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Return of Private Foundation

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

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Information about Form 990-PF and its separate instructions is at www.irs.gov/form990pf.

2014

Open to Public Inspection

For calendar year 2014 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 ☐ Final return ☐ Address change ☐ Initial return of a former public charity ☐ Amended return ☐ 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) \$ 157,589,550. (Part I, column (d) must be on cash basis)	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)
1 Contributions, gifts, grants, etc., received		5,048.			
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		2,828,382.	2,828,382.	2,828,382.	STATEMENT 1
5a Gross rents		-45,252.	-45,252.	-45,252.	STATEMENT 2
b Net rental income or (loss)	-45,252.				
6a Net gain or (loss) from sale of assets not on line 10		8,316,287.			
b Gross sales price for all assets on line 6a	8,316,287.				
7 Capital gain net income (from Part IV, line 2)			8,316,287.		
8 Net short-term capital gain				452,670.	
9 Income modifications					
10a Gross sales less returns and allowances					
b Less Cost of goods sold					
c Gross profit or (loss)					
11 Other income		3,456,536.	3,134,961.	3,456,536.	STATEMENT 3
12 Total. Add lines 1 through 11		14,561,001.	14,234,378.	6,692,336.	
13 Compensation of officers, directors, trustees, etc		691,250.	80,938.	0.	610,312.
14 Other employee salaries and wages		735,613.	7,920.	0.	727,693.
15 Pension plans, employee benefits		346,828.	8,928.	0.	337,900.
16a Legal fees		38,012.	0.	0.	38,012.
b Accounting fees		56,834.	28,417.	0.	28,417.
c Other professional fees		272,254.	188,018.	0.	84,236.
17 Interest					
18 Taxes		2,292.	0.	0.	0.
19 Depreciation and depletion		4,924.	0.	0.	
20 Occupancy		244,047.	9,340.	0.	234,707.
21 Travel, conferences, and meetings		334,707.	0.	0.	334,707.
22 Printing and publications		43,503.	0.	0.	43,503.
23 Other expenses	STMT 8	233,813.	2,255.	0.	325,276.
24 Total operating and administrative expenses. Add lines 13 through 23		3,004,077.	325,816.	0.	2,764,763.
25 Contributions, gifts, grants paid		4,958,403.			4,729,061.
26 Total expenses and disbursements. Add lines 24 and 25		7,962,480.	325,816.	0.	7,493,824.
27 Subtract line 26 from line 12:					
a Excess of revenue over expenses and disbursements		6,598,521.			
b Net investment income (if negative, enter -0-)			13,908,562.		
c Adjusted net income (if negative, enter -0-)				6,692,336.	

Part II Balance Sheets		Beginning of year	End of year	
Attached schedules and amounts in the description column should be for end-of-year amounts only		(a) Book Value	(b) Book Value	(c) Fair Market Value
Assets	1 Cash - non-interest-bearing	1,264,220.	1,957,379.	1,957,379.
	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 ▶ 1,664,500.			
	Less: allowance for doubtful accounts ▶ 0.	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 9	79,803,791.	78,963,437.	78,963,437.
	c Investments - corporate bonds			
	Liabilities	11 Investments - land, buildings, and equipment basis ▶		
Less accumulated depreciation ▶				
12 Investments - mortgage loans				
13 Investments - other STMT 10		77,353,618.	74,645,706.	74,645,706.
14 Land, buildings, and equipment: basis ▶ 818,127.				
Less accumulated depreciation ▶ 776,483.		46,568.	41,644.	41,644.
15 Other assets (describe ▶ STATEMENT 11)		609,140.	316,884.	316,884.
16 Total assets (to be completed by all filers - see the instructions. Also, see page 1, item I)		160,741,837.	157,589,550.	157,589,550.
17 Accounts payable and accrued expenses		115,607.	60,463.	
18 Grants payable		924,875.	1,192,576.	
Net Assets or Fund Balances	19 Deferred revenue			
	20 Loans from officers, directors, trustees, and other disqualified persons			
	21 Mortgages and other notes payable			
	22 Other liabilities (describe ▶ STATEMENT 12)	2,328,429.	2,289,856.	
	23 Total liabilities (add lines 17 through 22)	3,368,911.	3,542,895.	
Net Assets or Fund Balances	Foundations that follow SFAS 117, check here ▶ ☒ and complete lines 24 through 26 and lines 30 and 31.			
	24 Unrestricted	156,463,444.	154,046,655.	
	25 Temporarily restricted	147,482.	0.	
	26 Permanently restricted	762,000.	0.	
	Foundations that do not follow SFAS 117, check here ▶ ☐ and complete lines 27 through 31.			
	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			
30 Total net assets or fund balances	157,372,926.	154,046,655.		
31 Total liabilities and net assets/fund balances	160,741,837.	157,589,550.		

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	157,372,926.
2 Enter amount from Part I, line 27a	2	6,598,521.
3 Other increases not included in line 2 (itemize) ▶	3	0.
4 Add lines 1, 2, and 3	4	163,971,447.
5 Decreases not included in line 2 (itemize) ▶ BOOK/TAX DIFFERENCE FROM INVESTMENTS	5	9,924,792.
6 Total net assets or fund balances at end of year (line 4 minus line 5) - Part II, column (b), line 30	6	154,046,655.

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 8,316,287.			8,316,287.

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			8,316,287.

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	8,316,287.
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	452,670.

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))
2013			
2012			
2011			
2010			
2009			

2 Total of line 1, column (d)	2
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	3
4 Enter the net value of noncharitable-use assets for 2014 from Part X, line 5	4
5 Multiply line 4 by line 3	5
6 Enter 1% of net investment income (1% of Part I, line 27b)	6
7 Add lines 5 and 6	7
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.	8

**RESEARCH CORPORATION DBA RESEARCH
CORPORATION FOR SCIENCE ADVANCEMENT**

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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	0.
3. Add lines 1 and 2		3	0.
4. Subtitle A (income) tax (domestic section 4947(a)(1) trusts and taxable foundations only. Others enter -0-)		4	0.
5. Tax based on investment income Subtract line 4 from line 3. If zero or less, enter -0-		5	0.
6. Credits/Payments:			
a. 2014 estimated tax payments and 2013 overpayment credited to 2014	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 2015 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, CT, DC, IA, MA, MD, MN, NY, TX</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		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 2014 or the taxable year beginning in 2014 (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)

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)

11

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)

12

X

13

Did the foundation comply with the public inspection requirements for its annual returns and exemption application?

13

X

Website address

WWW.RESCORP.ORG

14

The books are in care of

DANNY 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 2014, 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?

16

Yes

No

X

See the instructions for exceptions and filing requirements for FinCEN Form 114, (formerly TD F 90-22.1). If "Yes," enter the name of the foreign country

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.

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

X

No

(2)

Borrow money from, lend money to, or otherwise extend credit to (or accept it from) a disqualified person?

Yes

X

No

(3)

Furnish goods, services, or facilities to (or accept them from) a disqualified person?

Yes

X

No

(4)

Pay compensation to, or pay or reimburse the expenses of, a disqualified person?

X

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

X

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

X

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)?

1b

X

Organizations relying on a current notice regarding disaster assistance check here

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 2014?

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 2014, did the foundation have any undistributed income (lines 6d and 6e, Part XIII) for tax year(s) beginning before 2014?

Yes

X

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.)

2b

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.

3a

Did the foundation hold more than a 2% direct or indirect interest in any business enterprise at any time during the year?

X

Yes

No

b

If "Yes," did it have excess business holdings in 2014 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 2014.)

3b

X

4a

Did the foundation invest during the year any amount in a manner that would jeopardize its charitable purposes?

4a

X

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 2014?

4b

X

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		567,625.	37,175.	86,450.

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
SILVIA RONCO - 4703 E. CAMP LOWELL #201, TUCSON, AZ 85712	PROGRAM DIRECTOR 40.00	133,500.	20,025.	13,350.
RICHARD WIENER - 4703 E. CAMP LOWELL #201, TUCSON, AZ 85712	PROGRAM DIRECTOR 40.00	133,500.	16,020.	13,350.
GAIL CRAIG-JAGER - 4703 E. CAMP LOWELL #201, TUCSON, AZ 85712	FINANCIAL ADMINISTRATOR 40.00	99,000.	9,900.	9,900.
DAN HUFF - 4703 E. CAMP LOWELL #201, TUCSON, AZ 85712	COMMUNICATIONS DIRECTOR 40.00	82,000.	9,840.	8,200.
THOMAS GOODENOW - 4703 E. CAMP LOWELL #201, TUCSON, AZ 85712	IT DIRECTOR 40.00	71,000.	10,650.	7,100.
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
CAPITAL GUARDIAN TRUST CO. PO BOX 659518, SAN ANTONIO, TX 78265	INVESTMENT MANAGEMENT	183,368.
KEEGAN, LINS COTT & KENON - 33 N. STONE AVENUE, STE 1100, TUCSON, AZ 85701	AUDIT & TAX SERVICES	52,550.
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	2,586,477.
2 SEE STATEMENT 16	1,693,225.
3 SEE STATEMENT 17	1,619,532.
4 SEE STATEMENT 18	1,153,966.

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	
All other program-related investments. See instructions.	
3	
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 104,580,829.
b	Average of monthly cash balances	1b 1,849,247.
c	Fair market value of all other assets	1c 52,846,913.
d	Total (add lines 1a, b, and c)	1d 159,276,989.
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	3 159,276,989.
4	Cash deemed held for charitable activities. Enter 1 1/2% of line 3 (for greater amount, see instructions)	4 2,389,155.
5	Net value of noncharitable-use assets. Subtract line 4 from line 3. Enter here and on Part V, line 4	5 156,887,834.
6	Minimum investment return. Enter 5% of line 5	6 7,844,392.

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 2014 from Part VI, line 5	2a
b	Income tax for 2014. (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 7,493,824.
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 7,493,824.
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 7,493,824.

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.

Form 990-PF (2014)

Part XIII Undistributed Income (see instructions)

N/A

	(a) Corpus	(b) Years prior to 2013	(c) 2013	(d) 2014
1 Distributable amount for 2014 from Part XI, line 7				
2 Undistributed income, if any, as of the end of 2014				
a Enter amount for 2013 only				
b Total for prior years:				
3 Excess distributions carryover, if any, to 2014:				
a From 2009				
b From 2010				
c From 2011				
d From 2012				
e From 2013				
f Total of lines 3a through e				
4 Qualifying distributions for 2014 from Part XII, line 4: ► \$				
a Applied to 2013, 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 2014 distributable amount				
e Remaining amount distributed out of corpus				
5 Excess distributions carryover applied to 2014 (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 2013. Subtract line 4a from line 2a. Taxable amount - see instr.				
f Undistributed income for 2014. Subtract lines 4d and 5 from line 1. This amount must be distributed in 2015				
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 2009 not applied on line 5 or line 7				
9 Excess distributions carryover to 2015. Subtract lines 7 and 8 from line 6a				
10 Analysis of line 9:				
a Excess from 2010				
b Excess from 2011				
c Excess from 2012				
d Excess from 2013				
e Excess from 2014				

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 2014, 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)

	Prior 3 years				(e) Total
	(a) 2014	(b) 2013	(c) 2012	(d) 2011	
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	6,692,336.	7,916,535.	7,226,181.	3,654,348.	25,489,400.
b. 85% of line 2a	5,688,486.	6,729,055.	6,142,254.	3,106,196.	21,665,990.
c. Qualifying distributions from Part XII, line 4 for each year listed	7,493,824.	8,056,240.	8,554,535.	9,554,955.	33,659,554.
d. Amounts included in line 2c not used directly for active conduct of exempt activities	52,435.	0.	0.	0.	52,435.
e. Qualifying distributions made directly for active conduct of exempt activities. Subtract line 2d from line 2c	7,441,389.	8,056,240.	8,554,535.	9,554,955.	33,607,119.
3. Complete 3a, b, or c for the alternative test relied upon:					
a. "Assets" alternative test - enter:					
(1) Value of all assets	157,589,550.	160,741,837.	146,724,496.	121,161,757.	586,217,640.
(2) Value of assets qualifying under section 4942(j)(3)(B)(i)					0.
b. "Endowment" alternative test - enter 2/3 of minimum investment return shown in Part X, line 6 for each year listed	5,229,595.	5,277,690.	4,817,454.	4,207,978.	19,532,717.
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)					0.
(2) Support from general public and 5 or more exempt organizations as provided in section 4942(j)(3)(B)(iii)					0.
(3) Largest amount of support from an exempt organization					0.
(4) Gross investment income					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.

Part XV Supplementary Information (continued)

3. Grants and Contributions Paid During the Year or Approved for Future Payment

Recipient	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
Name and address (home or business)				
a <i>Paid during the year</i>				
SEE ATTACHED STATEMENT				4,729,061.
Total			► 3a	4,729,061.
b <i>Approved for future payment</i>				
SEE ATTACHED STATEMENT				1,192,576.
Total			► 3b	1,192,576.

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	2,828,382.	
5 Net rental income or (loss) from real estate:					
a Debt-financed property					
b Not debt-financed property			16	-45,252.	
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	8,316,287.	
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	321,575.	14	-35,052.	
c OTHER INCOME FROM					
d INVESTMENTS - PFIC			14	3,170,013.	
e _____					
12 Subtotal. Add columns (b), (d), and (e)		321,575.		14,234,378.	0.
13 Total. Add line 12, columns (b), (d), and (e)				13	14,555,953.

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

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

[illegible]

Part XVII	Information Regarding Transfers To and Transactions and Relationships With Noncharitable Exempt Organizations
------------------	--

- | | | Yes | No |
|----------|--|-------|----|
| 1 | Did the organization directly or indirectly engage in any of the following described in section 501(c) of the Code (other than section 501(c)(3) organizations) or in section 527, relating to political organizations? | | |
| a | Transfers from the reporting foundation to a noncharitable exempt organization of: | | |
| | (1) Cash | 1a(1) | X |
| | (2) Other assets | 1a(2) | X |
| b | Other transactions: | | |
| | (1) Sales of assets to a noncharitable exempt organization | 1b(1) | X |
| | (2) Purchases of assets from a noncharitable exempt organization | 1b(2) | X |
| | (3) Rental of facilities, equipment, or other assets | 1b(3) | X |
| | (4) Reimbursement arrangements | 1b(4) | X |
| | (5) Loans or loan guarantees | 1b(5) | X |
| | (6) Performance of services or membership or fundraising solicitations | 1b(6) | X |
| c | Sharing of facilities, equipment, mailing lists, other assets, or paid employees | 1c | X |
| d | If the answer to any of the above is "Yes," complete the following schedule. Column (b) should always show the fair market value of the goods, other assets, or services given by the reporting foundation. If the foundation received less than fair market value in any transaction or sharing arrangement, show in column (d) the value of the goods, other assets, or services received. | | |

[illegible]

- 2a** Is the foundation directly or indirectly affiliated with, or related to, one or more tax-exempt organizations described in section 501(c) of the Code (other than section 501(c)(3)) or in section 527? ☐ Yes ☒ No
- b** If "Yes," complete the following schedule.

(a) Name of organization	(b) Type of organization	(c) Description of relationship
N/A		

Sign Here  Signature of officer or trustee	Under penalties of perjury, I declare that I have examined this return, including accompanying schedules and statements, and to the best of my knowledge and belief, it is true, correct, and complete. Declaration of preparer (other than taxpayer) is based on all information of which preparer has any knowledge.				Date 9/30/15	Title CFO	May the IRS discuss this return with the preparer shown below (see instr.)? ☒ Yes ☐ No
	Print/Type preparer's name KAREN K. MCCLOSKEY, CPA		Preparer's signature 		Date 9/29/15	Check ☐ if self-employed	PTIN P00099644
Paid Preparer Use Only	Firm's name ▶ BEACHFLEISCHMAN PC					Firm's EIN ▶ 86-0683059	
	Firm's address ▶ 1985 E. RIVER ROAD, SUITE 201 TUCSON, AZ 85718-7176					Phone no. 520-321-4600	

Form **990-PF** (2014)

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 VI LP	P		
c	AG CAPITAL RECOVERY PARTNERS VI LP	P		
d	AG CORE PLUS REALTY FUND LP	P		
e	AG REALTY FUND IV LP	P		
f	AG REALTY FUND V LP	P		
g	AG REALTY FUND VI LP	P		
h	AG SUPER FUND LP	P		
i	AG SUPER FUND LP	P		
j	CAPITAL GUARDIAN TRUST CO.	P		
k	CAPITAL GUARDIAN TRUST CO.	P		
l	VANGUARD	P		
m	VANGUARD	P		
n				
o				

(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 7,969.			7,969.
b 25,964.			25,964.
c 50,205.			50,205.
d 42,262.			42,262.
e 21.			21.
f 151.			151.
g 1,076.			1,076.
h 410,313.			410,313.
i 777,483.			777,483.
j 5,145.			5,145.
k 6,968,620.			6,968,620.
l 11,227.			11,227.
m 15,851.			15,851.
n			
o			

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			7,969.
b			** 25,964.
c			50,205.
d			42,262.
e			** 21.
f			151.
g			1,076.
h			** 410,313.
i			777,483.
j			** 5,145.
k			6,968,620.
l			** 11,227.
m			15,851.
n			
o			

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	8,316,287.
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	452,670.

FORM 990-PF DIVIDENDS AND INTEREST FROM SECURITIES STATEMENT 1

SOURCE	GROSS AMOUNT	CAPITAL GAINS DIVIDENDS	(A) REVENUE PER BOOKS	(B) NET INVEST- MENT INCOME	(C) ADJUSTED NET INCOME
CAPITAL GUARDIAN	1,441,957.	0.	1,441,957.	1,441,957.	1,441,957.
K-1 INVESMENTS	896,864.	0.	896,864.	896,864.	896,864.
PIMCO	415,342.	0.	415,342.	415,342.	415,342.
VANGUARD	74,219.	0.	74,219.	74,219.	74,219.
TO PART I, LINE 4	2,828,382.	0.	2,828,382.	2,828,382.	2,828,382.

FORM 990-PF RENTAL INCOME STATEMENT 2

KIND AND LOCATION OF PROPERTY	ACTIVITY NUMBER	GROSS RENTAL INCOME
REAL ESTATE - AG REALTY FUND IV LP	1	-1,201.
REAL ESTATE - AG REALTY FUND V LP	2	-362.
REAL ESTATE - AG REALTY FUND VI LP	3	-32,384.
REAL ESTATE - AG SUPER FUND LP	4	-11,305.
TOTAL TO FORM 990-PF, PART I, LINE 5A		-45,252.

FORM 990-PF OTHER INCOME STATEMENT 3

DESCRIPTION	(A) REVENUE PER BOOKS	(B) NET INVEST- MENT INCOME	(C) ADJUSTED NET INCOME
OTHER INCOME (LOSS) FROM K-1S	286,523.	-35,052.	286,523.
OTHER INCOME FROM INVESTMENTS - PFIC	3,170,013.	3,170,013.	3,170,013.
TOTAL TO FORM 990-PF, PART I, LINE 11	3,456,536.	3,134,961.	3,456,536.

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	38,012.	0.	0.	38,012.	
TO FM 990-PF, PG 1, LN 16A	38,012.	0.	0.	38,012.	

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	56,834.	28,417.	0.	28,417.	
TO FORM 990-PF, PG 1, LN 16B	56,834.	28,417.	0.	28,417.	

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	188,018.	188,018.	0.	0.	
CONSULTANT FEES	84,236.	0.	0.	84,236.	
TO FORM 990-PF, PG 1, LN 16C	272,254.	188,018.	0.	84,236.	

FORM 990-PF	TAXES			STATEMENT	7
DESCRIPTION	(A) EXPENSES PER BOOKS	(B) NET INVEST- MENT INCOME	(C) ADJUSTED NET INCOME	(D) CHARITABLE PURPOSES	
UBIT TAXES	2,292.	0.	0.	0.	
TO FORM 990-PF, PG 1, LN 18	2,292.	0.	0.	0.	

FORM 990-PF	OTHER EXPENSES			STATEMENT	8
DESCRIPTION	(A) EXPENSES PER BOOKS	(B) NET INVEST- MENT INCOME	(C) ADJUSTED NET INCOME	(D) CHARITABLE PURPOSES	
POSTAGE	3,573.	0.	0.	3,573.	
OFFICE EXPENSE	28,512.	0.	0.	28,512.	
COMPUTER HARDWARE & EXPENSES	105,084.	0.	0.	105,084.	
ADVERTISING & PROMOTION	25,567.	0.	0.	25,567.	
PRESIDENTIAL TRANSITION	5,778.	0.	0.	5,778.	
INSURANCE	27,367.	0.	0.	27,367.	
PROFESSIONAL DEVELOPMENT	3,668.	0.	0.	3,668.	
MISCELLANEOUS	16,141.	2,255.	0.	13,886.	
AWARDS	18,123.	0.	0.	18,123.	
ACCRUAL TO CASH ADJUSTMENT	0.	0.	0.	93,718.	
TO FORM 990-PF, PG 1, LN 23	233,813.	2,255.	0.	325,276.	

FORM 990-PF	CORPORATE STOCK		STATEMENT	9
DESCRIPTION	BOOK VALUE		FAIR MARKET VALUE	
PUBLIC EQUITY INVESTMENTS	78,963,437.		78,963,437.	
TOTAL TO FORM 990-PF, PART II, LINE 10B	78,963,437.		78,963,437.	

FORM 990-PF	OTHER INVESTMENTS		STATEMENT	10
DESCRIPTION	VALUATION METHOD	BOOK VALUE	FAIR MARKET VALUE	
ALTERNATIVE INVESTMENTS	FMV	57,198,108.	57,198,108.	
FIXED INCOME INVESTMENTS	FMV	17,447,598.	17,447,598.	
TOTAL TO FORM 990-PF, PART II, LINE 13		74,645,706.	74,645,706.	

FORM 990-PF	OTHER ASSETS		STATEMENT 11
DESCRIPTION	BEGINNING OF YR BOOK VALUE	END OF YEAR BOOK VALUE	FAIR MARKET VALUE
DIVIDENDS AND INTEREST RECEIVABLE	375,475.	85,804.	85,804.
OTHER ASSETS	233,665.	231,080.	231,080.
TOTAL TO FORM 990-PF, PART II, LINE 15	609,140.	316,884.	316,884.

FORM 990-PF	OTHER LIABILITIES		STATEMENT 12
DESCRIPTION	BOY AMOUNT	EOY AMOUNT	
POSTRETIREMENT BENEFIT OBLIGATION	944,570.	889,856.	
LBT LIABILITY	1,383,859.	1,400,000.	
TOTAL TO FORM 990-PF, PART II, LINE 22	2,328,429.	2,289,856.	

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
TRUSTEES AND FOUNDATION MANAGERS

STATEMENT 14

NAME AND ADDRESS	TITLE AND AVRG HRS/WK	COMPEN- SATION	EMPLOYEE BEN PLAN EXPENSE CONTRIB ACCOUNT
DR. ROBERT SHELTON 4703 E. CAMP LOWELL #201 TUCSON, AZ 85712	PRESIDENT AND 40.00	BOARD MEMBER AS OF 03/14 296,875.	0. 59,375.
MR. JOHN PLADZIEWICZ 4703 E. CAMP LOWELL #201 TUCSON, AZ 85712	PRESIDENT AND 40.00	BOARD MEMBER THRU 03/14 68,750.	6,875. 6,875.
DR. PATRICK OSMER 4703 E. CAMP LOWELL #201 TUCSON, AZ 85712	CHAIRMAN OF THE BOARD 2.00	0.	0. 0.
DR. ROBERT HALLOCK 4703 E. CAMP LOWELL #201 TUCSON, AZ 85712	SECRETARY AND BOARD MEMBER 2.00	0.	0. 0.
MR. DANIEL GASCH 4703 E. CAMP LOWELL #201 TUCSON, AZ 85712	CHIEF FINANCIAL OFFICER 40.00	202,000.	30,300. 20,200.
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	0.	0. 0.
MR. JONATHAN HOOK 4703 E. CAMP LOWELL #201 TUCSON, AZ 85712	BOARD MEMBER 2.00	0.	0. 0.
DR. BRENT IVERSON 4703 E. CAMP LOWELL #201 TUCSON, AZ 85712	BOARD MEMBER 2.00	0.	0. 0.
DR. GAYLE P. W. JACKSON 4703 E. CAMP LOWELL #201 TUCSON, AZ 85712	BOARD MEMBER 2.00	0.	0. 0.

DR. ELIZABETH MCCORMACK	BOARD MEMBER			
4703 E. CAMP LOWELL #201	2.00	0.	0.	0.
TUCSON, AZ 85712				
MR. DAVID WENNER	BOARD MEMBER			
4703 E. CAMP LOWELL #201	2.00	0.	0.	0.
TUCSON, AZ 85712				
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	567,625.	37,175.	86,450.
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FORM 990-PF	SUMMARY OF DIRECT CHARITABLE ACTIVITIES	STATEMENT	15
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ACTIVITY ONE

THE JOHN SCHAEFER AWARD WAS CREATED IN HONOR OF RCSA'S PAST PRESIDENT, JOHN SCHAEFER. IN 2014, RCSA TRANSFERRED THE FUNDS FOR THIS AWARD TO ANOTHER ORGANIZATION (THE NATIONAL ACADEMY OF SCIENCES) TO MANAGE AND MAINTAIN IN ACCORDANCE WITH THE ENDOWMENT'S ORIGINAL PURPOSE. THE AWARD IS KNOWN AS THE NATIONAL ACADEMY OF SCIENCE (NAS) AWARD FOR SCIENTIFIC DISCOVERY (IN HONOR OF JOHN SCHAEFER). THE AWARD WILL BE GIVEN BIENNIALY TO RECOGNIZE AN ACCOMPLISHMENT OR DISCOVERY IN BASIC RESEARCH WITHIN THE PAST FIVE YEARS. THE FIELDS OF SCIENCE FOR EACH PRESENTATION WILL ROTATE FROM AMONG CHEMISTRY, BIOCHEMISTRY, BIOPHYSICS, ASTRONOMY, PHYSICS, AND MATERIALS SCIENCE WITH THE INAUGURAL AWARD TO BE PRESENTED IN 2015.

EXPENSES

TO FORM 990-PF, PART IX-A, LINE 1

2,586,477.

FORM 990-PF	SUMMARY OF DIRECT CHARITABLE ACTIVITIES	STATEMENT 16
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ACTIVITY TWO

THE COTTRELL COLLEGE SCIENCE AWARD (CCSA) SUPPORTS THE RESEARCH PROGRAMS OF EARLY CAREER FACULTY IN CHEMISTRY, PHYSICS AND ASTRONOMY AT PRIMARILY UNDERGRADUATE INSTITUTIONS ACROSS THE UNITED STATES. CCSA OFFERS OPPORTUNITIES TO SINGLE INVESTIGATORS AND TO INTERDISCIPLINARY TEAMS OF FACULTY WORKING IN COLLABORATIVE PROJECTS. 41 SINGLE-INVESTIGATOR AND THREE MULTI-INVESTIGATOR COTTRELL COLLEGE SCIENCE AWARDS WERE MADE IN 2014.

EXPENSES

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

1,693,225.

FORM 990-PF	SUMMARY OF DIRECT CHARITABLE ACTIVITIES	STATEMENT 17
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ACTIVITY THREE

THE COTTRELL SCHOLAR AWARD DEVELOPS OUTSTANDING CHEMISTRY, PHYSICS AND ASTRONOMY TEACHER-SCHOLARS AT RESEARCH 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. 12 COTTRELL SCHOLAR AWARDS WERE GIVEN IN 2014.

EXPENSES

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

1,619,532.

FORM 990-PF

SUMMARY OF DIRECT CHARITABLE ACTIVITIES

STATEMENT 18

ACTIVITY FOUR

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.

EXPENSES

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

1,153,966.

Schedule of Appropriations and Payments, by Request ID

12/31/2014

Fiscal Year 2014

Recipient and/or Purpose	Tax Status	Beginning Balance 2014	Newly Allocated 2014	Amended 2014	Amount Paid 2014	Ending Balance 2014
Macalester College 1600 Grand Avenue St Paul, MN 55105 <i>Combining Organic Synthesis and Biochemistry to Study Siderophore Biosynthesis in Fungi</i> \$69,936 00 11/1/2009 ID. 10800		\$0.00	\$0 00	(\$5,064 00)	(\$5,064 00)	\$0 00
Hobart and William Smith Colleges 300 Putney Street Geneva, NY 14456-3397 <i>Multicanonical simulations of protein aggregation the role of the potential energy surface in oligomer and fibril formation</i> \$29,617.00 5/1/2011 ID 20265		\$0 00	\$0 00	(\$5,383 00)	(\$5,383 00)	\$0 00
Texas State University, San Marcos 601 University Drive San Marcos, TX 78666 <i>Regulation of the essential splicing helicase Brr2 by U5 snRNP proteins during spliceosome assembly</i> \$25,419 00 5/1/2012 ID 20957		\$0 00	\$0 00	(\$9,581.00)	(\$9,581 00)	\$0 00
University of Michigan, Dearborn 4901 Evergreen Road Dearborn, MI 48128-1491 <i>Algal toxins as phosphatase inhibitors Identification of new targets and structure-activity characterization</i> \$0 00 5/1/2012 ID 21014		\$17,500 00	\$0 00	(\$35,000 00)	(\$17,500 00)	\$0 00

Fiscal Year 2014

Recipient and/or Purpose	Tax Status	Beginning Balance 2014	Newly Allocated 2014	Amended 2014	Amount Paid 2014	Ending Balance 2014
College of Charleston 66 George Street Charleston, SC 29424 <i>Extrasolar Planet Imaging Studies with the Hubble and Spitzer Telescopes</i> \$35,000.00 5/1/2012 ID. 21026		\$17,500 00	\$0 00	\$0 00	\$17,500 00	\$0 00
University of Arizona Foundation 1111 N. Cherry Avenue Tucson, AZ 85721 <i>Arizona Assurance Scholars Program</i> \$100,000 00 9/16/2011 ID. 21079		\$40,000 00	\$0 00	\$0.00	\$20,000 00	\$20,000 00
Iowa State University 1750 Beardshear Hall Ames, IA 50011 <i>Self-Destructing Latent Fluorophores for Dynamic Imaging</i> \$75,000 00 1/10/2013 ID. 22260		\$2,500.00	\$0.00	\$0.00	\$2,500 00	\$0 00
Montana State University, Bozeman Montana Hall Bozeman, MT 59717 <i>Superconductivity and Magnetism in New Materials and New Environments</i> \$75,000 00 1/10/2013 ID. 22266		\$2,500 00	\$0 00	\$0.00	\$2,500 00	\$0 00

Fiscal Year 2014

Recipient and/or Purpose	Tax Status	Beginning Balance 2014	Newly Allocated 2014	Amended 2014	Amount Paid 2014	Ending Balance 2014
University of Colorado at Boulder 914 Broadway Boulder, CO 80309 <i>Compositionally Complex Nanoscale Materials for Solar Fuel Generation and Integration of Solar Energy Research into Physical Chemistry Curriculum</i> \$75,000.00 1/10/2013 ID: 22269		\$2,500.00	\$0.00	\$0.00	\$2,500.00	\$0.00
California Institute of Technology 1200 E California Blvd Pasadena, CA 91125 <i>Heterometallic Manganese-Oxide Clusters for Studies of Oxygen Chemistry</i> \$75,000.00 1/10/2013 ID: 22280		\$2,500.00	\$0.00	\$0.00	\$2,500.00	\$0.00
Boston University One Silber Way Boston, MA 02215 <i>Extracting Excellence from Traditionally Underrepresented Populations Constraining the Formation of Low-Mass Dwarfs and BU Pre-MaP</i> \$75,000.00 1/10/2013 ID: 22283		\$2,500.00	\$0.00	\$0.00	\$2,500.00	\$0.00
University of Pennsylvania 3451 Walnut Street Philadelphia, PA 19104 <i>The Crisis in the Global Supply of Rare Earth Elements as a Scientific and Educational Opportunity</i> \$75,000.00 1/10/2013 ID: 22289		\$2,500.00	\$0.00	\$0.00	\$2,500.00	\$0.00

Fiscal Year 2014

Recipient and/or Purpose	Tax Status	Beginning Balance 2014	Newly Allocated 2014	Amended 2014	Amount Paid 2014	Ending Balance 2014
Tufts University 419 Boston Boulevard Medford, MA 02155 <i>Revealing the Monsters Characterization of Ultra-massive Galaxies in the Early Universe</i> \$75,000 00 1/10/2013 ID: 22296		\$2,500.00	\$0 00	\$0 00	\$2,500 00	\$0 00
University of Michigan, Ann Arbor Fleming Administration Bldg. Ann Arbor, MI 48109 <i>Flows in Theoretical Physics and a Communication-Based Approach to Peer Instruction</i> \$75,000 00 1/10/2013 ID: 22297		\$2,500 00	\$0 00	\$0 00	\$2,500.00	\$0 00
University of California, Los Angeles 405 Hilgard Avenue Los Angeles, CA 90095 <i>Novel Chemical Probes for Dissecting the Mechanisms of Cell Division</i> \$75,000 00 1/10/2013 ID: 22300		\$2,500.00	\$0.00	\$0.00	\$2,500 00	\$0 00
Yale University 246 Church Street New Haven, CT 06520 <i>The Search for Stop with the Large Hadron Collider and Addressing the National Crisis in STEM Education</i> \$75,000 00 1/10/2013 ID: 22306		\$2,500.00	\$0 00	\$0 00	\$2,500 00	\$0 00

Fiscal Year 2014

Recipient and/or Purpose	Tax Status	Beginning Balance 2014	Newly Allocated 2014	Amended 2014	Amount Paid 2014	Ending Balance 2014
University of Delaware 210 S. College Avenue Newark, DE 19716 <i>Transition Metal Catalyzed Silyl-Sonogashira Reactions</i> \$75,000.00 1/10/2013 ID: 22309		\$2,500.00	\$0.00	\$0.00	\$2,500.00	\$0.00
University of Notre Dame 400 Main Building Notre Dame, IN 46556 <i>Chemical Instrumentation Developing a Label Free Spectroscopic Detector for Flow Analysis of Microparticles in Blood Serum</i> \$75,000.00 1/10/2013 ID: 22311		\$2,500.00	\$0.00	\$0.00	\$2,500.00	\$0.00
University of Houston 4800 Calhoun Boulevard Houston, TX 77204 <i>Lessons from Nature Compartmentalization, Reaction Discovery, and Parallel Synthesis in Kinetically Self-Sorting Libraries</i> \$75,000.00 1/10/2013 ID: 22316		\$2,500.00	\$0.00	\$0.00	\$2,500.00	\$0.00
University of North Carolina at Chapel Hill 3040 Manning Drive Chapel Hill, NC 27514 <i>20% Efficiency Nanostructured PbS Solar Cells</i> \$100,000.00 4/1/2013 ID: 22371		\$50,000.00	\$0.00	\$0.00	\$50,000.00	\$0.00

Fiscal Year 2014

Recipient and/or Purpose	Tax Status	Beginning Balance 2014	Newly Allocated 2014	Amended 2014	Amount Paid 2014	Ending Balance 2014
University at Buffalo SUNY 12 Capen Hall Buffalo, NY 14260-1660 <i>Towards a Tunable Platform for Exploring Band Alignment and Mediating Efficient Charge Transfer Combining Quantum Confinement with Mid-Gap States</i> \$26,524 00 4/1/2013 ID: 22380		\$50,000 00	\$0 00	(\$73,476.00)	(\$23,476 00)	\$0 00
University of Maryland, College Park 1101 Main Administration Bldg. College Park, MD 20742 <i>Probing Fundamental Light-Matter Interactions in Colloidal Hybrid Quantum Structures for Novel Plasmon-Enhanced Solar Energy Conversion</i> \$100,000 00 4/1/2013 ID: 22382		\$50,000 00	\$0 00	\$0 00	\$50,000 00	\$0.00
University of Utah 201 Presidents Circle Salt Lake City, UT 84112 <i>The Goldilocks Platform for Efficient H2 Fuel Generation Enhanced Solar-Matched Photocatalysis of H2O using GaN Surface States</i> \$125,000.00 4/1/2013 ID: 22383		\$62,500.00	\$0.00	\$0 00	\$62,500 00	\$0 00
Colorado State University 200 W Lake Street Fort Collins, CO 80523-1371 <i>Non-Toxic, Low Temperature Preparations of Earth Abundant Nanocrystal Inks for High Efficiency Photovoltaic Modules</i> \$100,000 00 4/1/2013 ID: 22391		\$50,000.00	\$0.00	\$0.00	\$50,000 00	\$0 00

Fiscal Year 2014

Recipient and/or Purpose	Tax Status	Beginning Balance 2014	Newly Allocated 2014	Amended 2014	Amount Paid 2014	Ending Balance 2014
University of Colorado, Denver 1250 14th Street Denver, CO 80217 <i>Hydrophobic and Electrostatic Driving Forces for Protein-Membrane Docking An Experimental and Computational Approach</i> \$75,000.00		\$31,500 00	\$0 00	\$0 00	\$31,500 00	\$0 00
4/15/2013 ID 22399						
Siena College 515 Loudon Road Loudonville, NY 12211-1462 <i>Cholesteric Liquid Crystalline Porphyrins and their Efficacy as VOC Sensors</i> \$75,000 00		\$36,680.00	\$0 00	\$0 00	\$36,680 00	\$0 00
4/15/2013 ID 22410						
Swarthmore College 500 College Avenue Swarthmore, PA 19081 <i>Chiral Biodegradation of Pesticides</i> \$57,121 00		\$33,195 00	\$0.00	(\$17,879 00)	\$15,316 00	\$0 00
4/15/2013 ID. 22411						
University of Richmond 28 Westhampton Way Richmond, VA 23173 <i>Structural investigations of DNA replication of analogues of the mutagenic nucleotide, 8-oxo-2'-deoxyguanosine</i> \$75,000 00		\$30,000 00	\$0.00	\$0.00	\$30,000 00	\$0 00
4/15/2013 ID. 22414						

Fiscal Year 2014

Recipient and/or Purpose	Tax Status	Beginning Balance 2014	Newly Allocated 2014	Amended 2014	Amount Paid 2014	Ending Balance 2014
American Association for the Advancement of Science 1200 New York Ave NW Washington, DC 20005 <i>Teaching Science Like we do Science</i> \$1,000.00 4/19/2013 ID: 22433		\$1,000.00	\$0.00	\$0.00	\$1,000.00	\$0.00
University at Buffalo SUNY 12 Capen Hall Buffalo, NY 14260-1660 <i>Towards a Tunable Platform for Exploring Band Alignment and Mediating Efficient Charge Transfer Combining Quantum Confinement with Mid-Gap States</i> \$100,000.00 4/1/2013 ID: 22437		\$50,000.00	\$0.00	\$0.00	\$50,000.00	\$0.00
University of Utah 201 Presidents Circle Salt Lake City, UT 84112 <i>The Goldilocks Platform for Efficient H2 Fuel Generation Enhanced Solar-Matched Photocatalysis of H2 using GaN Surface States</i> \$125,000.00 4/1/2013 ID: 22438		\$62,500.00	\$0.00	\$0.00	\$62,500.00	\$0.00
Mount Vernon Technology & Science Youth Center for Advancement Mount Vernon, NY <i>Mount Vernon Economic-Entrepreneurial Revitalization Program</i> \$3,000.00 4/1/2014 ID: 22445	501c(3)	\$0.00	\$3,000.00	\$0.00	\$3,000.00	\$0.00

Fiscal Year 2014

Recipient and/or Purpose	Tax Status	Beginning Balance 2014	Newly Allocated 2014	Amended 2014	Amount Paid 2014	Ending Balance 2014
James Madison University 800 S Main Street Harrisonburg, VA 22807 <i>Structure/Function Analysis of the Giant Muscle Protein Obscurin</i> \$35,000 00 2/15/2014 ID: 22450		\$0 00	\$35,000 00	\$0 00	\$20,927 00	\$14,073 00
Carleton College One N College Street Northfield, MN 55057 <i>Optimization of Index Contrast in Diffusive Photopolymers Able to Create Waveguides and Fluid Channels in Optofluidic Devices</i> \$35,000 00 2/15/2014 ID: 22466		\$0 00	\$35,000 00	\$0 00	\$18,933.00	\$16,067 00
Harvey Mudd College 301 Platt Boulevard Claremont, CA 91711 <i>An Investigation of the Role of Fog in Forming and Transforming Brown Carbon in Urban Organic Aerosol</i> \$35,000 00 2/15/2014 ID: 22473		\$0 00	\$35,000.00	\$0 00	\$20,500 00	\$14,500 00
University of Wisconsin, Eau Claire 105 Garfield Avenue Eau Claire, WI 54702 <i>Smart Terphenyls Synthesis and Study of Planar Conjugated Compounds Capable of Dual-Input Geometry Switching</i> \$35,000 00 2/15/2014 ID: 22480		\$0 00	\$35,000 00	\$0.00	\$17,500.00	\$17,500 00

Fiscal Year 2014

Recipient and/or Purpose	Tax Status	Beginning Balance 2014	Newly Allocated 2014	Amended 2014	Amount Paid 2014	Ending Balance 2014
College of the Holy Cross One College Street Worcester, MA 01610 <i>Molecular Monolayers on Nanoporous Gold Electrodes</i> \$35,000 00 2/15/2014 ID 22483		\$0 00	\$35,000.00	\$0 00	\$17,192 00	\$17,808 00
California State University, Long Beach 1250 Bellflower Blvd. Long Beach, CA 90840 <i>Unnatural Amino Acid Mutagenesis to Investigate Enzymatic General Base Catalysis</i> \$35,000.00 2/15/2014 ID 22489		\$0 00	\$35,000 00	\$0 00	\$20,842.00	\$14,158 00
College of Charleston 66 George Street Charleston, SC 29424 <i>Nucleophilic Aromatic Substitution in Proteins An Old Reaction for New Functionalization Strategies</i> \$35,000 00 2/15/2014 ID 22490		\$0.00	\$35,000 00	\$0.00	\$18,000.00	\$17,000 00
College of William and Mary 105 Jamestown Road Williamsburg, VA 23187 <i>Developing Robust Systems for the Photogeneration of Hydrogen A Combined Synthetic and Single-Molecule Spectroscopic Approach</i> \$75,000 00 2/15/2014 ID 22491		\$0.00	\$75,000.00	\$0.00	\$37,500 00	\$37,500 00

Fiscal Year 2014

Recipient and/or Purpose	Tax Status	Beginning Balance 2014	Newly Allocated 2014	Amended 2014	Amount Paid 2014	Ending Balance 2014
Central Michigan University 1200 S Franklin Street Mount Pleasant, MI 48859-0001 <i>A Chemical Approach to Identifying and Profiling Proteins in the Mycobacterial Outer Membrane</i> \$35,000 00 2/15/2014 ID: 22525		\$0.00	\$35,000 00	\$0.00	\$17,880 00	\$17,120 00
The Citadel 171 Moultrie St Charleston, SC 29409 <i>Ideal Multipole Ion Traps</i> \$35,000 00 2/15/2014 ID: 22527		\$0.00	\$35,000 00	\$0.00	\$19,930.00	\$15,070 00
Franklin and Marshall College PO Box 3003 Lancaster, PA 17604 <i>Sensing of Halogenated Pollutants by Dehalococcoides mccartyi</i> \$35,000 00 2/15/2014 ID: 22529		\$0.00	\$35,000 00	\$0.00	\$17,842.00	\$17,138 00
University of North Florida One UNF Drive Jacksonville, FL 32224 <i>Characterization of Inductive Superconducting Nanowires as a Building Block for Quantum Circuits</i> \$35,000 00 2/15/2014 ID: 22530		\$0.00	\$35,000 00	\$0.00	\$19,350 00	\$15,650 00

Fiscal Year 2014

Recipient and/or Purpose	Tax Status	Beginning Balance 2014	Newly Allocated 2014	Amended 2014	Amount Paid 2014	Ending Balance 2014
Western Washington University 516 High Street Bellingham, WA 98225 <i>Silk-based Biomaterials for Neural Stimulation and Repair</i> \$35,000 00 2/15/2014 ID: 22536		\$0 00	\$35,000 00	\$0 00	\$20,100 00	\$14,900 00
Claremont McKenna College 500 E. 9th Street Claremont, CA 91711 <i>Biochemical Characterization and Engineering of Taq DNA Polymerase Mutants for the Synthesis of 2' Modified DNA</i> \$35,000 00 2/15/2014 ID: 22548		\$0 00	\$35,000 00	\$0 00	\$17,500 00	\$17,500 00
Lake Superior State University Office of the President 650 W. Easterday Avenue Sault Ste. Marie, MI 49783 <i>Multicyclic Heterocycle Syntheses via Tandem Amidation/Annulation Reactions of N-Containing Heterocycles and Carboxylic Acids</i> \$35,000 00 2/15/2014 ID: 22563		\$0 00	\$35,000 00	\$0.00	\$19,975 00	\$15,025 00
Murray State University 102 Curris Center Murray, KY 42071 <i>Synthesis and Electrochemistry of Pyridine- and Phosphine-Stabilized Iridium Oxide Nanoparticles in Solutions and Films</i> \$35,000 00 2/15/2014 ID: 22576		\$0.00	\$35,000 00	\$0.00	\$17,500 00	\$17,500 00

Fiscal Year 2014

Recipient and/or Purpose	Tax Status	Beginning Balance 2014	Newly Allocated 2014	Amended 2014	Amount Paid 2014	Ending Balance 2014
Pacific Lutheran University 12180 Park Avenue S Tacoma, WA 98447 <i>Retromutagenesis A Novel Route to Adaptive Mutagenesis</i> \$35,000 00 2/15/2014 ID: 22588		\$0.00	\$35,000 00	\$0 00	\$19,500 00	\$15,500 00
Hofstra University 151 Hofstra University Hempstead, NY 11549 <i>Identification and Characterization of Putative Halodalkane Dehalogenase Enzymes</i> \$35,000.00 2/15/2014 ID: 22589		\$0 00	\$35,000 00	\$0 00	\$23,000 00	\$12,000 00
Sam Houston State University 1806 Avenue J Huntsville, TX 77341 <i>Multi-wavelength Research of Core-collapse Supernovae at Sam Houston State University</i> \$35,000 00 2/15/2014 ID: 22597		\$0.00	\$35,000.00	\$0 00	\$20,500 00	\$14,500 00
University of North Florida One UNF Drive Jacksonville, FL 32224 <i>Target Synthesis of Hybrid Nanomaterials From Single-Molecule Magnets</i> \$35,000 00 2/15/2014 ID: 22598		\$0.00	\$35,000 00	\$0.00	\$18,250 00	\$16,750 00

Fiscal Year 2014

Recipient and/or Purpose	Tax Status	Beginning Balance 2014	Newly Allocated 2014	Amended 2014	Amount Paid 2014	Ending Balance 2014
College of Wooster 1189 Beall Ave Wooster, OH 44691 <i>Generation and Manipulation of Entangled Two-photon States with Tailored Transverse Spatial Modes via Hong-Ou-Mandel Interference</i> \$35,000 00 2/15/2014 ID: 22603		\$0 00	\$35,000 00	\$0 00	\$24,000.00	\$11,000 00
Villanova University 800 E Lancaster Avenue Villanova, PA 19085 <i>Activation of the Nrf2 Pathway by Oxidizable Diphenol Compounds Elucidating the Contributions of the Electrophilic Form and Reactive Oxygen Species</i> \$35,000 00 2/15/2014 ID: 22612		\$0.00	\$35,000 00	\$0 00	\$17,500 00	\$17,500 00
Middlebury College 9 Old Chapel Road Middlebury, VT 05753 <i>Quasar/Galaxy Co-Evolution Caught in the Act Understanding the Physics of Feedback</i> \$35,000 00 2/15/2014 ID: 22626		\$0 00	\$35,000.00	\$0 00	\$17,642.00	\$17,358 00
James Madison University 800 S Main Street Harrisonburg, VA 22807 <i>Synthesis of Functional Phosphine Chalcogenides for Polymerizable Cobalt Chalcogenide Clusters</i> \$35,000 00 2/15/2014 ID: 22628		\$0 00	\$35,000.00	\$0.00	\$17,500.00	\$17,500 00

Fiscal Year 2014

Recipient and/or Purpose	Tax Status	Beginning Balance 2014	Newly Allocated 2014	Amended 2014	Amount Paid 2014	Ending Balance 2014
Yeshiva University 500 W 185th Street New York, NY 10033 <i>Copper- and Palladium-Promoted Aromatic Acyloxylaton</i> \$35,000.00		\$0.00	\$35,000.00	\$0.00	\$21,500.00	\$13,500.00
2/15/2014 ID: 22638						
Southern Illinois University, Edwardsville One SIUE Edwardsville, IL 62026 <i>Development of a Stereoselective Tandem Diels-Alder Ugi-Smiles Process for the Efficient Assembly of Isoindoline Derivatives</i> \$35,000.00		\$0.00	\$35,000.00	\$0.00	\$17,909.00	\$17,091.00
2/15/2014 ID: 22639						
College of Charleston 66 George Street Charleston, SC 29424 <i>Defining the Role of Accessory Protein Subunits in the Assembly Mechanism of Mitochondrial Complex I</i> \$35,000.00		\$0.00	\$35,000.00	\$0.00	\$22,380.00	\$12,620.00
2/15/2014 ID: 22643						
Denison University 100 W College Street Granville, OH 43023-1359 <i>Laser Cooling and Trapping of Atomic Ions with Telecom Light</i> \$35,000.00		\$0.00	\$35,000.00	\$0.00	\$19,050.00	\$15,950.00
2/15/2014 ID: 22646						

Fiscal Year 2014

Recipient and/or Purpose	Tax Status	Beginning Balance 2014	Newly Allocated 2014	Amended 2014	Amount Paid 2014	Ending Balance 2014
College of Wooster 1189 Beall Ave Wooster, OH 44691 <i>Probing the Accretion Flow in Active Galaxies with Double-Peaked Emission Lines</i> \$35,000.00 2/15/2014 ID: 22653		\$0.00	\$35,000.00	\$0.00	\$0.00	\$35,000.00
Hartwick College P O Box 4020 Oneonta, NY 13820-1790 <i>Genetic and Biochemical Analysis of Enzyme Clustering in Yeast and its Application to Lesch-Nyhan Syndrome</i> \$35,000.00 2/15/2014 ID: 22655		\$0.00	\$35,000.00	\$0.00	\$17,500.00	\$17,500.00
Seton Hall University 400 S.Orange Avenue South Orange, NJ 07079 <i>Work Function Dependence of Barrier Height at CdTe/conducting Polymer/Junction with Tunable Polymer Work Function</i> \$35,000.00 2/15/2014 ID: 22656		\$0.00	\$35,000.00	\$0.00	\$20,574.00	\$14,426.00
University of Wisconsin, Oshkosh 800 Algoma Boulevard Oshkosh, WI 54901- <i>Characterization of Two New Manganese Homeostasis Proteins in Escherichia coli</i> \$35,000.00 2/15/2014 ID: 22658		\$0.00	\$35,000.00	\$0.00	\$17,500.00	\$17,500.00

Fiscal Year 2014

Recipient and/or Purpose	Tax Status	Beginning Balance 2014	Newly Allocated 2014	Amended 2014	Amount Paid 2014	Ending Balance 2014
James Madison University 800 S Main Street Harrisonburg, VA 22807 <i>Determination of Key Astrophysical Photomuclear Reaction Cross Section Towards Understanding the Origin of p-Nuclei</i> \$35,000 00 2/15/2014 ID: 22662		\$0 00	\$35,000 00	\$0 00	\$19,391 00	\$15,609 00
Colorado College 14 E. Cache La Poudre Street Colorado Springs, CO 80903 <i>Design, Synthesis, and Evaluation of New Drugs for Human African Trypanosomiasis</i> \$35,000.00 2/15/2014 ID: 22664		\$0 00	\$35,000.00	\$0 00	\$17,500.00	\$17,500 00
Pomona College 333 N. College Way Claremont, CA 91711 <i>Investigation of Ascaroside Biosynthesis in the Nematode C. elegans</i> \$35,000 00 2/15/2014 ID: 22670		\$0 00	\$35,000.00	\$0.00	\$17,500.00	\$17,500 00
California State University, Northridge 18111 Nordhoff Street Northridge, CA 91330 <i>Enabling Rational Design of Biodesulfurization Biochemical and Structural Characterization of Dibenzothiophene Monooxygenase</i> \$35,000 00 2/15/2014 ID: 22672		\$0.00	\$35,000.00	\$0.00	\$17,500 00	\$17,500 00

Fiscal Year 2014

Recipient and/or Purpose	Tax Status	Beginning Balance 2014	Newly Allocated 2014	Amended 2014	Amount Paid 2014	Ending Balance 2014
Barnard College 3009 Broadway New York, NY 10027 <i>Iron and Copper Induced Alterations in MicroRNA Expression as a New Role for Metals in Neurodegenerative Disorders</i> \$35,000 00		\$0 00	\$35,000 00	\$0 00	\$22,500 00	\$12,500 00
Dickinson College 20 S College Street Carlisle, PA 17013 <i>Investigation of the effects of parthenolide on the heat shock response system</i> \$35,000 00		\$0 00	\$35,000 00	\$0 00	\$18,498 00	\$16,502 00
Texas A&M University, Commerce 2600 S Neal Street Commerce, TX 75429-3011 <i>Trigonometric Parallax Determination of the Masses of the Mysterious Carbon-atmosphere White Dwarfs</i> \$35,000 00		\$0 00	\$35,000 00	\$0 00	\$20,158 00	\$14,842 00
Macalester College 1600 Grand Avenue St Paul, MN 55105 <i>Structural and Biochemical Studies of DNA Packaging in Double-Stranded DNA Viruses</i> \$35,000 00		\$0 00	\$35,000 00	\$0 00	\$19,102 00	\$15,898 00
2/15/2014 ID: 22673						
2/15/2014 ID: 22679						
2/15/2014 ID: 22706						
2/15/2014 ID: 22717						

Fiscal Year 2014

Recipient and/or Purpose	Tax Status	Beginning Balance 2014	Newly Allocated 2014	Amended 2014	Amount Paid 2014	Ending Balance 2014
Occidental College 1600 Campus Road Los Angeles, CA 90041 <i>Wired P450 Electrodes for Bioelectrocatalysis</i> \$75,000 00 2/15/2014 ID. 22732		\$0 00	\$75,000 00	\$0 00	\$44,352 00	\$30,648 00
Texas A&M University, Commerce 2600 S Neal Street Commerce, TX 75429-3011 <i>The Impact of Short-range Correlations in Nuclear Matter on the Equation of State, Composition and Dynamics of Neutron Stars</i> \$35,000 00 2/15/2014 ID. 22741		\$0 00	\$35,000 00	\$0 00	\$20,509 00	\$14,491 00
California State University, Fullerton 800 N State College Blvd P O Box 34080 Fullerton, CA 92834-6850 <i>Developing a Numerical Injection Analysis Pipeline for Gravitational Waves from Merging Black Holes and Neutron Stars</i> \$75,000 00 2/15/2014 ID. 22743		\$0 00	\$75,000 00	\$0 00	\$45,796 00	\$29,204 00
Suffolk University 8 Ashburton Place Boston, MA 02108-2701 <i>Regulation of ClpXP Degradation During Starvation</i> \$35,000 00 2/15/2014 ID. 22745		\$0 00	\$35,000 00	\$0 00	\$18,842 00	\$16,158 00

Fiscal Year 2014

Recipient and/or Purpose	Tax Status	Beginning Balance 2014	Newly Allocated 2014	Amended 2014	Amount Paid 2014	Ending Balance 2014
Massachusetts Institute of Technology 77 Massachusetts Avenue Cambridge, MA 02139 <i>Teaching Sponges New Tricks</i> <i>Self-Assembly. Charge Transport, and</i> <i>Electric Conductivity in Microporous</i> <i>Metal-Organic Frameworks</i> \$75,000 00		\$0 00	\$75,000.00	\$0 00	\$72,500 00	\$2,500 00
1/10/2014 ID: 22758						
Johns Hopkins University 242 Garland Hall Baltimore, MD 21218 <i>Superconductivity From Discovery to</i> <i>Rational Design</i> \$75,000 00		\$0.00	\$75,000 00	\$0.00	\$72,500.00	\$2,500 00
1/10/2014 ID: 22763						
University of Colorado at Boulder 914 Broadway Boulder, CO 80309 <i>Measuring Micromechanical Motion at</i> <i>Quantum Limits and Identifying Successful</i> <i>Attributes of Undergraduate Research in</i> <i>Large Physics Departments</i> \$75,000 00		\$0.00	\$75,000 00	\$0 00	\$72,500 00	\$2,500 00
1/10/2014 ID: 22769						
University of Washington Department of Chemistry 301 Gerberding Hall Seattle, WA 98195 <i>Quantitative Assessment of Flex Activation</i> <i>in Polymer Mechanochemistry</i> \$75,000 00		\$0 00	\$75,000.00	\$0 00	\$72,500 00	\$2,500 00
1/10/2014 ID: 22784						

Fiscal Year 2014

Recipient and/or Purpose	Tax Status	Beginning Balance 2014	Newly Allocated 2014	Amended 2014	Amount Paid 2014	Ending Balance 2014
North Carolina State University 20 Watauga Club Drive Raleigh, NC 27695 <i>The Origin of the Heaviest Nuclei in the Universe</i> \$75,000 00 1/10/2014 ID 22787		\$0 00	\$75,000 00	\$0 00	\$72,500 00	\$2,500 00
University of Denver 2199 S University Blvd. Denver, CO 80208-0001 <i>Towards a Mechanistic Understanding of Cell Intercalation in Germ-Band Extension</i> \$75,000 00 1/10/2014 ID 22790		\$0 00	\$75,000 00	\$0 00	\$72,500 00	\$2,500 00
University of Washington Department of Chemistry 301 Gerberding Hall Seattle, WA 98195 <i>Valley Quantum Optoelectronics of Monolayer Semiconductors</i> \$75,000 00 1/10/2014 ID 22797		\$0 00	\$75,000 00	\$0 00	\$72,500 00	\$2,500 00
Rice University 6500 Main Street Houston, TX 77005 <i>Superconductivity in Strange Metals Some Like It Hot</i> \$75,000 00 1/10/2014 ID 22799		\$0 00	\$75,000 00	\$0 00	\$72,500 00	\$2,500 00

Fiscal Year 2014

Recipient and/or Purpose	Tax Status	Beginning Balance 2014	Newly Allocated 2014	Amended 2014	Amount Paid 2014	Ending Balance 2014
University of California, Irvine 510 Aldrich Hall Irvine, CA 92697 <i>Expanding the Bioluminescent Toolbox for Visualizing Metastatic Disease</i> \$75,000.00 1/10/2014 ID 22801		\$0.00	\$75,000.00	\$0.00	\$72,500.00	\$2,500.00
University of Oregon 1585 E. 13th Avenue Eugene, OR 97403 <i>Materials for Solar Water Splitting Advancing Undergraduate Research and Controlling Chemistry and Charge Transport at Interfaces</i> \$75,000.00 1/10/2014 ID 22802		\$0.00	\$75,000.00	\$0.00	\$72,500.00	\$2,500.00
University of Pennsylvania 3451 Walnut Street Philadelphia, PA 19104 <i>What Every Undergraduate Should Learn About Electronic Relaxation</i> \$75,000.00 1/10/2014 ID 22822		\$0.00	\$75,000.00	\$0.00	\$72,500.00	\$2,500.00
University of Florida 355 Tigert Hall Gainesville, FL 32611 <i>Chemical Communication in C. Elegans and Incorporation of Natural Products Discovery into the Classroom</i> \$75,000.00 1/10/2014 ID 22844		\$0.00	\$75,000.00	\$0.00	\$72,500.00	\$2,500.00

Fiscal Year 2014

Recipient and/or Purpose	Tax Status	Beginning Balance 2014	Newly Allocated 2014	Amended 2014	Amount Paid 2014	Ending Balance 2014
Flowing Wells High School 3725 N Flowing Wells Road Tucson, AZ 85705 3D Printing in High School Science and Engineering Classes \$4,943.00 2/1/2014 ID. 22848		\$0 00	\$4,943 00	\$0 00	\$4,943 00	\$0 00
Indiana University at Bloomington 750 E. Kirkwood Avenue Bloomington, IN 47405 Targeting a New Product for Electrocatalytic CO2 Reduction Formaldehyde \$50,000 00 11/15/2013 ID: 22853		\$50,000 00	\$0 00	\$0.00	\$50,000 00	\$0 00
Arizona State University PO Box 871006 Tempe, AZ 85287 Targeting a New Product for Electrocatalytic CO2 Reduction Formaldehyde \$50,000 00 11/15/2013 ID. 22854		\$50,000 00	\$0 00	\$0 00	\$50,000 00	\$0 00
University of Utah 201 Presidents Circle Salt Lake City, UT 84112 Spectrum Splitting for Low-Cost Hybrid PV/Solar Thermal Generation \$25,000 00 11/15/2013 ID. 22855		\$25,000 00	\$0 00	\$0.00	\$25,000.00	\$0 00

Fiscal Year 2014

Recipient and/or Purpose	Tax Status	Beginning Balance 2014	Newly Allocated 2014	Amended 2014	Amount Paid 2014	Ending Balance 2014
Pennsylvania State University, University Park 201 Old Main University Park, PA 16802 <i>Spectrum Splitting for Low-Cost Hybrid PV/Solar Thermal Generation</i> \$25,000.00 11/15/2013 ID: 22856		\$25,000.00	\$0.00	\$0.00	\$25,000.00	\$0.00
University of Southern California University Park Campus Los Angeles, CA 90089 <i>Investigation into Interfacial States in Hybrid Polymer Nanocrystal Solar Cells - Finding a Path to High Efficiencies</i> \$33,000.00 11/15/2013 ID: 22859		\$33,000.00	\$0.00	\$0.00	\$33,000.00	\$0.00
University of Southern California University Park Campus Los Angeles, CA 90089 <i>Investigation into Interfacial States in Hybrid Polymer Nanocrystal Solar Cells - Finding a Path to High Efficiencies</i> \$33,000.00 11/15/2013 ID: 22860		\$33,000.00	\$0.00	\$0.00	\$33,000.00	\$0.00
University of California, Davis One Shields Avenue Davis, CA 95616 <i>Investigation into Interfacial States in Hybrid Polymer Nanocrystal Solar Cells - Finding a Path to High Efficiencies</i> \$34,000.00 11/15/2013 ID: 22861		\$34,000.00	\$0.00	\$0.00	\$34,000.00	\$0.00

Fiscal Year 2014

Recipient and/or Purpose	Tax Status	Beginning Balance 2014	Newly Allocated 2014	Amended 2014	Amount Paid 2014	Ending Balance 2014
Colorado School of Mines Department of Physics 1500 Illinois Street Golden, CO 80401 <i>Silicon Diselenide 4 1 7 eV Solar Absorber for Tandem Silicon Photovoltaics</i> \$25,000 00 11/15/2013 ID 22868		\$25,000 00	\$0 00	\$0 00	\$25,000 00	\$0 00
Pennsylvania State University, University Park 201 Old Main University Park, PA 16802 <i>Silicon Diselenide 4 1 7 eV Solar Absorber for Tandem Silicon Photovoltaics</i> \$25,000 00 11/15/2013 ID: 22869		\$25,000 00	\$0 00	\$0 00	\$25,000 00	\$0 00
Colorado School of Mines Department of Physics 1500 Illinois Street Golden, CO 80401 <i>Silicon Diselenide 4 1 7 eV Solar Absorber for Tandem Silicon Photovoltaics</i> \$25,000 00 11/15/2013 ID 22870		\$25,000.00	\$0.00	\$0 00	\$25,000 00	\$0.00
Colorado School of Mines Department of Physics 1500 Illinois Street Golden, CO 80401 <i>Silicon Diselenide 4 1 7 eV Solar Absorber for Tandem Silicon Photovoltaics</i> \$25,000 00 11/15/2013 ID 22871		\$25,000 00	\$0 00	\$0 00	\$25,000.00	\$0.00

Fiscal Year 2014

Recipient and/or Purpose	Tax Status	Beginning Balance 2014	Newly Allocated 2014	Amended 2014	Amount Paid 2014	Ending Balance 2014
Andrada Polytechnic High School 12960 South Houghton Road Tucson, AZ 85747 <i>The Culture Club Growing Eukaryotic Cells in a High School BioScience Classroom</i> \$4,000 00 2/1/2014 ID: 22877		\$0 00	\$4,000 00	\$0 00	\$4,000 00	\$0 00
Catalina Magnet High School 3645 E Pima Street Tucson, AZ 85716-3399 <i>Science Technology Engineering Mathematics Relevant Educational Vanguard (STEM REV)</i> \$6,884 00 2/1/2014 ID: 22878		\$0 00	\$6,984 00	(\$100 00)	\$6,884 00	\$0 00
University of Arizona 1401 E University Blvd. Tucson, AZ 85721 <i>Temporal variation in oviposition activity of Aedes aegypti mosquitoes in the Sonoran desert region and dengue transmission risk</i> \$14,000 00 2/1/2014 ID: 22880		\$0 00	\$14,000 00	\$0 00	\$14,000 00	\$0 00
University of Arizona 1401 E University Blvd Tucson, AZ 85721 <i>Spin-dependent transport of electrons in magnetic tunnel junction</i> \$14,000 00 2/1/2014 ID: 22883		\$0 00	\$14,000 00	\$0 00	\$14,000 00	\$0 00

Fiscal Year 2014

Recipient and/or Purpose	Tax Status	Beginning Balance 2014	Newly Allocated 2014	Amended 2014	Amount Paid 2014	Ending Balance 2014
University of Arizona Foundation 1111 N Cherry Avenue Tucson, AZ 85721 <i>Using Isotopic Analysis to Determine Historic Husbandry Practices at Los Santos Angeles de Guevavi Mission</i> \$14,000 00 2/1/2014 ID: 22884		\$0 00	\$14,000 00	\$0 00	\$14,000 00	\$0.00
University of Arizona Foundation 1111 N Cherry Avenue Tucson, AZ 85721 <i>Predicting Changes in Vegetation and Wildfire Patterns in the Context of a Warming Climate in the Catalina-Rincon Mountains, Arizona</i> \$14,000 00 2/1/2014 ID: 22885		\$0 00	\$14,000.00	\$0 00	\$14,000 00	\$0.00
Mount Holyoke College 50 College Street South Hadley, MA 01075-1445 <i>Multicanonical simulations of protein aggregation the role of the potential energy surface in oligomer and fibril formation</i> \$5,383.00 1/31/2014 ID: 22886		\$0 00	\$5,383.00	\$0 00	\$5,383.00	\$0.00
Southern Arizona Regional Science & Engineering Fair (SARSEF) 3247 N Christmas Avenue Tucson, AZ 85716 SARSEF \$5,000 00 2/20/2014 ID: 22888	501c(3)	\$0 00	\$5,000 00	\$0 00	\$5,000 00	\$0.00

Fiscal Year 2014

Recipient and/or Purpose	Tax Status	Beginning Balance 2014	Newly Allocated 2014	Amended 2014	Amount Paid 2014	Ending Balance 2014
Georgia Tech Foundation, Inc. 760 Spring Street, NW Suite 400 Atlanta, GA 30308 <i>2014 ACS Award in Honor of Rigoberto Hernandez</i> \$1,000 00		\$0 00	\$1,000 00	\$0 00	\$1,000 00	\$0 00
2/18/2014 ID 22889						
American Chemical Society 1155 Sixteenth Street NW Washington, DC 20036 <i>Sponsorship of DIC-ACS Young Investigator Award</i> \$1,000 00	501c(3)	\$0 00	\$1,000 00	\$0 00	\$1,000 00	\$0 00
3/5/2014 ID: 22890						
University of North Carolina at Asheville One University Heights Asheville, NC 28804 <i>ACS Award for Research at an Undergraduate Institution</i> \$5,000 00		\$0 00	\$5,000 00	\$0 00	\$5,000 00	\$0 00
3/24/2014 ID 22892						
Ohio State University Foundation 1480 West Lane Avenue Columbus, OH 43221 <i>Friends of the Planetarium - Fund #314463</i> \$5,000 00	501c(3)	\$0 00	\$5,000.00	\$0.00	\$5,000 00	\$0 00
4/23/2014 ID 22893						
University of Massachusetts, Amherst 300 Massachusetts Avenue Amherst, MA 01003 <i>Massachusetts Center for Renaissance Studies</i> \$1,500 00		\$0 00	\$1,500.00	\$0 00	\$1,500.00	\$0 00
5/13/2014 ID 22895						

Fiscal Year 2014

Recipient and/or Purpose	Tax Status	Beginning Balance 2014	Newly Allocated 2014	Amended 2014	Amount Paid 2014	Ending Balance 2014
University of Massachusetts, Amherst 300 Massachusetts Avenue Amherst, MA 01003 <i>Donation to the Dept of Physics in Honor of Dr Robert Hallock, RCSA Emeritus Director</i> \$2,000.00 5/13/2014 ID 22896		\$0 00	\$2,000 00	\$0 00	\$2,000 00	\$0 00
University of Vermont 194 S. Prospect Street Burlington, VT 05405 <i>Cottrell Scholars Collaborative New Faculty Workshop</i> \$15,000 00 5/14/2014 ID. 22897		\$0 00	\$15,000.00	\$0 00	\$15,000 00	\$0 00
Dakin Humane Society PO Box 6307 Springfield, MA 01101-6307 <i>Donation to the Dakin Humane Society in Honor of Dr Robert Hallock</i> \$1,500 00 5/14/2014 ID 22898		\$0 00	\$1,500 00	\$0 00	\$1,500 00	\$0 00
American Chemical Society 1155 Sixteenth Street NW Washington, DC 20036 <i>ACS Organic Chemistry Fall 2014 Symposium</i> \$1,000.00 5/16/2014 ID 22899	501c(3)	\$0 00	\$1,000.00	\$0.00	\$1,000.00	\$0 00
Science Friday Initiative 19 West 44th Street, Suite 412 New York, NY 10036 <i>Support for Science Friday Initiative</i> \$25,000 00 5/16/2014 ID: 22900		\$0.00	\$25,000.00	\$0.00	\$25,000.00	\$0.00

Fiscal Year 2014

Recipient and/or Purpose	Tax Status	Beginning Balance 2014	Newly Allocated 2014	Amended 2014	Amount Paid 2014	Ending Balance 2014
American Institute of Physics One Physics Ellipse College Park, MD 20740-3843 <i>New Faculty Workshops for Participants from HBCUs & MSIs</i> \$18,000.00 5/19/2014 ID: 22901		\$0.00	\$18,000.00	\$0.00	\$18,000.00	\$0.00
Institute of Electrical and Electronics Engineers 445 Hoes Lane Piscataway, NJ 08854-4141 <i>Support for Summer Science Series"</i> \$1,500.00 5/23/2014 ID: 22902		\$0.00	\$1,500.00	\$0.00	\$1,500.00	\$0.00
Arizona Public Media 1423 University Blvd P O Box 210067 Tucson, AZ 85721-0067 <i>AZ Public Media Annual Program Sponsorship</i> \$25,000.00 5/28/2014 ID: 22903		\$0.00	\$25,000.00	\$0.00	\$25,000.00	\$0.00
Institute for Science & Interdisciplinary Studies 893 West Street Hampshire College Amherst, MA 01002 <i>Anacapa Society & KITP Workshop - June 2015</i> \$5,000.00 7/11/2014 ID: 23335		\$0.00	\$5,000.00	\$0.00	\$5,000.00	\$0.00
University of Arizona Foundation <i>Star & Planet Formation in the Southwest Conference</i> \$25,000.00 7/15/2014 ID: 23336		\$0.00	\$25,000.00	\$0.00	\$25,000.00	\$0.00

Fiscal Year 2014

Recipient and/or Purpose	Tax Status	Beginning Balance 2014	Newly Allocated 2014	Amended 2014	Amount Paid 2014	Ending Balance 2014
Moravian College Office of the President 1200 Main Street Bethlehem, PA 18018 <i>Chemical Biodegradation of Pesticides</i> \$17,879.00 7/17/2014 ID: 23338		\$0 00	\$17,879 00	\$0 00	\$17,879 00	\$0 00
Rice University 6500 Main Street Houston, TX 77005 <i>The Quantum Flip</i> \$25,000 00 8/1/2014 ID: 23341		\$0 00	\$25,000 00	\$0 00	\$25,000 00	\$0 00
Georgia Institute of Technology 225 North Avenue Atlanta, GA 30332 <i>Academic Leader Training</i> \$25,000 00 8/1/2014 ID: 23342	501c(3)	\$0 00	\$25,000.00	\$0.00	\$25,000 00	\$0 00
University of Houston 4800 Calhoun Boulevard Houston, TX 77204 <i>3D-MoChI: Three-Dimensional Models for Chemistry Instruction</i> \$25,000 00 8/1/2014 ID: 23343		\$0 00	\$25,000.00	\$0 00	\$25,000.00	\$0 00
Michigan State University 220 Throbridge Road East Lansing, MI 48824 <i>Assessing Innovations in Science Education</i> \$25,000 00 8/1/2014 ID: 23344		\$0 00	\$25,000.00	\$0 00	\$25,000 00	\$0 00

Fiscal Year 2014

Recipient and/or Purpose	Tax Status	Beginning Balance 2014	Newly Allocated 2014	Amended 2014	Amount Paid 2014	Ending Balance 2014
American Chemical Society 1155 Sixteenth Street NW Washington, DC 20036 <i>ACS Award for Research at an Undergraduate Institution - Sponsorship</i> \$5,000 00	501c(3)	\$0 00	\$5,000 00	\$0 00	\$5,000 00	\$0 00
Trinity University One Trinity Place San Antonio, TX 78212 <i>Regulation of the essential splicing helicase Brr2 by U5 snRNP proteins during spliceosome assembly</i> \$9,581 00		\$0 00	\$9,581 00	\$0 00	\$9,581 00	\$0 00
10/10/2014 ID: 23451						
Texas A&M University 401 Joe Routt Boulevard College Station, TX 77843 <i>Towards a Tunable Platform for Exploring Band Alignment and Mediating Efficient Charge Transfer Combining Quantum Confinement with Mid-Gap States</i> \$73,476 00		\$0 00	\$73,476 00	\$0 00	\$73,476 00	\$0 00
9/1/2014 ID: 23452						
National Academy of Sciences 500 Fifth Street NW Washington, DC 20001 <i>John Schaefer Fund at the NAS</i> \$1,625,000 00		\$0 00	\$1,625,000 00	\$0.00	\$1,625,000 00	\$0 00
9/4/2014 ID: 23453						

Fiscal Year 2014

Recipient and/or Purpose	Tax Status	Beginning Balance 2014	Newly Allocated 2014	Amended 2014	Amount Paid 2014	Ending Balance 2014
University of Arizona BECUR BECUR Conference University of Arizona Biological Sciences West, Room 342A2 PO Box 210088 Tucson, AZ 85721-0088 <i>BECUR Conference 2015</i> \$500.00		\$0.00	\$500.00	\$0.00	\$500.00	\$0.00
9/17/2014 ID: 23454						
University of Arizona Foundation 1111 N. Cherry Avenue Tucson, AZ 85721 <i>College of Science - Support for 2014 Arizona Daily Star Supplement & 2015 Lecture Series</i> \$20,000.00		\$0.00	\$20,000.00	\$0.00	\$20,000.00	\$0.00
11/18/2014 ID: 23455						
American Society for Biochemistry and Molecular Biology (ASBMB) 11200 Rockville Pike, Suite 302 Rockville, MD 20852-3110 <i>ASBMB Transforming Education in the Molecular Life Science Conference"</i> \$1,500.00		\$0.00	\$1,500.00	\$0.00	\$1,500.00	\$0.00
11/20/2014 ID: 23456						
Indiana University at Bloomington 750 E. Kirkwood Avenue Bloomington, IN 47405 <i>Light-Mediated Strain as an Adaptive Tool Toward Efficient Catalysis</i> \$20,000.00		\$0.00	\$20,000.00	\$0.00	\$0.00	\$20,000.00
11/15/2014 ID: 23457						

Fiscal Year 2014

Recipient and/or Purpose	Tax Status	Beginning Balance 2014	Newly Allocated 2014	Amended 2014	Amount Paid 2014	Ending Balance 2014
University of Arizona 1401 E University Blvd Tucson, AZ 85721 <i>Light-Mediated Strain as an Adaptive Tool Toward Efficient Catalysis</i> \$80,000 00 11/15/2014 ID: 23458		\$0 00	\$80,000 00	\$0 00	\$0 00	\$80,000 00
University of Oregon 1585 E 13th Avenue Eugene, OR 97403 <i>Scalable Tandem Architecture for Solar Water Splitting</i> \$50,000 00 11/15/2014 ID: 23459		\$0 00	\$50,000 00	\$0 00	\$0 00	\$50,000 00
Arizona State University PO Box 871006 Tempe, AZ 85287 <i>Scalable Tandem Architecture for Solar Water Splitting</i> \$50,000 00 11/15/2014 ID: 23460		\$0 00	\$50,000 00	\$0 00	\$0 00	\$50,000 00
Colorado State University 200 W Lake Street Fort Collins, CO 80523-1371 <i>What's Inside a Perovskite Solar Cell? Learning from (Local) Structure to Design Better Perovskite Solar Cells</i> \$33,334.00 11/15/2014 ID: 23461		\$0 00	\$33,334.00	\$0.00	\$0.00	\$33,334 00

Fiscal Year 2014

Recipient and/or Purpose	Tax Status	Beginning Balance 2014	Newly Allocated 2014	Amended 2014	Amount Paid 2014	Ending Balance 2014
University of Southern California University Park Campus Los Angeles, CA 90089 <i>What's Inside a Perovskite Solar Cell?</i> <i>Learning from (Local) Structure to Design Better Perovskite Solar Cells</i> \$33,333 00		\$0.00	\$33,333.00	\$0.00	\$0.00	\$33,333 00
11/15/2014 ID 23462						
Texas A&M University 401 Joe Routh Boulevard College Station, TX 77843 <i>What's Inside a Perovskite Solar Cell?</i> <i>Learning from (Local) Structure to Design Better Perovskite Solar Cells</i> \$33,333 00		\$0.00	\$33,333 00	\$0.00	\$0.00	\$33,333 00
11/15/2014 ID 23463						
Georgia State University 33 Gilmer Street Atlanta, GA 30302 <i>Emerging Au-VO2 Nanocomposites as a Potentially Switchable CO2 Catalyst</i> \$33,334 00		\$0.00	\$33,334 00	\$0.00	\$0.00	\$33,334 00
11/15/2014 ID 23464						
University of Maryland, College Park 1101 Main Administration Bldg College Park, MD 20742 <i>Emerging Au-VO2 Nanocomposites as a Potentially Switchable CO2 Catalyst</i> \$33,333 00		\$0.00	\$33,333 00	\$0.00	\$0.00	\$33,333 00
11/15/2014 ID 23465						

Fiscal Year 2014

Recipient and/or Purpose	Tax Status	Beginning Balance 2014	Newly Allocated 2014	Amended 2014	Amount Paid 2014	Ending Balance 2014
Vanderbilt University 211 Kirkland Hall Nashville, TN 37240 <i>Emerging Au-VO2 Nanocomposites as a Potentially Switchable CO2 Catalyst</i> \$33,333.00		\$0.00	\$33,333.00	\$0.00	\$0.00	\$33,333.00
11/15/2014 ID. 23466						
Grand Total (145 items)		\$964,875.00	\$5,030,746.00	(\$146,483.00)	\$4,636,562.00	\$1,212,576.00
Adjustments					\$ 40,064.00	-\$ 20,000.00
Other charitable contributions (see below)					\$ 52,435.00	\$ 0.00
ADJUSTED TOTAL TO PART XV, LINES 3A AND 3B						
Other Charitable Contributions:						
Angel Charity for Children, Inc.		10,000.00				
Arizona Friends of Chamber Music		1,000.00				
Arizona Sonora Desert Museum		2,500.00				
Children's Museum Tucson		5,000.00				
Community Food Bank		4,605.00				
Educational Enrichment Foundation		8,750.00				
Hospice and Community Care		50.00				
JB Wright Elementary School		2,970.00				
Rice University/King Walters Research Fund		100.00				
Tucson Festival of Books		10,000.00				
United Way of Tucson		3,460.00				
University of Arizona Foundation		1,500.00				
YMCA of Southern Arizona		2,500.00				
Total Other Charitable Contributions		52,435.00				

- If you are filing for an **Additional (Not Automatic) 3-Month Extension**, complete only **Part II** and check this box ☒

Note. Only complete Part II if you have already been granted an automatic 3-month extension on a previously filed Form 8868

- If you are filing for an **Automatic 3-Month Extension**, complete only **Part I** (on page 1)

Part II Additional (Not Automatic) 3-Month Extension of Time. Only file the original (no copies needed)

Type or print	Enter filer's identifying number, see instructions	
Name of exempt organization or other filer, see instructions RESEARCH CORPORATION DBA RESEARCH CORPORATION FOR SCIENCE ADVANCEMENT	Employer identification number (EIN) or 13-1963407	
Number, street, and room or suite no. If a P.O. box, see instructions 4703 EAST CAMP LOWELL DRIVE, NO. 201	Social security number (SSN)	
City, town or post office, state, and ZIP code. For a foreign address, see instructions TUCSON, AZ 85712		

Enter the Return code for the return that this application is for (file a separate application for each return)

04

Application Is For	Return Code	Application Is For	Return Code
Form 990 or Form 990-EZ	01		
Form 990-BL	02	Form 1041-A	08
Form 4720 (individual)	03	Form 4720 (other than individual)	09
Form 990-PF	04	Form 5227	10
Form 990-T (sec. 401(a) or 408(a) trust)	05	Form 6069	11
Form 990-T (trust other than above)	06	Form 8870	12

STOP! Do not complete Part II if you were not already granted an automatic 3-month extension on a previously filed Form 8868.

DANNY GASCH, CFO

- The books are in the care of **4703 EAST CAMP LOWELL DRIVE, NO. 201 - TUCSON, AZ 85712**

Telephone No **520-571-1111**

Fax No

- If the organization does not have an office or place of business in the United States, check this box ☐

- If this is for a Group Return, enter the organization's four digit Group Exemption Number (GEN) _____ If this is for the whole group, check this box ☐ If it is for part of the group, check this box ☐ and attach a list with the names and EINs of all members the extension is for

4 I request an additional 3-month extension of time until **NOVEMBER 15, 2015**

5 For calendar year **2014**, or other tax year beginning _____, and ending _____

6 If the tax year entered in line 5 is for less than 12 months, check reason ☐ Initial return ☐ Final return

☐ Change in accounting period

7 State in detail why you need the extension

ADDITIONAL TIME IS NEEDED TO COMPILE THE NECESSARY INFORMATION TO FILE A COMPLETE AND ACCURATE RETURN.

8a If this application is for Forms 990-BL, 990-PF, 990-T, 4720, or 6069, enter the tentative tax, less any nonrefundable credits. See instructions	8a	\$	0.
b If this application is for Forms 990-PF, 990-T, 4720, or 6069, enter any refundable credits and estimated tax payments made. Include any prior year overpayment allowed as a credit and any amount paid previously with Form 8868	8b	\$	0.
c Balance due. Subtract line 8b from line 8a. Include your payment with this form, if required, by using EFTPS (Electronic Federal Tax Payment System). See instructions	8c	\$	0.

Signature and Verification must be completed for Part II only.

Under penalties of perjury, I declare that I have examined this form, including accompanying schedules and statements, and to the best of my knowledge and belief, it is true, correct, and complete, and that I am authorized to prepare this form.

Signature

Title **CPA**

Date

8-13-15

Form 8868 (Rev. 1-2014)

Application for Extension of Time To File an Exempt Organization Return

OMB No 1545-1709

Department of the Treasury
Internal Revenue Service

► File a separate application for each return.

► Information about Form 8868 and its instructions is at www.irs.gov/form8868.

- If you are filing for an **Automatic 3-Month Extension**, complete only **Part I** and check this box ☒
- If you are filing for an **Additional (Not Automatic) 3-Month Extension**, complete only **Part II** (on page 2 of this form)

Do not complete Part II unless you have already been granted an automatic 3-month extension on a previously filed Form 8868

Electronic filing (e-file). You can electronically file Form 8868 if you need a 3-month automatic extension of time to file (6 months for a corporation required to file Form 990-T), or an additional (not automatic) 3-month extension of time. You can electronically file Form 8868 to request an extension of time to file any of the forms listed in Part I or Part II with the exception of Form 8870, Information Return for Transfers Associated With Certain Personal Benefit Contracts, which must be sent to the IRS in paper format (see instructions). For more details on the electronic filing of this form, visit www.irs.gov/efile and click on *e-file for Charities & Nonprofits*.

Part I Automatic 3-Month Extension of Time. Only submit original (no copies needed).

A corporation required to file Form 990-T and requesting an automatic 6-month extension - check this box and complete Part I only ☐

All other corporations (including 1120-C filers), partnerships, REMICs, and trusts must use Form 7004 to request an extension of time to file income tax returns.

		Enter filer's identifying number
Type or print	Name of exempt organization or other filer, see instructions. RESEARCH CORPORATION FOR SCIENCE ADVANCEMENT	Employer identification number (EIN) or 13-1963407
	Number, street, and room or suite no. If a P.O. box, see instructions. 4703 EAST CAMP LOWELL DRIVE, NO. 201	Social security number (SSN)
	City, town or post office, state, and ZIP code. For a foreign address, see instructions. TUCSON, AZ 85712	

Enter the Return code for the return that this application is for (file a separate application for each return)

04

Application Is For	Return Code	Application Is For	Return Code
Form 990 or Form 990-EZ	01	Form 990-T (corporation)	07
Form 990-BL	02	Form 1041-A	08
Form 4720 (individual)	03	Form 4720 (other than individual)	09
Form 990-PF	04	Form 5227	10
Form 990-T (sec. 401(a) or 408(a) trust)	05	Form 6069	11
Form 990-T (trust other than above)	06	Form 8870	12

DANNY GASCH, CFO

- The books are in the care of ► **4703 EAST CAMP LOWELL DRIVE, NO. 201 - TUCSON, AZ 85712**
Telephone No ► **520-571-1111** Fax No ► _____

- If the organization does not have an office or place of business in the United States, check this box ☐
- If this is for a Group Return, enter the organization's four digit Group Exemption Number (GEN) _____ If this is for the whole group, check this box ☐. If it is for part of the group, check this box ☐ and attach a list with the names and EINs of all members the extension is for

- 1 I request an automatic 3 month (6 months for a corporation required to file Form 990-T) extension of time until **AUGUST 15, 2015**, to file the exempt organization return for the organization named above. The extension is for the organization's return for:
► ☒ calendar year **2014** or
► ☐ tax year beginning _____, and ending _____

- 2 If the tax year entered in line 1 is for less than 12 months, check reason ☐ Initial return ☐ Final return
☐ Change in accounting period

3a If this application is for Forms 990-BL, 990-PF, 990-T, 4720, or 6069, enter the tentative tax, less any nonrefundable credits. See instructions.	3a	\$	0.
b If this application is for Forms 990-PF, 990-T, 4720, or 6069, enter any refundable credits and estimated tax payments made. Include any prior year overpayment allowed as a credit.	3b	\$	0.
c Balance due. Subtract line 3b from line 3a. Include your payment with this form, if required, by using EFTPS (Electronic Federal Tax Payment System). See instructions.	3c	\$	0.

Caution. If you are going to make an electronic funds withdrawal (direct debit) with this Form 8868, see Form 8453-EO and Form 8879-EO for payment instructions.