom applications should be addressed:

DANIEL GASCH, 520-571-1111

4703 E. CAMP LOWELL, SUITE 201, TUCSON, AZ 85712

b The form in which applications should be submitted and information and materials they should include:

c Any submission deadlines:

NONE

d Any restrictions or limitations on awards, such as by geographical areas, charitable fields, kinds of institutions, or other factors:

INDIVIDUALS PERFORMING SCIENTIFIC RESEARCH AT ACADEMIC INSTITUTIONS OF ALL LEVELS.

RESEARCH CORPORATION DBA RESEARCH
CORPORATION FOR SCIENCE ADVANCEMENT**Part XV** Supplementary Information (continued)**3** Grants and Contributions Paid During the Year or Approved for Future Payment

Recipient Name and address (home or business)	If recipient is an individual, show any relationship to any foundation manager or substantial contributor	Foundation status of recipient	Purpose of grant or contribution	Amount
a Paid during the year				
SEE ATTACHED STATEMENT				4,751,287.
Total			3a	4,751,287.
b Approved for future payment				
SEE ATTACHED STATEMENT				560,000.
Total			3b	560,000.

Form 990-PF (2016)

Part XVI-A Analysis of Income-Producing Activities

Enter gross amounts unless otherwise indicated

Enter gross amounts unless otherwise indicated		Unrelated business income		Excluded by section 512, 513, or 514		(e) Related or exempt function income
	(a) Business code	(b) Amount	(c) Exclu- sion code	(d) Amount		
1 Program service revenue:						
a _____						
b _____						
c _____						
d _____						
e _____						
f _____						
g Fees and contracts from government agencies						
2 Membership dues and assessments						
3 Interest on savings and temporary cash investments						
4 Dividends and interest from securities			14	5,724,338.		
5 Net rental income or (loss) from real estate:						
a Debt-financed property						
b Not debt-financed property			16	-55,184.		
6 Net rental income or (loss) from personal property						
7 Other investment income						
8 Gain or (loss) from sales of assets other than inventory			18	-2,664,628.		
9 Net income or (loss) from special events						
10 Gross profit or (loss) from sales of inventory						
11 Other revenue:						
a OTHER INCOME (LOSS) FROM						
b K-1S	900099	162,356.	14	490,920.		
c OTHER MISC. INCOME	900099		15	8.		
d _____						
e _____						
12 Subtotal. Add columns (b), (d), and (e)		162,356.		3,495,454.		0.
13 Total. Add line 12, columns (b), (d), and (e)						3,657,810.

(See worksheet in line 13 instructions to verify calculations.)

Part XVI-B Relationship of Activities to the Accomplishment of Exempt Purposes

[illegible]

RESEARCH CORPORATION DBA RESEARCH
CORPORATION FOR SCIENCE ADVANCEMENT

CONTINUATION FOR 990-PF, PART IV
13-1963407 PAGE 1 OF 1

Part IV Capital Gains and Losses for Tax on Investment Income

(a) List and describe the kind(s) of property sold, e.g., real estate, 2-story brick warehouse; or common stock, 200 shs. MLC Co.	(b) How acquired P - Purchase D - Donation	(c) Date acquired (mo., day, yr.)	(d) Date sold (mo., day, yr.)
1a AG CAPITAL RECOVERY PARTNERS V LP	P		
b AG CAPITAL RECOVERY PARTNERS V LP	P		
c AG CAPITAL RECOVERY PARTNERS VI LP	P		
d AG CAPITAL RECOVERY PARTNERS VI LP	P		
e AG OPPORTUNISTIC WHOLE LOAN FUND	P		
f AG REALTY FUND IV	P		
g AG REALTY FUND VI	P		
h AG SUPER FUND LP	P		
i AG SUPER FUND LP	P		
j AG COMMERCIAL REAL ESTATE DEBT LP			
k VANGUARD	P		
l VANGUARD	P		
m VANGUARD	P		
n DODGE & COX	P		
o DODGE & COX	P		

(e) Gross sales price	(f) Depreciation allowed (or allowable)	(g) Cost or other basis plus expense of sale	(h) Gain or (loss) (e) plus (f) minus (g)
a		4,007.	-4,007.
b		2,375.	-2,375.
c	2.		2.
d	251,845.		251,845.
e	203,594.		203,594.
f	10.		10.
g		12,612.	-12,612.
h	422,662.		422,662.
i	864,735.		864,735.
j		5,000,000.	-5,000,000.
k	6,903.		6,903.
l	46,573.		46,573.
m	103,580.		103,580.
n	124,355.		124,355.
o	330,107.		330,107.

Complete only for assets showing gain in column (h) and owned by the foundation on 12/31/69

(i) F.M.V. as of 12/31/69	(j) Adjusted basis as of 12/31/69	(k) Excess of col. (i) over col. (j), if any	(l) Losses (from col. (h)) Gains (excess of col. (h) gain over col. (k), but not less than "-0-")
a			** -4,007.
b			-2,375.
c			** 2.
d			251,845.
e			203,594.
f			10.
g			-12,612.
h			** 422,662.
i			864,735.
j			-5,000,000.
k			** 6,903.
l			46,573.
m			** 103,580.
n			** 124,355.
o			330,107.

2 Capital gain net income or (net capital loss) { If gain, also enter in Part I, line 7 If (loss), enter "-0-" in Part I, line 7 }	2	-2,664,628.
3 Net short-term capital gain or (loss) as defined in sections 1222(5) and (6): If gain, also enter in Part I, line 8, column (c). If (loss), enter "-0-" in Part I, line 8 }	3	653,495.

623591
04-01-16

** (SHORT-TERM)

FORM 990-PF	DIVIDENDS AND INTEREST FROM SECURITIES	STATEMENT	1
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SOURCE	GROSS AMOUNT	CAPITAL GAINS DIVIDENDS	(A) REVENUE PER BOOKS	(B) NET INVEST- MENT INCOME	(C) ADJUSTED NET INCOME
DODGE & COX	316,541.	0.	316,541.	316,541.	316,541.
K-1 INVESTMENTS	977,443.	0.	977,443.	977,443.	977,443.
PFIC INVESTMENTS	3,838,512.	0.	3,838,512.	3,838,512.	3,838,512.
VANGUARD	591,842.	0.	591,842.	591,842.	591,842.
TO PART I, LINE 4	5,724,338.	0.	5,724,338.	5,724,338.	5,724,338.

FORM 990-PF	RENTAL INCOME	STATEMENT	2
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KIND AND LOCATION OF PROPERTY	ACTIVITY NUMBER	GROSS RENTAL INCOME
REAL ESTATE - AG REALTY FUND IV LP	1	-898.
REAL ESTATE - AG REALTY FUND VI LP	3	-50,524.
REAL ESTATE - AG SUPER FUND LP	4	-3,762.
TOTAL TO FORM 990-PF, PART I, LINE 5A		-55,184.

FORM 990-PF	OTHER INCOME	STATEMENT	3
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DESCRIPTION	(A) REVENUE PER BOOKS	(B) NET INVEST- MENT INCOME	(C) ADJUSTED NET INCOME
OTHER INCOME (LOSS) FROM K-1S	653,276.	490,920.	653,276.
OTHER MISC. INCOME	8.	8.	8.
TOTAL TO FORM 990-PF, PART I, LINE 11	653,284.	490,928.	653,284.

FORM 990-PF	LEGAL FEES			STATEMENT 4
DESCRIPTION	(A) EXPENSES PER BOOKS	(B) NET INVEST- MENT INCOME	(C) ADJUSTED NET INCOME	(D) CHARITABLE PURPOSES
LEGAL FEES	1,969.	0.	0.	1,969.
TO FM 990-PF, PG 1, LN 16A	1,969.	0.	0.	1,969.

FORM 990-PF	ACCOUNTING FEES			STATEMENT 5
DESCRIPTION	(A) EXPENSES PER BOOKS	(B) NET INVEST- MENT INCOME	(C) ADJUSTED NET INCOME	(D) CHARITABLE PURPOSES
AUDIT & TAX FEES	43,229.	21,614.	21,614.	21,615.
TO FORM 990-PF, PG 1, LN 16B	43,229.	21,614.	21,614.	21,615.

FORM 990-PF	OTHER PROFESSIONAL FEES			STATEMENT 6
DESCRIPTION	(A) EXPENSES PER BOOKS	(B) NET INVEST- MENT INCOME	(C) ADJUSTED NET INCOME	(D) CHARITABLE PURPOSES
INVESTMENT FEES	2,010,802.	1,921,550.	2,010,802.	0.
CONSULTANT FEES	87,094.	0.	0.	87,094.
TO FORM 990-PF, PG 1, LN 16C	2,097,896.	1,921,550.	2,010,802.	87,094.

FORM 990-PF	TAXES			STATEMENT 7
DESCRIPTION	(A) EXPENSES PER BOOKS	(B) NET INVEST- MENT INCOME	(C) ADJUSTED NET INCOME	(D) CHARITABLE PURPOSES
UBTI TAXES	2,153.	0.	0.	0.
TO FORM 990-PF, PG 1, LN 18	2,153.	0.	0.	0.

FORM 990-PF	OTHER EXPENSES	STATEMENT	8
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DESCRIPTION	(A) EXPENSES PER BOOKS	(B) NET INVEST- MENT INCOME	(C) ADJUSTED NET INCOME	(D) CHARITABLE PURPOSES
POSTAGE	5,714.	0.	0.	5,714.
OFFICE EXPENSE	28,891.	0.	0.	28,891.
COMPUTER HARDWARE & EXPENSES	101,916.	0.	0.	101,916.
ADVERTISING & PROMOTION	31,726.	0.	0.	31,726.
INSURANCE	29,187.	0.	0.	29,187.
PROFESSIONAL DEVELOPMENT	6,864.	0.	0.	6,864.
AWARDS & HONORARIA	59,139.	0.	0.	59,139.
MISCELLANEOUS	876.	0.	0.	876.
ACCRUAL TO CASH ADJUSTMENT	0.	0.	0.	6,031.
TO FORM 990-PF, PG 1, LN 23	264,313.	0.	0.	270,344.

FORM 990-PF	OTHER INCREASES IN NET ASSETS OR FUND BALANCES	STATEMENT	9
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DESCRIPTION	AMOUNT
BOOK/TAX DIFFERENCE FROM INVESTMENTS	11,033,847.
TOTAL TO FORM 990-PF, PART III, LINE 3	11,033,847.

FORM 990-PF	CORPORATE STOCK	STATEMENT	10
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DESCRIPTION	BOOK VALUE	FAIR MARKET VALUE
PUBLIC EQUITY INVESTMENTS	87,333,409.	87,333,409.
TOTAL TO FORM 990-PF, PART II, LINE 10B	87,333,409.	87,333,409.

FORM 990-PF	OTHER INVESTMENTS	STATEMENT	11
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DESCRIPTION	VALUATION METHOD	BOOK VALUE	FAIR MARKET VALUE
ALTERNATIVE INVESTMENTS	FMV	43,584,448.	43,584,448.
FIXED INCOME INVESTMENTS	FMV	16,584,291.	16,584,291.
TOTAL TO FORM 990-PF, PART II, LINE 13		60,168,739.	60,168,739.

FORM 990-PF	OTHER LIABILITIES	STATEMENT	12
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DESCRIPTION	BOY AMOUNT	EOY AMOUNT
POSTRETIREMENT BENEFIT OBLIGATION	734,791.	761,159.
LBT LIABILITY	1,400,000.	1,383,000.
TOTAL TO FORM 990-PF, PART II, LINE 22	2,134,791.	2,144,159.

FORM 990-PF	EXPLANATION CONCERNING PART VII-A, LINE 8B	STATEMENT	13
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EXPLANATION

RESEARCH CORPORATION FILES IN SEVERAL STATES TO REPORT UNRELATED BUSINESS TAXABLE INCOME. THE CORPORATION HAS NO PRESENCE OR ACTIVITIES IN THESE STATES. SOME OF THESE STATES DO NOT REQUIRE REGISTRATION WITH THE ATTORNEY GENERAL IF CONTRIBUTIONS ARE NOT SOLICITED IN THE STATE.

FORM 990-PF PART VIII - LIST OF OFFICERS, DIRECTORS STATEMENT 14
TRUSTEES AND FOUNDATION MANAGERS

NAME AND ADDRESS	TITLE AND AVRG HRS/WK	COMPEN- SATION	EMPLOYEE BEN PLAN CONTRIB	EXPENSE ACCOUNT
DR. ROBERT N. SHELTON 4703 E. CAMP LOWELL #201 TUCSON, AZ 85712	PRESIDENT AND 40.00	BOARD MEMBER 405,343.	44,098.	38,500.
DR. ELIZABETH MCCORMACK 4703 E. CAMP LOWELL #201 TUCSON, AZ 85712	CHAIR OF THE BOARD 2.00	125.	0.	0.
MR. JONATHAN HOOK 4703 E. CAMP LOWELL #201 TUCSON, AZ 85712	TREASURER AND 2.00	BOARD MEMBER 308.	0.	0.
DR. BRENT IVERSON 4703 E. CAMP LOWELL #201 TUCSON, AZ 85712	SECRETARY AND 2.00	BOARD MEMBER 366.	0.	0.
MR. DANIEL GASCH 4703 E. CAMP LOWELL #201 TUCSON, AZ 85712	CHIEF FINANCIAL 40.00	OFFICER 213,000.	51,013.	21,300.
DR. LARS BILDSTEN 4703 E. CAMP LOWELL #201 TUCSON, AZ 85712	BOARD MEMBER 2.00	0.	0.	0.
MR. G. SCOTT CLEMONS 4703 E. CAMP LOWELL #201 TUCSON, AZ 85712	BOARD MEMBER 2.00	0.	0.	0.
DR. PETER DORHOUT 4703 E. CAMP LOWELL #201 TUCSON, AZ 85712	BOARD MEMBER 2.00	449.	0.	0.
DR. EUGENE FLOOD 4703 E. CAMP LOWELL #201 TUCSON, AZ 85712	BOARD MEMBER 2.00	551.	0.	0.
DR. GAYLE P. W. JACKSON 4703 E. CAMP LOWELL #201 TUCSON, AZ 85712	BOARD MEMBER 2.00	680.	0.	0.
MR. DAVID WENNER 4703 E. CAMP LOWELL #201 TUCSON, AZ 85712	BOARD MEMBER 2.00	281.	0.	0.

RESEARCH CORPORATION DBA RESEARCH CORPOR

13-1963407

DR. JOAN WOODARD	BOARD MEMBER			
4703 E. CAMP LOWELL #201	2.00	0.	0.	0.
TUCSON, AZ 85712				

TOTALS INCLUDED ON 990-PF, PAGE 6, PART VIII	621,103.	95,111.	59,800.
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FORM 990-PF	SUMMARY OF DIRECT CHARITABLE ACTIVITIES	STATEMENT	15
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ACTIVITY ONE

THE COTTRELL SCHOLAR AWARD DEVELOPS OUTSTANDING CHEMISTRY, PHYSICS AND ASTRONOMY TEACHER-SCHOLARS AT COLLEGES AND UNIVERSITIES WHO ARE RECOGNIZED BY THEIR SCIENTIFIC COMMUNITIES FOR THE QUALITY AND INNOVATION OF THEIR RESEARCH PROGRAMS AND THEIR ACADEMIC LEADERSHIP SKILLS. THIS AWARD PROVIDES ENTRY INTO A NATIONAL COMMUNITY OF OUTSTANDING SCHOLAR-EDUCATORS WHO PRODUCE SIGNIFICANT RESEARCH AND EDUCATION OUTCOMES. 24 COTTRELL SCHOLAR AWARDS AND 4 COLLABORATIVE AWARDS WERE GIVEN IN 2016.

EXPENSES

TO FORM 990-PF, PART IX-A, LINE 1	4,182,926.
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FORM 990-PF	SUMMARY OF DIRECT CHARITABLE ACTIVITIES	STATEMENT	16
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ACTIVITY TWO

SCIALOG SUPPORTS RESEARCH, INTENSIVE DIALOG AND COMMUNITY BUILDING TO ADDRESS SCIENTIFIC CHALLENGES OF GLOBAL SIGNIFICANCE. WITHIN EACH MULTI-YEAR INITIATIVE, SCIALOG FELLOWS COLLABORATE IN HIGH-RISK DISCOVERY RESEARCH ON UNTESTED IDEAS AND COMMUNICATE THEIR PROGRESS IN ANNUAL CLOSED CONFERENCES. THROUGH THE GIVE-AND-TAKE OF COMMUNITY BUILDING, IT IS THE FOUNDATION'S HOPE THAT SCIALOG FELLOWS GROW BETTER EQUIPPED TO TACKLE EVER MORE CHALLENGING MULTIDISCIPLINARY PROBLEMS. SCIALOG IS INTENDED TO: 1) SUPPORT EARLY CAREER FACULTY TO EXPAND RESEARCH IN A FOCUSED AREA OF HIGH SCIENTIFIC IMPORTANCE; 2) ENCOURAGE SCIENTISTS TO FORM MULTIDISCIPLINARY TEAMS TO TACKLE THESE CRITICAL CHALLENGES, AND; 3) HELP TRANSITION AWARDEES TO OBTAIN FURTHER FUNDING FOR THEIR INNOVATIVE IDEAS. IN 2016 TWO SCIALOG CONFERENCES, MOLECULES COME TO LIFE AND TIME DOMAIN ASTROPHYSICS, WERE HELD AT WHICH GRANT PROPOSALS WERE

RECEIVED FOR THE AWARDS MADE.

EXPENSES

TO FORM 990-PF, PART IX-A, LINE 2

1,165,801.

FORM 990-PF

SUMMARY OF DIRECT CHARITABLE ACTIVITIES

STATEMENT 17

ACTIVITY THREE

AFTER SEVERAL DECADES OF SUPPORTING SUCCESSFUL RESEARCH ACTIVITIES AT PRIMARILY UNDERGRADUATE INSTITUTIONS THROUGH THE COTTRELL COLLEGE SCIENCE AWARD (CCSA) PROGRAM, RCSA IS NOW TAKING THE SUPPORT TO AN EVEN HIGHER LEVEL BY CONSOLIDATING CCSA WITH COTTRELL SCHOLARS. 33 SINGLE-INVESTIGATOR CCSA AWARDS WERE MADE IN 2015, THE FINAL YEAR OF THE AWARD. EACH AWARD WAS PAID OVER TWO YEARS AND THE SECOND AND FINAL PAYMENTS WERE MADE IN 2016.

EXPENSES

TO FORM 990-PF, PART IX-A, LINE 3

944,248.

FORM 990-PF

SUMMARY OF DIRECT CHARITABLE ACTIVITIES

STATEMENT 18

ACTIVITY FOUR

COTTRELL SCHOLAR CAREER ADVANCEMENT AWARDS ARE AIMED AT ADVANCING THE SKILLS, KNOWLEDGE AND EXPERIENCE OF COTTRELL SCHOLARS TOWARD ATTAINING A LEADERSHIP ROLE IN THEIR INSTITUTIONS. THE CAREER ADVANCEMENT AWARDS REPRESENT A COMMITMENT TO COTTRELL SCHOLARS THROUGHOUT THEIR CAREERS. IN 2016, TWO TREE (TRANSFORMATIONAL RESEARCH AND EXCELLENCE IN EDUCATION) AWARDS, ONE LEAD (LEADERSHIP ENRICHMENT AND DEVELOPMENT) AWARD, AND FIVE SEED (SINGULAR EXCEPTIONAL ENDEAVORS OF DISCOVERY) AWARDS WERE MADE.

EXPENSES

TO FORM 990-PF, PART IX-A, LINE 4

533,641.

Schedule of Appropriations and Payments, by Request ID

Fiscal Year 2016

12/31/2016

Recipient and/or Purpose	Tax Status	Beginning Balance 2016	Newly Allocated 2016	Amended 2016	Amount Paid 2016	Ending Balance 2016
Creighton University 2500 California Plaza Omaha, NE 68178 <i>Precision Measurement of the Microwave Fano-Feshbach Resonance in Ultracold 41K Atoms</i> \$ 40,000.00 1/1/2015 ID 23186		\$8,073.00	\$0.00	\$0.00	\$8,073.00	\$0.00
Haverford College 370 Lancaster Avenue Haverford, PA 19041 <i>Developing Novel Detectors to Search for the Particle Origins of Dark Matter with the GAPS Experiment</i> \$ 20,000.00 1/1/2015 ID 23194		\$20,000.00	(\$21,172.00)	\$0.00	(\$1,172.00)	\$0.00
Bard College 30 Campus Road Annandale-on-Hudson, NY 12504-5000 <i>Quantum Hall Effects in Hybrid Graphene</i> \$ 40,000.00 1/1/2015 ID 23200		\$19,305.00	\$0.00	\$0.00	\$19,305.00	\$0.00
California Polytechnic State University, San Luis Obispo One Grand Avenue San Luis Obispo, CA 93407 <i>Fundamental Studies in Quasi-two-dimensional Hydrodynamics</i> \$ 40,000.00 1/1/2015 ID 23201		\$16,500.00	\$0.00	\$0.00	\$16,500.00	\$0.00

RESEARCH CORPORATION
DBA RESEARCH CORPORATION FOR SCIENCE ADVANCEMENT
ATTACHMENT TO FORM 990-PF, PART XV

EIN 13-1963407

Fiscal Year 2016

Recipient and/or Purpose	Tax Status	Beginning Balance 2016	Newly Allocated 2016	Amended 2016	Amount Paid 2016	Ending Balance 2016
Saint Olaf College 1520 St. Olaf Avenue Northfield, MN 55057 <i>Nickel-Catalyzed Decarboxylative Carbon-Carbon Bond Formation</i> \$ 40,000.00 1/1/2015 ID 23209		\$16,038.00	\$0.00	\$0.00	\$16,038.00	\$0.00
Western Washington University 516 High Street Bellingham, WA 98225 <i>Profiling the In Vitro Reactivity of Sortase Homologs for Use in Protein Modification</i> \$ 40,000.00 1/1/2015 ID 23210		\$16,750.00	\$0.00	\$0.00	\$16,750.00	\$0.00
Rochester Institute of Technology One Lomb Memorial Drive Rochester, NY 14623 <i>The Cell as an Adaptive Composite Material: Mechanics and Force Transmission</i> \$ 40,000.00 1/1/2015 ID 23211		\$19,689.00	\$0.00	\$0.00	\$19,689.00	\$0.00
Oberlin College 173 W. Lorain Street Oberlin, OH 44074 <i>Spin and Horizon Multipoles in Numerical Relativity, and the Visualization of Dynamical Spacetimes</i> \$ 40,000.00 1/1/2015 ID 23212		\$17,612.00	\$0.00	\$0.00	\$17,612.00	\$0.00

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Haverford College 370 Lancaster Avenue Haverford, PA 19041 <i>Forming the Most Luminous Galaxies in the Universe</i> \$ 40,000.00 1/1/2015 ID 23221		\$23,000.00	\$0.00	\$0.00	\$23,000.00	\$0.00
Reed College 3203 SE Woodstock Blvd. Portland, OR 97202 <i>Bismuth(III)-Chiral Anion Complexes Creating An Environmentally-Friendly, Versatile, Chiral Catalyst</i> \$ 40,000.00 1/1/2015 ID 23222		\$20,000.00	\$0.00	\$0.00	\$0.00	\$20,000.00
University of Wisconsin - Eau Claire 105 Garfield Avenue Eau Claire, WI 54702 <i>Towards Developing a Computational Inhibitor Screening Method for Quinone Reductase</i> \$ 40,000.00 1/1/2015 ID 23223		\$14,500.00	\$0.00	\$0.00	\$14,500.00	\$0.00
Texas State University 601 University Drive San Marcos, TX 78666 <i>Self-Assembly of Supramolecular Fractals with Self-Similarity</i> \$ 40,000.00 1/1/2015 ID. 23224		\$19,000.00	\$0.00	\$0.00	\$19,000.00	\$0.00

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Saint Joseph's University 5600 City Avenue Philadelphia, PA 19131 <i>Investigation of Magnetoviscous and Viscoelastic Properties of Micro to Nanoliter Ferrofluids</i> \$ 25,809.00 1/1/2015 ID 23228		\$14,191.00	(\$18,000.00)	\$0.00	(\$3,801.00)	\$0.00
Wabash College 301 W. Wabash Avenue Crawfordsville, IN 47933-2484 <i>From Dark to Light Versatile Synthesis of Fluorogenic Small Molecule Sensors and Enzyme Substrates</i> \$ 40,000.00 1/1/2015 ID 23232		\$15,000.00	\$0.00	\$0.00	\$15,000.00	\$0.00
Point Loma Nazarene University 3900 Lomaland Drive San Diego, CA 92106 <i>Design and Synthesis of Anthrax Lethal Factor Inhibitors Containing a Novel and Specific Zinc Binding Group Based on a 2-2-arylsulfonamidophenylbenzimidazole Backbone</i> \$ 40,000.00 1/1/2015 ID 23238		\$20,000.00	\$0.00	\$0.00	\$20,000.00	\$0.00
Amherst College PO Box 5000 Amherst, MA 01002-5000 <i>Optical Trapping Assay to Study Histone Replacement During Spermiogenesis</i> \$ 40,000.00 1/1/2015 ID 23239		\$15,688.00	\$0.00	\$0.00	\$15,688.00	\$0.00

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Williams College 880 Main Street Williamstown, MA 01267 <i>Thermal Conductivity on the Nanoscale Measuring Quantum Heat Transport with Chains of Trapped Ions</i> \$ 40,000.00 1/1/2015 ID 23245		\$12,825.00	\$0.00	\$0.00	\$12,825.00	\$0.00
Rochester Institute of Technology One Lomb Memorial Drive Rochester, NY 14623 <i>In-situ Study of Metal and Metal-oxide Gas Phase Catalysts Using Surface X-ray Scattering</i> \$ 40,000.00 1/1/2015 ID 23246		\$19,563.00	\$0.00	\$0.00	\$19,563.00	\$0.00
University of West Florida 11000 University Parkway Pensacola, FL 32514 <i>Development of Environmentally Benign Electrophilic Chlorocyclization Reactions Using Table Salt and CuSO4 for the Synthesis of Diverse Heterocycles</i> \$ 40,000.00 1/1/2015 ID 23248		\$19,250.00	\$0.00	\$0.00	\$19,250.00	\$0.00
Haverford College 370 Lancaster Avenue Haverford, PA 19041 <i>Characterizing the Molecular Interactions Between Carrier Proteins and Oxygenases in Natural Product Biosynthesis</i> \$ 40,000.00 1/1/2015 ID 23251		\$19,995.00	\$0.00	\$0.00	\$19,995.00	\$0.00

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Grinnell College 1115 8th Avenue Grinnell, IA 50112 <i>Exoplanet Science with Grinnell's Grant O Gale Observatory</i> \$ 40,000 00 1/1/2015 ID 23265		\$23,156.00	\$0.00	\$0.00	\$23,156.00	\$0.00
Western Washington University 516 High Street Bellingham, WA 98225 <i>Efficient Computational Screening and Chemical Understanding of Oxide Nanostructures for Energy Applications</i> \$ 40,000 00 1/1/2015 ID 23270		\$16,148 00	\$0 00	\$0.00	\$16,148 00	\$0.00
Rutgers University, Camden 303 Cooper Street Camden, NJ 08102 <i>Effects of Cholesterol and Lipid Sorting on Aggregation of Nicotinic Acetylcholine Receptors</i> \$ 40,000 00 1/1/2015 ID 23271		\$12,104.00	\$0 00	\$0.00	\$12,104.00	\$0.00
Grand Valley State University One Campus Drive Allendale, MI 49401 <i>Towards a Chemical Rationale for Redox-Induced Electron Transfer</i> \$ 40,000 00 1/1/2015 ID 23273		\$18,020.00	\$0.00	\$0.00	\$18,020 00	\$0.00

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College of the Holy Cross						
One College Street		\$18,943.00	\$0.00	\$0.00	\$18,943.00	\$0.00
Worcester, MA 01610						
<i>Synthesis of Beta-lactams by a</i>						
<i>Cu-catalyzed Cyclization Reaction of</i>						
<i>Siloxyalkynes and Ketenes</i>						
\$ 40,000.00						
1/1/2015 ID 23287						
University of Tennessee, Chattanooga						
615 McCallie Avenue		\$16,900.00	\$0.00	\$0.00	\$16,900.00	\$0.00
Chattanooga, TN 37403						
<i>Acrylic Acid From CO2 and Ethylene</i>						
<i>Catalyzed By Cyclopentadienyl-Co(III)</i>						
<i>With Bidentate N-Heterocyclic Carbene</i>						
<i>Ligands That Contain a Bridging Amine</i>						
\$ 40,000.00						
1/1/2015 ID 23288						
Villanova University						
800 Lancaster Avenue		\$20,000.00	\$0.00	\$0.00	\$20,000.00	\$0.00
Villanova, PA 19085						
<i>Neutron Scattering and Muon Spin</i>						
<i>Relaxation Studies of Geometrically</i>						
<i>Frustrated Double Perovskites</i>						
\$ 40,000.00						
1/1/2015 ID 23314						
Wellesley College						
106 Central Street		\$17,500.00	\$0.00	\$0.00	\$17,500.00	\$0.00
Wellesley, MA 02481						
<i>Improving Directional Dark Matter</i>						
<i>Detectors Through Advanced Tracking and</i>						
<i>Genetically Multiplexed High Spatial</i>						
<i>Resolution Readouts</i>						
\$ 40,000.00						
1/1/2015 ID 23325						

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Denison University 100 W. College Street Granville, OH 43023-1359 <i>Structure-function Studies of RNA Thermosensors Using Selective 2'-Hydroxyl Acylation Analyzed by Primer Extension (SHAPE)</i> \$ 40,000.00 1/1/2015 ID 23326		\$17,018 00	\$0.00	\$0.00	\$17,018 00	\$0.00
Albright College 1621 N. 13th Street Reading, PA 19604 <i>Aluminum-nitroxide Complexes New Redox-Active Aluminum Complexes for Applications in C-H Activation</i> \$ 20,000.00 1/1/2015 ID 23329		\$20,000 00	(\$20,000 00)	\$0.00	\$0.00	\$0.00
Rutgers University, Camden 303 Cooper Street Camden, NJ 08102 <i>An Enzyme-Powered Nanomotor Propelled by Chemical Fuels</i> \$ 40,000.00 1/1/2015 ID 23331		\$20,000.00	\$0 00	\$0.00	\$20,000 00	\$0.00
Villanova University 800 Lancaster Avenue Villanova, PA 19085 <i>Do Proteasomal Motor Proteins Have Separable Functions? The Effect of Aromatic Paddle Mutations on Proteasomal Processivity</i> \$ 40,000.00 1/1/2015 ID: 23334		\$20,449 00	\$0.00	\$0.00	\$20,449.00	\$0.00

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University of California, Irvine 510 Aldrich Hall Irvine, CA 92697 <i>Activation of the Innate Immune System with Light A Chemical Biology Approach to Improving Vaccination</i> \$ 75,000.00 2/15/2015 ID 23360		\$2,500.00	\$0.00	\$0.00	\$2,500.00	\$0.00
Syracuse University 900 S. Crouse Avenue Syracuse, NY 13244 <i>Using Single-Cell Mechanical Properties to Predict Pattern Formation and Mechanical Response in Biological Tissues</i> \$ 75,000.00 2/15/2015 ID 23365		\$2,500.00	\$0.00	\$0.00	\$2,500.00	\$0.00
Columbia University 535 W. 116th Street New York, NY 10027 <i>Development of Polymers for Next-Generation Singlet Fission Solar Cells</i> \$ 75,000.00 2/15/2015 ID 23368		\$2,500.00	\$0.00	\$0.00	\$2,500.00	\$0.00
University of Washington 1410 NE Campus Pkwy Seattle, WA 98195 <i>Zinc Oxide Impurity-Bound Electrons for Optics-Based Quantum Information</i> \$ 75,000.00 2/15/2015 ID 23376		\$2,500.00	\$0.00	\$0.00	\$2,500.00	\$0.00

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Harvard University 1350 Massachusetts Avenue Cambridge, MA 02138 <i>Chemically-Guided Enzyme Discovery An Approach to Identifying New Biological Reactions and a Tool for Inspiring Future Scientists</i>		\$2,500.00	\$0.00	\$0.00	\$2,500.00	\$0.00
\$ 75,000.00 2/15/2015 ID. 23382						
Stanford University 450 Serra Mall Stanford, CA 94305 <i>Unraveling Quantum Fluctuations in Charge and Energy Transport</i>		\$2,500.00	\$0.00	\$0.00	\$2,500.00	\$0.00
\$ 75,000.00 2/15/2015 ID. 23383						
Boston College 140 Commonwealth Avenue Chestnut Hill, MA 02467 <i>Redox Switchable Iron Catalysts for the Synthesis of Biodegradable Polymers</i>		\$2,500.00	\$0.00	\$0.00	\$2,500.00	\$0.00
\$ 75,000.00 2/15/2015 ID. 23386						
University of Utah 201 Presidents Circle Salt Lake City, UT 84112 <i>Structural Characterization of Substrate Promiscuity in Bacterial Sortases</i>		\$2,500.00	\$0.00	\$0.00	\$2,500.00	\$0.00
\$ 75,000.00 2/15/2015 ID. 23387						

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University of Delaware 104 Hullihen Hall Newark, DE 19716 <i>Remodeling Bacterial Cell Walls and Biochemistry Laboratory Curriculum</i> \$ 75,000.00 2/15/2015 ID 23388		\$2,500.00	\$0.00	\$0.00	\$2,500.00	\$0.00
University of Missouri 104 Jesse Hall Columbia, MO 65211 <i>Tailoring Bacterial Cellulose Ionogels for Diverse Chemical Tasks</i> \$ 75,000.00 2/15/2015 ID 23393		\$2,500.00	\$0.00	\$0.00	\$2,500.00	\$0.00
University of North Carolina at Chapel Hill 103 South Building Chapel Hill, NC 27599 <i>Designing Photocathode Materials for Solar Fuel Photoelectrosynthesis From the Lab to the Classroom</i> \$ 75,000.00 2/15/2015 ID 23394		\$2,500.00	\$0.00	\$0.00	\$2,500.00	\$0.00
University of Pittsburgh 4200 Fifth Avenue Pittsburgh, PA 15260 <i>Using Metal-Ligand Chemistry to Understand, Form, and Tailor Nanoscale Alloys</i> \$ 75,000.00 2/15/2015 ID 23396		\$2,500.00	\$0.00	\$0.00	\$2,500.00	\$0.00

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Tufts University 419 Boston Avenue Medford, MA 02155 <i>Predicting the Stability of Picking Emulsion through Computer Simulations</i> \$ 75,000.00 2/15/2015 ID. 23414		\$2,500.00	\$0.00	\$0.00	\$2,500.00	\$0.00
Colorado School of Mines 1500 Illinois Street Golden, CO 80401 <i>Embracing Asymmetry - Designing Materials for Thermoelectric Power Conversion</i> \$ 75,000.00 2/15/2015 ID 23440		\$2,500.00	\$0.00	\$0.00	\$2,500.00	\$0.00
University of Washington 1410 NE Campus Pkwy Seattle, WA 98195 <i>Quantifying the Conformational Landscape of Maltose Binding Protein</i> \$ 75,000.00 2/15/2015 ID 23447		\$2,500.00	\$0.00	\$0.00	\$2,500.00	\$0.00
Cornell University 410 Thurston Avenue Ithaca, NY 14853 <i>Quantum Dynamic Investigations of Photo-induced Electron Transfer Catalyzed by Transition Metal Complexes</i> \$ 100,000.00 2/15/2016 ID 23568		\$0.00	\$100,000.00	\$0.00	\$100,000.00	\$0.00

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Western Washington University 516 High Street Bellingham, WA 98225 <i>Structural Characterization of Substrate Promiscuity in Bacterial Sortases</i> \$ 100,000.00 2/15/2016 ID 23570		\$0.00	\$100,000.00	\$0.00	\$100,000.00	\$0.00
Georgia Institute of Technology 225 North Avenue Atlanta, GA 30332 <i>Shedding Light on Supermassive Black Holes</i> \$ 100,000.00 2/15/2016 ID 23577	501c(3)	\$0.00	\$87,345.00	\$0.00	\$87,345.00	\$0.00
Indiana University Bloomington 107 S. Indiana Avenue Bloomington, IN 47405 <i>Exploiting Nanomaterials to Unravel Trafficking Inside Cells</i> \$ 100,000.00 2/15/2016 ID 23585		\$0.00	\$100,000.00	\$0.00	\$100,000.00	\$0.00
Carnegie Mellon University 5000 Forbes Avenue Pittsburgh, PA 15213 <i>Topological Excitons in Gapped Dirac Materials</i> \$ 100,000.00 2/15/2016 ID 23590		\$0.00	\$100,000.00	\$0.00	\$100,000.00	\$0.00

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University of Wisconsin - Oshkosh 800 Algoma Boulevard Oshkosh, WI 54901 <i>Manganese Homeostasis in Bacteria</i> <i>Characterization of a Mn-Regulated Small</i> <i>Protein and Identification of Novel Mn</i> <i>Exporters</i> \$ 100,000.00 2/15/2016 ID 23595		\$0.00	\$100,000.00	\$0.00	\$100,000.00	\$0.00
University of Southern California University Park Campus Los Angeles, CA 90089 <i>A New Handle in Solar-to-Fuel Light</i> <i>Harvesting Creating Protons Where They</i> <i>are Most Needed</i> \$ 100,000.00 2/15/2016 ID 23617		\$0.00	\$100,000.00	\$0.00	\$100,000.00	\$0.00
Iowa State University 1750 Beardshear Hall Ames, IA 50011 <i>Catalyst Design and Development to</i> <i>Unlock the Synthetic Potential of Olefin</i> <i>Hydroacylation Reactions</i> \$ 100,000.00 2/15/2016 ID 23620		\$0.00	\$100,000.00	\$0.00	\$100,000.00	\$0.00
University of California, San Diego 9500 Gilman Drive La Jolla, CA 92093 <i>Unraveling the Role of Mechanics for</i> <i>Tissue Self-organization In Vivo</i> \$ 100,000.00 2/15/2016 ID 23628		\$0.00	\$100,000.00	\$0.00	\$100,000.00	\$0.00

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University of Iowa 101 Jessup Hall Iowa City, IA 52242 <i>Characterization and Control of Molecular Architectures within Thin Fluid Films</i> \$ 100,000.00 2/15/2016 ID 23632		\$0.00	\$100,000.00	\$0.00	\$100,000.00	\$0.00
University of Texas at Austin 120 Inner Campus Drive, G2500 Austin, TX 78712 <i>Imparting Precious Metal Properties to First-Row Metals with Heavy Atom Ligands, and Connecting & Encouraging Undergraduates for Outreach Activities via 'Undergraduate Outreach Corps'</i> \$ 100,000.00 2/15/2016 ID 23640		\$0.00	\$100,000.00	\$0.00	\$100,000.00	\$0.00
San Jose State University One Washington Square San Jose, CA 95192 <i>The Nature and Nurture of Galaxies Dynamics, Dark Matter, and Data Mining</i> \$ 100,000.00 2/15/2016 ID 23642		\$0.00	\$100,000.00	\$0.00	\$100,000.00	\$0.00
University of Minnesota 100 Church Street, SE Minneapolis, MN 55455 <i>A Tale of Two States Interplay Between Magnetism and Superconductivity in Quantum Materials</i> \$ 100,000.00 2/15/2016 ID 23648		\$0.00	\$100,000.00	\$0.00	\$100,000.00	\$0.00

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University of Pittsburgh 4200 Fifth Avenue Pittsburgh, PA 15260 <i>Experimental Investigation of One-Dimensional Topological Phases</i> \$ 100,000.00 2/15/2016 ID 23652		\$0.00	\$100,000.00	\$0.00	\$100,000.00	\$0.00
Harvey Mudd College 301 Platt Boulevard Claremont, CA 91711 <i>Interactions Between Impurities and Dislocations in Small Colloidal Crystals</i> \$ 100,000.00 2/15/2016 ID 23657		\$0.00	\$100,000.00	\$0.00	\$100,000.00	\$0.00
Saint Mary's College 133 LeMans Hall Notre Dame, IN 46556 <i>Transporting Cu(I) as Cargo and Using Cu(II) as a Killer Cofactor Histidine-rich Motifs in Cirl and Histatin 5 Control Cu Oxidation State and Reactivity</i> \$ 100,000.00 2/15/2016 ID 23666		\$0.00	\$100,000.00	\$0.00	\$100,000.00	\$0.00
Duke University 2138 Campus Drive Durham, NC 27708 <i>Exploring the Interplay Between Nanoscale Design and Optical Properties of Materials A Research and Educational Approach</i> \$ 100,000.00 2/15/2016 ID 23694		\$0.00	\$100,000.00	\$0.00	\$100,000.00	\$0.00

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Grinnell College 1115 8th Avenue Grinnell, IA 50112 <i>Atmospheric Structure and Emission Spectrum Calculations for Extrasolar Super-Earths Looking Toward JWST and Beyond</i> \$ 100,000.00 2/15/2016 ID 23697		\$0.00	\$100,000.00	\$0.00	\$100,000.00	\$0.00
University of Southern California University Park Campus Los Angeles, CA 90089 <i>Design of Safe and Sustainable Materials to Enable Large Scale Energy Storage</i> \$ 100,000.00 2/15/2016 ID 23698		\$0.00	\$100,000.00	\$0.00	\$100,000.00	\$0.00
University of California, San Diego 9500 Gilman Drive La Jolla, CA 92093 <i>Using Cosmological Hydrodynamic Simulations to Constrain Evolution of Galaxies and Their Gaseous Halos</i> \$ 100,000.00 2/15/2016 ID 23699		\$0.00	\$100,000.00	\$0.00	\$100,000.00	\$0.00
Monmouth University 400 Cedar Avenue West Long Branch, NJ 07764 <i>Exciton Energy Transfer in Light Harvesting Proteins with Covalently Bound Pigments The Role of Molecular Vibrations</i> \$ 100,000.00 2/15/2016 ID 23706		\$0.00	\$100,000.00	\$0.00	\$100,000.00	\$0.00

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Scripps College 1030 Columbia Avenue Claremont, CA 91711 <i>Biochemical Characterization and Engineering of Luciferases Through Statistical Coupling Analysis</i> \$ 100,000.00 2/15/2016 ID 23717		\$0.00	\$100,000.00	\$0.00	\$100,000.00	\$0.00
University of California, Berkeley 200 California Hall Berkeley, CA 94720 <i>Redesigning Natural Products for the Treatment of Human Disease</i> \$ 100,000.00 2/15/2016 ID 23725		\$0.00	\$100,000.00	\$0.00	\$100,000.00	\$0.00
University of Minnesota 100 Church Street, SE Minneapolis, MN 55455 <i>Fluorinated Peptides and Proteins for 19F MRI and Integrated Research Experiences in an Organic Chemistry Lab Course</i> \$ 100,000.00 2/15/2016 ID 23733		\$0.00	\$100,000.00	\$0.00	\$100,000.00	\$0.00
American Physical Society One Physics Ellipse College Park, MD 20740-3844 <i>APS Prize for a Faculty Member for Research at an Undergraduate Institution - 2016 Sponsorship - Gregory S. Adkins, Franklin & Marshall</i> \$ 10,000.00 6/30/2015 ID 23735		\$10,000.00	\$0.00	\$0.00	\$10,000.00	\$0.00

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United States Naval Academy 121 Blake Road Annapolis, MD 21402 <i>Transport and Disorder in Simple Lattices with Overlapping Orbital Impurities</i> \$ 40,000.00 10/1/2015 ID 23750		\$7,852.00	\$0.00	\$0.00	\$7,852.00	\$0.00
Michigan State University 220 Throwbridge Road East Lansing, MI 48824 <i>Nuclear Burps and Belches Presupernova Eruptions in 3D</i> \$ 30,000.00 12/15/2015 ID 23770		\$30,000.00	\$0.00	\$0.00	\$30,000.00	\$0.00
University of Arizona 1401 E University Blvd Tucson, AZ 85721 <i>Nuclear Burps and Belches Presupernova Eruptions in 3D</i> \$ 30,000.00 12/15/2015 ID 23771		\$30,000.00	\$0.00	\$0.00	\$30,000.00	\$0.00
Purdue University 610 Purdue Mall West Lafayette, IN 47907 <i>Catching the Emergence of a SN Years After the GRB</i> \$ 50,000.00 12/15/2015 ID 23779		\$50,000.00	\$0.00	\$0.00	\$50,000.00	\$0.00
Michigan State University 220 Throwbridge Road East Lansing, MI 48824 <i>Catching the Emergence of a SN Years After the GRB</i> \$ 50,000.00 12/15/2015 ID 23780		\$50,000.00	\$0.00	\$0.00	\$50,000.00	\$0.00

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California Institute of Technology 1200 E. California Blvd Pasadena, CA 91125 <i>Monitoring Extrasolar Space Weather with the LWA and Evryscope</i> \$ 50,000.00 12/15/2015 ID 23781		\$50,000.00	\$0.00	\$0.00	\$50,000.00	\$0.00
University of North Carolina at Chapel Hill 103 South Building Chapel Hill, NC 27599 <i>Monitoring Extrasolar Space Weather with the LWA and Evryscope</i> \$ 50,000.00 12/15/2015 ID 23782		\$50,000.00	\$0.00	\$0.00	\$50,000.00	\$0.00
Hobart and William Smith Colleges 300 Pulteney Street Geneva, NY 14456-3397 <i>Transformational Technologies and Techniques for High Precision Photometric and Spectroscopic Stellar TDA</i> \$ 25,000.00 12/15/2015 ID 23783		\$25,000.00	\$0.00	\$0.00	\$25,000.00	\$0.00
University of Oklahoma 660 Parrington Oval Norman, OK 73019 <i>Transformational Technologies and Techniques for High Precision Photometric and Spectroscopic Stellar TDA</i> \$ 25,000.00 12/15/2015 ID 23784		\$25,000.00	\$0.00	\$0.00	\$25,000.00	\$0.00

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Recipient and/or Purpose	Tax Status	Beginning Balance 2016	Newly Allocated 2016	Amended 2016	Amount Paid 2016	Ending Balance 2016
Pennsylvania State University 201 Old Main University Park, PA 16802 <i>Transformational Technologies and Techniques for High Precision Photometric and Spectroscopic Stellar TDA</i> \$ 50,000 00 12/15/2015 ID. 23785		\$50,000.00	\$0.00	\$0.00	\$50,000.00	\$0.00
New York University 70 Washington Square, So New York, NY 10012 <i>Bringing Novae Into the Twenty-First Century</i> \$ 27,334 00 12/15/2015 ID. 23809		\$33,334.00	\$(24,834.00)	(\$6,000.00)	\$2,500.00	\$0.00
Columbia University 535 W. 116th Street New York, NY 10027 <i>Bringing Novae Into the Twenty-First Century</i> \$ 33,333 00 12/15/2015 ID. 23810		\$33,333.00	\$0.00	\$0.00	\$33,333.00	\$0.00
University of California, Berkeley 200 California Hall Berkeley, CA 94720 <i>Bringing Novae Into the Twenty-First Century</i> \$ 39,333 00 12/15/2015 ID. 23811		\$33,333.00	\$0.00	\$6,000.00	\$39,333.00	\$0.00

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Recipient and/or Purpose	Tax Status	Beginning Balance 2016	Newly Allocated 2016	Amended 2016	Amount Paid 2016	Ending Balance 2016
Columbia University 535 W. 116th Street New York, NY 10027 <i>Professional-Amateur Collaboration Enhancing the Scientific and Societal Value of Evryscope</i> \$ 50,000.00 12/15/2015 ID 23821		\$50,000.00	\$0.00	\$0.00	\$50,000.00	\$0.00
University of North Carolina at Chapel Hill 103 South Building Chapel Hill, NC 27599 <i>Professional-Amateur Collaboration Enhancing the Scientific and Societal Value of Evryscope</i> \$ 50,000.00 12/15/2015 ID 23822		\$50,000.00	\$0.00	\$0.00	\$50,000.00	\$0.00
University of Vermont 85 S. Prospect Street Burlington, VT 05405 <i>Cottrell Scholar Collaborative New Faculty Workshop</i> \$ 10,000.00 11/30/2015 ID 23823		\$10,000.00	\$0.00	\$0.00	\$10,000.00	\$0.00
Trinity University One Trinity Place San Antonio, TX 78212 <i>Multi-wavelength Research of Core-collapse Supernovae</i> \$ 20,000.00 12/10/2015 ID 23824		\$20,000.00	\$0.00	\$0.00	\$20,000.00	\$0.00

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Recipient and/or Purpose	Tax Status	Beginning Balance 2016	Newly Allocated 2016	Amended 2016	Amount Paid 2016	Ending Balance 2016
Trinity University One Trinity Place San Antonio, TX 78212 <i>LEAD Preparing the Path to Professor at a Primarily Undergraduate Institution</i> \$ 25,000.00 12/15/2015 ID 23825		\$25,000 00	\$0 00	\$0.00	\$25,000 00	\$0.00
Marana High School 12000 W Emigh Road Tucson, AZ 85741 <i>Osteology and Forensic Anthropology Through 3-D Printing</i> \$ 7,000 00 12/21/2015 ID 23829		\$7,000 00	\$0.00	\$0.00	\$7,000.00	\$0 00
Sunnyside High School 1725 E. Bilby Road Tucson, AZ 85706 <i>Magnetic Nanopillars and Magnetic Levitaton with Superconductors</i> \$ 3,000.00 12/21/2015 ID 23830		\$3,000.00	\$0.00	\$0 00	\$3,000 00	\$0.00
Cienega High School 12775 E Mary Ann Cleveland Way Vail, AZ 85641 <i>The Great Arizona Mosquito Hunt Aedes aegypti Citizen Science</i> \$ 3,000.00 12/21/2015 ID. 23831		\$3,000 00	\$0.00	\$0 00	\$3,000 00	\$0.00
Johns Hopkins University 3400 N. Charles Street Baltimore, MD 21218 <i>TREE Award Nomination</i> \$ 25,000.00 2/15/2016 ID 23853		\$0.00	\$25,000.00	\$0 00	\$25,000 00	\$0.00

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Recipient and/or Purpose	Tax Status	Beginning Balance 2016	Newly Allocated 2016	Amended 2016	Amount Paid 2016	Ending Balance 2016
University of Massachusetts Amherst						
300 Massachusetts Avenue		\$0 00	\$25,000 00	\$0.00	\$25,000 00	\$0 00
Amherst, MA 01003						
<i>TREE Award Nomination</i>						
\$ 25,000 00						
2/15/2016 ID 23857						
New Venture Fund (NVF)						
1201 Connecticut Avenue, NW		\$0.00	\$50,000.00	\$0.00	\$50,000.00	\$0.00
Washington, DC 20036						
<i>Science Philanthropy Alliance 2016 Dues</i>						
\$ 50,000 00						
1/1/2016 ID 23861						
Southern Arizona Regional Science & Engineering Fair (SARSEF)						
3247 N Christmas Avenue	501c(3)	\$0 00	\$2,500 00	\$0 00	\$2,500.00	\$0 00
Tucson, AZ 85716						
<i>SARSEF Sponsorship at the Rachel Carson Level</i>						
\$ 2,500.00						
2/11/2016 ID 23862						
University of Illinois at Urbana-Champaign						
901 W Illinois Street		\$0 00	\$50,000.00	\$0.00	\$50,000 00	\$0 00
Urbana, IL 61801						
<i>Revealing Whole-Cell Diffusion and Reaction Using Fluorescence Correlation Anti Correlation Microscopy</i>						
\$ 50,000.00						
7/15/2016 ID 23866						

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Recipient and/or Purpose	Tax Status	Beginning Balance 2016	Newly Allocated 2016	Amended 2016	Amount Paid 2016	Ending Balance 2016
Tufts University 419 Boston Avenue Medford, MA 02155 <i>Harnessing Low Energy Electrons for Localized DNA Damage Based Cancer Therapy</i> \$ 50,000.00 7/15/2016 ID 23868		\$0.00	\$50,000.00	\$0.00	\$50,000.00	\$0.00
Stanford University 450 Serra Mall Stanford, CA 94305 <i>Developing Tunable, Hybrid MoS2-Based Catalysts</i> \$ 50,000.00 7/15/2016 ID 23870		\$0.00	\$50,000.00	\$0.00	\$50,000.00	\$0.00
CUNY - City College of New York 160 Convent Avenue New York, NY 10031 <i>Variable-Charge Paramagnetic Centers as a Platform for Ultra-Dense Data Storage</i> \$ 250,000.00 7/15/2016 ID 23874		\$0.00	\$250,000.00	\$0.00	\$250,000.00	\$0.00
Trinity University One Trinity Place San Antonio, TX 78212 <i>Metalloenzyme-Inspired Heterogeneous C-H Activation Catalysts</i> \$ 50,000.00 7/15/2016 ID 23894		\$0.00	\$50,000.00	\$0.00	\$50,000.00	\$0.00

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Recipient and/or Purpose	Tax Status	Beginning Balance 2016	Newly Allocated 2016	Amended 2016	Amount Paid 2016	Ending Balance 2016
Northwestern University 633 Clark Street Evanston, IL 60208 <i>How Viral Shape Can Inspire the Design of Optical Nanoprobes for Investigating Nanoparticle-Cell Interactions</i> \$ 50,000.00 7/15/2016 ID 23897		\$0 00	\$50,000 00	\$0.00	\$50,000 00	\$0.00
University of Arizona Foundation 1111 N. Cherry Avenue Tucson, AZ 85721 <i>Arizona Assurance Endowment</i> \$ 20,000.00 3/3/2016 ID: 23903		\$0 00	\$20,000 00	\$0 00	\$20,000.00	\$0.00
Hendrix College 1600 Washington Avenue Conway, AR 72032-3080 <i>ACS Award for Research at an Undergraduate Institution</i> \$ 5,000.00 3/22/2016 ID. 23904		\$0 00	\$5,000.00	\$0.00	\$5,000.00	\$0.00
LSST Corporation 933 N. Cherry Avenue Tucson, AZ 85721 <i>Large Synoptic Survey Telescope (LSST) 2016 Member Contribution</i> \$ 25,000.00 3/22/2016 ID. 23905		\$0 00	\$25,000 00	\$0 00	\$25,000 00	\$0 00
ACS Division of Inorganic Chemistry 1155 - 16th Street NW Washington, DC 20036 <i>DIC ACS Young Investigator Award - 2016 Sponsorship</i> \$ 1,000.00 3/23/2016 ID. 23906		\$0 00	\$1,000 00	\$0.00	\$1,000.00	\$0 00

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Recipient and/or Purpose	Tax Status	Beginning Balance 2016	Newly Allocated 2016	Amended 2016	Amount Paid 2016	Ending Balance 2016
Johns Hopkins University 3400 N. Charles Street Baltimore, MD 21218 <i>Academic Leadership Training</i> \$ 25,000.00 5/1/2016 ID 23955		\$0.00	\$25,000.00	\$0.00	\$25,000.00	\$0.00
National Solar Observatory Tucson, AZ <i>To provide funding for 2 Nebraska Eclipse Instruments</i> \$ 4,420.00 5/18/2016 ID 24174		\$0.00	\$4,420.00	\$0.00	\$4,420.00	\$0.00
Mathematical Sciences Research Institute 17 Gauss Way Berkeley, CA 94720 <i>2017 National Math Festival Two year award for 2016 and 2017 at \$12,500.00 per year</i> \$ 12,500.00 5/18/2016 ID 24176		\$0.00	\$12,500.00	\$0.00	\$12,500.00	\$0.00
University of Arizona Foundation 1510 East University Blvd. (A349G) P.O. Box 210055 Tucson, AZ 85721-0055 <i>2nd year commitment of \$45,000 to the University of Arizona Science / Engineering Library for the Collaborative Faculty Room Total award was \$90K \$45K awarded in 2015 and \$45K awarded in 2016 Room to be named the RCSA Collaborative Faculty Room</i> \$ 45,000.00 5/24/2016 ID 24178		\$0.00	\$45,000.00	\$0.00	\$45,000.00	\$0.00

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Recipient and/or Purpose	Tax Status	Beginning Balance 2016	Newly Allocated 2016	Amended 2016	Amount Paid 2016	Ending Balance 2016
University of 1040 E. 4th Street Gould Simpson 935 Tucson, AZ 85721 <i>University of Arizona - 2016 - 2017</i> <i>Arizona Daily Star College of Science</i> <i>Annual Supplement</i> \$ 20,000.00 6/9/2016 ID 24180		\$0.00	\$20,000.00	\$0.00	\$20,000.00	\$0.00
West One Waterfront Place, 7th Floor Morgantown, WV 26507 <i>Fast Radio Bursts New Probes of</i> <i>Fundamental Physics and Cosmology</i> \$ 9,000.00 6/23/2016 ID 24181		\$0.00	\$9,000.00	\$0.00	\$9,000.00	\$0.00
University of Texas at Austin 120 Inner Campus Drive, G2500 Austin, TX 78712 <i>Four summer stipends for freshman</i> <i>students from their Freshman Research</i> <i>Initiative (FRI)</i> \$ 5,000.00 6/28/2016 ID 24183		\$0.00	\$5,000.00	\$0.00	\$5,000.00	\$0.00
Arizona Public Media 1423 University Blvd. P.O. Box 210067 Tucson, AZ 85721-0067 <i>2016 Sponsorship of Arizona Public Media</i> <i>for science programming and reporting to</i> <i>their Southeastern Arizona audiences</i> \$ 25,000.00 7/27/2016 ID 24184		\$0.00	\$25,000.00	\$0.00	\$25,000.00	\$0.00

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Recipient and/or Purpose	Tax Status	Beginning Balance 2016	Newly Allocated 2016	Amended 2016	Amount Paid 2016	Ending Balance 2016
Arizona Public Media 1423 University Blvd P.O. Box 210067 Tucson, AZ 85721-0067 <i>2016 Sponsorship of the Arizona Public Media's documentary project of OSRIS REx Launch</i> \$ 7,500.00 7/28/2016 ID 24185		\$0.00	\$7,500.00	\$0.00	\$7,500.00	\$0.00
UC Regents P.O. Box 160 Lake Arrowhead, CA 92352 <i>2017 UCSD Conference Sponsorship</i> \$ 5,000.00 8/8/2016 ID 24186		\$0.00	\$5,000.00	\$0.00	\$5,000.00	\$0.00
University of Vermont 85 S. Prospect Street Burlington, VT 05405 <i>Promoting Adoption of Research and Inquiry-Based Lab Curricula</i> \$ 25,000.00 8/1/2016 ID 24187		\$0.00	\$25,000.00	\$0.00	\$25,000.00	\$0.00
North Carolina State University 20 Watauga Club Drive Raleigh, NC 27695 <i>Bridges to Germany Junior Faculty Professional Development Workshop</i> \$ 25,000.00 8/1/2016 ID 24188		\$0.00	\$25,000.00	\$0.00	\$25,000.00	\$0.00

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University of Notre Dame						
400 Main Building		\$0.00	\$25,000.00	\$0.00	\$25,000.00	\$0.00
Notre Dame, IN 46556						
<i>Teacher Scholar Ambassadors for PUI-RI</i>						
<i>Partnerships</i>						
\$ 25,000.00						
8/1/2016 ID 24189						
University of San Diego						
5998 Alcalá Park		\$0.00	\$50,000.00	\$0.00	\$50,000.00	\$0.00
San Diego, CA 92110-2492						
<i>Building an Artificial Motile Tissue through</i>						
<i>Self-Organized Rhythmic Contractility</i>						
\$ 50,000.00						
8/29/2016 ID 24192						
University of Massachusetts Amherst						
300 Massachusetts Avenue		\$0.00	\$50,000.00	\$0.00	\$50,000.00	\$0.00
Amherst, MA 01003						
<i>Building an Artificial Motile Tissue through</i>						
<i>Self-Organized Rhythmic Contractility</i>						
\$ 50,000.00						
8/29/2016 ID 24193						
University of Chicago						
5801 S. Ellis Avenue		\$0.00	\$50,000.00	\$0.00	\$50,000.00	\$0.00
Chicago, IL 60637						
<i>Building an Artificial Motile Tissue through</i>						
<i>Self-Organized Rhythmic Contractility</i>						
\$ 50,000.00						
8/29/2016 ID 24194						

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Swarthmore College						
500 College Avenue		\$0.00	\$20,000.00	\$0.00	\$20,000.00	\$0.00
Swarthmore, PA 19081						
<i>Aluminum-nitroxide Complexes New</i>						
<i>Redox-Active Aluminum Complexes for</i>						
<i>Applications in C-H Activation</i>						
\$ 20,000.00						
8/17/2016 ID 24205						
Science Friday						
411 East 83rd Street, Suite 3F		\$0.00	\$2,000.00	\$0.00	\$2,000.00	\$0.00
New York, NY 10028						
<i>Science Friday's 25th Anniversary Gala -</i>						
<i>purchase of a Full-Screen Journal Ad</i>						
\$ 2,000.00						
9/1/2016 ID 24206						
Massachusetts Institute of Technology						
77 Massachusetts Avenue		\$0.00	\$21,172.00	\$0.00	\$21,172.00	\$0.00
Cambridge, MA 02139						
<i>Developing Novel Detectors to Search for</i>						
<i>the Particle Origins of Dark Matter with</i>						
<i>the GAPS Experiment</i>						
\$ 21,172.00						
9/8/2016 ID 24207						
Science Friday Initiative						
19 West 44th Street, Suite 412		\$0.00	\$25,000.00	\$0.00	\$25,000.00	\$0.00
New York, NY 10036						
<i>Science Friday Initiative 2016-2017</i>						
<i>General Operating Sponsorship</i>						
\$ 25,000.00						
9/9/2016 ID 24208						

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Recipient and/or Purpose	Tax Status	Beginning Balance 2016	Newly Allocated 2016	Amended 2016	Amount Paid 2016	Ending Balance 2016
Vail Education Foundation 13299 Colossas Cave Road Vail, AZ 85641-9999 <i>Vail Education Foundation 2016 Building STEAM Proposal</i> \$ 5,000.00 9/9/2016 ID 24209		\$0 00	\$5,000 00	\$0 00	\$5,000 00	\$0 00
Johns Hopkins University 3400 N. Charles Street Baltimore, MD 21218 <i>Academic Leadership Training</i> \$ 12,655 00 9/14/2016 ID 24210		\$0 00	\$12,655.00	\$0 00	\$12,655 00	\$0.00
American Chemical Society 1155 Sixteenth Street NW Washington, DC 20036 <i>ACS Award for Research at an Undergraduate Institution-Sponsorship</i> \$ 5,000.00 9/14/2016 ID 24211	501c(3)	\$0.00	\$5,000.00	\$0.00	\$5,000.00	\$0.00
Northwestern University 633 Clark Street Evanston, IL 60208 <i>Developing Novel Detectors to Search for the Particle Origins of Dark Matter with the GAPS Experiment</i> \$ 24,834.00 9/16/2016 ID 24212		\$0 00	\$24,834 00	\$0.00	\$24,834 00	\$0.00

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Recipient and/or Purpose	Tax Status	Beginning Balance 2016	Newly Allocated 2016	Amended 2016	Amount Paid 2016	Ending Balance 2016
Juniata College 1700 Moore Street Huntingdon, PA 16652 <i>Investigation of Magnetoviscous and Viscoelastic Properties of Micro to Nanoliter Ferrofluids</i> \$ 18,000.00 9/19/2016 ID 24213		\$0.00	\$18,000.00	\$0.00	\$18,000.00	\$0.00
American Physical Society One Physics Ellipse College Park, MD 20740-3844 <i>APS Prize for a Faculty Member for Research at an Undergraduate Institution - 2017 Sponsorship - Protik K Majumder, Williams College</i> \$ 10,000.00 12/13/2016 ID 24214		\$0.00	\$10,000.00	\$0.00	\$0.00	\$10,000.00
University of Pittsburgh 4200 Fifth Avenue Pittsburgh, PA 15260 <i>Stellar Multiplicity Meets Stellar Evolution The APOGEE View</i> \$ 33,334.00 12/15/2016 ID 24215		\$0.00	\$33,334.00	\$0.00	\$0.00	\$33,334.00
Ohio State University 281 W. Lane Avenue Columbus, OH 43210 <i>Stellar Multiplicity Meets Stellar Evolution The APOGEE View</i> \$ 33,333.00 12/15/2016 ID 24216		\$0.00	\$33,333.00	\$0.00	\$0.00	\$33,333.00

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Western Washington University 516 High Street Bellingham, WA 98225 <i>Stellar Multiplicity Meets Stellar Evolution</i> <i>The APOGEE View</i> \$ 33,333.00 12/15/2016 ID 24217		\$0.00	\$33,333.00	\$0.00	\$0.00	\$33,333.00
University of Washington 1410 NE Campus Pkwy Seattle, WA 98195 <i>Recovery of Super-Flaring G Dwarfs for</i> <i>TESS Using PTF and ZTF</i> \$ 50,000.00 12/15/2016 ID 24221		\$0.00	\$50,000.00	\$0.00	\$0.00	\$50,000.00
University of Oklahoma 660 Parrington Oval Norman, OK 73019 <i>Recovery of Super-Flaring G Dwarfs for</i> <i>TESS Using PTF and ZTF</i> \$ 50,000.00 12/15/2016 ID 24222		\$0.00	\$50,000.00	\$0.00	\$0.00	\$50,000.00
University of California, Santa Barbara 5221 Cheadle Hall Santa Barbara, CA 93106 <i>The Stellar MRI</i> \$ 50,000.00 12/15/2016 ID 24230		\$0.00	\$50,000.00	\$0.00	\$0.00	\$50,000.00
Bates College 2 Andrews Road Lewiston, ME 04240 <i>The Stellar MRI</i> \$ 50,000.00 12/15/2016 ID 24231		\$0.00	\$50,000.00	\$0.00	\$0.00	\$50,000.00

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Purdue University 610 Purdue Mall West Lafayette, IN 47907 <i>Identifying the Origin of the Extreme Scattering Events</i> \$ 50,000.00 12/15/2016 ID. 24247		\$0.00	\$50,000.00	\$0.00	\$0.00	\$50,000.00
University of Wisconsin-Milwaukee 202 Chapman Hall Milwaukee, WI 53201 <i>Identifying the Origin of the Extreme Scattering Events</i> \$ 50,000.00 12/15/2016 ID. 24248		\$0.00	\$50,000.00	\$0.00	\$0.00	\$50,000.00
University of California, Berkeley 200 California Hall Berkeley, CA 94720 <i>Supernova Light Curves Influenced by Hidden CSM Interaction</i> \$ 33,334.00 12/15/2016 ID. 24254		\$0.00	\$33,334.00	\$0.00	\$0.00	\$33,334.00
Carnegie Observatories 813 Santa Barbara Street Pasadena, CA 91101- <i>Supernova Light Curves Influenced by Hidden CSM Interaction</i> \$ 33,333.00 12/15/2016 ID. 24255		\$0.00	\$33,333.00	\$0.00	\$0.00	\$33,333.00
University of Arizona 1401 E. University Blvd Tucson, AZ 85721 <i>Supernova Light Curves Influenced by Hidden CSM Interaction</i> \$ 33,333.00 12/15/2016 ID. 24256		\$0.00	\$33,333.00	\$0.00	\$0.00	\$33,333.00

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University of Arizona for BECUR						
University of Arizona		\$0.00	\$500.00	\$0.00	\$500.00	\$0.00
Department of Chemistry and						
Biochemistry						
PO Box 210088						
Tucson, AZ 85721						
2017 University of Arizona BECUR						
Conference						
\$ 500.00						
11/29/2016 ID 24276						
Research Foundation of the City University of New York						
695 Park Avenue		\$0.00	\$5,000.00	\$0.00	\$5,000.00	\$0.00
Room 1214E, North Building						
New York, NY 10065						
Hunter College and The City University of						
New York - Time-Dependent Density						
Functional Theory School and Workshop						
for 2017						
\$ 5,000.00						
11/30/2016 ID 24277						
University of Vermont						
85 S. Prospect Street		\$0.00	\$25,000.00	\$0.00	\$0.00	\$25,000.00
Burlington, VT 05405						
Facilitating Dialog about Teaching and						
Research						
\$ 25,000.00						
12/1/2016 ID 24278						
Space Science Institute 501c(3)						
4750 Walnut Street, Suite 205		\$0.00	\$5,000.00	\$0.00	\$0.00	\$5,000.00
Boulder, CO 80301						
Support solar eclipse glasses project						
with Moore Foundation						
\$ 5,000.00						

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		2016		2016		2016		2016		2016	
Grand Total		\$	1,250,569 00	\$	4,019,420 00	\$	-	\$	4,709,989 00	\$	560,000 00
Other Charitable Contributions (see next page)								\$	41,297 69	\$	-
ADJUSTED TOTAL TO PART XV, LINES 3A AND 3B								\$	4,751,286 69	\$	560,000 00

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Other Charitable Contributions

United Way of Tucson and Southern Arizona	270.00
American Express Company	3,000.00
UA Foundation/UJAH	1,500.00
Starbuck Design, Inc.	1,275.00
YMCA of Southern Arizona	500.00
Tucson Children's Museum	5,000.00
Independent Media	680.00
Godat Design Inc.	1,810.00
Community Food Bank	264.90
Starbuck Design, Inc.	1,268.09
Educational Enrichment Foundation	1,500.00
Jewish Family & Children's Services	500.00
Angel Charity for Children, Inc	10,000.00
Independent Media	680.00
Community Food Bank	264.90
ALS Association Arizona Chapter	400.00
UA Foundation/DRC	1,500.00
Catalina's College Bound Club	50.00
Community Food Bank	264.90
Independent Media	680.00
Tucson Festival of Books	5,000.00
Community Food Bank	264.90
Community Food Bank	4,625.00
	<u>41,297.69</u>