

Form

990**Return of Organization Exempt From Income Tax**

OMB No. 1545-0047

2004**Open to Public Inspection**Department of the Treasury
Internal Revenue Service

Under section 501(c), 527, or 4947(a)(1) of the Internal Revenue Code (except black lung benefit trust or private foundation)

▶ The organization may have to use a copy of this return to satisfy state reporting requirements

A For the 2004 calendar year, or tax year beginning 1 January 2004, and ending 31 December 2004**B Check if applicable:**

- ☐ Address change
☐ Name change
☐ Initial return
☐ Final return
☐ Amended return
☐ Application pending

Please use IRS label or print on type. See Specific Instructions.

C Name of organization**Foundation for Advancements in Science and Education**

Number and street (or P.O. box if mail is not delivered to street address) Room/suite

4801 Wilshire Blvd., 215

City or town, state or country, and ZIP + 4

Los Angeles CA 90010**D Employer identification number****95 : 3711811****E Telephone number****(323) 937-9911****F Accounting method:** ☒ Cash ☐ Accrual☐ Other (specify) ▶

• Section 501(c)(3) organizations and 4947(a)(1) nonexempt charitable trusts must attach a completed Schedule A (Form 990 or 990-EZ).

H and I are not applicable to section 527 organizations**H(a) Is this a group return for affiliates?** ☐ Yes ☒ No**H(b) If "Yes," enter number of affiliates** ▶ ...**H(c) Are all affiliates included?** ☐ Yes ☐ No
(If "No," attach a list. See instructions.)**H(d) Is this a separate return filed by an organization covered by a group ruling?** ☐ Yes ☒ No**I Group Exemption Number** ▶**M Check** ☐ if the organization is not required to attach Sch. B (Form 990, 990-EZ, or 990-PF)**G Website:** ▶**J Organization type (check only one)** ▶ ☒ 501(c) (3) ◀ (insert no) ☐ 4947(a)(1) or ☐ 527**K Check here** ☐ if the organization's gross receipts are normally not more than \$25,000. The organization need not file a return with the IRS; but if the organization received a Form 990 Package in the mail, it should file a return without financial data. Some states require a complete return**L Gross receipts.** Add lines 6b, 8b, 9b, and 10b to line 12 ▶**Part I Revenue, Expenses, and Changes in Net Assets or Fund Balances** (See page 18 of the instructions.)

1 Contributions, gifts, grants, and similar amounts received:			
a Direct public support	1a	530,921	
b Indirect public support	1b		
c Government contributions (grants)	1c	530,921	
d Total (add lines 1a through 1c) (cash \$ _____ noncash \$ _____)	1d		530,921
2 Program service revenue including government fees and contracts (from Part VII, line 93)	2		
3 Membership dues and assessments	3		13,024
4 Interest on savings and temporary cash investments	4		70
5 Dividends and interest from securities	5		
6a Gross rents	6a		
b Less: rental expenses	6b		
c Net rental income or (loss) (subtract line 6b from line 6a)	6c		
7 Other investment income (describe ▶ _____)	7		
8a Gross amount from sales of assets other than inventory	(A) Securities	(B) Other	
	8a	196,537	
b Less cost or other basis and sales expenses	8b	31,036	
c Gain or (loss) (attach schedule)	Statement 1	8c	165,501
d Net gain or (loss) (combine line 8c, columns (A) and (B))	8d		165,501
9 Special events and activities (attach schedule). If any amount is from gaming, check here <input type="checkbox"/>			
a Gross revenue (including contributions reported on line 1a) of _____	9a		
b Less: direct expenses other than fundraising expenses	9b		
c Net income or (loss) from special events (subtract line 9b from line 9a)	9c		
10a Gross sales of inventory, less returns and allowances	10a		
b Less: cost of goods sold	10b		
c Gross profit or (loss) from sales of inventory (attach schedule) (subtract line 10b from line 10a)	10c		
11 Other revenue (from Part VII, line 103)	11		94,362
12 Total revenue (add lines 1d, 2, 3, 4, 5, 6c, 7, 8d, 9c, 10c, and 11)	12		803,878
13 Program services (from line 44, column (B))	13		554,291
14 Management and general (from line 44, column (C))	14		186,758
15 Fundraising (from line 44, column (D))	15		54,929
16 Payments to affiliates (attach schedule)	16		
17 Total expenses (add lines 16 and 44, column (A))	17		795,978
18 Excess or (deficit) for the year (subtract line 17 from line 12)	18		7900
19 Net assets or fund balances at beginning of year (from line 73, column (A))	19		(2,586)
20 Other changes in net assets or fund balances (attach explanation)	20		(1)
21 Net assets or fund balances at end of year (combine lines 18, 19, and 20)	21		5,313

For Privacy Act and Paperwork Reduction Act Notice, see the separate instructions

Cat No 11282Y

Form 990 (2004)

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Part II Statement of Functional Expenses

All organizations must complete column (A). Columns (B), (C), and (D) are required for section 501(c)(3) and (4) organizations and section 4947(a)(1) nonexempt charitable trusts but optional for others (See page 22 of the instructions)

Do not include amounts reported on line 6b, 8b, 9b, 10b, or 16 of Part I.		(A) Total	(B) Program services	(C) Management and general	(D) Fundraising
22	Grants and allocations (attach schedule) (cash \$ _____ noncash \$ _____)	22			
23	Specific assistance to individuals (attach schedule)	23			
24	Benefits paid to or for members (attach schedule)	24			
25	Compensation of officers, directors, etc.	25	216,126	95,908	77,093
26	Other salaries and wages	26	85,565	57,562	28,003
27	Pension plan contributions	27			
28	Other employee benefits	28	15,775	7,000	5,627
29	Payroll taxes	29	20,797	13,249	6,902
30	Professional fundraising fees	30			
31	Accounting fees	31	3,534		3,534
32	Legal fees	32	7,238		7,238
33	Supplies	33	9,266	5,903	3,075
34	Telephone	34	14,376	9,159	4,770
35	Postage and shipping	35	18,357	13,433	4,924
36	Occupancy	36	53,921	34,352	17,894
37	Equipment rental and maintenance	37	5,250		5,250
38	Printing and publications	38	28,310	27,640	670
39	Travel	39	3,893	3,393	500
40	Conferences, conventions, and meetings	40	10,500	10,500	
41	Interest	41	3,637		3,637
42	Depreciation, depletion, etc. (attach schedule)	42			
43	Other expenses not covered above (itemize) a Stmt 2	43a	299,433	276,192	17,641
b		43b			
c		43c			
d		43d			
e		43e			
44	Total functional expenses (add lines 22 through 43). Organizations completing columns (B)-(D), carry these totals to lines 13-15.	44	795,978	554,291	186,758

Joint Costs. Check ☐ if you are following SOP 98-2.Are any joint costs from a combined educational campaign and fundraising solicitation reported in (B) Program services? ☐ Yes ☐ No

If "Yes," enter (i) the aggregate amount of these joint costs \$ _____; (ii) the amount allocated to Program services \$ _____; (iii) the amount allocated to Management and general \$ _____, and (iv) the amount allocated to Fundraising \$ _____.

Part III Statement of Program Service Accomplishments (See page 25 of the instructions.)

What is the organization's primary exempt purpose? Statement 3		Program Service Expenses (Required for 501(c)(3) and (4) orgs. and 4947(a)(1) trusts but optional for others.)
a	Statement 5 Statement of Program Services	
	(Grants and allocations \$ _____)	554,291
b		
	(Grants and allocations \$ _____)	
c		
	(Grants and allocations \$ _____)	
d		
	(Grants and allocations \$ _____)	
e	Other program services (attach schedule) (Grants and allocations \$ _____)	
f	Total of Program Service Expenses (should equal line 44, column (B), Program services)	554,291

Part IV Balance Sheets (See page 25 of the instructions.)

Note: Where required, attached schedules and amounts within the description column should be for end-of-year amounts only		(A) Beginning of year		(B) End of year
Assets	45 Cash—non-interest-bearing	35,978	45	41,681
	46 Savings and temporary cash investments		46	
	47a Accounts receivable	47a		
	b Less: allowance for doubtful accounts	47b	47c	
	48a Pledges receivable	48a		
	b Less: allowance for doubtful accounts	48b	48c	
	49 Grants receivable		49	
	50 Receivables from officers, directors, trustees, and key employees (attach schedule)		50	
	51a Other notes and loans receivable (attach schedule)	51a		
	b Less: allowance for doubtful accounts	51b	51c	
	52 Inventories for sale or use		52	
	53 Prepaid expenses and deferred charges		53	
	54 Investments—securities (attach schedule) <input type="checkbox"/> Cost <input type="checkbox"/> FMV		54	
	55a Investments—land, buildings, and equipment: basis	55a		
	b Less: accumulated depreciation (attach schedule)	55b	55c	
56 Investments—other (attach schedule)		56		
57a Land, buildings, and equipment: basis	57a			
b Less: accumulated depreciation (attach schedule)	57b	57c		
58 Other assets (describe <input type="checkbox"/>)		58		
59 Total assets (add lines 45 through 58) (must equal line 74)	35,978	59	41,681	
Liabilities	60 Accounts payable and accrued expenses		60	
	61 Grants payable		61	
	62 Deferred revenue		62	
	63 Loans from officers, directors, trustees, and key employees (attach schedule)		63	
	64a Tax-exempt bond liabilities (attach schedule)		64a	
	b Mortgages and other notes payable (attach schedule)		64b	
	65 Other liabilities (describe <input type="checkbox"/> Statement 4)	38,564	65	36,368
66 Total liabilities (add lines 60 through 65)	38,564	66	36,368	
Net Assets or Fund Balances	Organizations that follow SFAS 117, check here <input type="checkbox"/> and complete lines 67 through 69 and lines 73 and 74			
	67 Unrestricted	(32,503)	67	(31,832)
	68 Temporarily restricted	29,917	68	37,145
	69 Permanently restricted		69	
	Organizations that do not follow SFAS 117, check here <input type="checkbox"/> and complete lines 70 through 74			
	70 Capital stock, trust principal, or current funds		70	
	71 Paid-in or capital surplus, or land, building, and equipment fund		71	
	72 Retained earnings, endowment, accumulated income, or other funds		72	
	73 Total net assets or fund balances (add lines 67 through 69 or lines 70 through 72, column (A) must equal line 19, column (B) must equal line 21)	(2,586)	73	5,313
	74 Total liabilities and net assets / fund balances (add lines 66 and 73)	35,978	74	41,681

Form 990 is available for public inspection and, for some people, serves as the primary or sole source of information about a particular organization. How the public perceives an organization in such cases may be determined by the information presented on its return. Therefore, please make sure the return is complete and accurate and fully describes in Part III, the organization's programs and accomplishments.

Part IV-A Reconciliation of Revenue per Audited Financial Statements with Revenue per Return (See page 27 of the instructions.)		Part IV-B Reconciliation of Expenses per Audited Financial Statements with Expenses per Return			
a Total revenue, gains, and other support per audited financial statements ▶	a	NA	a Total expenses and losses per audited financial statements ▶	a	NA
b Amounts included on line a but not on line 12, Form 990:			b Amounts included on line a but not on line 17, Form 990:		
(1) Not unrealized gains on investments \$			(1) Donated services and use of facilities \$		
(2) Donated services and use of facilities \$			(2) Prior year adjustments reported on line 20, Form 990 \$		
(3) Recoveries of prior year grants \$			(3) Losses reported on line 20, Form 990 \$		
(4) Other (specify):			(4) Other (specify):		
..... \$		 \$		
Add amounts on lines (1) through (4) ▶	b	NA	Add amounts on lines (1) through (4) ▶	b	NA
c Line a minus line b ▶	c	NA	c Line a minus line b ▶	c	NA
d Amounts included on line 12, Form 990 but not on line a:			d Amounts included on line 17, Form 990 but not on line a:		
(1) Investment expenses not included on line 6b, Form 990 \$			(1) Investment expenses not included on line 6b, Form 990 \$		
(2) Other (specify):			(2) Other (specify):		
..... \$		 \$		
Add amounts on lines (1) and (2) ▶	d		Add amounts on lines (1) and (2) ▶	d	
e Total revenue per line 12, Form 990 (line c plus line d) ▶	e	NA	e Total expenses per line 17, Form 990 (line c plus line d) ▶	e	NA

Part V List of Officers, Directors, Trustees, and Key Employees (List each one even if not compensated; see page 27 of the instructions.)

(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 & deferred compensation	(E) Expense account and other allowances
Keith Millor 4801 Wilshire Blvd., Suite 215 Los Angeles, CA 9001	President, 40	124,049	6,402	0
Carl Smith 4801 Wilshire Blvd., Suite 215 Los Angeles, CA 9001	VP / Secretary, 40	91,577	3,229	0
Racquel Skolnik 4801 Wilshire Blvd., Suite 215 Los Angeles, CA 9001	Director, 1/2	500	0	0
Steven Heard 4801 Wilshire Blvd., Suite 215 Los Angeles, CA 9001	Director, 1/2	0	0	0
Leonard Klien 4801 Wilshire Blvd., Suite 215 Los Angeles, CA 9001	Director, 1/2	0	0	0
Ray Mellado 4801 Wilshire Blvd., Suite 215 Los Angeles, CA 9001	Director 1/2	0	0	0

75 Did any officer, director, trustee, or key employee receive aggregate compensation of more than \$100,000 from your organization and all related organizations, of which more than \$10,000 was provided by the related organizations? ☐ Yes ☐ No
If "Yes," attach schedule—see page 28 of the instructions

Part VI Other Information (See page 28 of the instructions.)

	Yes	No
76 Did the organization engage in any activity not previously reported to the IRS? If "Yes," attach a detailed description of each activity.	76	✓
77 Were any changes made in the organizing or governing documents but not reported to the IRS? If "Yes," attach a conformed copy of the changes.	77	✓
78a Did the organization have unrelated business gross income of \$1,000 or more during the year covered by this return?	78a	✓
b If "Yes," has it filed a tax return on Form 990-T for this year?	78b	✓
79 Was there a liquidation, dissolution, termination, or substantial contraction during the year? If "Yes," attach a statement	79	✓
80a Is the organization related (other than by association with a statewide or nationwide organization) through common membership, governing bodies, trustees, officers, etc., to any other exempt or nonexempt organization?	80a	✓
b If "Yes," enter the name of the organization Tha F.A.S.E. Centennial Fund, Inc. and check whether it is <input checked="" type="checkbox"/> exempt or <input type="checkbox"/> nonexempt.		
81a Enter direct and indirect political expenditures. See line 81 instructions 81a NA	81a	NA
b Did the organization file Form 1120-POL for this year?	81b	
82a Did the organization receive donated services or the use of materials, equipment, or facilities at no charge or at substantially less than fair rental value?	82a	✓
b If "Yes," you may indicate the value of these items here. Do not include this amount as revenue in Part I or as an expense in Part II (See instructions in Part III) 82b		
83a Did the organization comply with the public inspection requirements for returns and exemption applications?	83a	✓
b Did the organization comply with the disclosure requirements relating to quid pro quo contributions?	83b	✓
84a Did the organization solicit any contributions or gifts that were not tax deductible?	84a	✓
b If "Yes," did the organization include with every solicitation an express statement that such contributions or gifts were not tax deductible?	84b	
85 501(c)(4), (5), or (6) organizations. a Were substantially all dues nondeductible by members?	85a	
b Did the organization make only in-house lobbying expenditures of \$2,000 or less? If "Yes" was answered to either 85a or 85b, do not complete 85c through 85h below unless the organization received a waiver for proxy tax owed for the prior year.	85b	
c Dues, assessments, and similar amounts from members 85c NA		
d Section 162(e) lobbying and political expenditures 85d NA		
e Aggregate nondeductible amount of section 6033(e)(1)(A) dues notices 85e NA		
f Taxable amount of lobbying and political expenditures (line 85d less 85e) 85f NA		
g Does the organization elect to pay the section 6033(e) tax on the amount on line 85f?	85g	
h If section 6033(e)(1)(A) dues notices were sent, does the organization agree to add the amount on line 85f to its reasonable estimate of dues allocable to nondeductible lobbying and political expenditures for the following tax year?	85h	
86 501(c)(7) orgs. Enter: a Initiation fees and capital contributions included on line 12 86a NA		
b Gross receipts, included on line 12, for public use of club facilities 86b NA		
87 501(c)(12) orgs. Enter: a Gross income from members or shareholders 87a NA		
b Gross income from other sources. (Do not net amounts due or paid to other sources against amounts due or received from them.) 87b NA		
88 At any time during the year, did the organization own a 50% or greater interest in a taxable corporation or partnership, or an entity disregarded as separate from the organization under Regulations sections 301.7701-2 and 301.7701-3? If "Yes," complete Part IX	88	✓
89a 501(c)(3) organizations Enter. Amount of tax imposed on the organization during the year under section 4911 89a section 4912 89a section 4955 89a		
b 501(c)(3) and 501(c)(4) orgs Did the organization engage in any section 4958 excess benefit transaction during the year or did it become aware of an excess benefit transaction from a prior year? If "Yes," attach a statement explaining each transaction	89b	✓
c Enter Amount of tax imposed on the organization managers or disqualified persons during the year under sections 4912, 4955, and 4958 89c 0		0
d Enter Amount of tax on line 89c, above, reimbursed by the organization 89d 0		0
90a List the states with which a copy of this return is filed California 90a 8		8
b Number of employees employed in the pay period that includes March 12, 2004 (See instructions) 90b 8		8
91 The books are in care of Keith Miller Telephone no (323) 937-9911 Located at 4801 Wilshire Blvd., Suite 215 Los Angeles ZIP + 4 90010		
92 Section 4947(a)(1) nonexempt charitable trusts filing Form 990 in lieu of Form 1041—Check here <input type="checkbox"/> and enter the amount of tax-exempt interest received or accrued during the tax year 92		

Part VII Analysis of Income-Producing Activities (See page 33 of the instructions.)

Note: Enter gross amounts unless otherwise indicated.

		Unrelated business income		Excluded by section 512, 513, or 514		(E) Related or exempt function income
		(A) Business code	(B) Amount	(C) Exclusion code	(D) Amount	
93	Program service revenue:					
a	Rent			16	13,024	
b						
c						
d						
e						
f	Medicare/Medicaid payments					
g	Fees and contracts from government agencies					
94	Membership dues and assessments					
95	Interest on savings and temporary cash investments			14	70	
96	Dividends and interest from securities					
97	Net rental income or (loss) from real estate					
a	debt-financed property					
b	not debt-financed property					
98	Net rental income or (loss) from personal property					
99	Other investment income					
100	Gain or (loss) from sales of assets other than inventory					
101	Net income or (loss) from special events					
102	Gross profit or (loss) from sales of inventory					165,501
103	Other revenue: a Royalties			15	94,362	
b						
c						
d						
e						
104	Subtotal (add columns (B), (D), and (E))				107,456	165,501
105	Total (add line 104, columns (B), (D), and (E))					272,957

Note: Line 105 plus line 1d, Part I, should equal the amount on line 12, Part I.

Part VIII Relationship of Activities to the Accomplishment of Exempt Purposes (See page 34 of the instructions.)

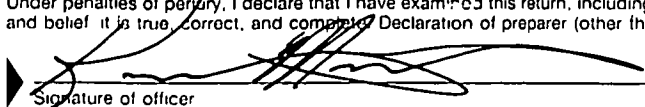
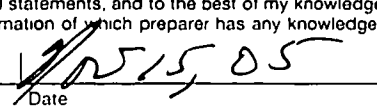
Line No.	Explain how each activity for which income is reported in column (E) of Part VII contributed importantly to the accomplishment of the organization's exempt purposes (other than by providing funds for such purposes).
102	Distribution of videotapes for use in classroom instruction, professional development and other educational uses. Those tapes support improvement in mathematics and science instruction.

Part IX Information Regarding Taxable Subsidiaries and Disregarded Entities (See page 34 of the instructions.)

(A) Name, address, and EIN of corporation, partnership, or disregarded entity	(B) Percentage of ownership interest	(C) Nature of activities	(D) Total income	(E) End-of-year assets
	%			
	%			
	%			
	%			

Part X Information Regarding Transfers Associated with Personal Benefit Contracts (See page 34 of the instructions.)(a) Did the organization, during the year, receive any funds, directly or indirectly, to pay premiums on a personal benefit contract? ☐ Yes ☐ No(b) Did the organization, during the year, pay premiums, directly or indirectly, on a personal benefit contract? ☐ Yes ☐ No

Note: If "Yes" to (b), file Form 8870 and Form 4720 (see instructions).

Please Sign Here	Under penalties of perjury, I declare that I have examined this return, including accompanying schedules and statements, and to the best of my knowledge and belief it is true, correct, and complete. Declaration of preparer (other than officer) is based on all information of which preparer has any knowledge.			
	 Signature of officer Keith Miller Type or print name and title		 Date	
Paid Preparer's Use Only	Preparer's signature	Date	Check if self-employed <input type="checkbox"/>	Preparer's SSN or PTIN (See Gen. Inst. W)
	Firm's name (or yours if self-employed) address and ZIP + 4	EIN	Phone no	

SCHEDULE A
(Form 990 or 990-EZ)

Department of the Treasury
Internal Revenue Service

Organization Exempt Under Section 501(c)(3)

(Except Private Foundation) and Section 501(c), 501(f), 501(k),
501(n), or Section 4947(a)(1) Nonexempt Charitable Trust

Supplementary Information—(See separate instructions.)

▶ **MUST be completed by the above organizations and attached to their Form 990 or 990-EZ**

OMB No. 1545-0047

2004

Name of the organization

Foundation for Advancemoments In Science and Education

Employer identification number

95-3711811

Part I

Compensation of the Five Highest Paid Employees Other Than Officers, Directors, and Trustees
(See page 1 of the instructions. List each one. If there are 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 & deferred compensation	(e) Expense account and other allowances
NONE				
Total number of other employees paid over \$50,000				

Part II

Compensation of the Five Highest Paid Independent Contractors for Professional Services
(See page 2 of the instructions. List each one (whether individuals or firms). If there are none, enter "None.")

(a) Name and address of each independent contractor paid more than \$50,000	(b) Type of service	(c) Compensation
NONE		
Total number of others receiving over \$50,000 for professional services		

Part III Statements About Activities (See page 2 of the instructions.)

	Yes	No
1 During the year, has the organization attempted to influence national, state, or local legislation, including any attempt to influence public opinion on a legislative matter or referendum? If "Yes," enter the total expenses paid or incurred in connection with the lobbying activities ▶ \$ _____ (Must equal amounts on line 38, Part VI-A, or line I of Part VI-B.)		✓
Organizations that made an election under section 501(h) by filing Form 5768 must complete Part VI-A. Other organizations checking "Yes" must complete Part VI-B AND attach a statement giving a detailed description of the lobbying activities.		
2 During the year, has the organization, either directly or indirectly, engaged in any of the following acts with any substantial contributors, trustees, directors, officers, creators, key employees, or members of their families, or with any taxable organization with which any such person is affiliated as an officer, director, trustee, majority owner, or principal beneficiary? (If the answer to any question is "Yes," attach a detailed statement explaining the transactions.)		
a Sale, exchange, or leasing of property?	2a	✓
b Lending of money or other extension of credit?	2b	✓
c Furnishing of goods, services, or facilities?	2c	✓
d Payment of compensation (or payment or reimbursement of expenses if more than \$1,000)?	2d	✓
e Transfer of any part of its income or assets?	2e	✓
3a Do you make grants for scholarships, fellowships, student loans, etc? (If "Yes," attach an explanation of how you determine that recipients qualify to receive payments)	3a	✓
b Do you have a section 403(b) annuity plan for your employees?	3b	✓
4a Did you maintain any separate account for participating donors where donors have the right to provide advice on the use or distribution of funds?	4a	✓
b Do you provide credit counseling, debt management, credit repair, or debt negotiation services?	4b	

Part IV Reason for Non-Private Foundation Status (See pages 3 through 6 of the instructions.)The organization is not a private foundation because it is: (Please check only **ONE** applicable box.)

- 5 ☐ A church, convention of churches, or association of churches. Section 170(b)(1)(A)(i).
- 6 ☐ A school. Section 170(b)(1)(A)(ii). (Also complete Part V.)
- 7 ☐ A hospital or a cooperative hospital service organization. Section 170(b)(1)(A)(iii).
- 8 ☐ A Federal, state, or local government or governmental unit. Section 170(b)(1)(A)(v).
- 9 ☐ A medical research organization operated in conjunction with a hospital. Section 170(b)(1)(A)(iii). Enter the hospital's name, city, and state ▶ _____
- 10 ☐ An organization operated for the benefit of a college or university owned or operated by a governmental unit. Section 170(b)(1)(A)(iv). (Also complete the **Support Schedule** in Part IV-A.)
- 11a ☒ An organization that normally receives a substantial part of its support from a governmental unit or from the general public. Section 170(b)(1)(A)(vi). (Also complete the **Support Schedule** in Part IV-A.)
- 11b ☐ A community trust. Section 170(b)(1)(A)(vi). (Also complete the **Support Schedule** in Part IV-A.)
- 12 ☐ An organization that normally receives (1) more than 33 1/3% of its support from contributions, membership fees, and gross receipts from activities related to its charitable, etc., functions—subject to certain exceptions, and (2) no more than 33 1/3% of its support from gross investment income and unrelated business taxable income (less section 511 tax) from businesses acquired by the organization after June 30, 1975. See section 509(a)(2). (Also complete the **Support Schedule** in Part IV-A.)
- 13 ☐ An organization that is not controlled by any disqualified persons (other than foundation managers) and supports organizations described in (1) lines 5 through 12 above, or (2) section 501(c)(4), (5), or (6), if they meet the test of section 509(a)(2). (See section 509(a)(3).)

Provide the following information about the supported organizations (See page 5 of the instructions.)

(a) Name(s) of supported organization(s)	(b) Line number from above

- 14 ☐ An organization organized and operated to test for public safety. Section 509(a)(4). (See page 5 of the instructions.)

Part IV-A Support Schedule (Complete only if you checked a box on line 10, 11, or 12.) *Use cash method of accounting.***Note:** You may use the worksheet in the instructions for converting from the accrual to the cash method of accounting.

Calendar year (or fiscal year beginning in)	(a) 2003	(b) 2002	(c) 2001	(d) 2000	(e) Total
15 Gifts, grants, and contributions received. (Do not include unusual grants. See line 28.)	261,211	178,891	467,083	843,914	1,751,099
16 Membership fees received					
17 Gross receipts from admissions, merchandise sold or services performed, or furnishing of facilities in any activity that is related to the organization's charitable, etc., purpose	132,594	283,472	336,993	455,747	1,208,806
18 Gross income from interest, dividends, amounts received from payments on securities loans (section 512(a)(5)), rents, royalties, and unrelated business taxable income (loss section 511 taxes) from businesses acquired by the organization after June 30, 1975	117,703	139,634	140,601	327,479	725,417
19 Net income from unrelated business activities not included in line 18.					
20 Tax revenues levied for the organization's benefit and either paid to it or expended on its behalf					
21 The value of services or facilities furnished to the organization by a governmental unit without charge. Do not include the value of services or facilities generally furnished to the public without charge.					
22 Other income. Attach a schedule. Do not include gain or (loss) from sale of capital assets					
23 Total of lines 15 through 22	511,508	601,997	944,677	1,627,140	3,685,322
24 Line 23 minus line 17	378,914	318,525	607,684	1,171,393	2,476,516
25 Enter 1% of line 23	5,115	6,020	9,447	16,271	
26 Organizations described on lines 10 or 11: a Enter 2% of amount in column (e), line 24					49,530
b Prepare a list for your records to show the name of and amount contributed by each person (other than a governmental unit or publicly supported organization) whose total gifts for 2000 through 2003 exceeded the amount shown in line 26a. Do not file this list with your return. Enter the total of all these excess amounts					239,755
c Total support for section 509(a)(1) test: Enter line 24, column (e)					3,685,322
d Add: Amounts from column (e) for lines: 18 725,417 19 239,755 22 239,755					965,172
e Public support (line 26c minus line 26d total)					2,720,150
f Public support percentage (line 26e (numerator) divided by line 26c (denominator))					74 %
27 Organizations described on line 12: a For amounts included in lines 15, 16, and 17 that were received from a "disqualified person," prepare a list for your records to show the name of, and total amounts received in each year from, each "disqualified person." Do not file this list with your return. Enter the sum of such amounts for each year: (2003) (2002) (2001) (2000)					
b For any amount included in line 17 that was received from each person (other than "disqualified persons"), prepare a list for your records to show the name of, and amount received for each year, that was more than the larger of (1) the amount on line 25 for the year or (2) \$5,000. (Include in the list organizations described in lines 5 through 11, as well as individuals.) Do not file this list with your return. After computing the difference between the amount received and the larger amount described in (1) or (2), enter the sum of these differences (the excess amounts) for each year: (2003) (2002) (2001) (2000)					
c Add Amounts from column (e) for lines 15 16 17 20 21					27c
d Add Line 27a total and line 27b total					27d
e Public support (line 27c total minus line 27d total)					27e
f Total support for section 509(a)(2) test: Enter amount from line 23, column (e)					27f
g Public support percentage (line 27e (numerator) divided by line 27f (denominator))					27g %
h Investment income percentage (line 18, column (e) (numerator) divided by line 27f (denominator))					27h %
28 Unusual Grants: For an organization described in line 10, 11 or 12 that received any unusual grants during 2000 through 2003, prepare a list for your records to show, for each year, the name of the contributor, the date and amount of the grant, and a brief description of the nature of the grant. Do not file this list with your return. Do not include these grants in line 15					

Part V Private School Questionnaire (See page 7 of the instructions.)
(To be completed **ONLY** by schools that checked the box on line 6 in Part IV)

	Yes	No
29 Does the organization have a racially nondiscriminatory policy toward students by statement in its charter, bylaws, other governing instrument, or in a resolution of its governing body?	29	
30 Does the organization include a statement of its racially nondiscriminatory policy toward students in all its brochures, catalogues, and other written communications with the public dealing with student admissions, programs, and scholarships?	30	
31 Has the organization publicized its racially nondiscriminatory policy through newspaper or broadcast media during the period of solicitation for students, or during the registration period if it has no solicitation program, in a way that makes the policy known to all parts of the general community it serves? If "Yes," please describe; if "No," please explain. (If you need more space, attach a separate statement.)	31	
32 Does the organization maintain the following:	32a	
a Records indicating the racial composition of the student body, faculty, and administrative staff?	32a	
b Records documenting that scholarships and other financial assistance are awarded on a racially nondiscriminatory basis?	32b	
c Copies of all catalogues, brochures, announcements, and other written communications to the public dealing with student admissions, programs, and scholarships?	32c	
d Copies of all material used by the organization or on its behalf to solicit contributions?	32d	
If you answered "No" to any of the above, please explain. (If you need more space, attach a separate statement)		
33 Does the organization discriminate by race in any way with respect to		
a Students' rights or privileges?	33a	
b Admissions policies?	33b	
c Employment of faculty or administrative staff?	33c	
d Scholarships or other financial assistance?	33d	
e Educational policies?	33e	
f Use of facilities?	33f	
g Athletic programs?	33g	
h Other extracurricular activities?	33h	
If you answered "Yes" to any of the above, please explain. (If you need more space, attach a separate statement)		
34a Does the organization receive any financial aid or assistance from a governmental agency?	34a	
b Has the organization's right to such aid ever been revoked or suspended? If you answered "Yes" to either 34a or b, please explain using an attached statement	34b	
35 Does the organization certify that it has complied with the applicable requirements of sections 4 01 through 4 05 of Rev. Proc. 75-50, 1975-2 C.B. 587, covering racial nondiscrimination? If "No," attach an explanation	35	

Part VI-A Lobbying Expenditures by Electing Public Charities (See page 9 of the instructions.)
(To be completed **ONLY** by an eligible organization that filed Form 5768)Check ☐ a ☐ if the organization belongs to an affiliated group. Check ☐ b ☐ if you checked "a" and "limited control" provisions apply**Limits on Lobbying Expenditures**

(The term "expenditures" means amounts paid or incurred.)

		(a) Affiliated group totals	(b) To be completed for ALL electing organizations
36	Total lobbying expenditures to influence public opinion (grassroots lobbying)	36	
37	Total lobbying expenditures to influence a legislative body (direct lobbying)	37	
38	Total lobbying expenditures (add lines 36 and 37)	38	
39	Other exempt purpose expenditures	39	
40	Total exempt purpose expenditures (add lines 38 and 39)	40	
41	Lobbying nontaxable amount. Enter the amount from the following table— <div style="display: flex; justify-content: space-between;"> <div> If the amount on line 40 is— Not over \$500,000 Over \$500,000 but not over \$1,000,000 Over \$1,000,000 but not over \$1,500,000 Over \$1,500,000 but not over \$17,000,000 Over \$17,000,000 </div> <div> The lobbying nontaxable amount is— 20% of the amount on line 40 \$100,000 plus 15% of the excess over \$500,000 \$175,000 plus 10% of the excess over \$1,000,000 \$225,000 plus 5% of the excess over \$1,500,000 \$1,000,000 </div> </div>	41	
42	Grassroots nontaxable amount (enter 25% of line 41)	42	
43	Subtract line 42 from line 36. Enter -0- if line 42 is more than line 36	43	
44	Subtract line 41 from line 38. Enter -0- if line 41 is more than line 38	44	

Caution: If there is an amount on either line 43 or line 44, you must file Form 4720

4-Year Averaging Period Under Section 501(h)(Some organizations that made a section 501(h) election do not have to complete all of the five columns below
See the instructions for lines 45 through 50 on page 11 of the instructions)

Calendar year (or fiscal year beginning in) ►	Lobbying Expenditures During 4-Year Averaging Period				
	(a) 2004	(b) 2003	(c) 2002	(d) 2001	(e) Total
45 Lobbying nontaxable amount					
46 Lobbying ceiling amount (150% of line 45(e))					
47 Total lobbying expenditures					
48 Grassroots nontaxable amount					
49 Grassroots ceiling amount (150% of line 48(e))					
50 Grassroots lobbying expenditures					

Part VI-B Lobbying Activity by Nonelecting Public Charities

(For reporting only by organizations that did not complete Part VI-A) (See page 11 of the instructions)

During the year, did the organization attempt to influence national, state or local legislation, including any attempt to influence public opinion on a legislative matter or referendum, through the use of

- a Volunteers
- b Paid staff or management (Include compensation in expenses reported on lines c through h.)
- c Media advertisements
- d Mailings to members, legislators, or the public
- e Publications, or published or broadcast statements
- f Grants to other organizations for lobbying purposes
- g Direct contact with legislators, their staffs, government officials, or a legislative body
- h Rallies demonstrations, seminars, conventions speeches lectures, or any other means
- i Total lobbying expenditures (Add lines c through h.)

Yes	No	Amount

If "Yes" to any of the above, also attach a statement giving a detailed description of the lobbying activities

Part VII Information Regarding Transfers To and Transactions and Relationships With Noncharitable Exempt Organizations (See page 11 of the instructions.)

51 Did the reporting 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?

	Yes	No
51a(i)		✓
a(ii)		✓
b(i)		✓
b(ii)		✓
b(iii)		✓
b(iv)		✓
b(v)		✓
b(vi)		✓
c		✓

a Transfers from the reporting organization to a noncharitable exempt organization of:

[illegible]

b Other transactions:

(ii) Sales or exchanges of assets with a noncharitable exempt organization

(ii) Purchases of assets from a noncharitable exempt organization

(iii) Rental of facilities, equipment, or other assets

(iv) Reimbursement arrangements

(v) Loans or loan guarantees

(vi) Performance of services or membership or fundraising solicitations

c Sharing of facilities, equipment, mailing lists, other assets, or paid employees

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 organization. If the organization 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]

52a Is the organization 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:

[illegible]

Statement 1**Form 990, Part I Line 10****Gross Profit (Loss) from Sales of Inventory**

Items Sold	Amount
Sale of Videotapes	\$ 196,537
Gross sales	\$ 196,537
Less returns & allowances	-
Net sales	\$ 196,537
Less: Cost of goods sold	31,036
Gross profit from sales of inventory	<u>\$ 165,501</u>

Statement 2**Form 990, Part II, Line 43****Other Expenses**

Other Expenses	(A) Total	(B) Program Services	(C) Management & General	(D) Fundraising
Bank charges	\$ 2,769		2,769	
Capital Expenditures	\$ 4,564		4,564	
Insurance	10,308		10,308	
Miscellaneous	1,731	1,731		
Outreach programs & materials	255,583	249,983		5,600
Royalties	24,478	24,478		
Total	<u>\$ 299,433</u>	<u>276,192</u>	<u>17,641</u>	<u>5,600</u>

Statement 3**Form 990, Part III****Organization's Primary Exempt Purpose**

Organized and operated exclusively for charitable, educational and scientific purposes, the current mission of the Foundation for Advancements in Science and Education is:

To research and report on technical innovations and public policy issues in the areas of education, the environment, technology and health, for the public benefit

To conduct programs, build partnerships and support efforts that seek to prepare students of all backgrounds for rewarding careers that utilize math, science and technology.

To produce and distribute high quality media products that enlighten and enrich audiences of all ages.

Statement 4**Form 990, Part IV, Line 65****Other Liabilities**

	Ending
Line of Credit	\$ 36,368
Total	<u>\$ 36,368</u>

Statement 5**Form 990, Part 1, Line 20****Other changes in net assets or fund balances:**

	Amount
Difference in rounding	\$ (1)

Statement 6**Form 990, Schedule A, Part III 2c****Furnishing of goods, services, or facilities:**

The Foundation entered into a licensing agreement with The Futures Channel, Inc (TFC) for distribution of its media and related products. TFC with its presence in digital media and staff development, enhances the distribution capability of the Foundation's educational products. The Foundation receives royalties and licensing fees for these products. The Foundation rented excess office space to TFC for part of the year. The two entities have two common board members, which constitutes a minority on both boards.

Statement 7**Form 990, Schedule A, Part III 2d****Reimbursement of expenses:**

The President of the Foundation was reimbursed \$9,096 for medical premiums not covered by the Foundation for the previous year. The reimbursement is based on his employment contract.

The VP was reimbursed \$3,818.81 in travel expenses charged to his personal credit card while on business travel for the Foundation.

Statement 4
 From 990, part III, line a
 Statement of Program Service Accomplishments

Description	Grants & Allocations	Program Service Expenses
<p>Environmental Health</p> <p>▪ New York Rescue Workers Detoxification Project</p> <p><i>Background</i></p> <p>As a result of more than two decades of work regarding the problem of chemical body burden, the Foundation has come to play a unique and vital role in the response to the September 11, 2001 attacks on the World Trade Center.</p> <p>As early as October 2001, FASE staff began to receive calls from rescue workers who were aware of the Foundation's work in the field of environmental exposures and detoxification. Environmental health specialists in other cities who were aware of the potential value of detoxification for rescue workers also began to contact FASE.</p> <p>FASE President Keith Miller and FASE Senior Associate David Root, MD were invited to come to New York by union representatives to discuss the role detoxification could play in alleviating the symptoms seen in rescue workers.</p> <p>A series of additional meetings in New York – with public health officials, rescue workers and physicians caring for the rescue workers – revealed that there were no programs in the city that directly addressed the problem of chemical body burden, and that both rescue workers and union officials felt that a detoxification facility should be established in Manhattan</p> <p>A project advisory board was established, including experts in the fields of environmental medicine, toxicology and public health, and the New York Rescue Workers Detoxification Project was launched by the International Academy of Detoxification Specialists (IADS).</p> <p>The IADS asked FASE President Keith Miller to direct the new project, and to coordinate the fundraising and establishment activities necessary to begin providing detoxification services. The first rescue workers began the program in September 2002, and as the advisory board had mandated, they received services at no cost.</p> <p>By the end of 2004, 382 persons had completed detoxification, with uniform – and often dramatic – improvements in quality of life and job fitness.</p>		<p>207,027</p>

More than three years after the attacks, the project remained the only initiative in New York that is addressing body accumulations of toxins. It is routinely achieving recoveries in cases that have not responded to other forms of treatment – men and women who have been unable to find relief from their symptoms for as long as four years are recovering after three or four weeks of the detoxification regimen.

Outcome Monitoring

From the initial stages of the project, FASE has assumed responsibility for research and evaluation efforts associated with the New York project, including routine outcome monitoring. To provide an overview of the symptoms commonly seen among rescue workers and the improvements in these symptoms following detoxification, the case folders of 286 program completions were reviewed in July 2004.

The following table presents a summary of improvements in symptoms commonly seen among rescue workers:

	<i>Resolved at discharge</i>	<i>Greatly improved at discharge</i>
Mental Health		
Poor concentration and attention span	84%	12%
Fatigue	82%	14%
Irritability	81%	13%
Impaired memory and mental acuity	78%	20%
Anxiety	88%	12%
Depression	86%	14%
Loss of sleep	80%	16%
Headaches	77%	22%
Lung and Airway		
Sinusitis	91%	9%
Cough	88%	12%
Breathing difficulties	63%	31%
Skin		
Rash or dryness	70%	24%
Musculoskeletal		
Joint pain	72%	16%
Muscle pain	79%	19%
Muscle weakness	87%	12%
Other		
Increased use of alcohol after 9-11	84%	14%
Eye irritation	78%	12%

Almost half of the 286 participants required medication at start of treatment with half of these on airway medications. Upon completion of detoxification, 86 % of these patients no longer required medication. (Note: Reduction or discontinuation of medication occurs only when medically appropriate and is done under physician supervision.)

Pollutants, especially PCBs and heavy metals, disrupt endocrine function, particularly the thyroid and adrenal glands. Effects include mood disorders, especially depression and anxiety, low energy, weight change, reproductive and skin problems, and altered cholesterol levels. Recent research indicates that thyroid effects may be exacerbated by exposures to multiple toxins. This has obvious relevance to the 9/11 exposures, which involved hundreds, if not thousands of chemicals.

Results of blood chemistry testing of the 286 participants show that approximately 30 percent of patients had abnormal levels of thyroid-related hormones at the start of treatment. By the end of treatment, 66% of these individuals had normal thyroid function with the remaining third improved.

In the course of developing protocol for a large-scale outcome study (details below), Foundation staff worked with researchers at the University of Albany at the State University of New York to develop an improved health and symptom survey and implemented in April 2005.

This instrument will also be the basis for an outcome monitoring database (with associated on-site software) that the Foundation is developing, as a resource for detoxification providers throughout the world – enabling them to both track outcomes with their own clients and to compare the symptoms and improvements seen locally with those at other facilities.

PCB Research

Polychlorinated biphenyls (PCBs) are among the most biologically persistent and hazardous chemicals released at the WTC. Over the last two decades, several FASE research projects have evaluated body burdens of this chemical, from early work published by the Royal Swedish Academy of Sciences to a series of papers regarding the detoxification of highly-exposed electrical workers in the former Yugoslavia.

Switching stations underneath the WTC contained thousands of gallons of transformer oil containing this carcinogenic electrical coolant. As part of a larger effort to identify a chemical that could serve as a “marker” of body burden of other toxins, pre-and post-detoxification blood samples were taken from six men who were present when the WTC towers collapsed.

Analysis of pre-treatment samples found elevated levels of the most toxic forms of PCB, those with dioxin-like structure and effects. While not at the extreme upper end of documented PCB levels, they were in the range of what would be expected among individuals occupationally exposed to PCBs on a continuous basis. Following detoxification, these levels were significantly reduced.

These findings of this research were presented by FASE Associate James Dahlgren at the 24th International Symposium on Halogenated Environmental Organic Pollutants and Persistent Organic Pollutants (POPs) — DIOXIN 2004 in Berlin, Germany on September 6-10.

City Council Hearings

Understandably, many New Yorkers experienced considerable mental and emotional distress as a result of the attacks on the WTC. Millions of dollars have been allocated and spent on post-9/11 mental health programs – yet none of these take into account the fact that many of the chemicals released by the attacks have toxic effects on the nervous system.

New York City Councilwoman Margarita Lopez, chair of the council's Mental Health Subcommittee, was aware of these connections, and had visited the Manhattan detoxification facility. There, she heard firsthand accounts from rescue workers regarding improvements in "mental health" symptoms as a result of detoxification.

As part of her commitment to ensuring that government does not forget New Yorkers who continue to feel the effects of the attacks, Ms. Lopez convened two hearings at New York's City Hall to determine what mental health programs had been implemented, what their services had included, and what results had been achieved.

In testimony submitted to the council, toxicologist William Meggs, MD, PhD, chief of the division of toxicology at the Brody School of Medicine, recalled how the misdiagnosis of toxic effects had worked against the recovery of Gulf War veterans:

"Like the rescue workers, the veterans were told that they were not ill, but were manifesting 'post traumatic stress.' After hundreds of millions of dollars of research regarding Gulf War illness, we know this is not the case. We now know that many of the hundreds of thousands of men and women who served in the Gulf suffered a toxic assault on their nervous system, respiratory system, gastrointestinal system, and other body systems."

Russian Research Conference

The Chernobyl disaster, which occurred in April 1986, resulted not only in the acute exposure of hundreds of thousands of people to radioactive particles, but also in a situation where a significant part of the population now lives permanently in radioactively contaminated territories.

The risk was intensified by the relatively high levels of environmental chemical contamination already existing in the region. Despite this, health care in the affected areas has aimed mainly at the medical examination of persons and the diagnosis of diseases. Some programs dealing with specific aspects of these problems have been suggested and implemented, with inconclusive results.

Beginning in 1991, Human Detoxification Services International (HDSI) began a series of pilot projects and studies regarding the use of the Hubbard program to improve the health of persons involved in the Chernobyl cleanup operations and as well residents of the affected areas. FASE Associates contributed to these efforts

Two major studies of the use of detoxification on Chernobyl-affected individuals were undertaken in 1991 ("Kaluga Men's Study") and in 1995 (Vasil (get the spelling from the presentation)). In 1996, a clinical trial was undertaken by the Medical Radiological Research Center of the Russian Academy of Medical Sciences (MRRC RAMS) in Obninsk, Russia, to evaluate the objective and subjective effects of the detoxification protocol on men living in Chernobyl affected zones. Their paper noted that detoxification appeared to revitalize the immune system. They also observed that the program "possesses a powerful psychotherapeutic potential" that was associated with significant improvement in the general health of the participant and resulted in increased physical and mental and physical endurance, activity level and resistance against stress. They presented their findings at a conference on post-emergency response to radiological incidents which was sponsored by the United States Environmental Protection Agency.

Most recently, researchers at MRRC and the Bryansk Clinical and Diagnostic Center evaluated the long-term differences between the health of Chernobyl-affected individuals who completed detoxification and those who had not received the protocol. A research team comprised of scores of physicians, technicians, nurses and others undertook an exhaustive data collection process comparing individuals who had completed the protocol with matched controls.

In November 2004, FASE staff traveled to England at the invitation of HDSI to attend a two-day conference at which the researchers presented the final report of their work.

Among other findings, this research yielded extensive medical evidence of the validity of earlier studies that had established the detoxification regimen to be safe and effective, and free of any negative health effects..

At a time when the potential for radioactive exposure events is heightened by the possibility, however remote, of the deployment of "dirty bombs" or attacks on nuclear reactors, this work is of vital importance to the public health community.

Details of the recoveries being accomplished in New York were presented to the group. As a result, the Russian researchers expressed a desire to collaborate on a paper comparing the symptoms and improvements of the Chernobyl workers to those of the New York rescue workers.

Uniformed Services Personnel: Treatment Interventions for Toxic Exposures

Recognizing the possibility of toxic exposures resulting from the use of chemical weapons by terrorists, the Centers for Disease Control and Prevention (CDC) has suggested that identification of symptoms associated with toxic chemical may be sufficient basis for diagnoses and treatment whether or not the exact chemical agent has been identified.

This philosophy of aggressive treatment opens the door to a new approach in response to all service-related exposures, one which acknowledges symptom

<p>patterns associated with increased body burden, including low level exposures.</p> <p>The remarkable post-detoxification recovery of an army pilot made ill by 9/11 toxins provided the impetus for a meeting of physicians, researchers and public health specialists who share an interest in service-related toxic exposures.</p> <p>When he arrived for detoxification in February 2004, Captain Sean Donahue had been ill continuously since September 16, 2001, and was on the way to discharge from the military. His Mount Sinai physician, with no remaining treatment option but a disabling regimen of full-body steroids, suggested he might want to try the Hubbard program.</p> <p>After three weeks of detoxification, he recovered "To say that they were amazed by the results is putting it mildly," he recalls. His caregivers at the Deployment Health Clinical Center (DHCC), a facility housed at Washington's Walter Reed Medical Center, were also impressed by his resurgence. Examinations they conducted before and after detoxification provided objective confirmation of Captain Donahue's rehabilitation.</p> <p>A delegation from DHCC requested a tour of the New York treatment facility, and FASE President Keith Miller saw an opportunity to facilitate a discussion between them and FASE Associates and project advisors familiar with both detoxification and service-related exposures.</p> <p>The group came together in New York in early October 2004 for "Uniformed Services Personnel: Treatment Interventions for Toxic Exposures," a one-day conference organized by FASE. A primary purpose for the meeting was to explore how the lessons learned in New York could inform a treatment research agenda for Gulf War illness and bring detoxification to more veterans.</p> <p>Throughout the day of scientific presentations and discussion, several themes emerged. The need for a new approach to large-scale exposure incidents was evident—Vietnam and Gulf War veterans, for example, have waited decades for exposure studies to be completed, with virtually no progress in identifying treatment options.</p> <p>It was also clear that the weight of evidence—both the 20-year history of detoxification studies and projects facilitated by FASE and the hundreds of recoveries achieved in New York—calls for aggressive investigation of the benefits of detoxification for those exposed to toxins on the battlefield.</p>		
<p>Pesticide Project</p> <p>Since 1990, the Foundation has been the primary public record source of detailed information on the export of banned and other hazardous pesticides from US ports. The project has focused on shipments of such products to ports</p>		<p>177,883</p>

in the developing world, where pesticide over-use, unsafe storage practices and lack of appropriate protective equipment greatly increase their risk.

This focus is consistent with the key themes of international efforts to improve pesticide safety. According to the British Journal of Industrial Medicine, while 80 percent of pesticide use occurs in developed countries, developing countries account for 99 percent of pesticide fatalities.

In the 1980s, growing awareness of pesticide misuse in the developing world -- in combination with the practice of "dumping" banned or hazardous products in these regions (the "circle of poison") and questionable marketing practices -- led to efforts at reform. Among these was the FAO's International Code of Conduct on the Use and Distribution of Pesticides, which raised issues later addressed in the Rotterdam Convention on Prior Informed Consent and the Stockholm Convention on Persistent Organic Pollutants.

By tracking the trade in compounds of concern to these agreements, the FASE project provides a unique window on progress toward the goal of ending a "double standard" of pesticide safety.

During 2004, export statistics for the years 2001 and 2002 were analyzed and incorporated into the database developed by the project.

Presentations

The first report from the project was presented at a conference convened at U.C. Berkeley by a group of national non-governmental organizations concerned with pesticide safety.

Data presented included an overview of exports by type and a preliminary analysis of the relationship between exports and the implementation of international agreements such as the Montreal Protocol, the Stockholm Convention and the Rotterdam Convention.

Also at this conference, the project director had an opportunity to meet with representatives of several organizations (the International Rivers Network, Enlaces America, the Sierra Club, Earth Justice, among others) working on migrant issues. The purpose of this meeting was to discuss the environmental issues related to migration from Latin America to the U.S.

This discussion had relevance to the project in two ways. First, migration from rural areas to cities and then to the U.S. has been influenced by changes in agricultural practice. The FASE project has had an ongoing interest in documenting this phenomenon. Related to this are questions regarding the influence of trade agreements on export and import, including a possible pressure to increase pesticide inputs in an effort to increase agricultural exports.

Data from the project was also presented at the first meeting of the Conference of the Parties to the Rotterdam Convention (COP1), convened in Geneva, Switzerland under the auspices of the United Nations Environment Programme. The project director presented current findings at side meeting for delegates, sharing a panel of international grassroots and labor organizations.

One of the primary challenges before COP1 was a decision regarding the addition of the chrysotile form of asbestos to the list of chemicals that fall under the regulatory system established by the Rotterdam Convention. The chemical met all criteria for inclusion, but was expected to be controversial because several States had large chrysotile manufacturing and export industries.

To provide background for this discussion, the project director mailed a recently published issue of the International Journal of Occupational and Environmental Health to each delegate. The issue contained a collection of papers synthesizing the current state of knowledge regarding health hazards associated with asbestos.

The project director was also contacted by a Reuters reporter interested in international environmental policy issues, who wanted help in developing a story that accurately represented the chrysotile issue. He provided a list of relevant intergovernmental agency staff and policy experts, and was interviewed for the piece – which ran during COP1.

Other Activities

Project data was included in "It's Legal but it Ain't Right: Harmful Consequences of Legal Industries," published by the University of Michigan Press. This collection of essays included a paper generated from a three-day meeting at the Pocantico center on the Rockefeller estate, a conference in which the project director was a participant.

In December, as a result of dialogue initiated earlier in the grant period, the project director was invited to attend a meeting of non-governmental groups in Seattle, Washington. The meeting included representatives of virtually every major environmental NGO, and a large number of local and regional grassroots groups. The purpose of the meeting was to discuss long-range goals for chemicals policy.

Two days of group discussions and breakout groups brought to light a wide range of possible projects and collaborations. In the time since the meeting, the project director has been active in an international policy working group. One of the first products from this group was the development of a briefing sheet for non-governmental groups on international policy initiatives (PIC, POPs, Basel Convention, etc) that have relevance to US chemicals policy

<p><i>Classroom materials</i></p> <p>To address general unawareness of the provisions (or even the existence) of international agreements to protect the environment, Foundation staff worked with the American Model UN Foundation (AMUN) to develop a classroom simulation that would raise student awareness of how governments work together to resolve environmental problems.</p> <p>After much discussion, it was decided that students would be asked to simulate a World Health Organization Meeting on DDT. This chemical, introduced into developed countries for malaria control but also used in agriculture, remains controversial after more than three decades. It offers rich possibilities for debate regarding issues ranging from environmental persistence to public health strategies.</p> <p>To facilitate the creation of the "background" materials, FASE staff worked with AMUN to determine 30 appropriate identities for the simulation and researched and collected a wide range of references for AMUN regarding current views of these identities regarding the need for DDT, recent findings of its use in agriculture, etc.</p> <p>The AMUN project is a first step by FASE toward the creation of additional classroom materials, incorporating environmental research and policy documents developed by groups that do not necessarily conduct outreach to educators. The impetus for this activity is to fill the need of classroom teachers in the subjects of biology, social sciences, environmental science, etc. for materials that can add interest and immediacy to their curriculum objectives.</p> <p>An additional objective of this work is the long-term goal of enabling future voters to better understand environmental issues – which rarely have "yes/no" solutions, but require the ability to consider interplay between environmental, health, economic and policy issue. It is unrealistic to expect this kind of thinking to result from media coverage of environmental issues, in which time and space limitations prevent detailed discussion of scientific or policy issues.</p>		
<p>The Kay Toliver Math Dictionary</p> <p>Under a grant from the Memton Fund, FASE Associate Kay Toliver continued her work on a dictionary of mathematics terms. Research conducted during the development of this project, initially conceived as a one-volume publication, indicated that it should be expanded to include two volumes – one for elementary school use and one for middle school use. It also became evident that to ensure effective implementation of the dictionary content, it would be necessary to provide some guidelines for its use</p>		<p>15,130</p>

<p>However, Ms. Toliver's effort to incorporate literacy and communications skills in mathematics instruction is only one aspect of her multi-faceted approach to her subject. To place the dictionary in context, she decided it would be best to cover the full range of strategies and techniques that enabled her to succeed with inner city students. This work was begun, and plans for publication are being developed.</p>		
<p>The National Math Trail</p> <p>Developed with funds from the Star Schools initiative of the US Department of Education, the National Math Trail remains a popular resource for teachers throughout the country. This web-based resource offers teachers and students a unique opportunity to combine technology and real-world mathematics. Participants create "math trails" – collections of problems based on math concepts at work in their community. They then create their own web pages to share this problems with other teachers and students around the country (and around the world) or submit the raw materials to the project, which builds the web pages for them.</p> <p>Hundreds of schools and departments of education have participated in the project, and maintain links to the project website.</p> <p>The following posting from a new teacher's weblog is typical of response to the project:</p> <p><i>"As a soon-to-be high school math teacher, I have long been concerned with students' attitudes about math. The majority of high school students don't like or even hate math. A big part of the problem is the lack of relevance that students see in mathematics. Probably the most common questions I will face is: "What does this have to do with the real world?" and "When will I ever use this?"</i></p> <p><i>"This is why I was so excited to find the National Math Trail. As its introduction states, the National Math Trail "is an opportunity for K-12 teachers and students to discover and share the math that exists in their own environments." Students explore their communities and create a math problem (or a series of math problems) that relate to what they find. While exploring the community, students choose their own routes, and then create books, websites, PowerPoint presentations (etc., etc.) that present both the trail and the problems they have created (including solutions). Photos, drawing, sound recordings, or videos are used to supplement the problem and provide the "real-world" applications that students are continuously asking about. Often included with the problems is a history of the buildings, businesses, or environments that they are based on. On the site, submissions are indexed according to grade level and math topic. For students and teachers that are technologically challenged, there is a Technology Tutorial that includes a template for the creation of web page submissions.</i></p> <p><i>"The National Math Trail is an excellent opportunity to bring the real-world into the</i></p>		1,945

<p><i>mathematics classroom. It combines language, history, and art into the study of math and can be adapted to all grade levels. Students who access other school's Math Trails can not only work on some student-created problems, but learn a little bit about another community and, perhaps, another culture. Ms. Toliver, a teacher involved in the project, finds that students "begin to have a feeling of ownership for their community, a sense of pride in the things around them." By stressing application and thinking skills, this math project allows students to develop their math skills and understand how they could use those skills. It results in creative and critical math students, instead of students that memorize enough to pass the class. This project benefits not only the students, but math teachers as well - it provides teachers with a new view of their students' understanding."</i></p> <p>As a part of the National Math Trail Initiative, in March 2004 FASE completed and delivered "Real World Mathematics," a course developed under a grant from the Satellite Educational Resources Consortium. "Real World Mathematics," helps teachers create and deliver lessons in which students see the real world connections of mathematics topics. Using a Power Point format, "Real World Mathematics" addresses the very real need of giving teachers the tools to engage their middle school students in learning mathematics concepts.</p> <p>Through a collection of presentations, videos and activities, teachers first learn about the real-world connections that make mathematics interesting. They are then are shown how to effectively incorporate these connections into their curriculum.</p> <p>To expand the use of this resource, the course will be posted at the National Math Trail website.</p>		
<p>FASE Productions</p> <p>With support from a series of grants from the US Department of Education, the National Science Foundation, the US Department of Commerce and corporate and private funders, the Foundation has developed more than 70 instructional video programs for classroom and staff development use.</p> <p>This work has received more than 150 awards, including three Peabody Awards – the highest honor in broadcasting</p> <p>These resources were produced to improve student performance in mathematics and science. Though their content varies, many share the goal of answering the most essential question regarding these subjects: "When am I ever going to <i>use</i> this?"</p> <p>FASE videos feature two of America's most renowned mathematics educators Jaime Escalante, whose legendary career was depicted in the film <i>Stand and</i></p>		<p>152,306</p>

<p><i>Deliver</i> and Kay Toliver, a Presidential, Disney, Essence and Kilby award winning teacher from New York City's East Harlem.</p> <p>Both of these educators share the belief that all students are "gifted" – and both have the classroom expertise to develop a love of learning in students that others have found "unteachable."</p> <p>FASE programs showcase the strategies and lessons that these master teachers have developed over decades in the classroom. They also include on-site interviews with hundreds of professionals who describe the ways that mathematics and science skills are essential to many of the most challenging, creative and rewarding careers.</p> <p>As part of its ongoing mandate to help teachers acquire and implement these materials, Foundation staff engaged in ongoing outreach to K-12 educators, university-based teacher trainers and mathematics consultants.</p> <p>As has been the case for nearly a decade, the Foundation received many requests from administrators and teacher trainers for the Peabody Award-winning special <i>Good Morning Miss Toliver</i>. Though originally produced for primetime broadcast during Back to School Week, this program has become one of America's most popular teacher training resources.</p>		
Total		554,291

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Page 2

- 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—Must File Original and One Copy.

Type or print	Name of Exempt Organization Foundation for Advancements in Science and Education	Employer identification number 96-3711811
	Number, street, and room or suite no. If a P.O. box, see instructions. 4801 Wilshire Blvd., Suite 215	For IRS use only
File by the extended due date for filing the return. See instructions.	City, town or post office, state, and ZIP code. For a foreign address, see instructions. Los Angeles, CA 90010	

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

- | | | |
|--|---|------------------------------------|
| <input checked="" type="checkbox"/> Form 990 | <input type="checkbox"/> Form 990-T (sec. 401(a) or 408(a) trust) | <input type="checkbox"/> Form 5227 |
| <input type="checkbox"/> Form 990-BL | <input type="checkbox"/> Form 990-T (trust other than above) | <input type="checkbox"/> Form 6069 |
| <input type="checkbox"/> Form 990-EZ | <input type="checkbox"/> Form 1041-A | <input type="checkbox"/> Form 8870 |
| <input type="checkbox"/> Form 990-PF | <input type="checkbox"/> Form 4720 | |

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

- The books are in the care of ☒ All Datarline
Telephone No. ☒ (323) 937-9911 #259 FAX No. ☒ (323) 937-7440
- 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 15 November 20 05
- 5 For calendar year 2004, or other tax year beginning _____, 20____, and ending _____, 20____
- 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 The information needed to prepare a complete and accurate return by the extended date of August 15, 2005 is not available.

39 AUG 18 2005 OGDEN UT	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. \$ _____
	8b 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. \$ _____
	Amount Due. Subtract line 8b from line 8a. Include your payment with this form, or, if required, deposit with EFTPS (Electronic Federal Tax Payment System). See instructions. \$ _____

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 [Signature]Title PresidentDate 08/12/05**Notice to Applicant—To Be Completed by the IRS**

- ☒ We have approved this application. Please attach this form to the organization's return.
- ☐ We have not approved this application. However, we have granted a 10-day grace period from the later of the date shown below or the due date of the organization's return (including any prior extensions). This grace period is considered to be a valid extension of time for elections otherwise required to be made on a timely return. Please attach this form to the organization's return.
- ☐ We have not approved this application. After considering the reasons stated in item 7, we cannot grant your request for an extension of time to file. We are not granting a 10-day grace period.
- ☐ We cannot consider this application because it was filed after the extended due date of the return for which an extension was requested.
- ☐ Other _____

Director _____

By: _____

Date _____

Alternate Mailing Address — Enter the address if you want the copy of this application for an additional 3-month extension returned to an address different than the one entered above.

Type or print	Name _____
	Number and street (include suite, room, or apt. no.) or a P.O. box number _____
	City or town, province or state, and country (including postal or ZIP code) _____

EXTENSION APPROVED
SEP 13 2005
FIELD DIRECTOR
SUBMISSION PROCESSING, OGDEN