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Return of Private Foundation
or Section 4947(a)(1) Nonexempt Charitable Trust
Treated as a Private Foundation

Note. The foundation may be able to use a copy of this return to satisfy state reporting requirements.

2012

Open to public inspection

For calendar year 2012 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 E. Camp Lowell	Room/suite 201	B Telephone number 520-571-1111
City or town, state, and ZIP 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) \$ 146,724,496. (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		664,306.			
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		3,786,613.	3,786,613.	3,786,613.	Statement 1
5a Gross rents		<59,976.>	<59,976.>	<59,976.>	Statement 2
b Net rental income or (loss)		<59,976.>			
6a Net gain or (loss) from sale of assets not on line 10		5,538,184.			
b Gross sales price for all assets on line 6a		5,538,184.			
7 Capital gain net income (from Part IV, line 2)			5,538,184.		
8 Net short-term capital gain				1,425,405.	
9 Income modifications					
10a Gross sales less returns and allowances					
b Less Cost of goods sold					
c Gross profit or (loss)					
11 Other income		4,761,955.	<418,902.>	4,761,955.	Statement 3
12 Total. Add lines 1 through 11		14,691,082.	8,845,919.	9,913,997.	
13 Compensation of officers, directors, trustees, etc.		577,400.	28,214.	0.	549,186.
14 Other employee salaries and wages		906,580.	0.	0.	906,580.
15 Pension plans, employee benefits		337,799.	4,011.	0.	333,788.
16a Legal fees Stmt 4		82,229.	0.	0.	82,229.
b Accounting fees Stmt 5		51,250.	0.	0.	51,250.
c Other professional fees Stmt 6		985,245.	25,625.	0.	959,620.
17 Interest					
18 Taxes Stmt 7		130,750.	0.	0.	88,613.
19 Depreciation and depletion		66,701.	0.	0.	
20 Occupancy		240,570.	5,270.	0.	235,300.
21 Travel, conferences, and meetings		355,867.	6,380.	0.	349,487.
22 Printing and publications		11,719.	0.	0.	11,719.
23 Other expenses Stmt 8		836,967.	144,406.	0.	816,935.
24 Total operating and administrative expenses. Add lines 13 through 23		4,583,077.	213,906.	0.	4,384,707.
25 Contributions, gifts, grants paid		3,144,657.			4,169,828.
26 Total expenses and disbursements. Add lines 24 and 25		7,727,734.	213,906.	0.	8,554,535.
27 Subtract line 26 from line 12:					
a Excess of revenue over expenses and disbursements		6,963,348.			
b Net investment income (if negative, enter -0-)			8,632,013.		
c Adjusted net income (if negative, enter -0-)				9,913,997.	

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Part II Balance Sheets

Attached schedules and amounts in the description column should be for end-of-year amounts only

		Beginning of year	End of year	
		(a) Book Value	(b) Book Value	(c) Fair Market Value
Assets	1 Cash - non-interest-bearing	2,283,531.	1,584,904.	1,584,904.
	2 Savings and temporary cash investments			
	3 Accounts receivable ▶			
	Less: allowance for doubtful accounts ▶			
	4 Pledges receivable ▶			
	Less: allowance for doubtful accounts ▶			
	5 Grants receivable			
	6 Receivables due from officers, directors, trustees, and other disqualified persons			
	7 Other notes and loans receivable ▶ <u>1,841,045.</u>			
	Less: allowance for doubtful accounts ▶ <u>0.</u>	1,730,389.	1,841,045.	1,841,045.
	8 Inventories for sale or use			
	9 Prepaid expenses and deferred charges			
	10a Investments - U.S. and state government obligations			
	b Investments - corporate stock Stmt 10	57,539,734.	66,290,504.	66,290,504.
	c Investments - corporate bonds			
Liabilities	11 Investments - land, buildings, and equipment basis ▶			
	Less accumulated depreciation ▶			
	12 Investments - mortgage loans			
	13 Investments - other Stmt 11	66,048,857.	76,571,782.	76,571,782.
	14 Land, buildings, and equipment basis ▶ <u>798,191.</u>			
	Less accumulated depreciation Stmt 12 ▶ <u>744,931.</u>	119,961.	53,260.	53,260.
	15 Other assets (describe ▶ <u>Statement 13</u>)	439,285.	383,001.	383,001.
	16 Total assets (to be completed by all filers)	128,161,757.	146,724,496.	146,724,496.
	17 Accounts payable and accrued expenses	161,905.	615,172.	
	18 Grants payable	2,157,582.	1,309,249.	
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 ▶ <u>Statement 14</u>)	4,053,028.	3,475,387.	
	23 Total liabilities (add lines 17 through 22)	6,372,515.	5,399,808.	
	Foundations that follow SFAS 117, check here ▶ ☒ and complete lines 24 through 26 and lines 30 and 31.			
	24 Unrestricted	121,789,242.	140,741,645.	
	25 Temporarily restricted		37,043.	
	26 Permanently restricted		546,000.	
	Foundations that do not follow SFAS 117, check here ▶ ☐ and complete lines 27 through 31.			
Net Assets or Fund Balances	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	121,789,242.	141,324,688.	
	31 Total liabilities and net assets/fund balances	128,161,757.	146,724,496.	

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)	121,789,242.
2 Enter amount from Part I, line 27a	6,963,348.
3 Other increases not included in line 2 (itemize) ▶ <u>NET UNREALIZED GAIN ON INVESTMENTS</u>	16,190,599.
4 Add lines 1, 2, and 3	144,943,189.
5 Decreases not included in line 2 (itemize) ▶ <u>See Statement 9</u>	3,618,501.
6 Total net assets or fund balances at end of year (line 4 minus line 5) - Part II, column (b), line 30	141,324,688.

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Part IV Capital Gains and Losses for Tax on Investment Income

(a) List and describe the kind(s) of property sold (e.g., real estate, 2-story brick warehouse; or common stock, 200 shs. MLC Co.)	(b) How acquired P - Purchase D - Donation	(c) Date acquired (mo., day, yr.)	(d) Date sold (mo., day, yr.)
1a See Part IV Schedule - Statement 19	P	Various	Various
b See Part IV Schedule - Statement 19	P	Various	Various
c See Part IV Schedule - Statement 19	P	Various	Various
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 1,425,405.			1,425,405.
b 4,014,126.			4,014,126.
c 98,653.			98,653.
d			
e			

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			1,425,405.
b			4,014,126.
c			98,653.
d			
e			

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	5,538,184.
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	1,425,405.

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))
2011			
2010			
2009			
2008			
2007			

- 2** Total of line 1, column (d)
- 3** Average distribution ratio for the 5-year base period - divide the total on line 2 by 5, or by the number of years the foundation has been in existence if less than 5 years
- 4** Enter the net value of noncharitable-use assets for 2012 from Part X, line 5
- 5** Multiply line 4 by line 3
- 6** Enter 1% of net investment income (1% of Part I, line 27b)
- 7** Add lines 5 and 6
- 8** Enter qualifying distributions from Part XII, line 4
If line 8 is equal to or greater than line 7, check the box in Part VI, line 1b, and complete that part using a 1% tax rate. See the Part VI instructions.

2	
3	
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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		2	
c All other domestic foundations enter 2% of line 27b. Exempt foreign organizations enter 4% of Part I, line 12, col. (b).		3	
2 Tax under section 511 (domestic section 4947(a)(1) trusts and taxable foundations only. Others enter -0-)		4	
3 Add lines 1 and 2		5	0.
4 Subtitle A (income) tax (domestic section 4947(a)(1) trusts and taxable foundations only. Others enter -0-)		6a	
5 Tax based on investment income. Subtract line 4 from line 3. If zero or less, enter -0-		6b	
6 Credits/Payments:		6c	
a 2012 estimated tax payments and 2011 overpayment credited to 2012		6d	
b Exempt foreign organizations - tax withheld at source		7	0.
c Tax paid with application for extension of time to file (Form 8868)		8	
d Backup withholding erroneously withheld		9	0.
7 Total credits and payments. Add lines 6a through 6d		10	
8 Enter any penalty for underpayment of estimated tax. Check here ☐ if Form 2220 is attached		11	Refunded
9 Tax due. If the total of lines 5 and 8 is more than line 7, enter amount owed			
10 Overpayment. If line 7 is more than the total of lines 5 and 8, enter the amount overpaid			
11 Enter the amount of line 10 to be: Credited to 2013 estimated tax			

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
1b Did it spend more than \$100 during the year (either directly or indirectly) for political purposes (see instructions for 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
1c Did the foundation file Form 1120-POL for this year?		X
2 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, MD, MA, NY, PA, 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 2012 or the taxable year beginning in 2012 (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? Website address ► <u>WWW.RESCORP.ORG</u>	13	X	
14 The books are in care of ► <u>DANNY GASCH, CFO</u> Telephone no. ► <u>520-571-1111</u> Located at ► <u>4703 E. CAMP LOWELL, SUITE 201, TUCSON, AZ</u> ZIP+4 ► <u>85712</u>			
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 2012, did the foundation have an interest in or a signature or other authority over a bank, securities, or other financial account in a foreign country? See the instructions for exceptions and filing requirements for Form TD F 90-22.1. If "Yes," enter the name of the foreign country ►	16	Yes	No X

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

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

		Yes	No
1a During the year did the foundation (either directly or indirectly):			
(1) Engage in the sale or exchange, or leasing of property with a disqualified person? ☐ Yes ☒ No			
(2) Borrow money from, lend money to, or otherwise extend credit to (or accept it from) a disqualified person? ☐ Yes ☒ No			
(3) Furnish goods, services, or facilities to (or accept them from) a disqualified person? ☐ Yes ☒ No			
(4) Pay compensation to, or pay or reimburse the expenses of, a disqualified person? ☐ Yes ☒ No			
(5) Transfer any income or assets to a disqualified person (or make any of either available for the benefit or use of a disqualified person)? ☐ Yes ☒ No			
(6) Agree to pay money or property to a government official? (Exception. Check "No" if the foundation agreed to make a grant to or to employ the official for a period after termination of government service, if terminating within 90 days.) ☐ Yes ☒ No			
b If any answer is "Yes" to 1a(1)-(6), did any of the acts fail to qualify under the exceptions described in Regulations section 53.4941(d)-3 or in a current notice regarding disaster assistance (see instructions)? Organizations relying on a current notice regarding disaster assistance check here ► ☐	1b		X
c Did the foundation engage in a prior year in any of the acts described in 1a, other than excepted acts, that were not corrected before the first day of the tax year beginning in 2012?	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 2012, did the foundation have any undistributed income (lines 6d and 6e, Part XIII) for tax year(s) beginning before 2012? ☐ Yes ☒ No If "Yes," list the years ► _____			
b Are there any years listed in 2a for which the foundation is not applying the provisions of section 4942(a)(2) (relating to incorrect valuation of assets) to the year's undistributed income? (If applying section 4942(a)(2) to all years listed, answer "No" and attach statement - see instructions.) N/A	2b		
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? ☐ Yes ☒ No			
b If "Yes," did it have excess business holdings in 2012 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 2012.) N/A	3b		
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 2012?	4b		X

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

5a During the year did the foundation pay or incur any amount to:

- (1) Carry on propaganda, or otherwise attempt to influence legislation (section 4945(e))? ☐ Yes ☒ No
- (2) Influence the outcome of any specific public election (see section 4955); or to carry on, directly or indirectly, any voter registration drive? ☐ Yes ☒ No
- (3) Provide a grant to an individual for travel, study, or other similar purposes? ☐ Yes ☒ No
- (4) Provide a grant to an organization other than a charitable, etc., organization described in section 509(a)(1), (2), or (3), or section 4940(d)(2)? ☐ 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

5b

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?

6b

If "Yes" to 6b, file Form 8870

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 15		577,400.	365,000.	43,200.

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 OFFICER 40.00	124,500.	101,000.	12,325.
ALICIA SANCHEZ - 4703 E. CAMP LOWELL, #201, TUCSON, AZ 85712	DIR. OF STRATEGIC PARTNERSHIPS 40.00	138,950.	13,770.	13,770.
RICHARD WIENER - 4703 E. CAMP LOWELL, #201, TUCSON, AZ 85712	PROGRAM OFFICER 40.00	120,900.	13,161.	11,965.
ELAINE NATHANSON - 4703 E. CAMP LOWELL, #201, TUCSON, AZ 85712	COMMUNICATIONS DIRECTOR 40.00	92,800.	3,051.	7,650.
TOMMY GOODENOW - 4703 E. CAMP LOWELL, #201, TUCSON, AZ 85712	NETWORK ADMINISTRATOR 40.00	65,100.	7,693.	6,410.
Total number of other employees paid over \$50,000				0

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

(a) Name and address of each person paid more than \$50,000	(b) Type of service	(c) Compensation
ANGELO, GORDON & CO. 245 PARK AVENUE, NEW YORK, NY 10167	INVESTMENT MANAGEMENT	950,325.
CAPITAL GUARDIAN TRUST COMPANY P.O. BOX 35353, SANTA ANA, CA 92799-5353	INVESTMENT MANAGEMENT	140,406.
GOODMAN MEDIA - 750 SEVENTH AVENUE, 28TH FLOOR, NEW YORK, NY 10019	FUNDRAISING/MEDIA CONSULTING	115,553.
THE ACCORD GROUP - 1730 RHODE ISLAND AVENUE NW SUITE 700, WASHINGTON, DC 20036	FUNDRAISING/MEDIA CONSULTING	107,500.
CHANGING OUR WORLD - 220 EAST 42ND STREET, 5TH FLOOR, NEW YORK, NY 10017	FUNDRAISING/MEDIA CONSULTING	90,639.
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 18	
	8,554,535.
2	
3	
4	

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	88,396,615.
b Average of monthly cash balances	1b	2,168,278.
c Fair market value of all other assets	1c	56,159,603.
d Total (add lines 1a, b, and c)	1d	146,724,496.
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	146,724,496.
4 Cash deemed held for charitable activities. Enter 1 1/2% of line 3 (for greater amount, see instructions)	4	2,200,867.
5 Net value of noncharitable-use assets. Subtract line 4 from line 3. Enter here and on Part V, line 4	5	144,523,629.
6 Minimum investment return. Enter 5% of line 5	6	7,226,181.

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 2012 from Part VI, line 5	2a	
b Income tax for 2012. (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	8,554,535.
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	8,554,535.
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	8,554,535.

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 (2012)

Part XIII Undistributed Income (see instructions)

N/A

	(a) Corpus	(b) Years prior to 2011	(c) 2011	(d) 2012
1 Distributable amount for 2012 from Part XI, line 7				
2 Undistributed income, if any, as of the end of 2012				
a Enter amount for 2011 only				
b Total for prior years:				
3 Excess distributions carryover, if any, to 2012:				
a From 2007				
b From 2008				
c From 2009				
d From 2010				
e From 2011				
f Total of lines 3a through e				
4 Qualifying distributions for 2012 from Part XII, line 4: ► \$				
a Applied to 2011, 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 2012 distributable amount				
e Remaining amount distributed out of corpus				
5 Excess distributions carryover applied to 2012 (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 2011. Subtract line 4a from line 2a. Taxable amount - see instr.				
f Undistributed income for 2012. Subtract lines 4d and 5 from line 1. This amount must be distributed in 2013				
7 Amounts treated as distributions out of corpus to satisfy requirements imposed by section 170(b)(1)(F) or 4942(g)(3)				
8 Excess distributions carryover from 2007 not applied on line 5 or line 7				
9 Excess distributions carryover to 2013. Subtract lines 7 and 8 from line 6a				
10 Analysis of line 9:				
a Excess from 2008				
b Excess from 2009				
c Excess from 2010				
d Excess from 2011				
e Excess from 2012				

**RESEARCH CORPORATION DBA Research
Corporation for Science Advancement**

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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 2012, enter the date of the ruling

06/25/87

b Check box to indicate whether the foundation is a private operating foundation described in section ☒ 4942(j)(3) or ☐ 4942(j)(5)

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

Tax year	Prior 3 years			(e) Total
(a) 2012	(b) 2011	(c) 2010	(d) 2009	

b 85% of line 2a

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

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

e Qualifying distributions made directly for active conduct of exempt activities. Subtract line 2d from line 2c

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

a "Assets" alternative test - enter:

(1) Value of all assets

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

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

c "Support" alternative test - enter:

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

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

(3) Largest amount of support from an exempt organization

(4) Gross investment income

7,226,181.	3,654,348.	6,799,015.	4,541,715.	22,221,259.
6,142,254.	3,106,196.	5,779,163.	3,860,458.	18,888,070.
8,554,535.	9,554,955.	8,047,464.	8,093,690.	34,250,644.
0.	0.	0.	0.	0.
8,554,535.	9,554,955.	8,047,464.	8,093,690.	34,250,644.
146,724,496.	121,161,757.	139,087,454.	139,582,083.	546,555,790.
				0.
4,817,454.	4,207,978.	4,532,677.	4,281,692.	17,839,801.
				0.
				0.
				0.
				0.

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

1 Information Regarding Foundation Managers:

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

None

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

None

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

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

a The name, address, and telephone number or e-mail 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:

See Statement 20

c Any submission deadlines:

None.

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

Individuals performing scientific research at academic institutions of all levels.

RESEARCH CORPORATION DBA Research
Corporation for Science Advancement

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Part XV Supplementary Information (continued)

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

Recipient Name and address (home or business)	If recipient is an individual, show any relationship to any foundation manager or substantial contributor	Foundation status of recipient	Purpose of grant or contribution	Amount
a Paid during the year				
See Attached Statements				4,169,828.
Total			3a	4,169,828.
b Approved for future payment				
See Attached Statements				1,369,249.
Total			3b	1,369,249.

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 with any other organization 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**

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.

Signature of officer or trustee

Date _____

Title

Print/Type preparer's name _____

Preparer's signature

Date _____

Check ☐ if
self-employed

PTIN	
------	--

Carla J. Keegan

 CPA

11/713

P00596839

**Paid
Preparer
Use Only**

Firm's name ► Keegan, Linscott & Kenon, P.C.

Firm's EIN ► 86-0750225

Firm's address ► 33 N. Stone Avenue, Suite 1100
Tucson, AZ 85701

Phone no. 520-884-0176

May the IRS discuss this return with the preparer shown below (see instr. 1)?

☒ Yes ☐ No

Form 990-PF Page 1

228111
05-01-12

(D) - Asset disposed

* ITC, Salvage, Bonus, Commercial Revitalization Deduction, GO Zone

Form 990-PF	Dividends and Interest from Securities	Statement	1
-------------	--	-----------	---

Source	Gross Amount	Capital Gains Dividends	Column (A) Amount
Interest & Dividend Income	3,786,381.	0.	3,786,381.
MMA Interest	232.	0.	232.
Total to Fm 990-PF, Part I, ln 4	3,786,613.	0.	3,786,613.

Form 990-PF	Rental Income	Statement	2
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Kind and Location of Property	Activity Number	Gross Rental Income
Real estate - AG Realty Fund IV, L.P.	2	<384.>
Real estate - AG Realty Fund V, L.P.	3	176.
Real estate - AG Realty Fund VI, L.P.	4	<40,955.>
Real estate - AG Super Fund, L.P.	5	<18,813.>
Total to Form 990-PF, Part I, line 5a		<59,976.>

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	<418,902.>	<418,902.>	<418,902.>
Other Income from Investments - PFIC	5,180,857.	0.	5,180,857.
Total to Form 990-PF, Part I, line 11	4,761,955.	<418,902.>	4,761,955.

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	82,229.	0.	0.	82,229.	
To Fm 990-PF, Pg 1, ln 16a	82,229.	0.	0.	82,229.	

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 AND TAX FEES	51,250.	0.	0.	51,250.	
To Form 990-PF, Pg 1, ln 16b	51,250.	0.	0.	51,250.	

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	
CONSULTING	985,245.	25,625.	0.	959,620.	
To Form 990-PF, Pg 1, ln 16c	985,245.	25,625.	0.	959,620.	

Form 990-PF	Taxes			Statement	7
Description	(a) Expenses Per Books	(b) Net Invest- ment Income	(c) Adjusted Net Income	(d) Charitable Purposes	
FICA AND STATE UNEMPLOYMENT	97,969.	0.	0.	88,613.	
UBI TAXES	31,112.	0.	0.	0.	
OTHER TAXES	1,669.	0.	0.	0.	
To Form 990-PF, Pg 1, ln 18	130,750.	0.	0.	88,613.	

Form 990-PF	Other Expenses			Statement	8
Description	(a) Expenses Per Books	(b) Net Invest- ment Income	(c) Adjusted Net Income	(d) Charitable Purposes	
ADVERTISING	47,396.	0.	0.	47,396.	
OUTSIDE SERVICES	947.	0.	0.	947.	
MISCELLANEOUS	79,635.	0.	0.	79,635.	
OFFICE SUPPLIES	32,726.	0.	0.	32,726.	
COMPUTER-RELATED EXPENSES	92,666.	0.	0.	92,666.	
INSURANCE	5,317.	0.	0.	5,317.	
INVESTMENT EXPENSES	144,406.	144,406.	0.	0.	
POSTAGE AND SHIPPING	6,991.	0.	0.	6,991.	
PROGRAM RELATED EXPENSES	81,817.	0.	0.	81,817.	
LOCAL BUSINESS MEETINGS	8,308.	0.	0.	8,308.	
ANNIVERSARY EXPENSE	311,917.	0.	0.	311,917.	
TELEPHONE	24,841.	0.	0.	24,841.	
ACCRUAL-TO-CASH ADJUSTMENT	0.	0.	0.	124,374.	
To Form 990-PF, Pg 1, ln 23	836,967.	144,406.	0.	816,935.	

Form 990-PF	Other Decreases in Net Assets or Fund Balances	Statement	9
Description		Amount	
BOOK/TAX DIFFERENCES FROM SCHEDULE K-1'S		3,618,501.	
Total to Form 990-PF, Part III, line 5		3,618,501.	

Form 990-PF	Corporate Stock	Statement	10
Description	Book Value	Fair Market Value	
CGT INVESTMENTS	66,290,504.	66,290,504.	
Total to Form 990-PF, Part II, line 10b	66,290,504.	66,290,504.	

Form 990-PF	Other Investments	Statement	11
Description	Valuation Method	Book Value	Fair Market Value
PORTFOLIO INVESTMENTS	FMV	50,124,359.	50,124,359.
PIMCO INVESTMENTS	FMV	26,447,423.	26,447,423.
Total to Form 990-PF, Part II, line 13		76,571,782.	76,571,782.

Form 990-PF	Depreciation of Assets Not Held for Investment	Statement	12
Description	Cost or Other Basis	Accumulated Depreciation	Book Value
TENANT IMPROVEMENTS	496,312.	496,312.	0.
FURNITURE, FIXTURES, AND EQUIPMENT	301,879.	301,879.	0.
Total To Fm 990-PF, Part II, ln 14	798,191.	798,191.	0.

Form 990-PF	Other Assets	Statement	13
Description	Beginning of Yr Book Value	End of Year Book Value	Fair Market Value
DIVIDENDS AND INTEREST REC.	165,061.	153,968.	153,968.
OTHER ASSETS	274,224.	229,033.	229,033.
To Form 990-PF, Part II, line 15	439,285.	383,001.	383,001.

Form 990-PF	Other Liabilities	Statement	14
Description	BOY Amount	EOY Amount	
POSTRETIREMENT PENSION LIABILITY	1,070,110.	1,012,582.	
PENSION LIABILITY	1,574,059.	1,078,946.	
LBT LIABILITY	1,383,859.	1,383,859.	
LSST LIABILITY	25,000.	0.	
Total to Form 990-PF, Part II, line 22	4,053,028.	3,475,387.	

Form 990-PF Part VIII - List of Officers, Directors Statement 15
Trustees and Foundation Managers

Name and Address	Title and Avrg Hrs/Wk	Compen- sation	Employee Ben Plan Expense Contrib Account
MR. JAMES M. GENTILE 4703 E. CAMP LOWELL, SUITE 201 TUCSON, AZ 85712	PRESIDENT AND BOARD MEMBER 40.00	275,000.	175,000. 13,200.
MR. DANIEL GASCH 4703 E. CAMP LOWELL, SUITE 201 TUCSON, AZ 85712	CHIEF FINANCIAL OFFICER 40.00	192,400.	178,000. 19,000.
DR. MARTHA GILLILAND 4703 E. CAMP LOWELL, SUITE 201 TUCSON, AZ 85712	VICE PRESIDENT 32.00	110,000.	12,000. 11,000.
MS. SUZANNE D. JAFFE 4703 E. CAMP LOWELL, SUITE 201 TUCSON, AZ 85712	TREASURER AND BOARD MEMBER 3.00	0.	0. 0.
DR. GAYLE P.W. JACKSON 4703 E. CAMP LOWELL, SUITE 201 TUCSON, AZ 85712	CHAIRMAN OF THE BOARD 4.00	0.	0. 0.
MS. PATRICIA C. BARRON 4703 E. CAMP LOWELL, SUITE 201 TUCSON, AZ 85712	BOARD MEMBER 2.00	0.	0. 0.
MR. SCOTT CLEMONS 4703 E. CAMP LOWELL, SUITE 201 TUCSON, AZ 85712	BOARD MEMBER 2.00	0.	0. 0.
DR. PETER K. DORHOUT 4703 E. CAMP LOWELL, SUITE 201 TUCSON, AZ 85712	BOARD MEMBER 2.00	0.	0. 0.
MR. ROBERT HOLLAND, JR. 4703 E. CAMP LOWELL, SUITE 201 TUCSON, AZ 85712	BOARD MEMBER 2.00	0.	0. 0.
DR. ROBERT B. HALLOCK 4703 E. CAMP LOWELL, SUITE 201 TUCSON, AZ 85712	SECRETARY AND BOARD MEMBER 2.00	0.	0. 0.
DR. BRENT IVERSON 4703 E. CAMP LOWELL, SUITE 201 TUCSON, AZ 85712	BOARD MEMBER 2.00	0.	0. 0.

DR. ELIZABETH MCCORMICK	BOARD MEMBER			
4703 E. CAMP LOWELL, SUITE 201	2.00	0.	0.	0.
TUCSON, AZ 85712				
DR. PATRICK S. OSMER	BOARD MEMBER			
4703 E. CAMP LOWELL, SUITE 201	2.00	0.	0.	0.
TUCSON, AZ 85712				
Totals included on 990-PF, Page 6, Part VIII		577,400.	365,000.	43,200.

Research Corporation
EIN: 13-1963407

Form 990-PF, Part IV, Capital Gains and Losses for Tax on Investment Income

Type of Property Sold	How Acquired	Gain or Loss	Character of Gain (Loss) and Holding Period
CG Global Equity Fund	K-1 FLOW THROUGH	\$ 760,330 00	Short-Term Capital Gain
CG Global Equity Fund	K-1 FLOW THROUGH	2,000,145 00	Long-Term Capital Gain
AG Capital Recovery Partners, L P	K-1 FLOW THROUGH		Short-Term Capital Gain
AG Capital Recovery Partners, L P	K-1 FLOW THROUGH		Long-Term Capital Gain
AG Capital Recovery Partners V, L P	K-1 FLOW THROUGH		Short-Term Capital Gain
AG Capital Recovery Partners V, L P	K-1 FLOW THROUGH	1,945 00	Long-Term Capital Gain
AG Capital Recovery Partners VI, L P	K-1 FLOW THROUGH	83,026 00	Short-Term Capital Gain
AG Capital Recovery Partners VI, L P	K-1 FLOW THROUGH	554,962 00	Long-Term Capital Gain
AG Realty Fund IV, L P	K-1 FLOW THROUGH	22,034 00	Long-Term Capital Gain
AG Realty Fund V, L P	K-1 FLOW THROUGH	29,440 00	Long-Term Capital Gain
AG Realty Fund VI, L P	K-1 FLOW THROUGH	(1,856 00)	Short-Term Capital Gain
AG Realty Fund VI, L P	K-1 FLOW THROUGH	74,386 00	Long-Term Capital Gain
AG Realty Fund VI, L P	K-1 FLOW THROUGH	203,925 00	Long-Term Capital Gain
AG Super Fund, LP	K-1 FLOW THROUGH	257,238 00	Short-Term Capital Gain
AG Super Fund, LP	K-1 FLOW THROUGH	858,046 00	Long-Term Capital Gain
AG Super Fund, LP	K-1 FLOW THROUGH	147,164 00	Long-Term Capital Gain
Emerging Markets Growth Fund	RC Reconciliation	326,667 00	Short-Term Capital Gain
Emerging Markets Growth Fund	RC Reconciliation	53,427 00	Long-Term Capital Gain
PIMCO Global Advantage Strat Bond In: December Statement		167,305 00	Long-Term Capital Gain

Capital Gain Net Income or (Net Capital Loss) \$ 5,538,184 00 **Form 990-PF, Part IV, Line 2**

Net short-term capital gain or (loss) as defined
in IRC Sec 1225(5) and (6) \$ 1,425,405 00 **Form 990-PF, Part IV, Line 3**

Total Gains/Losses	\$ 5,538,184 00
Less Short Term Gains	\$ (1,425,405 00)
Less UBTI	\$ (98,653 00)
Long Term Gains	\$ 4,014,126 00

Research Corporation
 EIN: 13-1963407
 Statement 20

Date	Name	Memo	Amount	Balance
General & Administrative				
Charitable contributions				
01/16/2012	Anzona Friends of Chamber Music	18th Annual Tucson Winter Chamber Music Festival(*GFW=17524*)	1,000 00	1,000 00
03/01/2012	Educational Marketing Group, Inc	PSA on Arizona Student Radio	680 00	1,680 00
03/26/2012	Aladdin Graphics on Apparel	Track Tee shirts for Wright Elementary School	552 24	2,232 24
03/26/2012	Girl Scouts of Southern Arizona	table at 100 yr anniversary party for Martha Gilliland	1,500 00	3,732 24
03/27/2012	American Israel Friendship League	Happy B-day Isreal ad	500 00	4,232 24
03/28/2012	Anzona Sonora Desert Museum	2012 Gala and donation	2,500 00	6,732 24
04/12/2012	American Express Company	donation in memory of Sally Gordon to Daymon Runyon	100 00	6,832 24
05/02/2012	UAF/FDC	2012 Father of the Year Awards Dinner and Gala	2,500 00	9,332 24
05/03/2012	UAF/FDC	2012 Father of the Year Awards Dinner and Gala	2,500 00	11,832 24
05/09/2012	United Way of Tucson	Accrue corporate match thru 04/30/12	1,963 33	13,795 57
05/28/2012	American Express Company	Tucson Values Teachers	75 00	13,870 57
06/08/2012	YMCA of Southern Arizona	2012 char Gift	500 00	14,370 57
06/08/2012	The Loft Cinema	2012 gift	2,500 00	16,870 57
06/19/2012	United Way of Tucson	Accrue corporate match thru 06/30/12	306 66	17,177 23
06/26/2012	Carondelet Foundation	Annual dinner table sponsorship 2012	1,500 00	18,677 23
07/10/2012	Aladdin Graphics on Apparel	T Shirts for Wright Elementary School	1,167 10	19,844 33
07/17/2012	Montreal Holocaust Memorial Centre	in honor of A Gasch (Danny's father)	100 00	19,944 33
07/17/2012	Tucson Festival of Books	2012 Fest of Books	5,000 00	24,944 33
07/19/2012	Grassroot Soccer	In Support of Aubri Carman	1,000 00	25,944 33
07/30/2012	Aladdin Graphics on Apparel	Tee shirts for Wright Elementary School	1,167 10	27,111 43
08/06/2012	Educational Enrichment Foundation	SALC - SupportR Clark Teacher Training Academy	500 00	27,611 43
08/15/2012	UA Foundation/DRC	Jim Click Run N Roll Sponsor2012	1,500 00	29,111 43
08/15/2012	Educational Enrichment Foundation	2012 sponsorship of Annual event honoring Kathleen Perkins and Jim Gentile/RCSA	2,500 00	31,611 43
10/11/2012	United Way of Tucson	Accrue corporate match thru 09/30/12	580 00	32,191 43
10/19/2012	Pima Library Foundation	Danny G dinner	150 00	32,341 43
11/02/2012	Educational Marketing Group, Inc	PSA on AZ Student Radio	680 00	33,021 43
12/06/2012	Chemical Heritage Foundation	Annual gift (Ck voided & replaced 4/8/13)	1,000 00	34,021 43
12/12/2012	Angel Charity for Children, Inc	2012 Chantable Contribution	5,000 00	39,021 43
12/14/2012	Community Food Bank of New Jersey	\$300 RCSA match plus \$250 EE cash gifts, Holiday chantable effort for Hurricane Sandy	550 00	39,571 43
12/19/2012		Q4 United Way match	700 00	40,271 43
12/19/2012	Petty Cash Reimbursement	employee share of gift to NJ Community Food Bk for Hurricane Sandy	-250 00	40,021 43
12/19/2012	American Express Company	Tucson Values Teachers	450 00	40,471 43
Total Chantable contributions			40,471 43	40,471 43
Total General & Administrative			40,471 43	40,471 43
TOTAL			40,471.43	40,471.43

Schedule of Appropriations and Payments, by Request ID

Fiscal Year 2012

12/31/2012

Recipient and/or Purpose	Tax Status	Beginning Balance 2012	Newly Allocated 2012	Amended 2012	Amount Paid 2012	Ending Balance 2012
American Physical Society						
One Physics Ellipse						
College Park, MD 20740-3844						
<i>Edward A. Bouchet Lectureship Award,</i>						
<i>2003-2007</i>						
\$30,573 00		\$9,427 00	\$0 00	(\$9,427 00)	\$0 00	\$0 00
12/31/2002 ID 5156						
Youngstown State University						
One University Plaza						
Youngstown, OH 44555		\$0 00	\$0 00	\$0 00	\$0 00	\$0 00
<i>Growth and delta doping of ZnO epitaxial</i>						
<i>films by magnetron sputter deposition</i>						
\$43,470 00						
6/30/2006 ID 6730						
University of San Diego						
5998 Alcalá Park						
San Diego, CA 92110-2492		\$94,645 00	\$0 00	\$0 00	\$94,645 00	\$0 00
<i>Department Development Award</i>						
\$496,730 00						
3/20/2008 ID 7956						
James Madison University						
800 South Main St						
Harrisonburg, VA 22807		\$94,000 00	\$0 00	\$0 00	\$94,000 00	\$0 00
<i>Department Development Award</i>						
\$500,000 00						
3/20/2008 ID 7957						
American Physical Society						
One Physics Ellipse						
College Park, MD 20740-3844						
<i>Research Corporation Prize to a Faculty</i>						
<i>Member for Research at an Undergraduate</i>						
<i>Institution (2007-2011)</i>						
\$65,687 35		\$2,591 31	\$0 00	\$7,687 35	\$10,278 66	\$0 00
3/24/2008 ID 7958						

Fiscal Year 2012

Recipient and/or Purpose	Tax Status	Beginning Balance 2012	Newly Allocated 2012	Amended 2012	Amount Paid 2012	Ending Balance 2012
College of Charleston						
66 George Street		\$17,500 00	\$0 00	\$0 00	\$17,500 00	\$0 00
Charleston, SC 29424						
<i>Determination of the Secondary Structures</i>						
<i>Adopted by Small Gas Phase Peptides and</i>						
<i>Peptidomimetics through Torsion-Rotation</i>						
<i>Interactions in Rotational Spectra</i>						
\$45,000 00						
5/1/2009 ID 10573						
SUNY Geneseo						
One College Circle		\$0 00	\$0 00	\$0 00	\$0 00	\$0 00
Geneseo, NY 14454						
<i>Capturing Aggregates of Luminescent d8</i>						
<i>Compounds in Homogeneous Solutions</i>						
<i>Modeling Phosphorescent Dopants in</i>						
<i>OLEDs</i>						
\$42,583 00						
5/1/2009 ID 10613						
Mount Holyoke College						
50 College Street		\$25,000 00	\$0 00	\$0 00	\$25,000 00	\$0 00
South Hadley, MA 01075						
<i>Graph theoretic methods to find conduction</i>						
<i>pathways through grain boundaries</i>						
\$75,000 00						
11/1/2009 ID 10765						
Macalester College						
1600 Grand Avenue		\$0 00	\$0 00	\$0 00	\$0 00	\$0 00
St Paul, MN 55105						
<i>Combining Organic Synthesis and</i>						
<i>Biochemistry to Study Sideophore</i>						
<i>Biosynthesis in Fungi</i>						
\$75,000 00						
11/1/2009 ID 10800						

Fiscal Year 2012

Recipient and/or Purpose	Tax Status	Beginning Balance 2012	Newly Allocated 2012	Amended 2012	Amount Paid 2012	Ending Balance 2012
University of Utah 2020 Henry Eyring Building Salt Lake City, UT 84112 <i>Nanoplasmonic focusing of light fields to amplify non-linear optical effects in composite photovoltaics</i> \$125,000 00 5/15/2010 ID 19489		\$0 00	\$0 00	(\$125,000 00)	(\$125,000 00)	\$0 00
Indiana University at Bloomington 107 S Indiana Avenue Bloomington, IN 47405 <i>Towards Converting CO2 to Fuel A Computer-Aided Experimental Discovery of Novel CO2 Reduction Catalysts</i> \$100,000 00 5/15/2010 ID 19612		\$50,000 00	\$0 00	\$0 00	\$0 00	\$50,000 00
Pennsylvania State University, University Park 201 Old Main University Park, PA 16802 <i>Synthesis and Characterization of Core-Shell Wye Heterostructures</i> \$100,000 00 5/15/2010 ID 19641		\$50,000 00	\$0 00	\$0 00	\$50,000 00	\$0 00
Hamilton College 198 College Hill Road Clinton, NY 13323-1218 <i>The Synthesis and Evaluation of Carbohydrate-Polymers in Conjugates as Asymmetric Catalysts</i> \$17,500 00 5/1/2010 ID 19765		\$17,500 00	\$0 00	(\$17,500 00)	\$0 00	\$0 00

Fiscal Year 2012

Recipient and/or Purpose	Tax Status	Beginning Balance 2012	Newly Allocated 2012	Amended 2012	Amount Paid 2012	Ending Balance 2012
Texas State University, San Marcos 601 University Dr San Marcos, TX 78666 <i>Immobilization of Ionic Liquids Using Layered Materials</i> \$35,000 00 5/1/2010 ID 19770		\$17,500 00	\$0 00	\$0 00	\$17,500 00	\$0 00
Towson University 8000 York Road Towson, MD 21252 <i>Probing Many-Body Physics in Graphene Devices Using Micro-Raman Spectroscopy</i> \$22,658 00 5/1/2010 ID 19800		\$12,342 00	\$0 00	(\$12,342 00)	\$0 00	\$0 00
Willamette University 900 State Street Salem, OR 97301-3930 <i>Elucidating the Role Mechanical Forces Play in the Regulation of Myosin Function</i> \$35,000 00 5/1/2010 ID 19869		\$4,069 00	\$0 00	\$0 00	\$4,069 00	\$0 00
Roanoke College 221 College Lane Salem, VA 24153-3794 <i>Purine Biosynthesis in Archaea Variations on a Theme</i> \$35,000 00 5/1/2010 ID 19885		\$10,750 00	\$0 00	\$0 00	\$10,750 00	\$0 00

Fiscal Year 2012

Recipient and/or Purpose	Tax Status	Beginning Balance 2012	Newly Allocated 2012	Amended 2012	Amount Paid 2012	Ending Balance 2012
College of William and Mary P O Box 8795 Williamsburg, VA 23187 <i>Chiral Non-racemic Bicyclic Diketopiperazines A Common Precursor to Explore Diverse Asymmetric Reactions</i> \$35,000 00		\$17,000 00	\$0 00	\$0 00	\$17,000 00	\$0 00
5/1/2010 ID 19910						
University of Southern California University Park Campus Los Angeles, CA 90089 <i>A Generalized Synthetic Route to Nontoxic Semiconductor Nanocrystals for Use in Inexpensive Solar Cells</i> \$75,000 00		\$2,500 00	\$0 00	\$0 00	\$2,500 00	\$0 00
10/1/2010 ID 19943						
SUNY at Buffalo UB Commons, 520 Lee Entrance, Suite 211, Buffalo, NY 14260 <i>Understanding the Influence of Finite Size on Phase Transitions and Intercalation Processes in Vanadium Oxides</i> \$75,000 00		\$2,500 00	\$0 00	\$0 00	\$2,500 00	\$0 00
10/1/2010 ID 19965						
University of Maryland, College Park 1101 Main Admin Bldg College Park, MD 20742-0001 <i>Studying the Drivers of Galaxy Evolution Gas Reservoirs, Molecular Fractions, and Star Formation</i> \$75,000 00		\$2,500 00	\$0 00	\$0 00	\$2,500 00	\$0 00
10/1/2010 ID 19968						

Fiscal Year 2012

Recipient and/or Purpose	Tax Status	Beginning Balance 2012	Newly Allocated 2012	Amended 2012	Amount Paid 2012	Ending Balance 2012
Syracuse University 900 S Crouse Avenue Syracuse, NY 13244 <i>Exploring the Universe with Gravitational Waves A New Frontier in 21st Century Astronomy and Astrophysics</i> \$75,000 00		\$2,500 00	\$0 00	\$0 00	\$2,500 00	\$0 00
10/1/2010 ID 19970						
University of Notre Dame 400 Main Building Notre Dame, IN 46556 <i>Symmetries in the nuclear many-body problem Conquering the computational scale explosion</i> \$75,000 00		\$2,500 00	\$0 00	\$0 00	\$2,500 00	\$0 00
10/1/2010 ID 19976						
University of Virginia PO Box 400195 Charlottesville, VA 22901- <i>Collective phenomena in ultracold atomic gases</i> \$75,000 00		\$2,500 00	\$0 00	\$0 00	\$2,500 00	\$0 00
10/1/2010 ID 19981						
University of Virginia PO Box 400195 Charlottesville, VA 22901- <i>Hijacking the Hijackers Taking Advantage of the Chemistry of Bacterial Pathogens</i> \$75,000 00		\$2,500 00	\$0 00	\$0 00	\$2,500 00	\$0 00
10/1/2010 ID 19982						

Fiscal Year 2012

Recipient and/or Purpose	Tax Status	Beginning Balance 2012	Newly Allocated 2012	Amended 2012	Amount Paid 2012	Ending Balance 2012
University of Minnesota, Twin Cities 100 Church St, SE Minneapolis, MN 55455 <i>Catalytic Methods in Functionalizing Single Bonds to Carbon</i> \$75,000 00	10/1/2010 ID 19985	\$2,500 00	\$0 00	\$0 00	\$2,500 00	\$0 00
University of California, San Diego 9500 Gilman Drive La Jolla, CA 92093 <i>Isovanide Analogues of the Unsaturated Metal Carbonyls</i> \$75,000 00	10/1/2010 ID 19992	\$2,500 00	\$0 00	\$0 00	\$2,500 00	\$0 00
Cornell University Day Hall Lobby Ithaca, NY 14853 <i>Shedding Light on Quantum Interactions in New Correlated Electronic States of Matter</i> \$75,000 00	10/1/2010 ID 20025	\$2,500 00	\$0 00	\$0 00	\$2,500 00	\$0 00
University of Massachusetts, Amherst 300 Massachusetts Avenue Amherst, MA 01003 <i>Studies of Microtubule Intracellular Highways Building Bridges between Physics and Biology</i> \$75,000 00	10/1/2010 ID 20031	\$2,500 00	\$0 00	\$0 00	\$2,500 00	\$0 00

Fiscal Year 2012

Recipient and/or Purpose	Tax Status	Beginning Balance 2012	Newly Allocated 2012	Amended 2012	Amount Paid 2012	Ending Balance 2012
Chatham College 106 Woodland Road Pittsburgh, PA 15232 <i>Asymmetric Synthesis of Bicyclic Azaheterocycles Utilizing Chiral Memory Cycloadditions</i> \$35,000 00 5/1/2011 ID 20037		\$11,000 00	\$0 00	\$0 00	\$11,000 00	\$0 00
Texas State University, San Marcos 601 University Dr San Marcos, TX 78666 <i>Role of unfolded protein in functional allosteric multi-domain control of DNA binding in the tumor suppressor protein p53</i> \$35,000 00 5/1/2011 ID 20039		\$17,500 00	\$0 00	\$0 00	\$17,500 00	\$0 00
Seattle University 901 12th Avenue Box 222000 Seattle, WA 98122-4340 <i>Investigation of the surface electric forces between metallic plates using a high-sensitivity torsion balance and a Kelvin Probe</i> \$35,000 00 5/1/2011 ID 20041		\$13,074 00	\$0 00	\$0 00	\$13,074 00	\$0 00
University of San Diego 5998 Alcala Park San Diego, CA 92110-2492 <i>Surface-Supported Metal Organic Frameworks A Fundamental Investigation of Adsorption and Reactivity of Energy Relevant Molecules</i> \$35,000 00 5/1/2011 ID 20043		\$16,500 00	\$0 00	\$0 00	\$16,500 00	\$0 00

Fiscal Year 2012

Recipient and/or Purpose	Tax Status	Beginning Balance 2012	Newly Allocated 2012	Amended 2012	Amount Paid 2012	Ending Balance 2012
Benedictine University 5700 College Road Lisle, IL 60532-0900 <i>Synthesis of Transition Metal Complexes with Redox-active Ligands for Catalysis</i> \$35,000 00		\$9,667 00	\$0 00	\$0 00	\$9,667 00	\$0 00
5/1/2011 ID 20046						
Carleton College One N College Street Northfield, MN 55057 <i>Development of Silylamides as Nitrene Delivery Reagents for Late Transition Metals</i> \$35,000 00		\$12,926 00	\$0 00	\$0 00	\$12,926 00	\$0 00
5/1/2011 ID 20047						
Haverford College 370 Lancaster Avenue Haverford, PA 19041 <i>Chemical and Isotopic Separations using Quantum Tunneling Effects</i> \$35,000 00		\$7,500 00	\$0 00	\$0 00	\$7,500 00	\$0 00
5/1/2011 ID 20051						
Connecticut College 270 Mohegan Avenue New London, CT 06320- <i>Disarming bacteria through inhibition of the biosynthesis of quorum sensing signal molecules</i> \$35,000 00		\$14,500 00	\$0 00	\$0 00	\$14,500 00	\$0 00
5/1/2011 ID 20062						

Fiscal Year 2012

Recipient and/or Purpose	Tax Status	Beginning Balance 2012	Newly Allocated 2012	Amended 2012	Amount Paid 2012	Ending Balance 2012
Ursinus College 601 Main Street Collegeville, PA 19426- <i>The role of the ubiquitin-proteasome system in modulating the formation, propagation and toxicity of yeast prions</i> \$35,000 00	5/1/2011 ID 20070	\$14,074 00	\$0 00	\$0 00	\$14,074 00	\$0 00
James Madison University 800 South Main St Harrisonburg, VA 22807 <i>A multi-dimensional exploration of the physical properties of cosmic masers' host galaxies</i> \$35,000 00	5/1/2011 ID 20071	\$16,109 00	\$0 00	\$0 00	\$16,109 00	\$0 00
Augusta State University 2500 Walton Way Augusta, GA 30904-2200 <i>Non-equilibrium properties of classical two dimensional XY and Heisenberg model with external time dependent magnetic field</i> \$35,000 00	5/1/2011 ID 20073	\$15,075 00	\$0 00	\$0 00	\$15,075 00	\$0 00
Kenyon College 200 N College Drive Gambier, OH 43022 <i>Investigations of the inhomogeneous and anisotropic Universe</i> \$35,000 00	5/1/2011 ID 20080	\$14,500 00	\$0 00	\$0 00	\$14,500 00	\$0 00

Fiscal Year 2012

Recipient and/or Purpose	Tax Status	Beginning Balance 2012	Newly Allocated 2012	Amended 2012	Amount Paid 2012	Ending Balance 2012
Jackson State University 1400 John R Lynch Street Jackson, MS 39217 <i>Modeling Optical Processes in Lead Salt Nanocrystal Quantum Dots</i> \$35,000 00 5/1/2011 ID 20081		\$17,000 00	\$0 00	\$0 00	\$17,000 00	\$0 00
College of Wooster 1189 Beall Ave Wooster, OH 44691 <i>Exploring the Function of Thiorodoxin Peroxidase 1 from Baker's Yeast Following Modification by Electrophiles</i> \$35,000 00 5/1/2011 ID 20084		\$16,250 00	\$0 00	\$0 00	\$16,250 00	\$0 00
Texas State University, San Marcos 601 University Dr San Marcos, TX 78666 <i>Synthesis and Reactivity Studies of Novel Janus-Type Biscarbenes Comprised of Facially Opposed N-Heterocyclic and Carbodicarbenes</i> \$35,000 00 5/1/2011 ID 20092		\$17,500 00	\$0 00	\$0 00	\$17,500 00	\$0 00
Skidmore College 815 N Broadway Saratoga Springs, NY 12866 <i>Expanding the Genetic Code with Pyroglutamate</i> \$35,000 00 5/1/2011 ID 20102		\$17,500 00	\$0 00	\$0 00	\$17,500 00	\$0 00

Fiscal Year 2012

Recipient and/or Purpose	Tax Status	Beginning Balance 2012	Newly Allocated 2012	Amended 2012	Amount Paid 2012	Ending Balance 2012
The College of New Jersey 2000 Pennington Road Ewing, NJ 08628-0178 <i>Single-Molecule Investigation of Multi-Domain Folding A Fluorescence Correlation Spectroscopy Study</i> \$35,000 00		\$11,495 00	\$0 00	\$0 00	\$11,495 00	\$0 00
5/1/2011 ID 20108						
College of Wooster 1189 Beall Ave Wooster, OH 44691 <i>Self-association of dicarboxylic acids in solution using incoherent broadband cavity-enhanced absorption spectroscopy</i> \$35,000 00		\$11,000 00	\$0 00	\$0 00	\$11,000 00	\$0 00
5/1/2011 ID 20110						
Fort Lewis College 1000 Rim Drive Durango, CO 81301 <i>Development of a General Synthesis of Chiral alpha-Hydroxy Acids and Application to the Preparation of Potent Antiviral Compounds</i> \$35,000 00		\$17,500 00	\$0 00	\$0 00	\$17,500 00	\$0 00
5/1/2011 ID 20120						
Murray State University 102 Curris Center Murray, KY 42071 <i>Synthesis of Novel Imidazolium-Containing Ionenenes via Michael Addition Polymerization</i> \$35,000 00		\$17,500 00	\$0 00	\$0 00	\$17,500 00	\$0 00
5/1/2011 ID 20121						

Fiscal Year 2012

Recipient and/or Purpose	Tax Status	Beginning Balance 2012	Newly Allocated 2012	Amended 2012	Amount Paid 2012	Ending Balance 2012
University of Wisconsin, Eau Claire 105 Garfield Avenue PO Box 4004 Eau Claire, WI 54702 <i>Predicting Spectra of Transition Metal Hydrides Ligand-Dependent Effects on M-II Bonding</i> \$35,000 00		\$14,186 00	\$0 00	\$0 00	\$14,186 00	\$0 00
5/1/2011 ID 20126						
Union College 807 Union Street Schenectady, NY 12308 <i>Synthesis and evaluation of cell-permeable variants of trehalose to improve the viability of preserved mammalian cells</i> \$35,000 00		\$16,000 00	\$0 00	\$0 00	\$16,000 00	\$0 00
5/1/2011 ID 20129						
Gettysburg College 300 N Washington Street Gettysburg, PA 17325 <i>Elucidating Mechanisms of Compaction Atomic Emission Spectroscopy and X-ray Scattering Investigations of the Ionic Atmosphere of the Nucleosome</i> \$35,000 00		\$15,900 00	\$0 00	\$0 00	\$15,900 00	\$0 00
5/1/2011 ID 20132						
San Jose State University One Washington Square San Jose, CA 95192 <i>Novel P450 hybrid enzymes with artificial electron donor photosensitizer for the selective oxidation of organic substrates</i> \$35,000 00		\$8,000 00	\$0 00	\$0 00	\$8,000 00	\$0 00
5/1/2011 ID 20148						

Fiscal Year 2012

Recipient and/or Purpose	Tax Status	Beginning Balance 2012	Newly Allocated 2012	Amended 2012	Amount Paid 2012	Ending Balance 2012
Kalamazoo College 1200 Academy Street Kalamazoo, MI 49006 <i>Development of a multiplexed molecular beacon assay for the detection of breast cancer metastasis</i> \$35,000 00 5/1/2011 ID 20156		\$17,274 00	\$0 00	\$0 00	\$17,274 00	\$0 00
Winthrop University 701 Oakland Avenue Rock Hill, SC 29733-0001 <i>Biophysical Characterization of Metal Homeostasis in Multiple Antibiotic Producing Streptomyces coelicolor</i> \$35,000 00 5/1/2011 ID 20160		\$17,500 00	\$0 00	\$0 00	\$17,500 00	\$0 00
Santa Clara University 500 El Camino Real Santa Clara, CA 95053 <i>Investigating the role of neurometal biogenic amines in shaping stomatogastric motor programs of the crab Cancer borealis</i> \$75,000 00 5/1/2011 ID 20164		\$38,219 00	\$0 00	\$0 00	\$38,219 00	\$0 00
Union College 807 Union Street Schenectady, NY 12308 <i>Developing archives of aquatic chemistry from freshwater mussel shell geochemistry Stable isotopes, trace elements, and biomineralization</i> \$35,000 00 5/1/2011 ID 20169		\$10,574 00	\$0 00	\$0 00	\$10,574 00	\$0 00

Fiscal Year 2012

Recipient and/or Purpose	Tax Status	Beginning Balance 2012	Newly Allocated 2012	Amended 2012	Amount Paid 2012	Ending Balance 2012
Gonzaga University 502 E. Boone Avenue Spokane, WA 99258 <i>Orbital optimization and excited-state calculation within the graphically contracted function method</i> \$35,000 00 5/1/2011 ID 20180		\$13,000 00	\$0 00	\$0 00	\$13,000 00	\$0 00
Marshall University One John Marshall Drive Huntington, WV 25755 <i>Study of the photoassembly of the oxygen-evolving complex of photosystem II in extremophilic phototrophs</i> \$35,000 00 5/1/2011 ID 20183		\$15,877 00	\$0 00	\$0 00	\$15,877 00	\$0 00
University of Southern Maine PO Box 9300 Portland, ME 04104-9300 <i>A novel approach to enhance bioremediation of chromate using bacteria engineered to produce trehalose</i> \$35,000 00 5/1/2011 ID 20185		\$14,074 00	\$0 00	\$0 00	\$14,074 00	\$0 00
The College of New Jersey 2000 Pennington Road Ewing, NJ 08628-0178 <i>Investigating the regulation of gene expression through the coordination of RNA splicing with transcription</i> \$35,000 00 5/1/2011 ID 20186		\$12,750 00	\$0 00	\$0 00	\$12,750 00	\$0 00

Fiscal Year 2012

Recipient and/or Purpose	Tax Status	Beginning Balance 2012	Newly Allocated 2012	Amended 2012	Amount Paid 2012	Ending Balance 2012
Providence College						
Onc Cunningham Square Providence, RI 02918 <i>Investigations of Solvent-dependent Structural and Chemical Reaction Dynamics of the Group VIII Transition Metal Pentacarbonyls</i> \$35,000 00	5/1/2011 ID 20187	\$15,870 00	\$0 00	\$0 00	\$15,870 00	\$0 00
Saint Olaf College						
1520 St Olaf Avenue Northfield, MN 55057 <i>The function and targeting of perleupin 2, a lipid droplet-associated protein</i> \$35,000 00	5/1/2011 ID 20189	\$17,590 00	\$0 00	\$0 00	\$17,590 00	\$0 00
University of Colorado Denver						
1250 14th Street Denver, CO 80217 <i>Investigation of hygroscopicity and redox activity of chemically processed atmospheric organic aerosol</i> \$35,000 00	5/1/2011 ID 20192	\$15,250 00	\$0 00	\$0 00	\$15,250 00	\$0 00
Santa Clara University						
500 El Camino Real Santa Clara, CA 95053 <i>Characterization of the interactions between azurin and silver nanoparticles</i> \$35,000 00	5/1/2011 ID 20197	\$18,000 00	\$0 00	\$0 00	\$18,000 00	\$0 00

Fiscal Year 2012

Recipient and/or Purpose	Tax Status	Beginning Balance 2012	Newly Allocated 2012	Amended 2012	Amount Paid 2012	Ending Balance 2012
Pacific Lutheran University 12180 Park Avenue S Tacoma, WA 98447 <i>Carbon Nanofoam Electrodes as Scaffolds for High-Rate Zinc-Air Batteries</i> \$35,000 00		\$17,500 00	\$0 00	\$0 00	\$17,500 00	\$0 00
5/1/2011 ID 20201						
Missouri State University 901 S National Avenue Springfield, MO 65897 <i>Investigation of Major Groove Modifications of Nucleic Acids on DNA Polymerase Activity</i> \$35,000 00		\$12,697 00	\$0 00	\$0 00	\$0 00	\$12,697 00
5/1/2011 ID 20203						
Bard College PO Box 5000 Annandale-on-Hudson, NY 12504-5000 <i>Development and synthesis of hydrogen-bonding scaffolds and thiourea organocatalysts for enantioselective [2 + 2] photocycloadditions</i> \$35,000 00		\$17,500 00	\$0 00	\$0 00	\$17,500 00	\$0 00
5/1/2011 ID 20215						
University of Nebraska, Kearney 905 W 25th Street Kearney, NE 68849 <i>N-heterocycle carbenes as organocatalysts and ligands for functionalized gold nanocatalysts in green reactions</i> \$35,000 00		\$8,767 00	\$0 00	\$0 00	\$8,767 00	\$0 00
5/1/2011 ID 20228						

Fiscal Year 2012

Recipient and/or Purpose	Tax Status	Beginning Balance 2012	Newly Allocated 2012	Amended 2012	Amount Paid 2012	Ending Balance 2012
Boise State University 1910 University Drive Boise, ID 83725 <i>Study of magnetic nanostructures deposited on Cu₂N/Cu(100) surfaces from first principles</i> \$35,000 00		\$15,609 00	\$0 00	\$0 00	\$15,609 00	\$0 00
Rutgers University, Camden 303 Cooper Street Camden, NJ 08102-1519 <i>Mechanistic study of localization and dynamics of photoexcited charge in co-promoted TiO₂ under visible/near-IR by multiple Operando techniques</i> \$35,000 00		\$9,500 00	\$0 00	\$0 00	\$9,500 00	\$0 00
Trinity University One Trinity Place San Antonio, TX 78212 <i>Surface plasmon enhanced Forster resonance energy transfer in fluorescent molecules using metal wire gratings</i> \$75,000 00		\$26,850 00	\$0 00	\$0 00	\$26,850 00	\$0 00
Denison University 100 W College Street Granville, OH 43023-1359 <i>The Structural Foundation of the Force Response of Molecular Motors</i> \$35,000 00		\$15,609 00	\$0 00	\$0 00	\$0 00	\$15,609 00

Fiscal Year 2012

Recipient and/or Purpose	Tax Status	Beginning Balance 2012	Newly Allocated 2012	Amended 2012	Amount Paid 2012	Ending Balance 2012
The College of New Jersey 2000 Pennington Road Ewing, NJ 08628-0178 <i>Regulation of plant metabolism through CYP72A cytochrome P450 enzymes</i> \$35,000 00 5/1/2011 ID 20259		\$11,476 00	\$0 00	\$0 00	\$11,476 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> \$35,000 00 5/1/2011 ID 20265		\$15,574 00	\$0 00	\$0 00	\$15,574 00	\$0 00
SUNY College at Brockport 350 New Campus Drive Brockport, NY 14420-2914 <i>Determining the effects of amino acid substitutions within the CXXCH motif of cytochrome c on reduction potential using a heme-peptide construct</i> \$19,000 00 5/1/2011 ID 20266		\$16,000 00	\$0 00	(\$16,000 00)	\$0 00	\$0 00
University of Washington 301 Gerberding Hall Seattle, WA 98195 <i>Photoconversion Physics in Quantum-Wire Arrays with Double-Gyroid Topology</i> \$100,000 00 5/15/2010 ID 20271		\$50,000 00	\$0 00	\$0 00	\$50,000 00	\$0 00

Fiscal Year 2012

Recipient and/or Purpose	Tax Status	Beginning Balance 2012	Newly Allocated 2012	Amended 2012	Amount Paid 2012	Ending Balance 2012
College of Charleston						
66 George Street Charleston, SC 29424 <i>Absorption and Scattering in Correlated Random Media</i> \$35,000 00		\$11,842 00	\$0 00	\$0 00	\$11,842 00	\$0 00
1/26/2011 ID 20273						
Willamette University						
900 State Street Salem, OR 97301-3930 <i>Stress Steroids as Neuromodulators Studying the Cellular Effects of Stress Steroids on Neurons</i> \$35,000 00		\$2,350 00	\$0 00	\$0 00	\$0 00	\$2,350 00
5/1/2011 ID 20280						
University of Denver						
2199 S University Blvd Denver, CO 80208-0001 <i>Energy Pooling as a Novel Thermodynamic Mechanism for Organic Photovoltaics</i> \$100,000 00		\$50,000 00	\$0 00	\$0 00	\$0 00	\$50,000 00
5/1/2011 ID 20304						
University of Central Florida						
4000 Central Florida Blvd Orlando, FL 32816 <i>Investigating Charge Transport and Recombination in Bulk Heterojunction Organic Photovoltaics with Conjugated Polymer Columnar Structures on Graphene</i> \$100,000 00		\$50,000 00	\$0 00	\$0 00	\$50,000 00	\$0 00
5/1/2011 ID 20315						

Fiscal Year 2012

Recipient and/or Purpose	Tax Status	Beginning Balance 2012	Newly Allocated 2012	Amended 2012	Amount Paid 2012	Ending Balance 2012
University of Florida 219 Grinter Hall PO Box 115500 Gainesville, FL 32611 <i>A Modular Supramolecular Approach to Organic Photovoltaic Materials</i> \$145,000 00 5/1/2011 ID 20316		\$72,500 00	\$0 00	\$0 00	\$72,500 00	\$0 00
University of Oregon Eugene, OR 97403 <i>Role of Fractal Patterns on New Materials for Solar Energy Applications Inorganic Clusters, Films and Fractal Geometry Simulations</i> \$125,000 00 5/1/2011 ID 20317		\$62,500 00	\$0 00	\$0 00	\$62,500 00	\$0 00
University of Wisconsin, Madison 500 Lincoln Drive Madison, WI 53706 <i>Enabling Solar Energy Conversion using Rational and Scalable Growth of 1D Nanomaterials Made of Inexpensive Semiconductors</i> \$100,000 00 5/1/2011 ID 20320		\$50,000 00	\$0 00	\$0 00	\$50,000 00	\$0 00
University of Illinois at Urbana-Champaign 600 S. Mathews Avenue Urbana, IL 61801 <i>Computational Discovery and Optimization of Organic Photovoltaic Materials</i> \$100,000 00 5/1/2011 ID 20329		\$50,000 00	\$0 00	\$0 00	\$50,000 00	\$0 00

Fiscal Year 2012

Recipient and/or Purpose	Tax Status	Beginning Balance 2012	Newly Allocated 2012	Amended 2012	Amount Paid 2012	Ending Balance 2012
University of Washington 301 Gerberding Hall Seattle, WA 98195 <i>Dopant-carrier Auger de-excitation as a new approach to multi-threshold solar energy conversion devices</i> \$125,000 00	ID 20334 5/1/2011	\$62,500 00	\$0 00	\$0 00	\$0 00	\$62,500 00
University of Florida 219 Grimmer Hall PO Box 115500 Gainesville, FL 32611 <i>A Modular Supramolecular Approach to Organic Photovoltaic Materials</i> \$105,000 00	ID 20771 5/1/2011	\$52,500 00	\$0 00	\$0 00	\$52,500 00	\$0 00
University of Oregon Eugene, OR 97403 <i>Role of Fractal Patterns on New Materials for Solar Energy Applications Inorganic Clusters, Films and Fractal Geometry Simulations</i> \$125,000 00	ID 20772 5/1/2011	\$62,500 00	\$0 00	\$0 00	\$62,500 00	\$0 00
University of Washington 301 Gerberding Hall Seattle, WA 98195 <i>Dopant-carrier Auger de-excitation as a new approach to multi-threshold solar energy conversion devices</i> \$125,000 00	ID 20773 5/1/2011	\$62,500 00	\$0 00	\$0 00	\$62,500 00	\$0 00

Fiscal Year 2012

Recipient and/or Purpose	Tax Status	Beginning Balance 2012	Newly Allocated 2012	Amended 2012	Amount Paid 2012	Ending Balance 2012
Purdue University 610 Purdue Mall West Lafayette, IN 47907 <i>Uranium Complexes Supported by Redox-Active Ligands for Small Molecule Activation</i> \$75,000 00 5/1/2012 ID 20790		\$0 00	\$75,000 00	\$0 00	\$72,500 00	\$2,500 00
Indiana University at Bloomington 107 S Indiana Avenue Bloomington, IN 47405 <i>Chemoselective Enrichment Tools for Natural Products Discovery</i> \$75,000 00 5/1/2012 ID 20793		\$0 00	\$75,000 00	\$0 00	\$72,500 00	\$2,500 00
University of California, Los Angeles Los Angeles, CA 90095 <i>Keeping Time with the Nucleus A Solid-State Optical Clock Based on a Nuclear Transition</i> \$75,000 00 5/1/2012 ID 20801		\$0 00	\$75,000 00	\$0 00	\$72,500 00	\$2,500 00
Indiana University at Bloomington 107 S Indiana Avenue Bloomington, IN 47405 <i>New Synthetic Strategies to Multi-Metal Nanocrystals with Controlled Compositions and Structures</i> \$75,000 00 5/1/2012 ID 20803		\$0 00	\$75,000 00	\$0 00	\$72,500 00	\$2,500 00

Fiscal Year 2012

Recipient and/or Purpose	Tax Status	Beginning Balance 2012	Newly Allocated 2012	Amended 2012	Amount Paid 2012	Ending Balance 2012
Cornell University Day Hall Lobby Ithaca, NY 14853 <i>Predictable Assembly of Ordered Heterojunctions Using Covalent Organic Frameworks</i> \$75,000 00 5/1/2012 ID 20809		\$0 00	\$75,000 00	\$0 00	\$72,500 00	\$2,500 00
Yale University P.O. Box 208120 New Haven, CT 06520- <i>Computational Cosmology in Classrooms and in Research</i> \$75,000 00 5/1/2012 ID 20824		\$0 00	\$75,000 00	\$0 00	\$72,500 00	\$2,500 00
California Institute of Technology 1200 E California Blvd Pasadena, CA 91125 <i>The Development and Application of Heterocycle Forming Reactions in Natural Product Total Synthesis</i> \$75,000 00 5/1/2012 ID 20845		\$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>Designing biological toys genetic switches, and clocks</i> \$75,000 00 5/1/2012 ID 20856		\$0 00	\$75,000 00	\$0 00	\$72,500 00	\$2,500 00

Fiscal Year 2012

Recipient and/or Purpose	Tax Status	Beginning Balance 2012	Newly Allocated 2012	Amended 2012	Amount Paid 2012	Ending Balance 2012
University of Toledo 2801 W Bancroft Street Toledo, OH 43606 <i>After the Fall -- Why Galaxies Die, and How</i> \$75,000 00 5/1/2012 ID 20859		\$0 00	\$75,000 00	\$0 00	\$72,500 00	\$2,500 00
Yale University P O Box 208120 New Haven, CT 06520- <i>Synthetic and Chemical Biological Studies of Lomatium A and B</i> \$75,000 00 5/1/2012 ID 20860		\$0 00	\$75,000 00	\$0 00	\$72,500 00	\$2,500 00
University of Pittsburgh Pittsburgh, PA 15213 <i>Molecular Piezoelectrics Building Responsive Electromechanical Materials From the Bottom Up</i> \$75,000 00 5/1/2012 ID 20863		\$0 00	\$75,000 00	\$0 00	\$72,500 00	\$2,500 00
Allegheny College 520 N Main Street Meadville, PA 16335 <i>Molecular Torsion Balances for Probing the Distance Dependency of CH-pi Interactions</i> \$35,000 00 5/1/2012 ID 20883		\$0 00	\$35,000 00	\$0 00	\$18,000 00	\$17,000 00

Fiscal Year 2012

Recipient and/or Purpose	Tax Status	Beginning Balance 2012	Newly Allocated 2012	Amended 2012	Amount Paid 2012	Ending Balance 2012
St. Catherine University 2004 Randolph Avenue Saint Paul, MN 55105-1789 <i>Enzymatic and chemical synthesis of strained ring containing proteins and oligonucleotides for use in tetrazine cycloaddition</i> \$35,000 00		\$0 00	\$35,000 00	\$0 00	\$14,600 00	\$20,400 00
5/1/2012 ID 20888						
Chapman University One University Drive Orange, CA 92866-1099 <i>The Protein Structure and Mobility control of Electron Transfer Reactions in Ru-modified proteins</i> \$35,000 00		\$0 00	\$35,000 00	\$0 00	\$19,043 00	\$15,957 00
5/1/2012 ID 20890						
Kenyon College 200 N College Drive Gambier, OH 43022 <i>Defining the Role of Arabidopsis thaliana Methylmalonate Semialdehyde Dehydrogenase in Lipid Metabolism</i> \$35,000 00		\$0 00	\$35,000 00	\$0 00	\$22,494 00	\$12,506 00
5/1/2012 ID 20901						
Seattle University 901 12th Avenue Box 222000 Seattle, WA 98122-4340 <i>The Synthesis and Reactivity of Novel Triple-layer Bimetallic Complexes Model Systems for Organometallic Molecular Wires</i> \$35,000 00		\$0 00	\$35,000 00	\$0 00	\$17,500 00	\$17,500 00
5/1/2012 ID 20904						

Fiscal Year 2012

Recipient and/or Purpose	Tax Status	Beginning Balance 2012	Newly Allocated 2012	Amended 2012	Amount Paid 2012	Ending Balance 2012
Central Michigan University Mount Pleasant, MI 48859-0001 <i>Chemical unzipping of doped multi-walled carbon nanotubes for energy storage applications</i> \$75,000 00 5/1/2012 ID 20906		\$0 00	\$75,000 00	\$0 00	\$46,465 00	\$28,535 00
California State University, Fullerton P O Box 34080 Fullerton, CA 92834-6850 <i>Equilibrium dynamics and binding kinetics of intrinsically disordered cancer proteins by EPR spectroscopy</i> \$35,000 00 5/1/2012 ID 20907		\$0 00	\$35,000 00	\$0 00	\$17,160 00	\$17,840 00
Harvey Mudd College 301 E 12th Street Claremont, CA 91711 <i>Particle-scale dynamics of impurity defect expulsion in colloidal crystals</i> \$35,000 00 5/1/2012 ID 20910		\$0 00	\$35,000 00	\$0 00	\$10,000 00	\$25,000 00
Smith College 7 College Lane Northampton, MA 01063 <i>Selectivity in Complex Contexts Directing Chemical Reactions with DNA-Small Molecule Conjugates</i> \$35,000 00 5/1/2012 ID 20911		\$0 00	\$35,000 00	\$0 00	\$17,426 00	\$17,574 00

Fiscal Year 2012

Recipient and/or Purpose	Tax Status	Beginning Balance 2012	Newly Allocated 2012	Amended 2012	Amount Paid 2012	Ending Balance 2012
University of Richmond						
28 Westhampton Way						
Richmond, VA 23173						
<i>Rhenium(V)-Oxo Catalyzed Addition</i>						
<i>Reactions</i>						
\$35,000 00		\$0 00	\$35,000 00	\$0 00	\$20,927 00	\$14,073 00
5/1/2012	ID 20917					
Northland College						
1411 Ellis Avenue						
Ashland, WI 54806-3999						
<i>Synthesis of High Molecular Weight</i>						
<i>Polyester and Polyamide Architectures</i>						
<i>Derived from Biorenewable Monomers</i>						
\$35,000 00		\$0 00	\$35,000 00	\$0 00	\$19,391 00	\$15,609 00
5/1/2012	ID 20919					
Amherst College						
PO Box 5000						
Amherst, MA 01002-5000						
<i>Quantum Logic Spectroscopy of Charged</i>						
<i>Molecules</i>						
\$35,000 00		\$0 00	\$35,000 00	\$0 00	\$24,926 00	\$10,074 00
5/1/2012	ID 20929					
Illinois State University						
Campus Box 8000						
Normal, IL 61790-8000						
<i>Construction and Modification of</i>						
<i>Stimuli-Responsive Hollow Polymer</i>						
<i>Nanoparticles for Targeted Drug-Delivery</i>						
<i>Vehicles</i>						
\$35,000 00		\$0 00	\$35,000 00	\$0 00	\$24,610 00	\$10,390 00
5/1/2012	ID 20930					

Fiscal Year 2012

Recipient and/or Purpose	Tax Status	Beginning Balance 2012	Newly Allocated 2012	Amended 2012	Amount Paid 2012	Ending Balance 2012
Kennesaw State University 1000 Chastain Road Kennesaw, GA 30144-5591 <i>Radiation Induced Prebiotic Chemistry at Ice-Mineral Interfaces</i> \$35,000 00 5/1/2012 ID 20932		\$0 00	\$35,000 00	\$0 00	\$22,342 00	\$12,658 00
California State University, Long Beach 1250 Bellflower Blvd Long Beach, CA 90840 <i>r-mode Oscillations and Gravitational Wave Signatures of Hybrid Neutron Stars</i> \$35,000 00 5/1/2012 ID 20950		\$0 00	\$35,000 00	\$0 00	\$19,658 00	\$15,342 00
University of North Florida One UNF Drive Jacksonville, FL 32224 <i>A genetic-chemical approach for exploring biotic interactions as activators of natural product biosynthesis among marine bacteria</i> \$35,000 00 5/1/2012 ID 20955		\$0 00	\$35,000 00	\$0 00	\$17,500 00	\$17,500 00
Texas State University, San Marcos 601 University Dr San Marcos, TX 78666 <i>Regulation of the essential splicing helicase Brr2 by US snRNP proteins during spliceosome assembly.</i> \$35,000 00 5/1/2012 ID 20957		\$0 00	\$35,000 00	\$0 00	\$23,125 00	\$11,875 00

Fiscal Year 2012

Recipient and/or Purpose	Tax Status	Beginning Balance 2012	Newly Allocated 2012	Amended 2012	Amount Paid 2012	Ending Balance 2012
Rhodes College 2000 North Parkway Memphis, TN 38112 <i>Feedback in Major Galaxy Mergers A Comprehensive Survey of Wind Structure and Power Sources</i> \$35,000 00 5/1/2012 ID 20962		\$0 00	\$35,000 00	\$0 00	\$19,391 00	\$15,609 00
Hobart and William Smith Colleges 300 Pulteney Street Geneva, NY 14456-3397 <i>The effects of macromolecular crowding on enzyme kinetics in the mitochondria</i> \$35,000 00 5/1/2012 ID 20963		\$0 00	\$35,000 00	\$0 00	\$23,051 00	\$11,949 00
Rochester Institute of Technology 116 Lomb Memorial Drive Rochester, NY 14623 <i>Optomechanical rotation sensors Theoretically identifying and circumventing the quantum limits to their sensitivity</i> \$35,000 00 5/1/2012 ID 20966		\$0 00	\$35,000 00	\$0 00	\$16,426 00	\$18,574 00
Fort Lewis College 1000 Rim Drive Durango, CO 81301 <i>From carbon nanotubes to nanotubes New approaches to the chemical synthesis, elaboration, and application of the [n]cyclopaparaphenylene family</i> \$35,000 00 5/1/2012 ID 20967		\$0 00	\$35,000 00	\$0 00	\$17,500 00	\$17,500 00

Fiscal Year 2012

Recipient and/or Purpose	Tax Status	Beginning Balance 2012	Newly Allocated 2012	Amended 2012	Amount Paid 2012	Ending Balance 2012
Wilkes University 84 W South Street Wilkes-Barre, PA 18766-0001 <i>Modeling RNA Tertiary Structure by Merging SHAPE Chemistry with Comparative Sequence Alignment</i> \$35,000 00	5/1/2012 ID 20974	\$0 00	\$35,000 00	\$0 00	\$19,400 00	\$15,600 00
Hamilton College 198 College Hill Road Clinton, NY 13323-1218 <i>Novel computational techniques for investigating gene interaction networks in Ichthyoviphrus multifiliis and its endosymbiotic bacteria</i> \$100,000 00	5/1/2012 ID 20976	\$0 00	\$100,000 00	\$0 00	\$55,975 00	\$44,025 00
The College of New Jersey 2000 Pennington Road Ewing, NJ 08628-0178 <i>New Ni(II) and Pd(II) Complexes Containing Hemilabile Pendant Arene Groups to Catalyze the Polymerization of Olefins and Polar Monomers</i> \$35,000 00	5/1/2012 ID 20989	\$0 00	\$35,000 00	\$0 00	\$17,500 00	\$17,500 00
John Carroll University One John Carroll Blvd University Heights, OH 44118 <i>Modeling the light propagation in brain tissues using Monte Carlo simulation with a dynamic and heterogeneous tissue model</i> \$35,000 00	5/1/2012 ID 21002	\$0 00	\$35,000 00	\$0 00	\$24,000 00	\$11,000 00

Fiscal Year 2012

Recipient and/or Purpose	Tax Status	Beginning Balance 2012	Newly Allocated 2012	Amended 2012	Amount Paid 2012	Ending Balance 2012
College of Wooster						
1189 Beall Ave		\$0 00	\$100,000 00	\$0 00	\$62,000 00	\$38,000 00
Wooster, OH 44691						
<i>Microbial Degradation of Pharmaceuticals and Personal Care Products During Wastewater Treatment</i>						
\$100,000 00						
5/1/2012 ID 21004						
Lafayette College						
Quad Drive		\$0 00	\$35,000 00	\$0 00	\$16,250 00	\$18,750 00
Easton, PA 18042						
<i>Investigating potential amyloid-membrane interactions. The role of an auxilin-type molecular chaperone in yeast prion propagation</i>						
\$35,000 00						
5/1/2012 ID 21010						
University of Michigan, Dearborn						
4901 Evergreen Road		\$0 00	\$35,000 00	\$0 00	\$17,500 00	\$17,500 00
Dearborn, MI 48128-1491						
<i>Algal toxins as phosphatase inhibitors Identification of new targets and structure-activity characterization</i>						
\$35,000 00						
5/1/2012 ID 21014						
Xavier University of Louisiana						
One Drexel Drive		\$0 00	\$35,000 00	\$0 00	\$17,500 00	\$17,500 00
New Orleans, LA 70125						
<i>Aptamer-based biosensors with co-factor modulated enzyme signaling</i>						
\$35,000 00						
5/1/2012 ID 21015						

Fiscal Year 2012

Recipient and/or Purpose	Tax Status	Beginning Balance 2012	Newly Allocated 2012	Amended 2012	Amount Paid 2012	Ending Balance 2012
University of San Francisco 2130 Fulton Street San Francisco, CA 94117 <i>Rational Design, Chemical Synthesis, and Biochemical Evaluation of Small-Molecule Inhibitors of the LxvS Enzyme</i> \$35,000 00	5/1/2012 ID 21021	\$0 00	\$35,000 00	\$0 00	\$25,108 00	\$9,892 00
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	\$0 00	\$35,000 00	\$0 00	\$17,500 00	\$17,500 00
Texas State University, San Marcos 601 University Dr San Marcos, TX 78666 <i>Responsive Hydrogels Based on Binary Nucleic Acid Probes for Molecular Detection and Triggered Drug Release</i> \$35,000 00	5/1/2012 ID 21032	\$0 00	\$35,000 00	\$0 00	\$21,195 00	\$13,805 00
University of St. Thomas 2115 Summit Ave St Paul, MN 55105-1079 <i>Shedding Light on the Mechanism of Action of an Enzyme that Confers Resistance to a Common Antimicrobial Agent</i> \$35,000 00	5/1/2012 ID 21038	\$0 00	\$35,000 00	\$0 00	\$17,500 00	\$17,500 00

Fiscal Year 2012

Recipient and/or Purpose	Tax Status	Beginning Balance 2012	Newly Allocated 2012	Amended 2012	Amount Paid 2012	Ending Balance 2012
James Madison University 800 South Main St Harrisonburg, VA 22807 <i>Transient Glassy Dynamics of Dense Emulsions at the Particle Level</i> \$35,000 00 5/1/2012 ID 21041		\$0 00	\$35,000 00	\$0 00	\$18,609 00	\$16,391 00
Bowdoin College 5700 College Station Brunswick, ME 04011 <i>Synthesis of Peptoid/Thiopeptoid Hybrids as Polyproline Type II Helix Mimics</i> \$35,000 00 5/1/2012 ID 21046		\$0 00	\$35,000 00	\$0 00	\$18,574 00	\$16,426 00
Bard College PO Box 5000 Annandale-on-Hudson, NY 12504-5000 <i>Synthesis of Novel Purine Analogs and Evaluation of their Binding to Xanthine Phosphoribosyl Transferase (XPT) mRNA</i> \$35,000 00 5/1/2012 ID 21054		\$0 00	\$35,000 00	\$0 00	\$19,000 00	\$16,000 00
Pomona College 333 N College Way Claremont, CA 91711 <i>An integrated study of the enzymology, microbiology and geology of sulfur-based respiration from molecular mechanisms to the bio and geosphere</i> \$100,000 00 5/1/2012 ID 21071		\$0 00	\$100,000 00	\$0 00	\$58,500 00	\$41,500 00

Fiscal Year 2012

Recipient and/or Purpose	Tax Status	Beginning Balance 2012	Newly Allocated 2012	Amended 2012	Amount Paid 2012	Ending Balance 2012
University of Arizona Foundation						
1111 N Cherry Avenue Tucson, AZ 85721 <i>Arizona Assurance Scholar's Program</i> \$100,000 00		\$80,000 00	\$0 00	\$0 00	\$20,000 00	\$60,000 00
9/16/2011 ID 21079						
Franklin and Marshall College						
PO Box 3003 Lancaster, PA 17604 <i>Investigation of the effect of counter-propagating light on perturbative-regime frequency conversion</i> \$35,000 00		\$0 00	\$35,000 00	\$0 00	\$23,574 00	\$11,426 00
5/1/2012 ID 21084						
Hendrix College						
1600 Washington Avenue Conway, AR 72032-3080 <i>Visible Light Photocatalytic Oxidation of Amines to Iminium Ions Amine Scope and Mannich Cyclizations with Allyl and Vinyl Silanes</i> \$35,000 00		\$0 00	\$35,000 00	\$0 00	\$21,005 00	\$13,995 00
5/1/2012 ID 21087						
Illinois State University						
Campus Box 8000 Normal, IL 61790-8000 <i>Toward the Building Blocks for the Convergent Total Synthesis of Murotolide A</i> \$35,000 00		\$0 00	\$35,000 00	\$0 00	\$17,500 00	\$17,500 00
5/1/2012 ID 21093						

Fiscal Year 2012

Recipient and/or Purpose	Tax Status	Beginning Balance 2012	Newly Allocated 2012	Amended 2012	Amount Paid 2012	Ending Balance 2012
Lewis and Clark College 0615 S W Palatine Hill Road Portland, OR 97219 <i>Understanding Noise from Quantum Interference for a Novel Atomic Magnetometer</i> \$35,000 00 5/1/2012 ID 21101		\$0 00	\$35,000 00	\$0 00	\$19,642 00	\$15,358 00
University of St. Thomas 2115 Summit Ave St Paul, MN 55105-1079 <i>Characterization of the Interaction Between Cell-Penetrating Compounds and Glycosaminoglycans</i> \$35,000 00 5/1/2012 ID 21106		\$0 00	\$35,000 00	\$0 00	\$18,647 00	\$16,353 00
Western Washington University 516 High Street Bellingham, WA 98225 <i>Conducting Polymer/Nanoparticle Interfacial Layers for Hydrogen Fuel Cells</i> \$35,000 00 5/1/2012 ID 21109		\$0 00	\$35,000 00	\$0 00	\$23,158 00	\$11,842 00
California State University, Fullerton P O Box 34080 Fullerton, CA 92834-6850 <i>Discovery and Optimization of Small Molecule Inhibitors for the Botulinum Neurotoxin Type E Light Chain</i> \$35,000 00 5/1/2012 ID 21110		\$0 00	\$35,000 00	\$0 00	\$18,235 00	\$16,765 00

Fiscal Year 2012

Recipient and/or Purpose	Tax Status	Beginning Balance 2012	Newly Allocated 2012	Amended 2012	Amount Paid 2012	Ending Balance 2012
University of Denver						
2199 S University Blvd Denver, CO 80208-0001 <i>Holographic Spectrum Splitting for Multijunction Organic Photovoltaics</i> \$33,333 00		\$33,333 00	\$0 00	\$0 00	\$33,333 00	\$0 00
10/15/2011 ID 21703						
Western Washington University						
516 High Street Bellingham, WA 98225 <i>Novel Low-Loss Plasmonic Waveguides to Create High Efficiency PV from Ultra-Thin Organic and Low-Purity Earth Abundant Inorganic Layers</i> \$33,333 00		\$33,333 33	\$0 00	(\$0 33)	\$33,333 00	\$0 00
10/15/2011 ID 21719						
University of Washington						
301 Gerberding Hall Seattle, WA 98195 <i>Novel Low-Loss Plasmonic Waveguides to Create High Efficiency PV from Ultra-Thin Organic and Low-Purity Earth Abundant Inorganic Layers</i> \$33,334 00		\$33,334 00	\$0 00	\$0 00	\$33,334 00	\$0 00
11/12/2011 ID 21721						
University of Arizona						
1401 E University Blvd Tucson, AZ 85721 <i>Holographic Spectrum Splitting for Multijunction Organic Photovoltaics</i> \$33,333 00		\$33,333 00	\$0 00	\$0 00	\$33,333 00	\$0 00
10/15/2011 ID 21722						

Fiscal Year 2012

Recipient and/or Purpose	Tax Status	Beginning Balance 2012	Newly Allocated 2012	Amended 2012	Amount Paid 2012	Ending Balance 2012
University of Washington 301 Gerberding Hall Seattle, WA 98195 <i>Novel Low-Loss Plasmonic Waveguides to Create High Efficiency PV from Ultra-Thin Organic and Low-Purity Earth Abundant Inorganic Layers</i> \$33,333 00 10/15/2011 ID. 21723		\$33,333 33	\$0 00	(\$0 33)	\$33,333 00	\$0 00
University of Washington 301 Gerberding Hall Seattle, WA 98195 <i>Holographic Spectrum Splitting for Multijunction Organic Photovoltaics</i> \$33,334 00 11/11/2011 ID 21724		\$33,334 00	\$0 00	\$0 00	\$33,334 00	\$0 00
University of California, Davis One Shields Avenue Davis, CA 95616 <i>Fractals as a Promising Geometry for Enhanced Solar Energy Conversion</i> \$30,000 00 10/15/2011 ID 21725		\$30,000 00	\$0 00	\$0 00	\$30,000 00	\$0 00
University of Denver 2199 S University Blvd Denver, CO 80208-0001 <i>Fractals as a Promising Geometry for Enhanced Solar Energy Conversion</i> \$30,000 00 10/15/2011 ID 21726		\$30,000 00	\$0 00	\$0 00	\$30,000 00	\$0 00

Fiscal Year 2012

Recipient and/or Purpose	Tax Status	Beginning Balance 2012	Newly Allocated 2012	Amended 2012	Amount Paid 2012	Ending Balance 2012
University of Oregon Eugene, OR 97403 <i>Fractals as a Promising Geometry for Enhanced Solar Energy Conversion</i> \$20,000 00 10/15/2011 ID 21727		\$20,000 00	\$0 00	\$0 00	\$20,000 00	\$0 00
University of California, Merced 5200 N Lake Road Merced, CA 95343 <i>Fractals as a Promising Geometry for Enhanced Solar Energy Conversion</i> \$20,000 00 10/15/2011 ID 21728		\$20,000 00	\$0 00	\$0 00	\$20,000 00	\$0 00
University of Arizona 1401 E University Blvd Tucson, AZ 85721 <i>Solar Chimney Power Plant Research - Scientific Analysis of Scaled Model</i> \$14,000 00 4/1/2012 ID 22159		\$0 00	\$14,000 00	\$0 00	\$14,000 00	\$0 00
University of Arizona 1401 E University Blvd Tucson, AZ 85721 <i>Novel therapeutics for the reversal of chronic pain</i> \$14,000 00 4/1/2012 ID 22161		\$0 00	\$14,000 00	\$0 00	\$14,000 00	\$0 00
University of Arizona 1401 E University Blvd Tucson, AZ 85721 <i>Preparation and spectroscopy of graphene nano-fragments</i> \$14,000 00 4/1/2012 ID 22162		\$0 00	\$14,000 00	\$0 00	\$14,000 00	\$0 00

Fiscal Year 2012

Recipient and/or Purpose	Tax Status	Beginning Balance 2012	Newly Allocated 2012	Amended 2012	Amount Paid 2012	Ending Balance 2012
University of Arizona						
1401 E University Blvd Tucson, AZ 85721 <i>Maximizing the efficiency of histone deacetylase inhibitors in treatment of Non-Hodgkins Lymphoma. Preclinical studies</i>		\$0 00	\$14,000 00	\$0 00	\$14,000 00	\$0 00
\$14,000 00 2/1/2012 ID 22163						
University of Arizona						
1401 E University Blvd Tucson, AZ 85721 <i>Research in concentrator PV system optimization</i>		\$50,000 00	\$0 00	\$0 00	\$50,000 00	\$0 00
\$50,000 00 12/30/2011 ID 22171						
Arizona Friends of Chamber Music						
7824 East Mc Gee Mountain Road Tucson, AZ 85750 <i>18th Annual Tucson Winter Chamber Music Festival</i>		\$0 00	\$0 00	(\$1,000 00)	(\$1,000 00)	\$0 00
\$0 00 12/29/2011 ID 22205						
Arizona Center for Innovation, LLC						
9040 S Rita Road, Suite 1100 Tucson, AZ 85712 <i>Innovation Day 2012</i>		\$0 00	\$10,000 00	\$0 00	\$10,000 00	\$0 00
\$10,000 00 1/18/2012 ID 22236						

Fiscal Year 2012

Recipient and/or Purpose	Tax Status	Beginning Balance 2012	Newly Allocated 2012	Amended 2012	Amount Paid 2012	Ending Balance 2012
University High School 421 N Arcadia Blvd Tucson, AZ 85711 <i>Investigation of the Orientation of Multiple Layers of CVD Graphene on Copper Substrates</i> \$4,773 00		\$0 00	\$4,773 00	\$0 00	\$4,773 00	\$0 00
2/1/2012 ID 22246						
ACS Division of Chemical Education 2225 S Earl Ave Lafayette, IN 47908-2266 <i>ACS Presidential Initiatives</i> \$10,000 00		\$0 00	\$10,000 00	\$0 00	\$10,000 00	\$0 00
2/10/2012 ID 22247						
NPR Science Friday Science Friday 140 Grove Street Unit 3-1 Stamford, CT 06901 <i>Science Friday Initiative</i> \$20,000 00		\$0 00	\$20,000 00	\$0 00	\$20,000 00	\$0 00
2/14/2012 ID 22248						
Connecticut College 270 Mohegan Avenue New London, CT 06320- <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
3/5/2012 ID 22249						
University of Tennessee, Chattanooga 615 McCallie Avenue Chattanooga, TN 37403 <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
3/5/2012 ID 22250						

Fiscal Year 2012

Recipient and/or Purpose	Tax Status	Beginning Balance 2012	Newly Allocated 2012	Amended 2012	Amount Paid 2012	Ending Balance 2012
American Association for the Advancement of Science						
1200 New York Ave NW Washington, DC 20005 <i>ELISS Support</i> \$10,000 00	3/5/2012 ID 22251	\$0 00	\$10,000 00	\$0 00	\$10,000 00	\$0 00
Bio5 Institute						
The University of Arizona 1657 E Helen St Tucson, AZ 85721 <i>(KEYS) Keep Engaging Youth in Science</i> \$5,000 00	3/5/2012 ID 22252	\$0 00	\$5,000 00	\$0 00	\$5,000 00	\$0 00
Ford Burkhardt						
604 East First Street Tucson, AZ 85705 <i>Science Writing Workshop for High School Teachers</i> \$500 00	3/5/2012 ID 22254	\$0 00	\$500 00	\$0 00	\$500 00	\$0 00
CuresNow						
c/o Brentwood Management 11812 San Vicente Blvd Ste 200 Los Angeles, CA 90049 <i>The Science of Fiction</i> \$20,000 00	6/4/2012 ID 22256	\$0 00	\$20,000 00	\$0 00	\$20,000 00	\$0 00

Fiscal Year 2012

Recipient and/or Purpose	Tax Status	Beginning Balance 2012	Newly Allocated 2012	Amended 2012	Amount Paid 2012	Ending Balance 2012
CuresNow						
c/o Brentwood Management 11812 San Vicente Blvd Ste 200 Los Angeles, CA 90049 <i>The Science of Fiction"</i> \$10,000 00		\$0 00	\$10,000 00	\$0 00	\$10,000 00	\$0 00
6/6/2012 ID 22257						
University of Arizona						
1401 E University Blvd Tucson, AZ 85721 <i>UA College of Science Lecture Series</i> \$15,000 00		\$0 00	\$15,000 00	\$0 00	\$15,000 00	\$0 00
6/15/2012 ID 22258						
Association of American Universities						
<i>Undergraduate STEM Education Foundations Workshop</i> \$15,000 00		\$0 00	\$15,000 00	\$0 00	\$15,000 00	\$0 00
6/20/2012 ID 22259						
University of Utah						
2020 Henry Eyring Building Salt Lake City, UT 84112 <i>Mobilizing the Forgotten Army Equipping TAs with Inquiry-Based Instruction Methods.</i> \$25,000 00		\$0 00	\$25,000 00	\$0 00	\$25,000 00	\$0 00
8/1/2012 ID 22324						
University of Pittsburgh						
Pittsburgh, PA 15213 <i>Cottrell Repository for Effective Science Teaching (CREST)</i> \$25,000 00		\$0 00	\$25,000 00	\$0 00	\$25,000 00	\$0 00
8/1/2012 ID 22325						

Fiscal Year 2012

Recipient and/or Purpose	Tax Status	Beginning Balance 2012	Newly Allocated 2012	Amended 2012	Amount Paid 2012	Ending Balance 2012
University of Southern California						
University Park Campus						
Los Angeles, CA 90089						
<i>Effective Evaluation of Teaching and Learning (EETL) - Searching for New Approaches to R1 STEM Teaching Evaluation</i>		\$0 00	\$25,000 00	\$0 00	\$25,000 00	\$0 00
\$25,000 00						
8/1/2012 ID 22326						
University of Wisconsin, Madison						
500 Lincoln Drive		\$0 00	\$25,000 00	\$0 00	\$25,000 00	\$0 00
Madison, WI 53706						
<i>Cottrell Comic Challenge Project (CCCCP)</i>						
<i>A Pilot Program for Attracting and Developing Graphic Talent for a Novel Outreach Project</i>						
\$25,000 00						
8/1/2012 ID 22327						
Carleton College						
One N College Street		\$0 00	\$5,064 35	(\$0 35)	\$5,064 00	\$0 00
Northfield, MN 55057						
<i>Combining Organic Synthesis and Biochemistry to Study Siderophore Biosynthesis in Fungi</i>						
\$5,064 00						
8/16/2012 ID 22330						
University of Utah						
2020 Henry Eyring Building		\$0 00	\$0 00	\$125,000 00	\$125,000 00	\$0 00
Salt Lake City, UT 84112						
<i>Nanoplasmonic focusing of light fields to amplify non-linear optical effects in composite photovoltaics</i>						
\$125,000 00						
4/1/2010 ID 22331						

Fiscal Year 2012

Recipient and/or Purpose	Tax Status	Beginning Balance 2012	Newly Allocated 2012	Amended 2012	Amount Paid 2012	Ending Balance 2012
Davidson College 209 Ridge Road PO Box 7171 Davidson, NC 28035- <i>The Synthesis and Evaluation of Carbohydrate-Porphyrin Conjugates as Asymmetric Catalysts</i> \$17,752 00 10/18/2012 ID 22332		\$0 00	\$17,752 00	\$0 00	\$17,752 00	\$0 00
Boston University One Silber Way Boston, MA 02215 <i>Photo-induced CO2 Reduction Using Reverse TCA Cycle Enzymes</i> \$50,000 00 11/8/2012 ID 22344		\$0 00	\$50,000 00	\$0 00	\$0 00	\$50,000 00
University of Denver 2199 S University Blvd Denver, CO 80208-0001 <i>Supramolecular Non-Fullerene Electron Acceptors for Organic PVs--A Pathway Towards 20% Efficient Cells a Cost Less than \$0.50/W</i> \$25,000 00 11/8/2012 ID 22345		\$0 00	\$25,000 00	\$0 00	\$0 00	\$25,000 00
University of Florida 219 Grinter Hall PO Box 115500 Gainesville, FL 32611 <i>BaSi2, a New Earth-Abundant Solar Cell Material</i> \$40,000 00 11/8/2012 ID 22351		\$0 00	\$40,000 00	\$0 00	\$0 00	\$40,000 00

Fiscal Year 2012

Recipient and/or Purpose	Tax Status	Beginning Balance 2012	Newly Allocated 2012	Amended 2012	Amount Paid 2012	Ending Balance 2012
University of Colorado at Boulder						
914 Broadway Boulder, CO 80309 <i>Photo-induced CO2 Reduction Using Reverse TCA Cycle Enzymes</i> \$50,000 00		\$0 00	\$50,000 00	\$0 00	\$0 00	\$50,000 00
10/15/2012 ID 22354						
Colorado School of Mines						
1500 Illinois Street Golden, CO 80401 <i>Supramolecular Non-Fullerene Electron Acceptors for Organic PVs--A Pathway Towards 20% Efficient Cells a Cost Less than \$0 50/W</i> \$50,000 00		\$0 00	\$50,000 00	\$0 00	\$0 00	\$50,000 00
11/8/2012 ID 22355						
University of California, Santa Barbara						
5221 Cheadle Hall Santa Barbara, CA 93106-9510 <i>Supramolecular Non-Fullerene Electron Acceptors for Organic PVs--A Pathway Towards 20% Efficient Cells a Cost Less than \$0 50/W</i> \$25,000 00		\$0 00	\$25,000 00	\$0 00	\$0 00	\$25,000 00
11/8/2012 ID 22356						
University of Wisconsin, Madison						
500 Lincoln Drive Madison, WI 53706 <i>BaSi2, a New Earth-Abundant Solar Cell Material</i> \$40,000 00		\$0 00	\$40,000 00	\$0 00	\$0 00	\$40,000 00
11/8/2012 ID 22357						

Fiscal Year 2012

Recipient and/or Purpose	Tax Status	Beginning Balance 2012	Newly Allocated 2012	Amended 2012	Amount Paid 2012	Ending Balance 2012
University of Illinois at Urbana-Champaign						
600 S Mathews Avenue Urbana, IL 61801 <i>BaSi2, a New Earth-Abundant Solar Cell</i> <i>Material</i> \$20,000 00		\$0 00	\$20,000 00	\$0 00	\$0 00	\$20,000 00
11/8/2012 ID 22358						
National Academy of Sciences						
500 Fifth Street NW Washington, DC 20001 <i>NRC Synthesis Document</i> \$15,000 00		\$0 00	\$15,000 00	\$0 00	\$15,000 00	\$0 00
11/14/2012 ID 22359						
Galileo Circle / UAF						
<i>Galileo Circle</i> \$5,000 00		\$0 00	\$5,000 00	\$0 00	\$5,000 00	\$0 00
11/19/2012 ID 22360						
Literacy Connects						
2850 East Speedway Blvd Tucson, AZ 85716 <i>Literate Worker Initiative Expansion</i> \$5,000 00		\$0 00	\$5,000 00	\$0 00	\$5,000 00	\$0 00
11/19/2012 ID 22361						
Institute of the Environment						
4715 E Ft Lowell Road Tucson, AZ 85712 <i>Rachel Carson Scholars Program</i> \$5,000 00		\$0 00	\$5,000 00	\$0 00	\$5,000 00	\$0 00
11/19/2012 ID 22362						

Fiscal Year 2012

Recipient and/or Purpose	Tax Status	Beginning Balance 2012	Newly Allocated 2012	Amended 2012	Amount Paid 2012	Ending Balance 2012
National Academy of Sciences 500 Fifth Street NW Washington, DC 20001 <i>Science and Entertainment Exchange-Increasing Public Awareness, Phase II</i> \$20,000 00 11/20/2012 ID 22363		\$0 00	\$20,000 00	\$0 00	\$20,000 00	\$0 00
American Physical Society One Physics Ellipse College Park, MD 20740-3844 \$26,000 00 11/28/2012 ID 22364		\$0 00	\$26,000 00	\$0 00	\$13,000 00	\$13 000 00
Columbia University 3000 Broadway New York, NY 10027 <i>Bridge to the PhD Program</i> \$5,000 00 12/5/2012 ID 22367		\$0 00	\$5,000 00	\$0 00	\$5,000 00	\$0 00
The Loft Cinema Foundation 3233 East Speedway Tucson, AZ 85716 <i>Science Fiction and Education</i> \$25,000 00 12/5/2012 ID 22368		\$0 00	\$25,000 00	\$0 00	\$25,000 00	\$0 00
University of Arizona Cancer Center 1515 N Campbell Avenue P O Box 245013 Tucson, AZ 85724-5013 \$1,000 00 12/13/2012 ID 22376		\$0 00	\$1,000 00	\$0 00	\$1,000 00	\$0 00
Grand Total (198 items)		\$2,234,332 97	\$3,316,089 35	(\$48,582 66)	\$4,132,590 66	\$1,369,249 00

RESEARCH CORPORATION
EIN: 13-1963407

FORM 990-PF, Part IX-A, Summary of Direct Charitable Activities
STATEMENT 21

	2012 NET PROGRAM AWARD PAID	2012 INDIRECT EXPENSES ALLOCATED	2012 TOTAL PROGRAM EXPENSE
AWARD PROGRAMS:			
DPARTMENT DEVELOPMENT AWARDS	\$ 188,645 00	\$ 200,310.00	\$ 388,955.00
SCIALOG	\$ 862,500.66	915,836.50	1,778,337 16
COTTRELL SCHOLAR'S AWARDS	\$ 925,000 00	982,200 00	1,907,200.00
PARTNER IN SCIENCE AWARDS	\$ 60,773.00	64,531.00	125,304 00
PRESIDENT'S DISCRETIONARY AWARDS	\$ 272,518.31	289,370 00	561,888 31
COTTRELL COLLEGE SCIENCE AWARDS	\$ 1,819,920.00	1,932,460.00	3,752,380 00
GENERAL AWARDS	\$ -	-	-
	\$ 4,129,356 97	\$ 4,384,706 60	\$ 8,514,064.47
OTHER PROGRAM.			
CHARITABLE CONTRIBUTIONS	40,471 43		40,471 43
TOTAL PROGRAM	<u>\$ 4,169,828 40</u>	<u>\$ 4,384,706 60</u>	<u>\$ 8,554,535 90</u>

8868

(Rev. January 2013)

Department of the Treasury
Internal Revenue Service**Application for Extension of Time To File an
Exempt Organization Return**

OMB No 1545-1709

► File a separate application for each return.

- 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

Type or print File by the due date for filing your return. 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 E. Camp Lowell, 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	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 E. CAMP LOWELL, SUITE 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, 2013

, to file the exempt organization return for the organization named above. The extension is for the organization's return for:

► ☒ calendar year **2012** 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 Form 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 Form 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 fund withdrawal with this Form 8868, see Form 8453-EO and Form 8879-EO for payment instructions

LHA For Privacy Act and Paperwork Reduction Act Notice, see instructions.

Form 8868 (Rev. 1-2013)

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

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).

		Enter filer's identifying number, see instructions	
Type or print	Name of exempt organization or other filer, see instructions	Employer identification number (EIN) or	
File by the due date for filing your return. See instructions	RESEARCH CORPORATION DBA Research Corporation for Science Advancement	13-1963407	
	Number, street, and room or suite no. If a P O box, see instructions.	Social security number (SSN)	
	4703 E. Camp Lowell, No. 201		
	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	08
Form 990-BL	02	Form 1041-A	09
Form 4720 (individual)	03	Form 4720	10
Form 990-PF	04	Form 5227	11
Form 990-T (sec. 401(a) or 408(a) trust)	05	Form 6069	12
Form 990-T (trust other than above)	06	Form 8870	

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 E. CAMP LOWELL, SUITE 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, 2013

5 For calendar year 2012, 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

Taxpayer respectfully requests additional time to gather information necessary to file a complete and accurate tax return.

8a	If this application is for Form 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 Form 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 ☒ Danny Gasch Title ☒ CPA

Date ☒ 8/5/13

Form 8868 (Rev. 1-2013)