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Return of Private Foundation

or Section 4947(a)(1) Nonexempt Charitable Trust

Treated as a Private Foundation

OMB No 1545-0052

2009

Department of the Treasury
Internal Revenue Service

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

For calendar year 2009, or tax year beginning , and ending

G Check all that apply: ☐ Initial return ☐ Initial return of a former public charity ☐ Final return
☐ Amended return ☐ Address change ☐ Name change

Use the IRS label Otherwise, print or type See Specific Instructions.	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)	Room/suite	B Telephone number 571-1111
	4703 E. Camp Lowell		
	City or town, state, and ZIP code Tucson, AZ 85712		
H Check type of organization: ☒ Section 501(c)(3) exempt private foundation ☐ Section 4947(a)(1) nonexempt charitable trust ☐ Other taxable private foundation			C If exemption application is pending, check here ☐ D 1. Foreign organizations, check here ☐ 2. Foreign organizations meeting the 85% test, check here and attach computation ☐
I Fair market value of all assets at end of year (from Part II, col (c), line 16) \$ 139,582,083. (Part I, column (d) must be on cash basis.)		J Accounting method ☐ Cash ☒ Accrual ☐ Other (specify) _____	E If private foundation status was terminated under section 507(b)(1)(A), check here ☐ F If the foundation is in a 60-month termination under section 507(b)(1)(B), check here ☐

Part I Analysis of Revenue and Expenses (The total of amounts in columns (b), (c), and (d) may not necessarily equal the amounts in column (a))		(a) Revenue and expenses per books	(b) Net investment income	(c) Adjusted net income	(d) Disbursements for charitable purposes (cash basis only)
Revenue	1 Contributions, gifts, grants, etc., received				
	2 Check ☒ If the foundation is not required to attach Sch B				
	3 Interest on savings and temporary cash investments	1,750,000.	1,750,000.	1,750,000.	
	4 Dividends and interest from securities	3,768,350.	3,768,350.	3,768,350.	
	5a Gross rents	<266,123.>	<266,123.>	<266,123.>	
	b Net rental income or (loss)	<266,123.>			
	6a Net gain or (loss) from sale of assets not on line 10	<10095557.>			
	b Gross sales price for all assets on line 6a	<10095557.>			
	7 Capital gain net income (from Part IV, line 2)		0.		
	8 Net short-term capital gain			0.	
	9 Income modifications				
	10a Gross sales less returns and allowances				
b Less Cost of goods sold					
c Gross profit or (loss)					
11 Other income	<710,512.>	<710,512.>	<710,512.>		
12 Total Add lines 1 through 11	<5,553,842.>	4,541,715.	4,541,715.		
Operating and Administrative Expenses	13 Compensation of officers, directors, trustees, etc	567,100.	61,745.	0.	505,355.
	14 Other employee salaries and wages	587,210.	0.	0.	587,210.
	15 Pension plans, employee benefits	672,565.	0.	0.	672,565.
	16a Legal fees	33,815.	0.	0.	33,815.
	b Accounting fees	58,842.	9,707.	0.	49,135.
	c Other professional fees	119,628.	0.	0.	119,628.
	17 Interest	231,505.	231,505.	0.	0.
	18 Taxes	402,769.	0.	0.	73,781.
	19 Depreciation and depletion	109,106.	0.	0.	
	20 Occupancy	282,473.	0.	0.	282,473.
	21 Travel, conferences, and meetings	275,815.	0.	0.	275,815.
	22 Printing and publications	883.	0.	0.	883.
	23 Other expenses	690,520.	163,431.	0.	182,012.
	24 Total operating and administrative expenses Add lines 13 through 23	4,032,231.	466,388.	0.	2,782,672.
	25 Contributions, gifts, grants paid	4,185,921.			5,311,018.
26 Total expenses and disbursements Add lines 24 and 25	8,218,152.	466,388.	0.	8,093,690.	
27 Subtract line 26 from line 12:					
a Excess of revenue over expenses and disbursements	<13771994.>				
b Net investment income (if negative, enter -0-)		4,075,327.			
c Adjusted net income (if negative, enter -0-)			4,541,715.		

g14

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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			357,643.	150,264.	150,264.
	2 Savings and temporary cash investments			1,629,892.	531,035.	531,035.
	3 Accounts receivable ▶					
	Less allowance for doubtful accounts ▶					
	4 Pledges receivable ▶					
	Less allowance for doubtful accounts ▶					
	5 Grants receivable					
	6 Receivables due from officers, directors, trustees, and other disqualified persons					
	7 Other notes and loans receivable ▶ 1,478,463.		Statement 11			
	Less allowance for doubtful accounts ▶			1,558,958.	1,478,463.	1,478,463.
	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 12			56,543,104.	69,894,409.	69,894,409.
	c Investments - corporate bonds					
Liabilities	11 Investments - land, buildings, and equipment basis ▶					
	Less accumulated depreciation ▶					
	12 Investments - mortgage loans					
	13 Investments - other Stmt 13			55,936,545.	66,847,264.	66,847,264.
	14 Land, buildings, and equipment: basis ▶ 798,191.					
	Less accumulated depreciation Stmt 14 ▶ 514,263.			393,034.	283,928.	283,928.
	15 Other assets (describe ▶ Statement 15)			445,948.	396,720.	396,720.
	16 Total assets (to be completed by all filers)			116,865,124.	139,582,083.	139,582,083.
	17 Accounts payable and accrued expenses			366,858.	588,801.	
	18 Grants payable			4,491,692.	3,535,259.	
Net Assets or Fund Balances	19 Deferred revenue					
	20 Loans from officers, directors, trustees, and other disqualified persons					
	21 Mortgages and other notes payable					
	22 Other liabilities (describe ▶ Statement 16)			13,169,074.	13,760,772.	
	23 Total liabilities (add lines 17 through 22)			18,027,624.	17,884,832.	
Net Assets or Fund Balances	Foundations that follow SFAS 117, check here ▶ ☒ and complete lines 24 through 26 and lines 30 and 31					
	24 Unrestricted			98,837,500.	121,697,251.	
	25 Temporarily restricted					
	26 Permanently restricted					
	Foundations that do not follow SFAS 117, check here ▶ ☐ and complete lines 27 through 31					
	27 Capital stock, trust principal, or current funds					
	28 Paid-in or capital surplus, or land, bldg., and equipment fund					
	29 Retained earnings, accumulated income, endowment, or other funds					
Net Assets or Fund Balances	30 Total net assets or fund balances			98,837,500.	121,697,251.	
	31 Total liabilities and net assets/fund balances			116,865,124.	139,582,083.	

Part III Analysis of Changes in Net Assets or Fund Balances

1 Total net assets or fund balances at beginning of year - Part II, column (a), line 30 (must agree with end-of-year figure reported on prior year's return)	1 98,837,500.
2 Enter amount from Part I, line 27a	2 <13,771,994.>
3 Other increases not included in line 2 (itemize) ▶ NET UNREALIZED GAIN ON INVESTMENTS	3 37,050,827.
4 Add lines 1, 2, and 3	4 122,116,333.
5 Decreases not included in line 2 (itemize) ▶ See Statement 10	5 419,082.
6 Total net assets or fund balances at end of year (line 4 minus line 5) - Part II, column (b), line 30	6 121,697,251.

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 18	P	Various	Various
b See Part IV Schedule - Statement 18	P	Various	Various
c See Part IV Schedule - Statement 18	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 <2,292,853.>			<2,292,853.>
b <7,937,086.>			<7,937,086.>
c 134,382.			134,382.
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			<2,292,853.>
b			<7,937,086.>
c			134,382.
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	<10,095,557.>
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	<2,292,853.>

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 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))
2008			
2007			
2006			
2005			
2004			

2 Total of line 1, column (d)	2
3 Average distribution ratio for the 5-year base period - divide the total on line 2 by 5, or by the number of years the foundation has been in existence if less than 5 years	3
4 Enter the net value of noncharitable-use assets for 2009 from Part X, line 5	4
5 Multiply line 4 by line 3	5
6 Enter 1% of net investment income (1% of Part I, line 27b)	6
7 Add lines 5 and 6	7
8 Enter qualifying distributions from Part XII, line 4	8

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

Part VI Excise Tax Based on Investment Income (Section 4940(a), 4940(b), 4940(e), or 4948 - see instructions)

1a	Exempt operating foundations described in section 4940(d)(2), check here ☒ and enter "N/A" on line 1. Date of ruling or determination letter <u>06/25/87</u> (attach copy of letter if necessary-see instructions)	1	N/A
b	Domestic foundations that meet the section 4940(e) requirements in Part V, check here ☐ and enter 1% of Part I, line 27b		
c	All other domestic foundations enter 2% of line 27b. Exempt foreign organizations enter 4% of Part I, line 12, col. (b)		
2	Tax under section 511 (domestic section 4947(a)(1) trusts and taxable foundations only. Others enter -0-)	2	
3	Add lines 1 and 2	3	
4	Subtitle A (income) tax (domestic section 4947(a)(1) trusts and taxable foundations only. Others enter -0-)	4	
5	Tax based on investment income. Subtract line 4 from line 3. If zero or less, enter -0-	5	0.
6	Credits/Payments		
a	2009 estimated tax payments and 2008 overpayment credited to 2009	6a	
b	Exempt foreign organizations - tax withheld at source	6b	
c	Tax paid with application for extension of time to file (Form 8868)	6c	
d	Backup withholding erroneously withheld	6d	
7	Total credits and payments. Add lines 6a through 6d	7	0.
8	Enter any penalty for underpayment of estimated tax. Check here ☐ if Form 2220 is attached	8	
9	Tax due. If the total of lines 5 and 8 is more than line 7, enter amount owed	9	0.
10	Overpayment. If line 7 is more than the total of lines 5 and 8, enter the amount overpaid	10	
11	Enter the amount of line 10 to be credited to 2010 estimated tax ☐ Refunded ☐	11	

Part VII-A Statements Regarding Activities

	Yes	No
1a During the tax year, did the foundation attempt to influence any national, state, or local legislation or did it participate or intervene in any political campaign?		X
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
c Did the foundation file Form 1120-POL for this year?		X
d Enter the amount (if any) of tax on political expenditures (section 4955) imposed during the year: (1) On the foundation ☐ \$ 0. (2) On foundation managers ☐ \$ 0.		
e Enter the reimbursement (if any) paid by the foundation during the year for political expenditure tax imposed on foundation managers ☐ \$ 0.		
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>AZ, AL, CA, CT, CO, DC, DE, IL, MD, NC, NY, PA, TX, VA, MS, SC</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 2009 or the taxable year beginning in 2009 (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

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 acquire a direct or indirect interest in any applicable insurance contract before August 17, 2008?

12		X
----	--	---

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

13	X	
----	---	--

Website address **WWW.RESCORP.ORG**

14 The books are in care of **DANNY GASCH, CFO**

Telephone no. **520-571-1111**

Located at **4703 E. CAMP LOWELL, SUITE 201, TUCSON, AZ**

ZIP+4 **85712**

15 Section 4947(a)(1) nonexempt charitable trusts filing Form 990-PF in lieu of Form 1041 - Check here ☐

and enter the amount of tax-exempt interest received or accrued during the year

15

N/A

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

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

1a During the year did the foundation (either directly or indirectly):

(1) Engage in the sale or exchange, or leasing of property with a disqualified person?

☐ Yes ☒ 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 page 20 of the 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 2009?

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 2009, did the foundation have any undistributed income (lines 6d and 6e, Part XIII) for tax year(s) beginning before 2009?

☐ 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 2009 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 2009.)

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 2009?

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

X

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 17		567,100.	111,775.	54,585.

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	117,375.	22,000.	11,735.
RICHARD WIENER - 4703 E. CAMP LOWELL, #201, TUCSON, AZ 85712	PROGRAM OFFICER 40.00	112,750.	11,275.	11,275.
DAN HUFF - 4703 E. CAMP LOWELL, #201, TUCSON, AZ 85712	DIR. OF COMMUNICATIONS 40.00	74,825.	7,485.	7,485.
LINDA NEEFE - 4703 E. CAMP LOWELL, #201, TUCSON, AZ 85712	EX. ASST. TO THE PRESIDENT 40.00	67,650.	8,200.	6,765.
TOMMY GOODENOW - 4703 E. CAMP LOWELL, #201, TUCSON, AZ 85712	NETWORK ADMINISTRATOR 40.00	58,700.	5,870.	5,870.
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	683,524.
CAPITAL GUARDIAN TRUST COMPANY P.O. BOX 35353, SANTA ANA, CA 92799-5353	INVESTMENT MANAGEMENT	238,433.
GOODMAN MEDIA - 750 SEVENTH AVENUE, 28TH FLOOR, NEW YORK, NY 10019	FUNDRAISING/MEDIA CONSULTING	88,056.
CHANGING OUR WORLD - 220 EAST 42ND STREET, 5TH FLOOR, NEW YORK, NY 10017	FUNDRAISING/MEDIA CONSULTING	75,000.
J. LEOPOLD CONSULTING 3909 O'NEILL DRIVE, SAN MATEO, CA 94403-3637	SCIENTIFIC CONSULTING	72,750.
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 20	
2	0.
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	
3 All other program-related investments. See instructions	
Total. Add lines 1 through 3	0.

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

1	Fair market value of assets not used (or held for use) directly in carrying out charitable, etc., purposes:		
a	Average monthly fair market value of securities	1a	60,418,175.
b	Average of monthly cash balances	1b	982,306.
c	Fair market value of all other assets	1c	69,006,375.
d	Total (add lines 1a, b, and c)	1d	130,406,856.
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	130,406,856.
4	Cash deemed held for charitable activities. Enter 1 1/2% of line 3 (for greater amount, see instructions)	4	1,956,103.
5	Net value of noncharitable-use assets. Subtract line 4 from line 3. Enter here and on Part V, line 4	5	128,450,753.
6	Minimum investment return. Enter 5% of line 5	6	6,422,538.

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 2009 from Part VI, line 5	2a	
b	Income tax for 2009. (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	8,093,690.
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	8,093,690.
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	8,093,690.

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

Part XIII Undistributed Income (see instructions)

	(a) Corpus	(b) Years prior to 2008	(c) 2008	(d) 2009
1 Distributable amount for 2009 from Part XI, line 7				0.
2 Undistributed income, if any, as of the end of 2009				
a Enter amount for 2008 only			0.	
b Total for prior years:		0.		
3 Excess distributions carryover, if any, to 2009				
a From 2004				
b From 2005				
c From 2006				
d From 2007				
e From 2008				
f Total of lines 3a through e	0.			
4 Qualifying distributions for 2009 from Part XII, line 4 ▶ \$ N/A				
a Applied to 2008, but not more than line 2a			0.	
b Applied to undistributed income of prior years (Election required - see instructions)		0.		
c Treated as distributions out of corpus (Election required - see instructions)	0.			
d Applied to 2009 distributable amount				0.
e Remaining amount distributed out of corpus	0.			
5 Excess distributions carryover applied to 2009 (If an amount appears in column (d), the same amount must be shown in column (a).)	0.			0.
6 Enter the net total of each column as indicated below.	0.			
a Corpus. Add lines 3f, 4c, and 4e. Subtract line 5.	0.			
b Prior years' undistributed income. Subtract line 4b from line 2b.		0.		
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.		0.		
d Subtract line 6c from line 6b. Taxable amount - see instructions.		0.		
e Undistributed income for 2008. Subtract line 4a from line 2a. Taxable amount - see instr.			0.	
f Undistributed income for 2009. Subtract lines 4d and 5 from line 1. This amount must be distributed in 2010.				0.
7 Amounts treated as distributions out of corpus to satisfy requirements imposed by section 170(b)(1)(F) or 4942(g)(3).	0.			
8 Excess distributions carryover from 2004 not applied on line 5 or line 7.	0.			
9 Excess distributions carryover to 2010. Subtract lines 7 and 8 from line 6a.	0.			
10 Analysis of line 9:				
a Excess from 2005				
b Excess from 2006				
c Excess from 2007				
d Excess from 2008				
e Excess from 2009				

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 2009, 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			
(a) 2009	(b) 2008	(c) 2007	(d) 2006	(e) Total

- 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

4,541,715.	5,001,402.	8,870,347.	6,539,185.	24952649.
3,860,458.	4,251,192.	7,539,795.	5,558,307.	21209752.
8,093,690.	8,992,995.	9,841,831.	12957706.	39886222.
0.	0.	0.	0.	0.
8,093,690.	8,992,995.	9,841,831.	12957706.	39886222.
139,582,083.	116,865,124.	178,455,427.	171,371,433.	606,274,067.
				0.
4,281,692.	4,847,460.	5,913,565.	5,500,008.	20542725.
				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 the 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 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 23

- c Any submission deadlines

None.

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

Individuals performing scientific research at academic institutions of all levels.

Part XV **Supplementary Information** (continued)**3 Grants and Contributions Paid During the Year or Approved for Future Payment**

Recipient 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
<i>a Paid during the year</i>				
Total	See Attached Statement(s)			5282062.
<i>b Approved for future payment</i>				
Total	See Attached Statement(s)			3535259.

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		

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 or fiduciary) is based on all information of which preparer has any knowledge.

Sian Here

Signature of officer or trustee

Date _____

Title

Preparer's  signature

CPA

Date _____

8/30/10

Check if self-employed	
------------------------	--

Preparer's identifying number

Firm's name (or yours if self employed)
address and ZIP code

Keegan, Linscott & Kenon, P.C.
33 N. Stone Avenue, Suite 1100
Tucson, AZ 85701

EIN ▶

Phone no 520-884-0176

Form **990-PF** (2009)

2009 DEPRECIATION AND AMORTIZATION REPORT

Form 990-PF Page 1 990 PF

Asset No	Description	Date Acquired	Method	Life	C o n v	Line No	Unadjusted Cost Or Basis	Bus % Excl	Section 179 Expense	Reduction In Basis	Basis For Depreciation	Beginning Accumulated Depreciation	Current Sec 179 Expense	Current Year Deduction	Ending Accumulated Depreciation
12	Furniture & Fixtures FURNITURE, FIXTURES, AND EQUIPMENT * 990-PF Pg 1 Total Furniture & Fixtures	Various	SL	5.00		HY16	301,879.				301,879.	206,557.		42,506.	249,063.
							301,879.				301,879.	206,557.		42,506.	249,063.
	Other														
11	TENANT IMPROVEMENTS * 990-PF Pg 1 Total Other * 990-PF Pg 1 Total - * Grand Total 990-PF Pg 1 Depr	Various	SL	10.00		HY16	496,312.				496,312.	198,600.		66,600.	265,200.
							496,312.				496,312.	198,600.		66,600.	265,200.
							798,191.				798,191.	405,157.		109,106.	514,263.
							798,191.				798,191.	405,157.		109,106.	514,263.

Form 990-PF Interest on Savings and Temporary Cash Investments Statement 1

Source	Amount
Interest Income	1,750,000.
Total to Form 990-PF, Part I, line 3, Column A	1,750,000.

Form 990-PF Dividends and Interest from Securities Statement 2

Source	Gross Amount	Capital Gains Dividends	Column (A) Amount
Interest & Dividend Income	3,767,207.	0.	3,767,207.
MMA Interest	1,143.	0.	1,143.
Total to Fm 990-PF, Part I, ln 4	3,768,350.	0.	3,768,350.

Form 990-PF Rental Income Statement 3

Kind and Location of Property	Activity Number	Gross Rental Income
Real estate - AG Realty Fund IV, L.P.	2	13,436.
Real estate - AG Realty Fund V, L.P.	3	<40,528.>
Real estate - AG Realty Fund VI, L.P.	4	<189,997.>
Real estate - AG Super Fund, L.P.	5	<49,034.>
Total to Form 990-PF, Part I, line 5a		<266,123.>

Form 990-PF Other Income Statement 4

Description	(a) Revenue Per Books	(b) Net Invest- ment Income	(c) Adjusted Net Income
Other Income	60.	60.	60.
Other Income (Loss) From K-1s	<710,572.>	<710,572.>	<710,572.>
Total to Form 990-PF, Part I, line 11	<710,512.>	<710,512.>	<710,512.>

Form 990-PF	Legal Fees	Statement	5
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Description	(a) Expenses Per Books	(b) Net Invest- ment Income	(c) Adjusted Net Income	(d) Charitable Purposes
LEGAL FEES	33,815.	0.	0.	33,815.
To Fm 990-PF, Pg 1, ln 16a	33,815.	0.	0.	33,815.

Form 990-PF	Accounting Fees	Statement	6
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Description	(a) Expenses Per Books	(b) Net Invest- ment Income	(c) Adjusted Net Income	(d) Charitable Purposes
AUDIT AND TAX FEES	58,842.	9,707.	0.	49,135.
To Form 990-PF, Pg 1, ln 16b	58,842.	9,707.	0.	49,135.

Form 990-PF	Other Professional Fees	Statement	7
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Description	(a) Expenses Per Books	(b) Net Invest- ment Income	(c) Adjusted Net Income	(d) Charitable Purposes
CONSULTING	119,628.	0.	0.	119,628.
To Form 990-PF, Pg 1, ln 16c	119,628.	0.	0.	119,628.

Form 990-PF	Taxes	Statement	8
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Description	(a) Expenses Per Books	(b) Net Invest- ment Income	(c) Adjusted Net Income	(d) Charitable Purposes
FICA AND STATE UNEMPLOYMENT	73,781.	0.	0.	73,781.
UBI TAXES	28,988.	0.	0.	0.
OTHER TAXES	300,000.	0.	0.	0.
To Form 990-PF, Pg 1, ln 18	402,769.	0.	0.	73,781.

Form 990-PF	Other Expenses			Statement	9
Description	(a) Expenses Per Books	(b) Net Invest- ment Income	(c) Adjusted Net Income	(d) Charitable Purposes	
ADVERTISING	16,976.	0.	0.	16,976.	
OUTSIDE SERVICES	9,973.	0.	0.	9,973.	
BOOK PROJECTS	30,533.	0.	0.	30,533.	
MISCELLANEOUS	20,793.	0.	0.	20,793.	
OFFICE SUPPLIES	24,359.	0.	0.	24,359.	
COMPUTER-RELATED EXPENSES	58,873.	0.	0.	58,873.	
INSURANCE	28,012.	0.	0.	28,012.	
INVESTMENT EXPENSES	163,431.	163,431.	0.	0.	
POSTAGE AND SHIPPING	6,977.	0.	0.	6,977.	
LSST & PROGRAM RELATED EXPENSES	6,915.	0.	0.	6,915.	
LOCAL BUSINESS MEETINGS	3,858.	0.	0.	3,858.	
2012 EXPENSES	282,290.	0.	0.	282,290.	
FUNDRAISING EXPENSES	106,436.	0.	0.	0.	
TELEPHONE	19,447.	0.	0.	19,447.	
ALLOCATED COSTS	<88,353.>	0.	0.	<88,353.>	
ACCRUAL-TO-CASH ADJUSTMENT	0.	0.	0.	<238,641.>	
To Form 990-PF, Pg 1, ln 23	690,520.	163,431.	0.	182,012.	

Form 990-PF	Other Decreases in Net Assets or Fund Balances	Statement	10
Description		Amount	
BOOK/TAX DIFFERENCES FROM SCHEDULE K-1'S		419,082.	
Total to Form 990-PF, Part III, line 5		419,082.	

Form 990-PF	Other Notes and Loans Receivable		Statement	11
Description	Balance Due	Doubtful Acct Allowance	FMV of Loan	
LBT REIMBURSABLE	1,478,463.	0.	0.	
OTHER MISCELLANEOUS RECEIVABLES	0.	0.	0.	
Total to Fm 990-PF, Part II, ln 7	1,478,463.	0.	0.	

Form 990-PF	Corporate Stock	Statement	12
Description	Book Value	Fair Market Value	
CGT INVESTMENTS	69,894,409.	69,894,409.	
Total to Form 990-PF, Part II, line 10b	69,894,409.	69,894,409.	

Form 990-PF	Other Investments	Statement	13
Description	Valuation Method	Book Value	Fair Market Value
NOTE RECEIVABLE - RCT SEE STMT 23	FMV	25,000,000.	25,000,000.
PORTFOLIO INVESTMENTS	FMV	41,847,264.	41,847,264.
Total to Form 990-PF, Part II, line 13		66,847,264.	66,847,264.

Form 990-PF	Depreciation of Assets Not Held for Investment	Statement	14
Description	Cost or Other Basis	Accumulated Depreciation	Book Value
TENANT IMPROVEMENTS	496,312.	265,200.	231,112.
FURNITURE, FIXTURES, AND EQUIPMENT	301,879.	249,063.	52,816.
Total To Fm 990-PF, Part II, ln 14	798,191.	514,263.	283,928.

Form 990-PF	Other Assets	Statement	15
Description	Beginning of Yr Book Value	End of Year Book Value	Fair Market Value
DIVIDENDS AND INTEREST REC.	156,482.	110,876.	110,876.
OTHER ASSETS	289,466.	285,844.	285,844.
To Form 990-PF, Part II, line 15	445,948.	396,720.	396,720.

Form 990-PF	Other Liabilities	Statement	16
Description	BOY Amount	EOY Amount	
LINE OF CREDIT	9,625,000.	10,200,000.	
POSTRETIREMENT PENSION LIABILITY	1,141,073.	1,198,958.	
PENSION LIABILITY	529,031.	808,615.	
LBT LIABILITY	1,548,970.	1,478,199.	
LSST LIABILITY	325,000.	75,000.	
Total to Form 990-PF, Part II, line 22	13,169,074.	13,760,772.	

Form 990-PF	Part VIII - List of Officers, Directors Trustees and Foundation Managers	Statement	17
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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	261,250.	74,000.	24,000.
MR. DANIEL GASCH 4703 E. CAMP LOWELL, SUITE 201 TUCSON, AZ 85712	CHIEF FINANCIAL OFFICER 40.00	178,100.	25,000.	17,810.
MR. JOHN R. PLADZIEWICZ 4703 E. CAMP LOWELL, SUITE 201 TUCSON, AZ 85712	VICE PRESIDENT 32.00	127,750.	12,775.	12,775.
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. STUART CRAMPTON 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. ROBER 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.
MR. SETH LEDERMAN 4703 E. CAMP LOWELL, SUITE 201 TUCSON, AZ 85712	BOARD MEMBER 2.00	0.	0.	0.
DR. ELIZABETH MCCORMICK 4703 E. CAMP LOWELL, SUITE 201 TUCSON, AZ 85712	BOARD MEMBER 2.00	0.	0.	0.
DR. PATRICK S. OSMER 4703 E. CAMP LOWELL, SUITE 201 TUCSON, AZ 85712	BOARD MEMBER 2.00	0.	0.	0.

Totals included on 990-PF, Page 6, Part VIII

567,100.	111,775.	54,585.
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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	\$ (1,895,584.00)	Short-Term Capital Gain
CG Global Equity Fund	K-1 FLOW THROUGH	(6,755,457.00)	Long-Term Capital Gain
AG Capital Recovery Partners, L.P.	K-1 FLOW THROUGH	47.00	Short-Term Capital Gain
AG Capital Recovery Partners, L.P.	K-1 FLOW THROUGH	9,961.00	Long-Term Capital Gain
AG Core Plus Realty Fund, L.P.	K-1 FLOW THROUGH	(6,288.00)	Long-Term Capital Gain
AG Realty Fund IV, L.P.	K-1 FLOW THROUGH	4,605.00	Long-Term Capital Gain
AG Realty Fund V, L.P.	K-1 FLOW THROUGH	(915.00)	Long-Term Capital Gain
AG Realty Fund VI, L.P.	K-1 FLOW THROUGH		Short-Term Capital Gain
AG Capital Recovery Partners V, L.P.	K-1 FLOW THROUGH	(138,023.00)	Long-Term Capital Gain
AG Capital Recovery Partners V, L.P.	K-1 FLOW THROUGH	(79,471.00)	Long-Term Capital Gain
AG Capital Recovery Partners VI, L.P.	K-1 FLOW THROUGH	(259,293.00)	Short-Term Capital Gain
AG Capital Recovery Partners VI, L.P.	K-1 FLOW THROUGH	(975,139.00)	Long-Term Capital Gain
AG Super Fund, LP	K-1 FLOW THROUGH		Short-Term Capital Gain
AG Super Fund, LP	K-1 FLOW THROUGH		Long-Term Capital Gain
Emerging Markets Growth Fund	K-1 FLOW THROUGH		Long-Term Capital Gain
Emerging Markets Growth Fund	K-1 FLOW THROUGH		Long-Term Capital Gain

Capital Gain Net Income or (Net Capital Loss) \$ (10,095,557.00) Form 990-PF, Part IV, Line 2

Net short-term capital gain or (loss) as defined in IRC Sec. 1225(5) and (6). \$ (2,292,853.00) Form 990-PF, Part IV, Line 3

RESEARCH CORPORATION

EIN: 13963407

STATEMENT 19

Date	Name	Memo	Amount
General & Administrative			
Charitable contributions			
01/13/2009	Metropolitan Education Commission	Key to Emp workshop sponsorship CC 2009	500 00
01/13/2009	Mountain View High School Orchestra	Ciana Fontana's HS Orchestra fundraiser CC 2009	250 00
01/13/2009	Community Food Bank		500 00
01/13/2009	SARSEF	2009 Science fair	1,000 00
01/20/2009	American Israel Friendship League	Valdez/Giffords dinner	300 00
02/03/2009	Arizona Cancer Center/UAF	AZ Cancer Center	500 00
03/05/2009	Four Corners Summit on Sustainable Cities	Sustainable Cities Summit sponsorship	2,000 00
03/05/2009	YMCA of Metropolitan Tucson		500 00
03/09/2009	Arizona Sonora Desert Museum		1,500 00
04/22/2009	Boy's and Girl's Clubs of Tucson		500 00
10/19/2009	Handmaker Foundation	Honor they Father and Mother Dinner 2009	1,800 00
12/30/2009	Rosenberg Media LLC	Half Page ad in JCF Special Section	1,000 00
04/14/2009	University of Arizona		5,746 00
04/21/2009	United Way of Tucson	company match thru 04/15/09	3,180 00
05/13/2009	Angel Charity for Children, Inc		5,000 00
06/24/2009	Tucson Children's Museum		500 00
06/30/2009	United Way of Tucson	company match thru 06/30/09	700 00
07/02/2009	TMC Foundation		1,150 00
10/01/2009	St Gregory College Prep School		500 00
10/02/2009	United Way of Tucson	company match thru 09/30/09	340 00
11/04/2009	Angel Charity for Children, Inc		400 00
11/17/2009	New Beginnings for Women & Children		150 00
11/30/2009	United Way of Tucson	company match thru 12/31/09	240 00
12/03/2009	Angel Charity for Children, Inc		700 00
Total Charitable contributions			<u>28,956 00</u>
Total General & Administrative			<u>28,956 00</u>
TOTAL			<u>28,956.00</u>

GIFTS Grants Payable Listing
 12/31/2009

Fiscal Year 2009

Schedule of Appropriations and Payments

12/31/2009

Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
ACS Division of Chemical Education		\$0 00	\$5,000 00	\$0 00	\$0 00	\$5,000 00
2225 S Earl Ave						
Lafayette, IN 47908-2266						
Funding towards the 2010 ACS symposium						
"Chemistry and the Developing World"						
\$5,000 00						
2009						
American Association of Physics Teachers						
One Physics Ellipse		\$0 00	\$2,500 00	\$0 00	\$2,500 00	\$0 00
College Park, MD 20740-3845						
Funding for an Evening Reception / Dinner						
at the Annual AAPT / APS / AAS New						
Faculty Workshop in November 2009						
\$2,500 00						
2009						
American Chemical Society		\$6,041 00	\$0 00	\$0 00	\$6,041 00	\$0 00
PO Box 57136						
Washington, DC 20037-0136						
Award for research at an undergraduate						
institution Years 2004-2008						
\$73,622 00						
2004						
American Chemical Society		\$0 00	\$750 00	\$0 00	\$750 00	\$0 00
PO Box 57136						
Washington, DC 20037-0136						
ACS Younger Chemists Committee Special						
Session 'Political Science' - Opportunities						
for Chemists in Science Policy						
\$750 00						
2009						

Fiscal Year 2009

Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
American Chemical Society PO Box 57136 Washington, DC 20037-0136 <i>Gold Level Sponsorship of "Chemistry for a Sustainable World" event at the 2010 ACS National Spring Meeting</i>		\$0 00	\$5,000 00	\$0 00	\$5,000 00	\$0 00
\$5,000 00 2009						
American Institute of Physics One Physics Ellipse College Park, MD 20740 <i>Funding to support travel of Nobel Laureates in chemistry and physics to minority serving institutions (MSIs)</i>		\$34,000 00	\$0 00	\$0 00	\$0 00	\$34,000 00
\$50,000 00 2006						
American Physical Society One Physics Ellipse College Park, MD 20740-3844 <i>Edward A. Bouchel Lectureship Award, 2003-2007</i>		\$9,427 00	\$0 00	\$0 00	\$0 00	\$9,427 00
\$40,000 00 2002						
American Physical Society One Physics Ellipse College Park, MD 20740-3844 <i>Research Corporation Prize to a Faculty Member for Research at an Undergraduate Institution (2007-2011)</i>		\$36,858 37	\$0 00	\$0 00	\$10,394 79	\$26,463 58
\$58,000 00 2008						

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Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
American Physical Society		\$0 00	\$8 000 00	\$0 00	\$8,000 00	\$0 00
One Physics Ellipse						
College Park, MD 20740-3844						
2009 Edward A. Bouchet Award						
Sponsorship						
\$8,000 00						
2009						
American Society for Biochemistry and		\$0 00	\$2 000 00	\$0 00	\$2 000 00	\$0 00
Molecular Biology						
Co-sponsorship of an undergraduate						
research symposium held during the						
ASBMB/FASEB meeting in April 2010						
\$2,000 00						
2009						
American University		\$11,842 00	\$0 00	\$0 00	\$11,842 00	\$0 00
4400 Massachusetts Avenue, NW						
Washington, DC 20016-8003						
Entangling Ultracold Atoms in an Optical						
Lattice An Array of Coupled Double-Well						
Beam Splitters						
\$26,531 00						
2007						
American University		\$0 00	\$44,993 00	\$0 00	\$0 00	\$44,993 00
4400 Massachusetts Avenue, NW						
Washington, DC 20016-8003						
Knowledge-based redesign of enzymes to						
identify substrate specificity determinants						
\$44,993 00						
2009						

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Amherst College		\$14,000 00	\$0 00	\$0 00	\$14,000 00	\$0 00
Campus Box 2243						
Amherst MA 01002-5000						
<i>Characterization of the Emissions and</i>						
<i>Oxidation Products of Terpenes at a New</i>						
<i>England Forest</i>						
\$40,110 00						
2007						
Amherst College		\$14,842 00	\$0 00	\$0 00	\$14,842 00	\$0 00
Campus Box 2243						
Amherst, MA 01002-5000						
<i>Organic Nanotubes of Defined Length</i>						
\$29,684 00						
2008						
Arizona Research Institute for Solar		\$25,000 00	\$0 00	-\$10,916 00	\$14,084 00	\$0 00
Energy						
University of Arizona						
1235 E James E Rogers Way						
Tucson, AZ 85721						
<i>2008 Workshop on photovoltaics for solar</i>						
<i>energy</i>						
\$14,084 00						
2008						
Arizona State University		\$0 00	\$20,000 00	\$0 00	\$20,000 00	\$0 00
ASU ORSPA, Admin B-Wing Room 163						
1711 S Rural Road						
Tempe, AZ 85287						
<i>Inaugural Origins Initiative Symposium 4</i>						
<i>Celebration of Science, Discovery and</i>						
<i>Culture</i>						
\$20,000 00						
2009						

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Arizona Universities						
University of Arizona		\$25,000.00	\$0.00	\$0.00	\$10,000.00	\$15,000.00
Arizona State University						
Northern Arizona University						
Arizona Science Teacher Advancement and Research Training / Formula for the Future Mini Grants						
\$25,000.00						
2008						
Association of American Colleges and Universities		\$25,000.00	\$0.00	\$0.00	\$25,000.00	\$0.00
1818 R St., NW						
Washington, DC 20009						
Funding for the Formal Affiliation of Project Kaleidoscope (PKAL) and the Association of American Colleges and Universities (AAC&U)						
\$25,000.00						
2008						
Augustana College						
2001 South Summit Avenue		\$0.00	\$43,736.00	\$0.00	\$20,459.00	\$23,277.00
Sioux Falls, SD 57197						
Model Independent Searches for Physics Beyond the Standard Model in Data with Two Bosons						
\$43,736.00						
2009						
Austin College		\$13,740.00	\$0.00	\$0.00	\$13,740.00	\$0.00
900 N. Grand						
Sherman, TX 75090-4440						
Investigation of Vortex Pinning Anisotropy in the High Temperature Superconductor YBa2Cu3O7-delta						
\$44,880.00						
2008						

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Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
Bates College		\$0.00	\$45,000.00	\$0.00	\$37,500.00	\$7,500.00
2 Andrews Rd Leviston, ME 04240						
<i>Manipulation of individual nuclear spins in diamond</i>						
\$45,000.00						
2009						
Benedictine University		\$15,609.00	\$0.00	\$0.00	\$15,609.00	\$0.00
5700 College Road						
Lisle, IL 60532-0900						
<i>Ultraviolet Absorption of the Lowest-Lying Electronic State in High-Temperature and Supercritical Water</i>						
\$32,318.00						
2008						
Berea College		\$33,581.00	\$0.00	\$0.00	\$0.00	\$33,581.00
101 Chestnut St						
Berea, KY 40404						
<i>Synthesis of Enantioenriched beta-Ketoesters via a Ketene-Claisen Condensation</i>						
\$33,581.00						
2008						
Berea College		\$29,476.00	\$0.00	\$0.00	\$18,173.00	\$11,303.00
101 Chestnut St						
Berea, KY 40404						
<i>Straight Correlated Fermionic Atoms in Rapidly Rotating Traps</i>						
\$29,476.00						
2008						

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Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
Bio5 Institute						
The University of Arizona 1657 E. Helen St. Tucson, AZ 85721		\$5,000.00		\$0.00	\$5,000.00	\$0.00
<i>Recomb2009 Conference</i> \$5,000.00 2008						
Bio5 Institute						
The University of Arizona 1657 E. Helen St. Tucson, AZ 85721		\$0.00	\$5,000.00	\$0.00	\$5,000.00	\$0.00
<i>Bio5 KEYS 2010 Summer Research Internship Program</i> \$5,000.00 2009						
Boise State University 1910 University Drive Boise, ID 83725		\$7,232.00	\$0.00	\$0.00	\$7,232.00	\$0.00
<i>The Design, Synthesis, and Biological Testing of Novel and Selective Antagonists of Neuronal Nicotinic Acetylcholine Receptors</i> \$45,000.00 2008						
Bowdoin College 6600 College Station Brunswick, ME 04011		\$45,000.00	\$0.00	\$0.00	\$28,426.00	\$16,574.00
<i>Hijacking the Pseudaminic Acid Biosynthetic Pathway to Eliminate Helicobacter pylori Infection</i> \$45,000.00 2008						

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Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
Bowdoin College 6600 College Station Brunswick, ME 04011 <i>Multiplex coherent anti-Stokes Raman spectroscopy of optically trapped aerosols to study oxidation and growth mechanisms</i> \$44,900 00		\$0 00	\$44,900 00	\$0 00	\$30,326 00	\$14,574 00
Brock University Merriville Highway St Catharines, ON L2S 3A1 CANADA <i>Structure Determination of Lipopolysaccharides from Pseudomonas aeruginosa</i> \$29,000 00		\$9,300 00	\$0 00	\$0 00	\$9,300 00	\$0 00
California State Polytechnic University, Pomona 3801 W Temple Avenue Pomona, CA 91768 <i>Computational/Spectroscopic Determination of Residue-Specific Binding Interactions Between the Antiviral Peptide Retrocyclin and a Viral Protein</i> \$39,584 00		\$39,584 00	\$0 00	\$0 00	\$23,042 00	\$16,542 00
2008						

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Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
California State Polytechnic University, Pomona		\$28,213 00	\$0 00	\$0 00	\$20,143 00	\$8 070 00
3801 W Temple Avenue Pomona, CA 91768						
<i>Beating the Diffraction Limit in Photochemistry and Photolithography A Feasibility Study With Computer Simulations</i>						
\$28,213 00 2008						
California State Polytechnic University, Pomona		\$0 00	\$35 684 00	\$0 00	\$17 842 00	\$17,842 00
3801 W Temple Avenue Pomona CA 91768						
<i>Positional Photocleavage Control of Nucleic Acid Nanostructures</i>						
\$35,684 00 2009						
California State Polytechnic University, Pomona		\$0 00	\$37 432 00	\$0 00	\$18 091 00	\$19,341 00
3801 W Temple Avenue Pomona, CA 91768						
<i>Studying the evolution of metallo-beta-lactamases and their role in antibiotic resistance through a combined computational and experimental approach</i>						
\$37 432 00 2009						

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California State University, Channel Islands		\$17,842 00	\$0 00	\$0 00	\$17,842 00	\$0 00
One University Drive Camarillo, CA 93105						
<i>The Stability and Folding of CysF, a New Model System for Examining the Effects of Ligand Binding on Protein Conformational Dynamics</i>						
\$36,184 00 2008						
California State University, Chico		\$21 609 00	\$0 00	\$0 00	\$21 609 00	\$0 00
Physical Sciences Room 323 Chico, CA 95929-0210						
<i>Synthesis of 1 4-Benzodioxane-Based Natural Products Using a Hetero-Diels-Alder Reaction</i>						
\$41 718 00 2008						
California State University, East Bay		\$0 00	\$36 000 00	\$0 00	\$36 000 00	\$0 00
25800 Carlos Bee Blvd Hayward, CA 94542						
<i>Transforming Chloroperoxidase into a Practical Biocatalyst</i>						
\$36,000 00 2009						
California State University, Fresno		\$4 804 00	\$0 00	\$0 00	\$4,804 00	\$0 00
5241 North Maple Fresno, CA 93740						
<i>The Effect of Neodymium Substitution on the Properties of P1Os4Sb12</i>						
\$45,000 00 2008						

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Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
California State University, Fresno		\$0.00	\$45,000.00	\$0.00	\$27,150.00	\$17,850.00
5241 North Maple Fresno, CA 93740						
<i>Electrochemical and Optical Spectroscopic Studies on Gold Nanoparticle Properties - Effect of Nanoparticle Surroundings</i>						
\$45,000.00 2009						
California State University, Fullerton		\$17,571.00	\$0.00	\$0.00	\$17,571.00	\$0.00
PO Box 6850 Fullerton, CA 92834-6850						
<i>Palladium-catalyzed asymmetric reactions of benzylic carbonates</i>						
\$42,142.00 2006						
California State University, Fullerton		\$39,960.00	\$0.00	\$0.00	\$35,730.00	\$4,230.00
PO Box 6850 Fullerton, CA 92834-6850						
<i>An Integrated Approach to Measuring the Hygroscopic Properties of Biomass Burning Particles</i>						
\$39,960.00 2008						
California State University, Long Beach		\$17,842.00	\$0.00	\$0.00	\$17,842.00	\$0.00
1250 Bellflower Blvd Long Beach, CA 90840						
<i>Lateral Charge Transport in 2-D Monolayers of Polyaniline</i>						
\$35,684.00 2007						

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Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
California State University, Long Beach 1250 Bellflower Blvd Long Beach, CA 90840 <i>Elucidating the Chemistry Behind Nitrosamine Carcinogenesis: New Redox- Induced Activation Pathways for Nitrosamines at Physiological Conditions</i> \$35,197 00 2007		\$17,339 00	\$0 00	\$0 00	\$0 00	\$17,339 00
California State University, Long Beach 1250 Bellflower Blvd Long Beach, CA 90840 <i>Diffusion of TEMPO-Modified Helical Peptides in a Collagen Matrix Understanding Triple Helix Self Assembly</i> \$38,984 00 2008		\$16,842 00	\$0 00	\$0 00	\$16,842 00	\$0 00
California State University, Long Beach 1250 Bellflower Blvd Long Beach, CA 90840 <i>Equilibrium Assessment and Refinement of Molecular Models for Biomolecular Simulation of Lipid Membranes via Distributed Computing Approaches</i> \$39,084 00 2008		\$59,084 00	\$0 00	\$0 00	\$21,042 00	\$18,042 00
California State University, Long Beach 1250 Bellflower Blvd Long Beach, CA 90840 <i>Preparation and Screening of a Modular alpha-Helix Peptidomimetic Library</i> \$42,083 00 2008		\$42,083 00	\$0 00	\$0 00	\$21,741 00	\$20,342 00

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Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
California State University, Los Angeles 5151 State University Drive Los Angeles, CA 90032- <i>Effects of Hofmeister Anions on Antifreeze Protein Activity</i>		\$0 00	\$45 000 00	\$0 00	\$33 903 00	\$11 097 00
\$45,000 00 2009						
California State University, Northridge 18111 Nordhoff Street Northridge CA 91330 <i>Development of Trinuclear Zirconium Complexes for the Activation and Reduction of Nitrogen</i>		\$0 00	\$45,000 00	\$0 00	\$25,391 00	\$19 609 00
\$45,000 00 2009						
California State University, Northridge 18111 Nordhoff Street Northridge, CA 91330 <i>Measurement of the angular scattering properties of Los Angeles area particulate matter Application to climate and visibility</i>		\$0 00	\$43,184 00	\$0 00	\$30,342 00	\$12,842 00
\$43,184 00 2009						
California State University, Northridge 18111 Nordhoff Street Northridge, CA 91330 <i>Semiconducting nanosolids new route to solar energy conversion</i>		\$0 00	\$35 066 00	\$0 00	\$0 00	\$35,066 00
\$35,066 00 2009						

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Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
California State University, Northridge 18111 Nordhoff Street Northridge, CA 91330 <i>Mesoscopic Ion Transport in Graphene Nanopores</i> \$34,984 00 2009		\$0 00	\$34,984 00	\$0 00	\$0 00	\$34,984 00
Calvin College 3201 Burton St SE Grand Rapids, MI 49546 <i>Chromium carbene-accelerated type II intramolecular Diels-Alder reactions as a gateway to strained ring libraries</i> \$36,418 00 2006		\$15 109 00	\$0 00	\$0 00	\$15,109 00	\$0 00
Calvin College 3201 Burton St SE Grand Rapids, MI 49546 <i>Identifying the Role of Aromatic Networks in Amyloid Protofibril Formation and Anti-Alzheimer's Therapeutic Action</i> \$42,225 00 2008		\$42,225 00	\$0 00	\$0 00	\$24,633 00	\$17,592 00
Canisius College 2001 Main Street Buffalo, NY 14208- <i>In-medium Properties of the rho, omega, and phi Mesons at Jefferson Lab</i> \$42,500 00 2009		\$0 00	\$42 500 00	\$0 00	\$0 00	\$42 500 00

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Carleton College One North College Street Northfield, MN 55057 <i>Exploration of possible phase inhomogeneity in EuO thin films exhibiting a colossal magnetoresistive response</i>		\$8,018 00	\$0 00	\$0 00	\$8,018 00	\$0 00
2007						
Central Michigan University 1214 Forest Lane Mount Pleasant, MI 48859-0001 <i>Calculation of Magnetic Parameters from Noncollinear Spin Density Functional Theory</i>		\$13 842 00	\$0 00	\$0 00	\$0 00	\$13 842 00
2008						
Central Michigan University 1214 Forest Lane Mount Pleasant, MI 48859-0001 <i>Investigating the connection between rapid stellar spin and disk formation mechanisms in early-type stars</i>		\$0 00	\$29,366 00	\$0 00	\$15 024 00	\$14,342 00
2009						
Chapman University One University Drive Orange, CA 92866-1099 <i>Aggregation-based growth of iron oxyhydroxide nanoparticles and associated metal sorption/incorporation processes</i>		\$15 649 00	\$0 00	\$0 00	\$15,649 00	\$0 00
2006						

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Cleveland State University		\$16,110 00	\$0 00	\$0 00	\$16,110 00	\$0 00
2121 Euclid Avenue						
Cleveland, OH 44115						
<i>Mathematical description of surface</i>						
<i>electromyography time series</i>						
\$32 220 00						
2006						
Cleveland State University		\$13,542 00	\$0 00	\$0 00	\$13,542 00	\$0 00
2121 Euclid Avenue						
Cleveland, OH 44115						
<i>Development and characterization of</i>						
<i>semiconductor - metal nanostructures</i>						
<i>fabricated through directed self-</i>						
<i>assembly</i>						
\$43,584 00						
2007						
College of Charleston		\$0 00	\$45,000 00	\$0 00	\$27,500 00	\$17,500 00
66 George Street						
Charleston, SC 29424						
<i>Determination of the Secondary Structures</i>						
<i>Adapted by Small Gas Phase Peptides and</i>						
<i>Peptidomimetics through Torison-Rotation</i>						
<i>Interactions in Rotational Spectra</i>						
\$45,000 00						
2009						
College of New Jersey		\$0 00	\$44 000 00	\$0 00	\$37 000 00	\$7,000 00
2000 Pennington Rd						
Ewing, NJ 08628						
<i>Full 3-D Receiver Function Comparison</i>						
<i>Conversion Point Stacking with</i>						
<i>Verification from Synthetic Seismograms</i>						
<i>for the Afar Hotspot</i>						
\$44,000 00						
2009						

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College of Wooster 1189 Beall Ave Wooster OH 44691 <i>Cylindrical Micelles From Block Copolymers Self Assembly as an Indirect Model for Biological Systems</i> \$44,951 00 2008	\$21,609 00	\$0 00	\$0 00	\$21,609 00	\$0 00
Colorado College 14 East Cache La Poudre Colorado Springs, CO 80903 <i>Scanning Tunneling Microscopy of Atomic Scale Disorder in Tunnel Junction Materials</i> \$43,915 00 2008	\$10,074 00	\$0 00	\$0 00	\$10,074 00	\$0 00
Colorado College 14 East Cache La Poudre Colorado Springs, CO 80903 <i>Transition-Metal Mediated Synthesis of C-Aryl Glycols and 2-Deoxy-beta-C-Aryl Glycosides</i> \$39,220 00 2008	\$17,110 00	\$0 00	\$0 00	\$17,110 00	\$0 00
Colorado College 14 East Cache La Poudre Colorado Springs, CO 80903 <i>Dinner/Reception at the American Society for Biochemistry and Molecular Biology Annual Meeting at Colorado College from August 5-8 2009</i> \$2,500 00 2009	\$0 00	\$2,500 00	\$0 00	\$2,500 00	\$0 00

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Colorado State University, Pueblo 2200 Bonforte Blvd Pueblo, CO 81001 <i>Direct Fabrication of Free-Standing, Three-Dimensional Metal Microstructures via Laser-Induced Deposition</i> \$43,452 00 2007		\$13,726 00	\$0 00	\$0 00	\$13,726 00	\$0 00
Columbia University 3000 Broadway New York, NY 10027 <i>Achieving Synthetic Control When Nature Abandons Selectivity Total Synthesis of Oligomeric Natural Products</i> \$100,000 00 2009		\$0 00	\$100,000 00	\$0 00	\$95,000 00	\$5 000 00
Columbia University 3000 Broadway New York, NY 10027 <i>Mapping the Galaxy's Gaseous Halo</i> \$61,831 00 2009		\$0 00	\$61,831 00	\$0 00	\$61,831 00	\$0 00
Council on Undergraduate Research 734 15th St., NW Suite 550 Washington, DC 20005 <i>The Transformative Undergraduate Research Symposium</i> \$5,000 00 2009		\$0 00	\$5,000 00	\$0 00	\$5,000 00	\$0 00

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Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
CUNY, Herbert H. Lehman College Bedford Park Blvd., West Bronx, NY 10468-1589 <i>Temporal and Spatial Resolution of Fundamental Processes in Quantum Field Theory</i>		\$17,079 00	\$0 00	\$0 00	\$0 00	\$17,079 00
\$31,201 00 2007						
CUNY, York College 94-20 Guy Brewer Blvd Jamaica, NY 11451 <i>Investigating the Gas Phase Chemistry of Phosphorylated Peptide Ions Using Mass Spectrometry</i>		\$44,712 00	\$0 00	\$0 00	\$23,606 00	\$21,106 00
\$44,712 00 2008						
Davidson College Davidson, NC 28035- <i>Heterogeneous chemistry of secondary organic aerosols and gas-phase oxidants</i>		\$13,227 00	\$0 00	\$0 00	\$13,227 00	\$0 00
\$39,454 00 2007						
Davidson College Davidson, NC 28035- <i>Folding and Misfolding of Myelin Protein Zero Mutants Implicated in Peripheral Neuropathy</i>		\$0 00	\$44,536 00	\$0 00	\$30,268 00	\$14,268 00
\$44,536 00 2009						

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Denison University 100 W College Street Granville, OH 43023-1359 <i>Development of Modular Organic Columnar Liquid Crystals as Robust Sensitizers in Low-Cost Solar Cells</i> \$41,682 00 2009		\$0 00	\$41,682 00	\$0 00	\$0 00	\$41,682 00
DePaul University 25 E Jackson Boulevard Chicago, IL 60604 <i>Transient Stream Generated by the Momentum of Light</i> \$33,877 00 2009		\$0 00	\$33,877 00	\$0 00	\$0 00	\$33,877 00
Duquesne University 600 Forbes Avenue Pittsburgh, PA 15282 <i>Local Distinguishability and Indistinguishability of Quantum States</i> \$31,978 00 2008		\$10,399 00	\$0 00	\$0 00	\$10,399 00	\$0 00
Earth & Sky, Inc. PO Box 1965 Austin, TX 78767-1965 <i>The Sky in Google Earth</i> \$389,989 00 2008		\$264,144 00	\$0 00	\$0 00	\$130,120 00	\$134,024 00

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Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
East Carolina University East Fifth Street Greenville, NC 27858 <i>Investigation on Luminescent Tetradentate Cyclometalated Platinum(II) Complexes Synthesis, Photophysics and Application</i>		\$21,219 00	\$0 00	\$0 00	\$0 00	\$21,219 00
\$45,000 00 2008						
Eastern College 1300 Eagle Road St Davids, PA 19087-3696 <i>Expression and Functional Characterization of Enzymes Associated with Pathogenicity in Erwinia amylovora the Fire Blight Pathogen</i>		\$14 144 00	\$0 00	\$0 00	\$14 144 00	\$0 00
\$30,738 00 2008						
Eastern Illinois University 600 Lincoln Avenue Charleston, IL 61920 <i>Biomass Conversion Proteomic Identification of Glycoside Hydrolases from Caulobacter crescentus</i>		\$0 00	\$41,175 00	\$0 00	\$0 00	\$41,175 00
\$41,175 00 2009						
Eastern Michigan University 225 Jefferson Science Building Ypsilanti, MI 48197 <i>Development of Insulin-Based Inhibitors for Human Islet Amyloid Polypeptide, a Protein Implicated in B-Cell Membrane Destruction in Type II Diabetes</i>		\$17,803 00	\$0 00	\$0 00	\$17,803 00	\$0 00
\$44,456 00 2007						

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Educational Enrichment Foundation 1661 N. Swan Road, Suite 116 Tucson, AZ 85712- <i>Continued support for science mini-grants</i> 2005	\$5,000 00	\$0 00	\$0 00	\$5,000 00	\$0 00
Elizabethtown College One Alpha Drive Elizabethtown, PA 17022 <i>Enantioselective Nucleophilic Catalysis for the Synthesis of beta-Lactams and Other Nitrogen Containing Heterocycles from Isocyanates</i> 2008	\$18,719 00	\$0 00	\$0 00	\$18,719 00	\$0 00
Environmental Mutagen Society 1821 Michael Faraday Drive Suite 300 Reston, VA 20190 <i>Symposium on Chemical Genotoxicology in Mammalian Systems at the Environmental Mutagen Society's 40th Annual Meeting</i> 2009	\$0 00	\$5,000 00	\$0 00	\$5,000 00	\$0 00
Fairfield University 1073 North Benson Road Fairfield, CT 06824-5195 <i>Targeting the TNF-alpha/TNF-R55 Interaction with a Small Molecule TNF-R55 Mimetic</i> 2008	\$21,609 00	\$0 00	\$0 00	\$21,609 00	\$0 00

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Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
Fairfield University 1073 North Benson Road Fairfield, CT 06824-5195 <i>Electrochemical and Spectroscopic Characterization of Proteins Organized Within Superstructures and Encapsulated Within Aerogels</i>		\$44,754 00	\$0 00	\$0 00	\$22,377 00	\$22,377 00
\$44,754 00 2008						
Fairfield University 1073 North Benson Road Fairfield, CT 06824-5195 <i>Multimodal monitoring of oxidative stress, proliferation and cell death with light the role of peroxiredoxins in breast cancer</i>		\$0 00	\$75 000 00	\$0 00	\$0 00	\$75,000 00
\$75,000 00 2009						
Fort Lewis College 1000 Rim Drive Durango, CO 81301 <i>Phosphononethylamines A Simple Model of the Hydrogenase Active Site for use in Catalytic Hydrogen Production and Oxidation</i>		\$16,824 00	\$0 00	\$0 00	\$16 824 00	\$0 00
\$33,648 00 2007						
Fort Lewis College 1000 Rim Drive Durango, CO 81301 <i>Investigating in vivo targets of histone acetylases and deacetylases using isotopic labeling and tandem mass spectrometry</i>		\$0 00	\$3,795 00	\$0 00	\$3,795 00	\$0 00
\$3,795 00 2009						

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Fiscal Year 2009

Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
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Franklin and Marshall College PO Box 3003 Lancaster, PA 17604 <i>Infrared Investigation of Short Helical Peptides with Residue Specificity</i> \$44,766 00 2007	\$19,536 00	\$0 00	\$0 00	\$19,536 00	\$0 00
Franklin and Marshall College PO Box 3003 Lancaster, PA 17604 <i>Synthesis and Photoelectrochemical Characterization of Earth-Abundant Semiconductors for Solar Energy Conversion</i> \$45,000 00 2008	\$45,000 00	\$0 00	\$0 00	\$28,678 00	\$16,322 00
Furman University Poinsett Highway Greenville, SC 29613 <i>Computational and Thermodynamic Investigation of Multiple Halogen Bonded Systems</i> \$39,948 00 2008	\$17,574 00	\$0 00	\$0 00	\$17,574 00	\$0 00
Galileo Circle / UAF <i>Affiliate Membership in the Galileo Circle for 2010</i> \$5,000 00 2009	\$0 00	\$5,000 00	\$0 00	\$5,000 00	\$0 00

Fiscal Year 2009

Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
Georgia Southern University P O. Box 8005 Statesboro, GA 30460- <i>An Ultra-Deep Near-Infrared Emission-Line Survey for High Redshift Galaxies</i>		\$18,000 00	\$0 00	\$0 00	\$0 00	\$18,000 00
\$39,000 00 2008						
Georgia State University P O Box 4098 Atlanta GA 30302-3965 <i>Heine Uptake via ABC Transporters</i>		\$14,000 00	\$0 00	\$0 00	\$14,000 00	\$0 00
\$50 000 00 2007						
Gonzaga University 502 E Boone Avenue Spokane WA 99258 <i>Synthesis of lactate analogs as potential probes for the study of metabolic changes present in various pathophysiological conditions</i>		\$15,341 00	\$0 00	\$0 00	\$15,341 00	\$0 00
\$38,862 00 2007						
Gonzaga University 502 E Boone Avenue Spokane, WA 99258 <i>Development and characterization of supported lipid bilayers within mesoporous silica substrates</i>		\$0 00	\$35,313 00	\$0 00	\$23,545 00	\$11,768 00
\$35,313 00 2009						

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Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
Grand Valley State University 1 Campus Drive Allendale, MI 49401 <i>Structural analysis of mutants of the antibiotic resistance enzyme P99 cephalosporinase</i> \$44,895 00 2009		\$0 00	\$44,895 00	\$0 00	\$26,385 00	\$18,510 00
Grinnell College PO Box 805 Grinnell, IA 50112 <i>Relativistic Dynamics of Quasistable States: The Bokuniewicz-Thomas Construction</i> \$31,184 00 2008		\$14,342 00	\$0 00	\$0 00	\$14,342 00	\$0 00
Hamilton College 198 College Hill Road Clinton, NY 13323-1218 <i>Chemistry and physics departments proposal for a Department Development Award</i> \$500,000 00 2006		\$228,834 00	\$0 00	\$0 00	\$150,055 00	\$78,779 00
Harvey Mudd College 301 E 12th Street Claremont, CA 91711 <i>Photon Pair Entanglement in Multiple Degrees of Freedom for Quantum Communication</i> \$41,718 00 2009		\$0 00	\$41,718 00	\$0 00	\$21,609 00	\$20,109 00

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Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
Harvey Mudd College		\$0 00	\$75,000 00	\$0 00	\$0 00	\$75,000 00
301 E 12th Street						
Claremont, CA 91711						
<i>Variation in secondary metabolite</i>						
<i>chemistry among cryptic species of the soft</i>						
<i>coral Sarcophyton a source of bioactive</i>						
<i>compounds</i>						
\$75,000 00						
2009						
Haverford College		\$15 609 00	\$0 00	\$0 00	\$15 609 00	\$0 00
370 Lancaster Ave						
Haverford PA 19041						
<i>Lattice Gas Models with Dynamical</i>						
<i>Geometry in Two Dimensions</i>						
\$31,218 50						
2007						
Haverford College		\$43 218 50	\$0 00	\$0 00	\$26 609 00	\$16 609 50
370 Lancaster Ave						
Haverford, PA 19041						
<i>Vibrational Spectroscopy of Cysteine Side</i>						
<i>Chains to Probe Site-Specific Structural</i>						
<i>Distribution and Dynamics of Proteins</i>						
\$43,218 50						
2008						
Hendrix College		\$44 869 00	\$0 00	\$0 00	\$26 982 00	\$17 887 00
1600 Washington						
Conway AR 72032-3080						
<i>Reactive Oxygen Species and</i>						
<i>C YP2E1-Dependent Oxidation of</i>						
<i>Mitochondrial DNA in Liver Cells</i>						
\$44,869 00						
2008						

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Fiscal Year 2009

Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
Hendrix College						
1600 Washington Conway, AR 72032-3080 <i>Heterogeneous processing of mineral aerosol by reactive gases in the Earth's atmosphere A combined laboratory and modeling study</i>		\$0 00	\$45 000 00	\$0 00	\$0 00	\$45,000 00
Hope College						
100 E 8th St Holland, MI 49423-9000 <i>Carbon-Carbon Single Bond Activation for the Carbocyclization of Alkenes</i>		\$45 000 00	\$0 00	\$0 00	\$32 500 00	\$12 500 00
Hope College						
100 E 8th St Holland, MI 49423-9000 <i>Nonlinear Electrodynamics of Superconducting Thin Films in Microwave Fields</i>		\$0 00	\$43 815 00	\$0 00	\$35 741 00	\$8 074 00
Illinois State University						
Normal, IL 61790 <i>On-Site Monitoring of Emerging Environmental Contaminants with Ambient Mass Spectrometry</i>		\$0 00	\$43 950 00	\$0 00	\$0 00	\$43 950 00
2009						

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Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
Illinois Wesleyan University P O Box 2900 Bloomington, IL 61702 <i>Physical studies of primitive solar system bodies</i>		\$17,009.00	\$0.00	\$0.00	\$17,009.00	\$0.00
\$34,018.00 2005						
Indiana University at Bloomington 107 South Indiana Avenue Bloomington IN 47405 <i>Instrumentation and Development of New Techniques for Measuring Molecular Recognition with Ion Currents</i>		\$0.00	\$100,000.00	\$0.00	\$95,000.00	\$5,000.00
\$100,000.00 2009						
James Madison University 800 South Main St Harrisonburg, VA 22807 <i>Department Development Award</i>		\$417,000.00	\$0.00	\$0.00	\$243,000.00	\$174,000.00
\$500,000.00 2008						
James Madison University 800 South Main St Harrisonburg, VA 22807 <i>Understanding N-Acylethanolamine-Hydrolyzing Acid Amidase</i>		\$44,722.00	\$0.00	\$0.00	\$24,727.00	\$19,995.00
\$44,722.00 2008						

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Fiscal Year 2009

Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
James Madison University 800 South Main St Harrisonburg, VA 22807 <i>Polycyclic (Multi-Headed) Cationic Amphiphiles as Novel Surfactants and Antimicrobial Agents</i> \$100,000 00 2009		\$0 00	\$100,000 00	\$0 00	\$0 00	\$100 000 00
John Carroll University 20700 North Park Blvd University Heights, OH 44118 <i>Spin-Carrier Interactions in V2-VI3-based Diluted Magnetic Semiconductors under High Pressure</i> \$30,234 00 2007		\$14,342 00	\$0 00	\$0 00	\$14,342 00	\$0 00
Kalamazoo College 1200 Academy Street Kalamazoo, MI 49006 <i>Determination of Gamow-Teller Strength Distributions and Electron Capture Rates for Nuclei (A=40-65) in Pre-supernova Stars</i> \$41,748 00 2009		\$0 00	\$41,748 00	\$0 00	\$0 00	\$41,748 00
Kennesaw State University 1000 Chastain Road Kennesaw, GA 30144-5591 <i>Computational Studies of Structure and Dynamics of Hydrated Ions</i> \$27,674 00 2008		\$11,842 00	\$0 00	\$0 00	\$11,842 00	\$0 00

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Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
Kenyon College Gambier, OH 43022 <i>Ellipsometric Study of the Evolution of Band-structure of Diluted Magnetic Semiconductors</i> \$40,150.00 2007		\$15,075.00		\$0.00	\$15,075.00	\$0.00
Lawrence University Box 599 Appleton, WI 54912 <i>Measuring the bending stiffness of microtubules with varying protofilament number</i> \$39,584.00 2009		\$0.00	\$39,584.00	\$0.00	\$23,242.00	\$16,342.00
Lebanon Valley College 101 N. College Ave Annville, PA 17003 <i>Elementary Photoreactions for the Synthesis of Amino Acids on a Model Interstellar Surface</i> \$44,820.00 2008		\$6,460.00	\$0.00	\$0.00	\$6,460.00	\$0.00
Macalester College 1600 Grand Avenue St. Paul, MN 55105 <i>Exploring the Interstellar Media of Optically Compact Dwarf Galaxies</i> \$33,146.00 2008		\$12,536.00	\$0.00	\$0.00	\$12,536.00	\$0.00

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Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
Macalester College 1600 Grand Avenue St. Paul, MN 55105 <i>Characterization of the Interaction of Copper With Inhibitor of Apoptosis Protein Zinc-Binding Domains</i>		\$44,988.00	\$0.00	\$0.00	\$30,509.00	\$14,479.00
\$44,988.00 2008						
Macalester College 1600 Grand Avenue St. Paul, MN 55105 <i>Combining Organic Synthesis and Biochemistry to Study Siderophore Biosynthesis in Fungi</i>		\$0.00	\$75,000.00	\$0.00	\$0.00	\$75,000.00
\$75,000.00 2009						
Marshall University One John Marshall Drive Huntington, WV 25755 <i>Theoretical study of atmospheric reactions involving the hydroxyl radical</i>		\$12,171.00	\$0.00	\$0.00	\$12,171.00	\$0.00
\$30,177.00 2007						
Marshall University One John Marshall Drive Huntington, WV 25755 <i>Characterization of Radical Intermediates in the C₂H₃ + O₂ Reaction</i>		\$0.00	\$43,954.00	\$0.00	\$0.00	\$43,954.00
\$43,954.00 2009						

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Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
Massachusetts College of Liberal Arts 375 Church Street North Adams, MA 01247 <i>Measurements of Low Energy Neutrino-Nucleon Cross Sections using the NuMI Beam and the MINERvA Detector</i>		\$14,341 00	\$0 00	\$0 00	\$14,341 00	\$0 00
\$33,286 00 2008						
McNeese State University 4100 Ryan Street Lake Charles, LA 70609 <i>Computational Design of Novel Gold-Aluminum Alloy Catalysts for Oxidation Reactions</i>		\$8,000 00	\$0 00	\$0 00	\$8,000 00	\$0 00
\$44,000 00 2008						
Miami University 501 East High Street Oxford, OH 45056 <i>Spin Injection and Giant Magnetoresistance in GaMnAs/Normal Metal Lateral Spin-Valves</i>		\$18,074 00	\$0 00	\$0 00	\$18,074 00	\$0 00
\$44,748 00 2008						
Miami University 501 East High Street Oxford, OH 45056 <i>Pressure Effects on the Free/Protein-Bound NADH Ratio Probed Using Endogenous Cellular Fluorescence</i>		\$16,574 00	\$0 00	\$0 00	\$16,574 00	\$0 00
\$38,948 00 2008						

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Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
Millersville University PO Box 1002 Millersville PA 17551-0302 <i>Self Assembly Routes to Multifunctional Biocompatible Nanoparticles</i> \$35,910 00 2008		\$14,330 00	\$0 00	\$0 00	\$14,330 00	\$0 00
Monmouth College 700 E Broadway Monmouth, IL 61462 <i>ESR Investigation of the Peroxidase Activity of Modified Cytochrome C</i> \$43,119 00 2008		\$43,119 00	\$0 00	\$0 00	\$22,787 00	\$20,332 00
Mount Holyoke College 50 College Street South Hadley, MA 01075 <i>Investigation and Control of Magnetic Nanorings using a Scanning Probe Microscope</i> \$45,000 00 2008		\$45,000 00	\$0 00	\$0 00	\$27,444 00	\$17,556 00
Mount Holyoke College 50 College Street South Hadley MA 01075 <i>Graph theoretic methods to find conduction pathways through grain boundaries</i> \$75,000 00 2009		\$0 00	\$75,000 00	\$0 00	\$0 00	\$75 000 00

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Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
New College of Florida 5700 North Tamiami Trail Sarasota, FL 34243- <i>Multi-Dimensional Rotational Spectroscopy of Molecules at Room Temperature</i>		\$0 00	\$38,546 00	\$0 00	\$26,437 00	\$12,109 00
\$38,546 00 2009						
North Dakota State University Fargo, ND 58105 <i>Evaluation of cytoplasmic variability introduced into T durum from related species of Triticum, Aegilops, and Secale</i>		\$16,907 00	\$0 00	\$0 00	\$16,907 00	\$0 00
\$16,907 00 1972						
Northeastern State University 600 North Grand Tahlequah OK 74464-2399 <i>Confined Electrolytes for Low-Temperature Lithium Rechargeable Batteries</i>		\$4,787 00	\$0 00	\$0 00	\$4,787 00	\$0 00
\$44,674 00 2007						
Northeastern University 360 Huntington Avenue Boston, MA 02115 <i>At the Interface of Chemistry and Biology Integrating teaching and research on mutagenic DNA polymerases</i>		\$0 00	\$100,000 00	\$0 00	\$95,000 00	\$5,000 00
\$100,000 00 2009						

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Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
Northern Arizona University South San Francisco St Flagstaff, AZ 86011 <i>The Next Generation of Sandwich Complexes Understanding How Palladium, Platinum and PAH's Can Create New Types of Networks</i> \$29,454 00 2009		\$0 00	\$29,454 00	\$0 00	\$14,727 00	\$14,727 00
Northern Arizona University South San Francisco St Flagstaff, AZ 86011 <i>First-principles study of oxide interfaces for solar energy applications</i> \$0 00 2009		\$0 00	\$25 811 00	-\$25 811 00	\$0 00	\$0 00
Northern Kentucky University Nunn Dr Highland Heights, KY 41099 <i>Development of novel hydroquinone-based inhibitors of the sarcoendoplasmic reticulum calcium - ATPase</i> \$34,809 00 2006		\$16,501 00	\$0 00	\$0 00	\$16,501 00	\$0 00
Northern Kentucky University Nunn Dr Highland Heights, KY 41099 <i>Probing the Impact of Siderophores in Biofilm Formation</i> \$28,468 00 2007		\$14,234 00	\$0 00	\$0 00	\$14,234 00	\$0 00

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Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
Occidental College 1600 Campus Road Los Angeles, CA 90041 <i>Numerical simulations of turbulent thermal convection Investigations of the Large-Scale circulation and its reorientations</i>		\$11,842 00	\$0 00	\$0 00	\$11,842 00	\$0 00
\$43,684 00 2008						
Pace University, New York 1 Pace Plaza New York, NY 10038-1598 <i>Engineering Selective and Sensitive Chiroptical Fluorescent Sensors for Hg(II)</i>		\$43,107 00	\$0 00	\$0 00	\$21,804 00	\$21,303 00
\$43,107 00 2008						
Pacific University 2043 College Way Forest Grove, OR 97116 <i>Low-light-level Nonlinear and Quantum Optics via Light Confinement in an Anisotropic Magneto-optical Trap</i>		\$0 00	\$43,373 00	\$0 00	\$22,732 00	\$20,641 00
\$43,373 00 2009						
Pepperdine University 24255 Pacific Coast Highway Malibu, CA 90263-0001 <i>Synthesis of Complexes with #61472, b-Ketiminates bearing Pendant Nitrogen Donors as Promising Catalysts for Preparing Biodegradable Polymers</i>		\$0 00	\$31,348 00	\$0 00	\$0 00	\$31,348 00
\$31,348 00 2009						

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Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
Pittsburg State University 1701 South Broadway Pittsburg, KS 66762 <i>Charge Transporting Dendrimers</i> <i>Fluorescent Materials for Organic</i> <i>Light-Emitting Diodes (OLEDs)</i> \$44,954 00 2008		\$22,277 00	\$0 00	\$0 00	\$22,277 00	\$0 00
Pomona College Alexander Hall 333 N College Way Claremont, CA 91711 <i>Raman Imaging of Lipid Domains</i> \$45,000 00 2008		\$1,714 00	\$0 00	\$0 00	\$1,714 00	\$0 00
Pomona College Alexander Hall 333 N College Way Claremont, CA 91711 <i>Creation of an In Vivo Reporter System to</i> <i>Detect Hydroxylation Chemistry and Probe</i> <i>Duron Center Tuning in Re-Engineered</i> <i>Proteins</i> \$43,218 00 2008		\$43,218 00	\$0 00	\$0 00	\$21,609 00	\$21,609 00
Reed College 3203 SE Woodstock Blvd Portland, OR 97202 <i>Synchronization of Delay-Coupled</i> <i>Optoelectronic Systems</i> \$44,848 00 2008		\$44,848 00	\$0 00	\$0 00	\$33,424 00	\$11,424 00

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Regis University		\$15,231 00	\$0 00	\$0 00	\$15,231 00	\$0 00
333 Regis Blvd Denver, CO 80221						
<i>Direct electrochemical investigations of photosystem II</i>						
\$40,164 00						
2007						
Rose-Hulman Institute of Technology		\$0 00	\$43,826 00	\$0 00	\$0 00	\$43,826 00
5500 Wabash Avenue Terre Haute, IN 47803						
<i>Multi-photon confocal microscopy of self-assembled metal-ligands at the polymer interface in multi-layered polymer films</i>						
\$43,826 00						
2009						
Saint John's University		\$10,536 00	\$0 00	\$0 00	\$10,536 00	\$0 00
Grand Central & Utopia Parkways Queens, NY 11439						
<i>Exploring Nanoscale Charge Transport via Single Molecule Conductance Measurements</i>						
\$28,292 00						
2007						
Saint Louis University		\$17,324 00	\$0 00	\$0 00	\$17,324 00	\$0 00
221 North Grand Boulevard Saint Louis, MO 63103						
<i>Complex Temporal and Spatial Behavior of Interacting Chemical Systems Multi-Electrode Arrays and Micro-Fluidic Flow Cells</i>						
\$43,499 00						
2008						

Fiscal Year 2009

Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
Saint Louis University 221 North Grand Boulevard Saint Louis, MO 63103 <i>Effects of Substitution on Arene-Arene Interactions</i>		\$21,050.00	\$0.00	\$0.00	\$21,050.00	\$0.00
\$45,000.00 2008						
Saint Louis University 221 North Grand Boulevard Saint Louis, MO 63103 <i>Thermodynamic, Energetic, and Structural Characterization of Short RNA Oligomers Containing Inosine</i>		\$25,764.00	\$0.00	\$0.00	\$25,764.00	\$0.00
\$44,998.00 2008						
Saint Olaf College Northfield, MN 55057 <i>Recognition Award for Jeanne Narum PKAL</i>		\$0.00	\$1,500.00	\$0.00	\$0.00	\$1,500.00
\$1,500.00 2009						
Salisbury University 1101 Camden Avenue Salisbury, MD 21801-6837 <i>Synthesis of decalhydroquinolines by inverse electron demand controlled intramolecular Diels-Alder reactions of oxazolium ions</i>		\$0.00	\$44,718.00	\$0.00	\$0.00	\$44,718.00
\$44,718.00 2009						

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Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
Samford University 800 Lakeshire Drive Birmingham, AL 35229 <i>Bridging the Gap Between Potent Peptides and "Druggable" Molecules: Development of Bioavailable Leucine-Based Gamma-Lactone Prodrugs</i>		\$0.00	\$42,220.00	\$0.00	\$21,110.00	\$21,110.00
\$42,220.00 2009						
San Francisco State University 1600 Holloway Ave San Francisco, CA 94132 <i>Bandgap Study of Photonic Crystals and Quasiresonators</i>		\$0.00	\$39,948.00	\$0.00	\$19,974.00	\$19,974.00
\$39,948.00 2009						
Santa Clara University 500 El Camino Real Santa Clara, CA 95053 <i>Ferromagnetic Exchange in GaInMnAs Microscopic, Time-Resolved Study by Transient-Grating Spectroscopy</i>		\$44,570.00	\$0.00	\$0.00	\$33,565.00	\$11,005.00
\$44,570.00 2008						
Santa Clara University 500 El Camino Real Santa Clara, CA 95053 <i>Theoretical study of decoherence effects and quantum control of spin qubits in semiconductor quantum dots</i>		\$0.00	\$43,656.00	\$0.00	\$33,582.00	\$8,074.00
\$43,656.00 2009						

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Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
Science Friday, Inc. 4 West 43rd St., Ste 306 New York, NY 10036 <i>National Public Radio Science Friday</i> \$25,000 00 2009		\$0 00	\$25 000 00	\$0 00	\$25,000 00	\$0 00
Seattle University 900 Broadway Seattle, WA 98122-4340 <i>Analysis of protein stability in diabetes using a yeast model system</i> \$36,939 00 2006		\$17,232 00	\$0 00	\$0 00	\$17 232 00	\$0 00
Seattle University 900 Broadway Seattle, WA 98122-4340 <i>Enhancing diversity and improving stereoselectivity in the three-component synthesis of dihydropyridin-4-ones</i> \$43,218 00 2007		\$21,609 00	\$0 00	\$0 00	\$21,609 00	\$0 00
Seattle University 900 Broadway Seattle, WA 98122-4340 <i>Exploring the Persistence of Exogenous Pollutants The Role of Photochemical Degradation Mechanisms</i> \$43,218 00 2008		\$21,609 00	\$0 00	\$0 00	\$21,609 00	\$0 00

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Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
Simpson College						
701 N C Street		\$0 00	\$9,909 00	\$0 00	\$6,200 00	\$3,709 00
Indianola, IA 50125-1299						
<i>Electrochemical properties of metallic quantum wells</i>						
\$9,909 00						
2009						
Skidmore College						
815 North Broadway		\$17,495 00	\$0 00	\$0 00	\$17,495 00	\$0 00
Department of Chemistry, Dana 218						
Saratoga Springs, NY 12866						
<i>Phototriggered linkage isomerization of immobilized ruthenium dimethylsulfoxide complexes</i>						
\$44,990 00						
2007						
Smith College						
Northampton, MA 01063		\$20,341 00	\$0 00	\$0 00	\$20,341 00	\$0 00
<i>Magnetic Field-Induced Phase Transitions In The 2D Triangular Antiferromagnet C₁₂AlBr₄</i>						
\$40,683 00						
2007						
Smith College						
Northampton, MA 01063		\$0 00	\$2,000 00	\$0 00	\$2,000 00	\$0 00
<i>Recognition of Dr. Gayle P. W. Jackson's Service as RCSA's Recent Past President of its Board of Director's in Support of Undergraduate Faculty-Directed Research</i>						
\$2,000 00						
2009						

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Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
South Dakota School of Mines and Technology		\$0.00	\$40,000.00	\$0.00	\$27,000.00	\$13,000.00
501 E. Saint Joseph St. Rapid City, SD 57701 <i>Probing the interactions between conjugated polymer and ZnO nanostructure through nanosurface engineering</i>						
\$40,000.00						
2009						
Southern Illinois University, Edwardsville Edwardsville, IL 62026 <i>Mechanism of Calcium-Induced Electron Transfer in NADPH Oxidase 5 (NOX5) and Dual Oxidase (DUOX)</i>		\$18,974.00	\$0.00	\$0.00	\$0.00	\$18,974.00
\$44,948.00						
2007						
Southern Illinois University, Edwardsville Edwardsville, IL 62026 <i>Reductive Transformation of Organic Sulfonides by Iron Oxides and Reduced Organic Matter</i>		\$0.00	\$45,000.00	\$0.00	\$0.00	\$45,000.00
\$45,000.00						
2009						
Southwest Missouri State University <i>Studies on the combustion of organic compounds in a hydrogen/air flame</i>		\$17,000.00	\$0.00	\$0.00	\$0.00	\$17,000.00
\$17,000.00						
1988						

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Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
SUNY at Binghamton		\$19,092.00	\$0.00	\$0.00	\$19,092.00	\$0.00
PO Box 6000						
Binghamton, NY 13902						
<i>Inter-subband transitions in lattice-matched</i>						
<i>nitride semiconductor for infrared light</i>						
<i>emission and detection</i>						
\$44,244.00						
2007						
SUNY at New Paltz		\$0.00	\$28,928.00	\$0.00	\$18,837.00	\$10,091.00
75 South Manheim Blvd						
New Paltz, NY 12561-2499						
<i>Chemical structure and function of</i>						
<i>membrane-bound biosurfactants produced</i>						
<i>by Pseudomonas putida</i>						
\$28,928.00						
2009						
SUNY College at Cortland		\$0.00	\$38,471.00	\$0.00	\$19,553.00	\$18,918.00
PO Box 2000						
Cortland, NY 13045-0900						
<i>A facile method for the preparation of</i>						
<i>cell-permeant caged peptides using click</i>						
<i>chemistry</i>						
\$38,471.00						
2009						
SUNY College at Fredonia		\$13,688.00	\$0.00	\$0.00	\$13,688.00	\$0.00
280 Central Ave						
Fredonia, NY 14063						
Fredonia, NY 14063-						
<i>Ecological Chemistry of the Pine Sphule</i>						
<i>Bug</i>						
\$27,376.00						
2008						

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Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
SUNY College, Potsdam		\$36,925 00	\$0 00	\$0 00	\$21,100 00	\$15,825 00
Pierrepont Avenue Potsdam, NY 13676-2294						
<i>Relationships Between Iron and Hydrogen Peroxide, Free Radical Formation and Oxidative Damage in Recombinant Human and Bacterial Ferritin</i>						
\$36,925 00 2008						
SUNY Geneseo		\$0 00	\$42,583 00	\$0 00	\$20,524 00	\$22,059 00
One College Circle Geneseo, NY 14454						
<i>Capturing Aggregates of Luminescent d8 Compounds in Homogeneous Solutions Modeling Phosphorescent Dopants in OLEDs</i>						
\$42,583 00 2009						
Swarthmore College		\$30,000 00	\$0 00	\$0 00	\$16,130 00	\$13,870 00
500 College Avenue Swarthmore, PA 19081						
<i>The Effect of Chiral Modifier Properties and Temperature on Chiral Separations Using Ion Mobility Spectrometry</i>						
\$30,000 00 2008						
Swarthmore College		\$41,380 00	\$0 00	\$0 00	\$17,395 00	\$23,985 00
500 College Avenue Swarthmore, PA 19081						
<i>Synthesis and G-quadruplex DNA Binding of Novel beta-substituted Cationic Porphyrins Applications to Cancer Treatment</i>						
\$41,380 00 2008						

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Texas A&M University, Commerce		\$22,000.00	\$0.00	\$0.00	\$22,000.00	\$0.00
East Texas Station						
Commerce, TX 75429						
<i>Heterogeneous Catalysis by Palladium and</i>						
<i>Platinum Complexes Tethered to</i>						
<i>Mesoporous Silica</i>						
\$44,000.00						
2008						
Texas A&M University, Commerce		\$0.00	\$44,418.00	\$0.00	\$22,209.00	\$22,209.00
East Texas Station						
Commerce, TX 75429						
<i>Nuclear Astrophysics with Rare Nuclear</i>						
<i>Isotopes</i>						
\$44,418.00						
2009						
Texas State University, San Marcos		\$0.00	\$1,000,000.00	\$0.00	\$0.00	\$1,000,000.00
601 University Drive						
San Marcos, TX 78666						
<i>Chemistry and Physics of n-Doping</i>						
<i>Electroactive Polymers Computationally</i>						
<i>Directed Synthesis for Improved</i>						
<i>Performance</i>						
\$100,000.00						
2009						
Towson University		\$21,609.00	\$0.00	\$0.00	\$0.00	\$21,609.00
8000 York Road						
Towson, MD 21252						
<i>Phosphanyl(organyl)boranes Synthesis</i>						
<i>Characterization and Applications as</i>						
<i>Novel Ligands and Co-Catalysts in</i>						
<i>Metal-Catalyzed Oligomerization</i>						
\$43,003.00						
2008						

Fiscal Year 2009

Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
Towson University 8000 York Road Towson, MD 21252 <i>A Chromatographic Phage-Display Technique for Identifying Peptides that Inhibit Calcium Oxalate Monohydrate Crystal Growth</i>		\$0 00	\$44 100 00	\$0 00	\$26 974 00	\$17 126 00
\$44,100 00 2009						
Trinity College 300 Summit Street Hartford, CT 06106 <i>Investigations of Unique Photochemistry at the Liquid-Vapor Interface</i>		\$44 541 00	\$0 00	\$0 00	\$35,931 00	\$8,610 00
\$44,541 00 2008						
Trinity University 1 Trinity Place San Antonio, TX 78212 <i>Copper Chaperones from Thermus thermophilus Structural and Functional Studies of TlSco</i>		\$37,052 00	\$0 00	\$0 00	\$20 978 00	\$16,074 00
\$37,052 00 2008						
Trinity University 1 Trinity Place San Antonio, TX 78212 <i>Designed Ankyrin Repeats as Scaffolds for Multivalent Recognition</i>		\$0 00	\$40,000 00	\$0 00	\$20,000 00	\$20 000 00
\$40,000 00 2009						

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Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
Truman State University 100 E Normal St Kirksville, MO 63501-4221 <i>Atom-Centered Density Matrix Propagation Studies on the Solvolysis of Phosphonothiolates</i>		\$15,610.00	\$0.00	\$0.00	\$15,610.00	\$0.00
\$37,720.00 2008						
Twin Cities Public Television National Productions		\$15,000.00	\$0.00	\$0.00	\$15,000.00	\$0.00
<i>"The Quest to See Infinity" - a PBS NOVA Special</i>						
\$15,000.00 2008						
Undergraduate Biochemistry Club BECUR Conference University of Arizona Biological Sciences West, Rm 360 PO Box 210088 Tucson, AZ 85721-0088 <i>Support of the Biological, Engineering and Chemical Undergraduate Research (BECUR) Conference</i>		\$0.00	\$500.00	\$0.00	\$500.00	\$0.00
\$500.00 2009						
Union College 807 Union Street Schenectady, NY 12308 <i>A mechanistic investigation of the role of suspended particles on the photochemical degradation of emerging contaminants in surface waters</i>		\$0.00	\$43,036.00	\$0.00	\$28,768.00	\$14,268.00
\$43,036.00 2009						

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Beginning Balance	Newly Allocated	Amended	Amount Paid	Ending Balance
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Recipient and/or Purpose	Tax Status	2009	2009	2009	2009	2009
United States Naval Academy		\$0.00	\$39,248.00	\$0.00	\$25,774.00	\$13,574.00
589 McNair Rd Annapolis, MD 21402 <i>Probing the Structure of Quasar Accretion Disks by Analysis of Micro-lensing in Gravitationally Lensed Quasars</i>						
\$39,348.00 2009			\$38,036.00	\$0.00	\$0.00	\$38,036.00
University of Alaska, Anchorage 3211 Providence Drive Anchorage, AK 99508 <i>Dynamics of Protein Hydrophobic Cores by Deuterium Solid-State NMR Spectroscopy</i>		\$0.00		\$0.00		
\$38,036.00 2009		\$12,000.00	\$0.00	\$0.00	\$6,000.00	\$6,000.00
University of Arizona 888 N Euclid Ave Tucson, AZ 85721 <i>Pie-MARC Training Program at the University of Arizona</i>						
\$12,000.00 2008						
University of Arizona 888 N Euclid Ave Tucson, AZ 85721 <i>2009 University of Arizona College of Science Lecture Series: Science that Transforms: Funding for high school teachers to obtain academic credit to attend</i>		\$0.00	\$10,000.00	\$0.00	\$10,000.00	\$0.00
\$10,000.00 2009						

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Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
University of Arizona		\$0 00	\$15 000 00	\$0 00	\$15 000 00	\$0 00
888 N Euclid Ave						
Tucson, AZ 85721						
<i>Using endophytes isolated from</i>						
<i>progenitors to provide disease resistance</i>						
<i>to domesticated descendants</i>						
\$15,000 00						
2009						
University of Arizona		\$0 00	\$15 000 00	\$0 00	\$15,000 00	\$0 00
888 N Euclid Ave						
Tucson AZ 85721						
<i>Development of novel anti-cancer drugs</i>						
<i>for the treatment of colon diseases</i>						
\$15,000 00						
2009						
University of Arizona		\$0 00	\$15,000 00	\$0 00	\$15,000 00	\$0 00
888 N Euclid Ave						
Tucson, AZ 85721						
<i>Exploration of the Microbiota Associated</i>						
<i>with Honey Pot Ants, Myrmecocystus</i>						
<i>species, using DNA sequencing methods</i>						
\$15,000 00						
2009						
University of Arizona		\$0 00	\$15 000 00	\$0 00	\$15 000 00	\$0 00
888 N Euclid Ave						
Tucson, AZ 85721						
<i>Synthesis of Contrast Agents for Targeted</i>						
<i>Magnetic Resonance Imaging</i>						
\$15,000 00						
2009						

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Recipient and/or Purpose	Tax Status	Beginning Balance		Newly Allocated		Amended		Amount Paid		Ending Balance	
		2009	2009	2009	2009	2009	2009	2009	2009	2009	2009
University of Arizona		\$0.00		\$15,000.00		\$0.00		\$15,000.00		\$0.00	
888 N Euclid Ave											
Tucson, AZ 85721											
<i>Genetic and Molecular Characterization of</i>											
<i>Mutations that Affect Gene Silencing</i>											
\$15,000.00											
2009											
University of Arizona		\$0.00		\$15,000.00		\$0.00		\$15,000.00		\$0.00	
888 N Euclid Ave											
Tucson, AZ 85721											
<i>Managing Landscapes for Wildfire</i>											
<i>restoring fire balance in the</i>											
<i>Catalina-Rincon mountains</i>											
\$15,000.00											
2009											
University of Arizona		\$0.00		\$15,000.00		\$0.00		\$15,000.00		\$0.00	
888 N Euclid Ave											
Tucson, AZ 85721											
<i>Mechanistic Analysis of Nitrogen Oxide</i>											
<i>Chemistry under Biologically Relevant</i>											
<i>Conditions</i>											
\$15,000.00											
2009											
University of Arizona		\$0.00		\$15,000.00		\$0.00		\$15,000.00		\$0.00	
888 N Euclid Ave											
Tucson, AZ 85721											
<i>Measurements of Microwave Spectra and</i>											
<i>3-D Structures of Transition Metal</i>											
<i>Complexes</i>											
\$15,000.00											
2009											

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Recipient and/or Purpose	Tax Status	Beginning Balance		Newly Allocated		Amended		Amount Paid		Ending Balance	
		2009		2009		2009		2009		2009	
University of California, Riverside		\$0.00		\$100,000.00		\$0.00		\$95,000.00		\$5,000.00	
900 University Avenue											
Riverside, CA 92521-4009											
Self-Assembly of Superparamagnetic											
Colloids in Field-Responsive Photonic											
Crystals											
\$100,000.00											
2009											
University of Central Arkansas		\$16,250.00		\$0.00		\$0.00		\$16,250.00		\$0.00	
201 Donaghey Avenue											
Conway, AR 72035											
Effect of Retinoids on Lymphocyte											
Metalloprotease Mediated Shedding											
\$33,250.00											
2008											
University of Chicago		\$0.00		\$100,000.00		\$0.00		\$95,000.00		\$5,000.00	
5801 S Ellis Avenue											
Chicago, IL 60637											
The Second Red-Sequence Cluster Survey											
100 Million Galaxies for the Masses											
\$100,000.00											
2009											
University of Colorado, Colorado Springs		\$0.00		\$45,000.00		\$0.00		\$0.00		\$45,000.00	
1420 Austin Bluffs Parkway											
Colorado Springs, CO 80933											
Mechanistic studies of ligand inhibition of											
hexokinase isozymes using computational											
and experimental methods											
\$45,000.00											
2009											

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Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
University of Hawaii at Hilo 200 Kawihi Street Hilo, HI 96720 <i>Extinction and Star Formation Rate Maps in Nearby Galaxies</i>		\$0 00	\$42 056 00	\$0 00	\$24,276 00	\$17,780 00
\$42,056 00 2009						
University of Kansas Lawrence, KS 66045 <i>Probing particle physics and cosmology with cosmic velocity fields</i>		\$15,980 00	\$0 00	\$0 00	\$15,980 00	\$0 00
\$50,000 00 2006						
University of Minnesota, Duluth 1049 University Dr Duluth, MN 55812 <i>Complementarity between transmembrane amino acids of the organic anion transporters and substrates by QSAR and mutational analysis</i>		\$13,000 00	\$0 00	\$0 00	\$13,000 00	\$0 00
\$35,900 00 2006						
University of Minnesota, Duluth 1049 University Dr Duluth, MN 55812 <i>Elucidation of the Structure and Function of Four Mammalian BACE1 Isoforms Implications for BACE1-Directed Alzheimer's Disease Therapeutics</i>		\$17 539 00	\$0 00	\$0 00	\$17 539 00	\$0 00
\$35,078 00 2008						

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Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
University of Missouri-Kansas City 5100 Rockhill Road Kansas City, MO 64110 <i>Catching Galaxy Evolution in the Act</i> <i>Mining the SDSS for New Merger-formed</i> <i>Spheroidal Galaxies</i> \$42,988 00 2009		\$0 00	\$42 988 00	\$0 00	\$0 00	\$42,988 00
University of Montana 32 Campus Drive Missoula, MT 59812 <i>Measurement of the Influence of</i> <i>Spin-Orbit Coupling on the Ultrafast</i> <i>Magnetic Response in Ferromagnetic</i> <i>Metals</i> \$44,808 00 2008		\$44,808 00	\$0 00	\$0 00	\$41,191 00	\$3,617 00
University of Nebraska, Omaha 60th and Dodge Street Omaha, NE 68182- <i>Incorporating QPLD Derived Partial</i> <i>Charges in DNA-Ligand and DNA-Protein</i> <i>Binding Simulations</i> \$31,806 00 2008		\$15 903 00	\$0 00	\$0 00	\$15 903 00	\$0 00
University of North Carolina, Charlotte 9201 University City Blvd Charlotte, NC 28223 <i>Molecular Tweezers with Fluoroarene</i> <i>Pincers Synthesize Structures and</i> <i>Host-Guest Interaction</i> \$42,276 00 2008		\$15,342 00	\$0 00	\$0 00	\$15,342 00	\$0 00

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Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
University of North Carolina, Wilmington 601 South College Road Wilmington, NC 28403 <i>Catalytic Enantioselective Cooallogenation of Unactivated Alkenes</i> \$45,000 00 2007		\$22,500 00	\$0 00	\$0 00	\$22,500 00	\$0 00
University of North Carolina, Wilmington 601 South College Road Wilmington, NC 28403 <i>Thermodynamics of Membrane Domains in Mixtures Containing Cholesterol</i> \$40,200 00 2008		\$17,600 00	\$0 00	\$0 00	\$17,600 00	\$0 00
University of North Florida 4567 St Johns Bluff Rd S Jacksonville, FL 32224 <i>Near-field optical scattering from defect-mode plasmonic crystals</i> \$45,000 00 2009		\$0 00	\$45,000 00	\$0 00	\$27,890 00	\$17,110 00
University of Northern Colorado 501 20th Street Greeley, CO 80639 <i>Single Crystal Growth and Characterization of PrAu2Si2-xGex Materials on the Verge of Spin Glass and Magnetic Order</i> \$44,648 00 2008		\$15,824 00	\$0 00	\$0 00	\$15,824 00	\$0 00

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Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
University of Ontario Institute of Technology 2000 Simcoe Street North Oshawa, ON L1H 7K4 CANADA <i>Preparation of site-specific vitamin-albumin conjugates Potential vehicles for tumor targeting of paclitaxel</i> \$35,000 00 2006		\$17,500 00		\$0 00	\$17,500 00	\$0 00
University of Richmond 28 Westhampton Way Richmond VA 23173 <i>Preferences Across Phases Structural Preferences in Metal Dihydride and Metal Dihalide Monomers Oligomers and Extended Solids</i> \$40,680 00 2008		\$19,377 00	\$0 00	\$0 00	\$19,377 00	\$0 00
University of San Diego 5998 Alcalá Park San Diego, CA 92110-2492 <i>Department Development Award</i> \$496,730 00 2008		\$336,714 00	\$0 00	\$0 00	\$149,016 00	\$187,698 00
University of San Diego 5998 Alcalá Park San Diego, CA 92110-2492 <i>Bacterial Chloride-Transport Proteins Bridging the Structure-Function Gap</i> \$44,951 00 2008		\$44,951 00	\$0 00	\$0 00	\$30,009 00	\$14,942 00

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Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
University of South Alabama		\$11,700 00	\$0 00	\$0 00	\$11,700 00	\$0 00
307 University Blvd Mobile AL 36688 <i>Effects of size and electronic structure of vortex cores on the dynamics of superconducting vortices</i>						
\$43,800 00 2007						
University of Southern Maine		\$12,730 00	\$0 00	\$0 00	\$12,730 00	\$0 00
96 Falmouth Street PO Box 9300 Portland, ME 04104-9300 <i>Spectroscopy of the Veitias Family Toward a Compositional Understanding</i>						
\$28,760 00 2008						
University of Texas, El Paso		\$13,500 00	\$0 00	\$0 00	\$13,500 00	\$0 00
Admin Bldg Room 209 500 W University Avenue El Paso, TX 79968 <i>High-Pressure Neutron Spectroscopy Studies of the Superprotomic Phases of CsH2PO4 and RhH2PO4</i>						
\$38,167 00 2008						
University of Texas, Tyler		\$8,942 00	\$0 00	\$0 00	\$8,942 00	\$0 00
3900 University Blvd Tyler, TX 75799 <i>Application of Silver Nanoparticles and Silver Fractal-Like Structures in Microcavities in Surface-Enhanced Fluorescence Biosensing</i>						
\$37,664 00 2008						

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Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
University of Vermont		\$12,842.00	\$0.00	\$0.00	\$0.00	\$12,842.00
340 Waterman Building Burlington VT 05405 <i>Modification of the structure of polymer surfaces to control and direct cell growth</i>						
\$37,052.00						
2005						
University of Vermont		\$0.00	\$100,000.00	\$0.00	\$95,000.00	\$5,000.00
340 Waterman Building Burlington, VT 05405 <i>Catalytic Methods to Low-Valent Phosphorus</i>						
\$100,000.00						
2009						
University of Wisconsin, Stevens Point		\$15,696.00	\$0.00	\$0.00	\$15,696.00	\$0.00
2100 Main Street Stevens Point, WI 54481 <i>Generation and Studies of Pyrazinyleneethylenes Controlling Oligomer Geometry via Transition Metal Coordination</i>						
\$31,392.00						
2008						
University of Wisconsin, Eau Claire		\$15,500.00	\$0.00	\$0.00	\$15,500.00	\$0.00
Eau Claire, WI 54702 <i>NMR and LC/TOF Characterization of Metal Binding and Supramolecular Structure of Methanobactin a Novel High Affinity Chalkophore</i>						
\$34,500.00						
2008						

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Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
University of Wisconsin, La Crosse		\$16,227 00	\$0 00	\$0 00	\$16,227 00	\$0 00
1725 State Street						
La Crosse, WI 54601						
<i>Metal Binding Studies on Designed</i>						
<i>Siderophores Using a Solid Phase</i>						
<i>Synthesis-Compatible Hydroxamate Amino</i>						
<i>Acid</i>						
\$33,754 00						
2008						
University of Wisconsin, Madison		\$0 00	\$100,000 00	\$0 00	\$95 000 00	\$5 000 00
500 Lincoln Drive						
Madison, WI 53706						
<i>The dynamic interstellar medium</i>						
<i>confluence of observations and numerical</i>						
<i>simulations</i>						
\$100,000 00						
2009						
University of Wisconsin, Madison		\$0 00	\$100,000 00	\$0 00	\$95,000 00	\$5,000 00
500 Lincoln Drive						
Madison, WI 53706						
<i>Noise and Cooperative Phenomena in</i>						
<i>Amorphous Dielectric and Magnetic</i>						
<i>Systems</i>						
\$100,000 00						
2009						
Vassar College		\$43,998 00	\$0 00	\$0 00	\$26 724 00	\$17 274 00
124 Raymond Ave						
Poughkeepsie NY 12601						
<i>Biosynthesis of</i>						
<i>N-acetylphosphatidylethanolamine in</i>						
<i>Escherichia coli</i>						
\$43,998 00						
2008						

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Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
Vassar College 124 Raymond Ave Poughkeepsie, NY 12601 <i>Understanding Coral Bleaching Effects of Thermal Stress on the Proteome and Lipidome of Symbiotic Cnidarians</i> \$75,000 00 2009		\$0 00	\$75 000 00	\$0 00	\$0 00	\$75 000 00
Villanova University 800 Lancaster Avenue Villanova, PA 19085 <i>The Characterization of an Unusual Beta-Hydroxybutyrate Dehydrogenase and its Role in Trypanosome Energy Metabolism</i> \$30,700 00 2009		\$0 00	\$30,700 00	\$0 00	\$15 850 00	\$14 850 00
Wabash College 301 W Wabash, PO Box 352 Crawfordsville, IN 47933-2484 <i>Bifunctional Organocatalytic Salts: A New Approach for Asymmetric Conjugate Additions</i> \$45,000 00 2008		\$11 074 00	\$0 00	\$0 00	\$0 00	\$11,074 00
Wellesley College 106 Central Street Wellesley, MA 02481- <i>Defining the Minimum Requirements for Folding and Stability of Lin12/Notch Repeats Using Biophysical Chemistry and Human Notch1 LNRB as a Model System</i> \$44,684 00 2008		\$17 842 00	\$0 00	\$0 00	\$0 00	\$17 842 00

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Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
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West Chester University of Pennsylvania University & High Street West Chester, PA 19383-0001 <i>Structural and Dynamic Response of a Colloidal Glass to Local Forcing</i>	\$43,934 00	\$0 00	\$0 00	\$32 092 00	\$11 842 00
2008					
West Virginia University P O Box 6315, 209 Hodges Hall Morgantown, WV 26506 <i>Detecting Gravitational Waves Using Pulsar Timing Drift-Scan Searches for Millisecond Pulsars</i>	\$0 00	\$100 000 00	\$0 00	\$95,000 00	\$5,000 00
2009					
West Virginia University P O Box 6315, 209 Hodges Hall Morgantown, WV 26506 <i>Bursts flickers and cosmic flashers -- exploring the transient radio sky</i>	\$0 00	\$100,000 00	\$0 00	\$95,000 00	\$5 000 00
2009					
Western Washington University 516 High Street Bellingham, WA 98225 <i>Asymmetric Dearomatization Reactions Utilizing eta-2-Rhenium pi-Bases Use of Benzylidene Leaving Groups for Mild Dearomatization</i>	\$18 609 00	\$0 00	\$0 00	\$18 609 00	\$0 00
2007					

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Recipient and/or Purpose	Tax Status	Beginning Balance	Newly Allocated	Amended	Amount Paid	Ending Balance
		2009	2009	2009	2009	2009
Western Washington University		\$44,651 00	\$0 00	\$0 00	\$26,042 00	\$18,609 00
516 High Street						
Bellingham, WA 98225						
<i>Enantioselective Intramolecular Carbonyl</i>						
<i>Hydroxylations Applications in Total</i>						
<i>Synthesis</i>						
\$44,651 00						
2008						
Western Washington University		\$44,886 00	\$0 00	\$0 00	\$27,968 00	\$16,918 00
516 High Street						
Bellingham, WA 98225						
<i>Second Harmonic Generation Studies of</i>						
<i>Nitrogen Oxides at Water Surfaces</i>						
\$44,886 00						
2008						
Western Washington University		\$0 00	\$45,000 00	\$0 00	\$27,500 00	\$17,500 00
516 High Street						
Bellingham, WA 98225						
<i>Understanding Electronic Charge Carrier</i>						
<i>Motion in Organic and Hybrid Thin Films</i>						
\$45,000 00						
2009						
Western Washington University		\$0 00	\$44,661 00	\$0 00	\$0 00	\$44,661 00
516 High Street						
Bellingham, WA 98225						
<i>Deciphering the Roles of the Ribosomal</i>						
<i>Translocases in the Regulation of</i>						
<i>Translation</i>						
\$44,661 00						
2009						

RESEARCH CORPORATION
EIN: 13-1963407
STATEMENT 19

Fiscal Year 2009

Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
Western Washington University 516 High Street Bellingham, WA 98225 <i>Promotion/Reduction of Dinitrogen by Fe Complexes Utilizing Ligands Containing H-Bond Directors in the Secondary Coordination Sphere</i>		\$0.00	\$44,960.00	\$0.00	\$0.00	\$44,960.00
\$44,960.00 2009						
Wilfrid Laurier University 75 University Avenue West Waterloo, ON N2L 3C5 CANADA <i>Efficient Helicene Synthesis by Tandem Benign Cyclization - Intramolecular Radical Coupling/Trapping</i>		\$15,803.00	\$0.00	\$0.00	\$15,803.00	\$0.00
\$31,806.00 2007						
Wilfrid Laurier University 75 University Avenue West Waterloo, ON N2L 3C5 CANADA <i>Synthesis of New Nonplanar Polycyclic Aromatic Hydrocarbons</i>		\$13,500.00	\$0.00	\$0.00	\$13,500.00	\$0.00
\$27,000.00 2008						
Williams College Williamstown, MA 01267- <i>Efficient Quantum Routing in Superconducting Qubit Networks</i>		\$0.00	\$40,218.00	\$0.00	\$20,109.00	\$20,109.00
\$40,218.00 2009						

Fiscal Year 2009

Recipient and/or Purpose	Tax Status	Beginning Balance 2009	Newly Allocated 2009	Amended 2009	Amount Paid 2009	Ending Balance 2009
Williams College Williamstown, MA 01267- <i>Combinatorial Approaches to the Discovery and Systematic Study of Atom Transfer Radical Polymerization Catalysts</i>		\$0.00	\$44,952.00	\$0.00	\$0.00	\$44,952.00
2009						
Xavier University, Cincinnati Cincinnati, OH 45207 <i>Micromanipulation and Microtools Investigating Self-Regulating Optically Active Elements and Naturally Grown Optically Driven Rotors</i>		\$15,647.00	\$0.00	\$0.00	\$15,647.00	\$0.00
2007						
Yeshiva University 500 West 185th Street New York, NY 10033 <i>Molecular Electronics Research Program at Stern College</i>		\$17,763.00	\$0.00	\$0.00	\$17,763.00	\$0.00
2008						
Yeshiva University 500 West 185th Street New York, NY 10033 <i>Transport Properties and Control in Low-Dimensional Quantum Many-Body Systems</i>		\$30,000.00	\$0.00	\$0.00	\$16,000.00	\$14,000.00
2008						

RESEARCH CORPORATION
 EIN: 13-1963407
 STATEMENT 19

Fiscal Year 2009

Recipient and/or Purpose	Tax Status	Beginning Balance	Newly Allocated	Amended	Amount Paid	Ending Balance
		2009	2009	2009	2009	2009
Youngstown State University		\$15,842.00	\$0.00	\$0.00	\$15,842.00	\$0.00
One University Plaza						
Youngstown, OH 44555						
<i>Searching for Intra-Group Starlight using</i>						
<i>Deep Imaging How and When do Stars</i>						
<i>Leave Galaxies?</i>						
\$39,184.00						
2008						
Grand Totals (259 items)	5603	\$4,488,315.87	\$4,365,732.00	-\$36,727.00	\$5,282,061.79	\$3,535,259.08

RESEARCH CORPORATION**EIN: 13-1963407****STATEMENT 20****FORM 990-PF, Part IX-A, Summary of Direct Charitable Activities**

	2009 NET PROGRAM AWARD PAID	2009 INDIRECT EXPENSES ALLOCATED	2009 TOTAL PROGRAM EXPENSE
AWARD PROGRAMS.			
DPARTMENT DEVELOPMENT AWARDS	\$ 542,071 00	\$ 285,571.00	\$ 827,642 00
RESEARCH OPPORTUNITY AWARDS	\$ 29,980.00	15,794.00	45,774 00
COTTRELL SCHOLAR'S AWARDS	\$ 1,011,831.00	533,048.00	1,544,879.00
PARTNER IN SCIENCE AWARDS	\$ 120,000.00	63,218.00	183,218.00
PRESIDENT'S DISCRETIONARY AWARDS	\$ 318,849.00	167,975.00	486,824 00
COTTRELL COLLEGE SCIENCE AWARDS	\$ 3,259,331.00	1,717,066.00	4,976,397 00
GENERAL AWARDS	\$ -	-	-
	\$ 5,282,062.00	\$ 2,782,672.00	\$ 8,064,734.00
OTHER PROGRAM			
CHARITABLE CONTRIBUTIONS	28,956.00		28,956 00
TOTAL PROGRAM	<u>\$ 5,311,018.00</u>	<u>\$ 2,782,672.00</u>	<u>\$ 8,093,690 00</u>

Research Corporation

EIN: 13-1963407

STATEMENT 22

Form 990-PF, Part II, Balance Sheet, Line 13, Investments - Other

GRANTEE: RESEARCH CORPORATION TECHNOLOGIES
101 N. WILMOT RD., SUITE 600
TUCSON, ARIZONA 85711- 3335
EIN# 86-0572766

PURPOSE. ON MARCH 2, 1987, AS AMENDED ON MARCH 25, 1994, IN ACCORDANCE WITH SECTION 1605(c) OF THE TAX REFORM ACT OF 1986, THE FOUNDATION RESEARCH CORPORATION TECHNOLOGIES, INC , ("RTC"), A NONPROFIT CORPORATION SUBJECT TO REGULAR CORPORATE INCOME TAX LAWS, ENTERED INTO AGREEMENTS THROUGH WHICH RCT ASSUMED RESPONSIBILITY FOR THE TECHNOLOGY TRANSFER PROGRAM (THE "PROGRAM"), WHICH THE THE FOUNDATION OPERATED FOR MANY YEARS. IN ADDITION TO THE TRANSFER OF THE PROGRAM, THE FOUNDATION TRANSFERRED \$35,000,000 IN CASH AND SECURITIES IN EXCHANGE FOR A \$35,000,000 FULLY SUBORDINATED UNSECURED NOTE FROM (THE "NOTE") DUE FEBRUARY 28, 2017

RCT HAS PREPAID \$10,000,000 OF THE NOTE AND THE REMAINING \$25,000,000 PRINCIPAL AMOUNT OF THE AMENDED NOTE IS DUE ON FEBRUARY 28, 2017, SUBJECT TO ACCELERATION AT THE OPTION OF THE FOUNDATION AFTER DECEMBER 31, 2012 PROVIDED RCT'S RETAINED EARNINGS EXCEED \$100,000,000. BASIC INTEREST AT THE RATE OF 7 PERCENT PER ANNUM ON THE OUTSTANDING PRINCIPAL AMOUNT IS DUE SEMIANNUALLY.

TOTAL INVESTMENT:

\$25,000,000

RESEARCH CORPORATION TECHNOLOGIES, INC.

STATEMENT 23
EIN: 13-1963407

RESEARCH CORPORATION FOR SCIENCE ADVANCEMENT
Multi Investigator Cottrell College Science Award Application

http://s3.amazonaws.com/data.tumblr.com/tumblr_l5at6fAE4C1qzsbdto1_1280.png?AWSAccessKeyId=0RYTHV9YYQ4W5Q3HQM2&Expires=1278779072&Signature=q3M7dWEDi9blexCKF%2BbX8gpQKhA%3D
(Please confine responses to this form, using one side only Use Arial 11 point font)

PRINCIPAL INVESTIGATOR #1

Full Name:

Phone:

Academic Rank:

Fax:

Department:

Email:

Institution Name:

Institution Address:

Appointment Date: / /

PRINCIPAL INVESTIGATOR #2

Full Name:

Phone:

Academic Rank:

Fax:

Department:

Email:

Institution Name:

Institution Address:

Appointment Date: / /

PRINCIPAL INVESTIGATOR #3

Full Name:

Phone:

Academic Rank:

Fax:

Department:

Email:

Institution Name:

Institution Address:

Appointment Date: / /

TITLE OF PROPOSAL: (Must fit on two lines and not exceed 130 characters)

REQUESTED AMOUNT: \$

INSTITUTIONAL MATCH: \$

(\$75,000 for two member teams or \$100,000 for three-member teams)

STATEMENT 23
EIN: 13-1963407

RESEARCH CORPORATION FOR SCIENCE ADVANCEMENT
Multi Investigator Cottrell College Science Award Application

ABSTRACT: *(In the following space, provide a summary of your proposal plan Maximum 200 words)*

STATEMENT 23
EIN: 13-1963407

RESEARCH CORPORATION FOR SCIENCE ADVANCEMENT
Multi Investigator Cottrell College Science Award Application

PRINCIPAL INVESTIGATOR #1: BIOGRAPHICAL INFORMATION

NAME:

EDUCATION AND EXPERIENCE: *(List all degrees, postdoctoral appointments, PhD and postdoctoral mentors, previous employment dates and locations. Example. YYYY – Present, Current Institution, Department, City, State, Position, YYYY – YYYY Institution, Department, City, State, Degree, Mentor)*

PUBLICATIONS: *(List all peer-reviewed articles published or accepted for publication during the last five years [no abstracts, talks or conference proceedings], including all authors and titles; attach no more than one additional page For papers with more than 10 authors you may list only the corresponding authors and your rank among all authors, e g , 52 out of 200)*

FINANCIAL SUPPORT: *(List only awarded and pending submissions Indicate titles and dollar amount)*

STATEMENT 23
EIN: 13-1963407

RESEARCH CORPORATION FOR SCIENCE ADVANCEMENT
Multi Investigator Cottrell College Science Award Application

PRINCIPAL INVESTIGATOR #2: BIOGRAPHICAL INFORMATION

NAME:

EDUCATION AND EXPERIENCE: *(List all degrees, postdoctoral appointments, PhD and postdoctoral mentors, previous employment dates and locations Example: YYYY – Present, Current Institution, Department, City, State, Position, YYYY – YYYY Institution, Department, City, State, Degree, Mentor.)*

PUBLICATIONS: *(List all peer-reviewed articles published or accepted for publication during the last five years [no abstracts, talks or conference proceedings], including all authors and titles, attach no more than one additional page For papers with more than 10 authors you may list only the corresponding authors and your rank among all authors, e g , 52 out of 200)*

FINANCIAL SUPPORT: *(List only awarded and pending submissions. Indicate titles and dollar amount)*

STATEMENT 23
EIN: 13-1963407

RESEARCH CORPORATION FOR SCIENCE ADVANCEMENT
Multi Investigator Cottrell College Science Award Application

PRINCIPAL INVESTIGATOR #3: BIOGRAPHICAL INFORMATION

NAME:

EDUCATION AND EXPERIENCE: *(List all degrees, postdoctoral appointments, PhD and postdoctoral mentors, previous employment dates and locations Example. YYYY – Present, Current Institution, Department, City, State, Position, YYYY – YYYY Institution, Department, City, State, Degree, Mentor)*

PUBLICATIONS: *(List all peer-reviewed articles published or accepted for publication during the last five years [no abstracts, talks or conference proceedings], including all authors and titles; attach no more than one additional page. For papers with more than 10 authors you may list only the corresponding authors and your rank among all authors, e g , 52 out of 200)*

FINANCIAL SUPPORT: *(List only awarded and pending submissions Indicate titles and dollar amount)*

RESEARCH CORPORATION FOR SCIENCE ADVANCEMENT
Multi Investigator Cottrell College Science Award Application

PROPOSED BUDGET: (All amounts in US dollars Listed items should be clearly required for the proposed research Two year requests should be itemized per year Carefully refer to our website for information on what is and is not funded Be certain that requests for stipends and other items fall within program guidelines. Indirect costs of any kind may not be charged to RCSA)

	Year 1		Year 2	
	RCSA	Match	RCSA	Match
Equipment (Please itemize computers and equipment over \$1,000)				
Supplies (\$6,000 per year maximum from RCSA funds)				
Stipends (not to exceed maximum amounts indicated)				
Faculty Summer Stipend (up to \$7,500/faculty for 8 weeks)				
Weeks: Faculty per Year				
Undergraduate Summer Stipend (up to \$3,500 for 10 weeks)				
Weeks: Students per Year:				
FICA / Medicare (7 65% of stipend maximum)				
(Note. No other benefits or indirect costs are allowed)				
Travel (maximum \$2,500 per year from RCSA funds to conduct research, no conference or meeting travel)				
TOTALS				

	TOTAL BUDGET (Institutional match plus RCSA)	\$,
(Matching funds <u>must be at least</u> \$25,000)	INSTITUTIONAL MATCH	\$,
(Funds from RCSA <u>must equal</u> \$75,000 for two-member teams and \$100,000 for three-member teams)	REQUESTED FROM RCSA	\$,

ADDITIONAL SUPPORT: (List periods and direct cost amounts of all additional support [internal and external] including start-up received and requested for [1] this research, or [2] other research; identify requests that duplicate this one Start-up funding should **not** be listed as matching funds)

BUDGET RATIONALE: (Include the source of other items [equipment/supplies], which are needed for this research beyond those requested from RCSA Explain travel related to research and other budget items that require further clarification List any items from the above PROPOSED BUDGET for which a match is being provided and give dollar amount of the match Please recognize that an institutional match of \$10,000 is required)

STATEMENT 23
EIN: 13-1963407

RESEARCH CORPORATION FOR SCIENCE ADVANCEMENT
Multi Investigator Cottrell College Science Award Application

STATEMENT OF THE PROBLEM AND SCIENTIFIC SIGNIFICANCE OF PROPOSED RESEARCH *(State succinctly the fundamental scientific problem that will be addressed. Clearly outline the significance and originality of this problem, the value of an interdisciplinary approach and the impact it will have on the field if successful. Do not confuse goals and objectives with significance. Goals and objectives have to do with the desired end result, but say nothing about the value of reaching the goal. Significance describes the importance of a project and the value of achieving a goal. Do not use more than one page.)*

STATEMENT 23
EIN: 13-1963407

RESEARCH CORPORATION FOR SCIENCE ADVANCEMENT
Multi Investigator Cottrell College Science Award Application

PLAN OF PROCEDURE *(Present the technical approach to the problem and its feasibility, providing details sufficient to support feasibility. Point out innovative features, and relate them to previous work by including pertinent references. Indicate how this plan will contribute to the solution of the broad scientific problem being addressed. Preliminary results can make your case stronger but are not required. Brief statements on the availability of resources at your institution for the conduct of your research are helpful. Maximum three pages.)*

STATEMENT 23
EIN: 13-1963407

RESEARCH CORPORATION FOR SCIENCE ADVANCEMENT
Multi Investigator Cottrell College Science Award Application

PLAN OF PROCEDURE: *(continued)*

STATEMENT 23
EIN: 13-1963407

RESEARCH CORPORATION FOR SCIENCE ADVANCEMENT
Multi Investigator Cottrell College Science Award Application

PLAN OF PROCEDURE: *(continued)*

STATEMENT 23
EIN: 13-1963407

RESEARCH CORPORATION FOR SCIENCE ADVANCEMENT
Multi Investigator Cottrell College Science Award Application

LIST OF REFERENCES *(Annotate the proposal with a list of references from the primary literature Use only one page for your references; size Arial 10 or 11 point font Include all authors and titles)*

STATEMENT 23
EIN: 13-1963407

RESEARCH CORPORATION FOR SCIENCE ADVANCEMENT
Multi Investigator Cottrell College Science Award Application

LIST OF REVIEWERS *(The reviewer list should include at least nine "outsiders," individuals with whom you have had no substantive contact, who are experts in the proposed area of research, and at least three "insiders," preferably former mentors. The best outside reviewers are frequently corresponding authors from the cited references who are not known to you. Do not hesitate to use a combination of reviewers from academia and non-academic laboratories, including scientists from abroad. We may also select reviewers of our choice. Please include complete names (initials are not enough), mailing addresses, phone and fax numbers, and email addresses. Use Arial 10 or 11 point font. You must note briefly the nature and extent of your interactions, if any, with each of the outside reviewers. Examples: Met at a meeting, interviewed with, no interaction, never met, etc. Attach no more than one additional page.)*

ENDORSEMENT PAGE

**Conditions of Research Corporation for Science Advancement's
Multi Investigator Cottrell College Science Awards**

A RESEARCH CORPORATION FOR SCIENCE ADVANCEMENT (RCSA) AWARD is a contribution to the scientific and academic program of the institution and is to be used for support of work described in the application prepared by the principal investigator and adopted by the institution

Since research by its very nature is unpredictable and may require adaptations in order to exploit promising leads, the principal investigator should feel free to make changes in the emphasis or direction of the work as it progresses. If major changes are contemplated, prior approval should be obtained

Financial and scientific reports prepared on the foundation's forms are absolutely required. The first report is due within 30 calendar days of the 12-month anniversary of the award start date. The final report is due within 30 calendar days of the 24-month anniversary of the award start date. Failure to provide the first annual report may result in suspension of the award and a request to return unspent funds. Failure to provide the final report will result in suspension of the institution from participation in RCSA programs. A single 12-month no cost extension is possible, but must be requested by the principal investigator prior to the 24-month anniversary of the award start date. For approved extensions a 24-month report is required and the final report is due within 30 calendar days of the 36-month anniversary of the award start date.

The principal investigator is urged to publish the findings in the appropriate scientific journals, acknowledging the support of Research Corporation for Science Advancement and the appropriate donor, if any

RCSA awards are true awards to the institution, not contracts for research with the institution or the principal investigator, and RCSA disclaims any rights in the results of the research.

APPLICANTS: _____

PROJECT TITLE: _____

SUBMITTED BY:
(INSTITUTION) _____

Name of institution adopting and assuming responsibility for the above project, believing the principal investigator is qualified to conduct the project, and accepting the Conditions of Award, if an award is approved

NAME, POSITION AND E-MAIL
ADDRESS OF AUTHORIZED FINANCIAL
OFFICER: _____

SIGNATURE OF FINANCIAL OFFICER: _____ DATE _____

NAME OF CHIEF EXECUTIVE OFFICER (CEO) _____

TITLE OF CEO (President or Chancellor) _____

SIGNATURE OF PRINCIPAL INVESTIGATOR: _____ DATE _____

SIGNATURE OF PRINCIPAL INVESTIGATOR: _____ DATE _____

SIGNATURE OF PRINCIPAL INVESTIGATOR: _____ DATE _____

SCAN THIS SIGNED ENDORSEMENT PAGE AS THE LAST PAGE OF YOUR PDF FILE

(NOTE: If awarded, this Endorsement Page – with original signatures – must be mailed to RCSA)

**Research Corporation
EIN 13-1963407
STATEMENT 23**

*Please confine responses to this form, using one side only; attach **only** pages specified in the instructions. Use no less than an Arial 10 point font or a Times New Roman 11 point font.*

PRINCIPAL INVESTIGATOR PHONE· ACADEMIC RANK FAX· DEPARTMENT. E-MAIL
INSTITUTION INSTITUTION ADDRESS APPOINTMENT DATE

EDUCATION AND EXPERIENCE (All degrees, postdoctoral appointments, PhD and postdoctoral mentors, previous employment dates and locations. *See instructions for format.*)

TITLE OF PROPOSAL (Must fit on two lines and not exceed 130 characters)

Research Corporation

EIN 13-1963407

STATEMENT 23

RESEARCH CORPORATION

A Foundation for the Advancement of Science

CCSA Application PAGE 2 of 6

PUBLICATIONS OF PRINCIPAL INVESTIGATOR (List all during last five years [**no** abstracts or talks], include all authors and titles, attach no more than one additional page. For papers with more than 10 authors you may list only the corresponding author(s) and your rank among all authors, e.g , 52 out of 200)

Research Corporation
EIN 13-1963407
STATEMENT 23

PROPOSED BUDGET (explain, as appropriate, under Budget Rationale) **Year 1** **Year 2** **RC**
Match

Match

a) ITEMIZED EQUIPMENT (*computers and equip
over \$1,000*)

b) SUPPLIES (*\$6,000 per year maximum from RC funds*)

c) STIPENDS (*not to exceed rates indicated*) Faculty
Summer Stipend [up to \$7,500 for 8 wks] Weeks
Undergrad Summer Stipend [up to \$3,500 for 10 wks.]

Weeks Students per year FICA/Medicare (7 65% of
stipend) (*Note: No other benefits or indirect costs are
allowed*)

d) TRAVEL (*maximum of \$2,500 per year from RC funds
to conduct research, no conference or meeting travel*)

(*keep RC funds separate from match*) **TOTALS**

RC

TOTAL BUDGET

LESS MATCHING FUNDS FROM INSTITUTION (

(*must be between \$25,000 and \$45,000*) REQUESTED FROM RESEARCH CORPORATION

ADDITIONAL SUPPORT -List periods and direct cost amounts of all additional support [internal and external]
including start-up received and requested for [1] this research, or [2] other research, identify requests that duplicate
this one. (Start-up funding should not be listed as matching funds)

BUDGET RATIONALE -Include the source of other items [equipment/supplies], which are needed for this research
beyond those requested from RC Explain travel related to research and other budget items that require further
clarification. List any items from Proposed Budget above for which a match is being provided and give dollar amount
of the match

Research Corporation

EIN 13-1963407

STATEMENT 23

RESEARCH CORPORATION

A Foundation for the Advancement of Science

CCSA Application PAGE 4 of 6

STATEMENT OF THE PROBLEM AND SCIENTIFIC SIGNIFICANCE OF PROPOSED RESEARCH (State succinctly the problem that is to be addressed. Clearly outline the importance of the problem, the originality of the approach and the impact it may have on the field if successful. Give an overview of the broader significance as well as the immediate impact of this research. Do not use more than one page.)

Research Corporation

EIN 13-1963407

STATEMENT 23

RESEARCH CORPORATION

A Foundation for the Advancement of Science

CCSA Application PAGE 5 of 6

PLAN OF PROCEDURE (Outline the approach to the problem and its feasibility. Provide details sufficient to support project feasibility. Point out innovative features, relate it to previous work including pertinent references, and indicate how this plan may contribute to the solution of the broader problem posed.)

Research Corporation
EIN 13-1963407
STATEMENT 23

RESEARCH CORPORATION

CCSA Application

A Foundation for the Advancement of Science

PAGE 6 of 6

PLAN OF PROCEDURE,
continued

Research Corporation

EIN 13-1963407

STATEMENT 23

LIST OF REVIEWERS

The reviewer list should include at least eight "outsiders," individuals with whom you have had no substantive contact, who are experts in your area of research, and at least two "insiders," preferably former mentors. The best outside reviewers are frequently corresponding authors not known to you in the cited references. Do not hesitate to use a combination of reviewers from academia and non-academic laboratories, including scientists from abroad. We may also select reviewers of our choice. Please include complete names (initials are not enough), mailing addresses, phone and fax numbers, and e-mail addresses. **You must note briefly the nature and extent of your interactions, if any, with each of the outside reviewers.** Examples: Met at a meeting, interviewed with, no interaction, never met, etc. **Do not use more than one page.**

Research Corporation
EIN 13-1963407
STATEMENT 23

Conditions of Research Corporation's Cottrell College Science Awards

A RESEARCH CORPORATION AWARD is a contribution to the scientific and academic program of the institution and is to be used for support of work described in the application prepared by the principal investigator and adopted by the institution.

Since research by its very nature is unpredictable and may require adaptations in order to exploit promising leads, the principal investigator should feel free to make changes in the emphasis or direction of the work as it progresses. If major changes are contemplated, prior approval should be obtained.

The amount of the award is the total of the items approved in the budget submitted as part of the application. If it differs from the amount requested, the differences are noted in the letter of notification from the Vice President. Reallocation of awarded funds between budget categories requires prior approval. Faculty salaries not approved in the budget, indirect costs or overhead, secretarial assistance, and other costs not specifically in the budget are not allowed.

Financial and scientific reports prepared on the foundation's forms are absolutely required. The first report is due within 30 calendar days of the 12-month anniversary of the award start date. The final report is due within 30 calendar days of the 24-month anniversary of the award start date. Failure to provide the first annual report may result in suspension of the award and a request to return unspent funds. Failure to provide the final report will result in suspension of the institution from participation in Research Corporation programs. A single 12-month no cost extension is possible, but must be requested by the principal investigator prior to the 24-month anniversary of the award start date. For approved extensions a 24-month report is required and the final report is due within 30 calendar days of the 36-month anniversary of the award start date.

The principal investigator is urged to publish the findings in the appropriate scientific journals, acknowledging the support of Research Corporation and the appropriate donor, if any. One reprint of each publication resulting from the work is to be sent to the Research Corporation office.

Research Corporation awards are true awards to the institution, not contracts for research with the institution or the principal investigator, and Research Corporation disclaims any rights in the results of the research.

APPLICANT:

PROJECT TITLE:

SUBMITTED BY (Institution):

Name of institution adopting and assuming responsibility for the above project, believing the principal investigator is qualified to conduct the project, and accepting the Conditions of Award, if an award is approved.

Name and Position of Authorized Financial Officer

Signature of Financial Officer _____ Date _____ Name of

Chief Executive Officer and Title

(President or Chancellor); *signature not required* Signature of Principal Investigator

_____ Date _____

COTTRELL SCHOLAR AWARDS

*Please confine responses to this form, using one side only, attach **only** pages specified in the instructions. Use no less than an Arial 10 point font or a Times New Roman 11 point font*

PRINCIPAL INVESTIGATOR

PHONE

ACADEMIC RANK

FAX

DEPARTMENT

E-MAIL

INSTITUTION

INSTITUTION ADDRESS

APPOINTMENT DATE

EDUCATION AND EXPERIENCE (All degrees, postdoctoral appointments, PhD and postdoctoral mentors, previous employment dates and locations. *See instructions for format*)

TITLE OF PROPOSAL (Must fit on two lines and not exceed 130 characters)

ABSTRACT: In the following space, provide a summary of your proposal plan (Maximum 200 words)

Research Corporation

EIN 13-1963407

STATEMENT 23

RESEARCH CORPORATION

A Foundation for the Advancement of Science

CS Application

PAGE 2 of 8

PUBLICATIONS OF PRINCIPAL INVESTIGATOR (List all during last five years [*no* abstracts or talks], attach additional page if necessary.)

RESEARCH PROPOSAL

STATEMENT OF THE PROBLEM, ITS SCIENTIFIC SIGNIFICANCE, AND YOUR PLAN OF PROCEDURE (State succinctly the problem that is to be addressed. Clearly outline the importance of the problem, the originality of the approach and the impact it may have on the field if successful. Give an overview of the broader significance as well as the immediate impact of this research. Then outline your approach to the problem and include preliminary results, if available. Point out innovative features, relate to previous work, including pertinent references, and indicate how this plan may contribute to the solution of the broader problem posed.)

Research Corporation
EIN 13-1963407
STATEMENT 23

RESEARCH CORPORATION
A Foundation for the Advancement of Science

CS Application

PAGE 4 of 8

RESEARCH, continued

Research Corporation
EIN 13-1963407
STATEMENT 23

RESEARCH CORPORATION
A Foundation for the Advancement of Science

CS Application

PAGE 5 of 8

RESEARCH, continued

FINANCIAL SUPPORT (List start-up costs, grants received, and proposals under consideration, including titles, period of support, and dollar amounts.)

TEACHING PROPOSAL

Each applicant is expected to propose a teaching plan that has promise to improve science education. Although this is an opportunity to share the philosophy and principles that guide you as a teacher-scholar, you must include concrete examples of what you have done, as well as what you plan to do. Your plan needs to be substantive and must demonstrate a long-term commitment to your role as a teacher. Teaching proposals are screened initially by the Research Corporation staff, and only those that pass this screening process are submitted to peer review of the teaching and research, giving equal weight to both.

STATEMENT OF THE PROBLEM, SIGNIFICANCE OF THE PROBLEM, AND PLAN OF PROCEDURE (State clearly the problems or issues you wish to address and how they relate to any ongoing work. Carefully outline the importance of your plan and the impact it may have on your students, especially undergraduates. A viable approach should be given, including examples from your own experience and/or from the literature. Indicate ways in which the completion of this work has a broader impact.)

Research Corporation
EIN 13-1963407
STATEMENT 23

RESEARCH CORPORATION
A Foundation for the Advancement of Science

CS Application

PAGE 7 of 8

TEACHING, continued

Research Corporation
EIN 13-1963407
STATEMENT 23

RESEARCH CORPORATION
A Foundation for the Advancement of Science

CS Application

PAGE 8 of 8

TEACHING, continued

Research Corporation

EIN 13-1963407

STATEMENT 23

LIST OF REFERENCES

Annotate the proposal with a list of references. If more space is required, attach a maximum of one additional page

LIST OF REVIEWERS

The reviewer list should include at least eight "outsiders," individuals with whom you have had no substantive contact, who are experts in your area of research. List at least two "insiders," preferably former mentors. Do not hesitate to use industrial reviewers and scientists from abroad. (We may also select reviewers of our choice.) Please include complete names (initials are not enough), mailing addresses, phone and fax numbers, and e-mail addresses. **You must note briefly the nature and extent of your interactions with each of the outside reviewers.** Examples: Met at a meeting, interviewed with, no interaction, never met, etc. No more than one page.

ENDORSEMENT PAGE

Conditions of Research Corporation's Cottrell Scholar Award

A RESEARCH CORPORATION AWARD is a contribution to the scientific and academic program of the institution and is to be used for support of work described in the application prepared by the principal investigator and adopted by the institution

Since research by its very nature is unpredictable and may require adaptations in order to exploit promising leads, the principal investigator should feel free to make changes in the emphasis or direction of the work as it progresses. If major changes are contemplated, prior approval should be obtained

The principal investigator may, as dictated by the work, reallocate the budget among approved funding categories. Faculty salaries, indirect costs or overhead, and secretarial assistance are not chargeable to the award. Further details of program allowances and restrictions are on our web site at http://www.rescorp.org/cottrel_schol.php.

Reports are absolutely essential and are due each year on the anniversary date of the award until award funds have been fully expended or the work has reached a logical conclusion. The reports must be prepared by the principal investigator on the form furnished by Research Corporation. Failure to provide timely reports may result in a request for the return of funds.

The principal investigator is urged to publish the findings in the appropriate scientific journals, acknowledging the support of Research Corporation and the appropriate donor, if any. One reprint of each publication resulting from the work is to be sent to the Research Corporation office

Research Corporation awards are true awards to the institution, not contracts for research with the institution or the principal investigator, and Research Corporation disclaims any rights in the results of the research

APPLICANT: _____

PROJECT TITLE: _____

SUBMITTED BY (Institution): _____

Name of institution adopting and assuming responsibility for the above project, believing the principal investigator is qualified to conduct the project, and accepting the Conditions of Award, if an award is approved

Name and Position of Authorized Financial Officer: _____

Signature of Financial Officer: _____ Date _____

Name of Chief Executive Officer and Title: _____
(President or Chancellor); *signature not required*

Signature of Principal Investigator: _____ Date _____

SCAN THIS SIGNED ENDORSEMENT PAGE AS THE LAST PAGE OF YOUR PDF FILE.

NOTE: If awarded, this Endorsement Page – with original signatures – must be **mailed** to Research Corporation

RESEARCH CORPORATION

A Foundation for the Advancement of Science

ROA Application

PAGE 1 of 6

RESEARCH OPPORTUNITY AWARDS

*Please confine responses to this form, using one side only, attach **only** pages specified in the instructions Use no less than an Arial 10 point font or a Times New Roman 11 point font*

PRINCIPAL INVESTIGATOR

PHONE

ACADEMIC RANK

FAX

DEPARTMENT

E-MAIL

INSTITUTION

INSTITUTION ADDRESS

APPOINTMENT DATE

EDUCATION AND EXPERIENCE (All degrees, postdoctoral appointments, PhD and postdoctoral mentors, previous employment dates and locations *See instructions for format*)

TITLE OF PROPOSAL (Must fit on two lines and not exceed 130 characters)

ABSTRACT In the following space, provide a summary of your proposal plan. (Maximum 200 words.)

Research Corporation

EIN 13-1963407

STATEMENT-23

RESEARCH CORPORATION

A Foundation for the Advancement of Science

ROA Application

PAGE 2 of 6

PUBLICATIONS OF PRINCIPAL INVESTIGATOR (List all during last five years [*no* abstracts or talks], attach additional page if necessary.)

Research Corporation
EIN 13-1963407
STATEMENT 23

RESEARCH CORPORATION

A Foundation for the Advancement of Science

ROA Application

PAGE 3 of 6

PROPOSED BUDGET (explain, as appropriate, under Budget Rationale)

Year 1

Year 2

RC

Match

RC

Match

a) General Supplies and Small Equipment

Large Equipment - (list and give value)

b) Undergraduate Student Stipends number _____

Graduate Student Stipends number _____

(_____ academic year, _____ summer)

Postdoctoral Stipend

FICA/Medicare (up to 7 65% of stipends)

c) Other (itemize)

TOTALS

TOTAL BUDGET

LESS MATCHING FUNDS FROM INSTITUTION (_____)

REQUESTED FROM RESEARCH CORPORATION

INTERNAL SUPPORT (List any other support provided by department/institution for this and related research, not including matching funds in this request)

BUDGET RATIONALE (Provide explanations of items in Proposed Budget that require clarification, especially large equipment and items in the section titled "Other". Report percentages for benefits.)

PLAN OF PROCEDURE AND SIGNIFICANCE OF RESEARCH (Experimental plan of what is to be done, the significance of the problem, originality of the approach, and feasibility of the method must be clearly stated. Point out innovative features, explain significance and the relationship to previous work, and include pertinent literature references.)

PLAN OF PROCEDURE AND SIGNIFICANCE OF RESEARCH, continued

PLAN OF PROCEDURE AND SIGNIFICANCE OF RESEARCH, continued

Research Corporation

EIN 13-1963407

STATEMENT 23

LIST OF REFERENCES

Annotate the proposal with a list of references. If more space is required, attach a maximum of one additional page.

Research Corporation

EIN 13-1963407

STATEMENT 23

LIST OF REVIEWERS

The reviewer list should include at least eight "outsiders," individuals with whom you have had no substantive contact, who are experts in your area of research. List at least two "insiders," preferably former mentors. Do not hesitate to use industrial reviewers and scientists from abroad. (We may also select reviewers of our choice.) Please include complete names (initials are not enough), mailing addresses, phone and fax numbers, and e-mail addresses. **You must note briefly the nature and extent of your interactions with each of the outside reviewers.** Examples: Met at a meeting; interviewed with; no interaction; never met; etc. No more than one page.

Research Corporation
EIN 13-1963407
STATEMENT 23

RESEARCH CORPORATION

RESEARCH OPPORTUNITY AWARD APPLICATION
SUPPLEMENTAL INFORMATION

SUMMARY OF APPLICATIONS AND GRANTS

NAME _____ DATE _____

INSTITUTION _____

Please list the required information for all applications and grants prepared during the last *five* years:

<u>Date</u>	<u>Short Title</u>	<u>Agency</u>	<u>Amount</u>	<u>Action</u>
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ENDORSEMENT PAGE

Conditions of Research Corporation's Research Opportunity Award

A RESEARCH CORPORATION AWARD is a contribution to the scientific and academic program of the institution and is to be used for support of work described in the application prepared by the principal investigator and adopted by the institution

Since research by its very nature is unpredictable and may require adaptations in order to exploit promising leads, the principal investigator should feel free to make changes in the emphasis or direction of the work as it progresses. If major changes are contemplated, prior approval should be obtained.

The amount of the award is the total of the items approved in the budget submitted as part of the application. If it differs from the amount requested, the differences are noted in the letter of notification from the Vice President. The principal investigator may, as dictated by the work, reallocate the budget among approved funding categories. Faculty salaries not approved in the budget, indirect costs or overhead, and secretarial assistance are not chargeable to the award.

Reports are absolutely essential and are due each year on the anniversary date of the award until award funds have been fully expended or the work has reached a logical conclusion. The reports must be prepared by the principal investigator on the form furnished by Research Corporation. Failure to provide timely reports may result in a request for the return of funds.

The principal investigator is urged to publish the findings in the appropriate scientific journals, acknowledging the support of Research Corporation and the appropriate donor, if any. One reprint of each publication resulting from the work is to be sent to the Research Corporation office.

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PROJECT TITLE: _____

SUBMITTED BY (Institution): _____

Name of institution adopting and assuming responsibility for the above project, believing the principal investigator is qualified to conduct the project, and accepting the Conditions of Award, if an award is approved

Name and Position of Authorized Financial Officer _____

Signature of Financial Officer _____ Date _____

Name of Chief Executive Officer and Title _____
(President or Chancellor); *signature not required*

Signature of Principal Investigator _____ Date _____

SCAN THIS SIGNED ENDORSEMENT PAGE AS THE LAST PAGE OF YOUR PDF FILE.

NOTE: If awarded, this Endorsement Page – with original signatures – must be **mailed** to Research Corporation.

**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**

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

Electronic Filing (e-file). Generally, you can electronically file Form 8868 if you want a 3 month automatic extension of time to file one of the returns noted below (6 months for a corporation required to file Form 990-T). However, you cannot file Form 8868 electronically if (1) you want the additional (not automatic) 3-month extension or (2) you file Forms 990-BL, 6069, or 8870, group returns, or a composite or consolidated Form 990-T. Instead, you must submit the fully completed and signed page 2 (Part II) of Form 8868. For more details on the electronic filing of this form, visit www.irs.gov/efile and click on e-file for Charities & Nonprofits

Type or print	Name of Exempt Organization	Employer identification number
	RESEARCH CORPORATION	13-1963407
	Number, street, and room or suite no. If a P.O. box, see instructions 4703 E. Camp Lowell Suite 201, No. 201	
File by the due date for filing your return. See instructions	City, town or post office, state, and ZIP code. For a foreign address, see instructions Tucson, AZ 85712	

Check type of return to be filed (file a separate application for each return)

- | | | |
|---|---|------------------------------------|
| ☐ Form 990 | ☐ Form 990-T (corporation) | ☐ Form 4720 |
| ☐ Form 990-BL | ☐ Form 990-T (sec. 401(a) or 408(a) trust) | ☐ Form 5227 |
| ☐ Form 990-EZ | ☐ Form 990-T (trust other than above) | ☐ Form 6069 |
| ☒ Form 990-PF | ☐ Form 1041-A | ☐ Form 8870 |

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 will cover

- 1 I request an automatic 3 month (6 months for a corporation required to file Form 990-T) extension of time until August 15, 2010, to file the exempt organization return for the organization named above. The extension is for the organization's return for
- ▶ ☒ calendar year 2009 or
- ▶ ☐ tax year beginning _____, and ending _____

- 2 If this tax year 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 or 990-T, 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, or, if required, deposit with FTD coupon or, 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. 4-2009)

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

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

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

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

Type or print File by the extended due date for filing the return. See instructions	Name of Exempt Organization RESEARCH CORPORATION FOR SCIENCE ADVANCEMENT dba RESEARCH CORPORATION	Employer identification number 13-1963407
	Number, street, and room or suite no. If a P.O. box, see instructions 4703 E. Camp Lowell, No. 201	For IRS use only
	City, town or post office, state, and ZIP code. For a foreign address, see instructions Tucson, AZ 85712	

Check type of return to be filed (File a separate application for each return)

- ☐ Form 990 ☐ Form 990-EZ ☐ Form 990 T (sec. 401(a) or 408(a) trust) ☐ Form 1041 A ☐ Form 5227 ☐ Form 8870
☐ Form 990 BL ☒ Form 990-PF ☐ Form 990 T (trust other than above) ☐ Form 4720 ☐ Form 6069

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, 2010**

5 For calendar year **2009**, or other tax year beginning _____, and ending _____

6 If this tax year is for less than 12 months, check reason ☐ Initial return ☐ Final return ☐ Change in accounting period

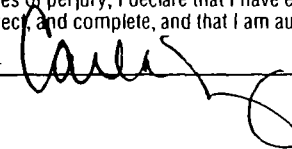
7 State in detail why you need the extension

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, or, if required, deposit with FTD coupon or, if required, by using EFTPS (Electronic Federal Tax Payment System). See instructions	8c	\$	0.

Signature and Verification

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

Signature 

Title **CPA**

Date **8/9/10**

Form 8868 (Rev. 4-2009)