Form **990**

Department of the Treasury
Internal Revenue Service

Return of Organization Exempt From Income Tax

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

Note: *The organization may have to use a copy of this return to satisfy state reporting requirements.*

OMB No. 1545-0047

1998

This Form is Open to Public Inspection

A For the 1998 calendar year, OR tax year period beginning 07/01, 1998, and ending 06/30, 19 99

B Check if:
- [ ] Change of address
- [ ] Initial return
- [ ] Final return
- [ ] Amended return (required also for State reporting)

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

C Name of organization: NATIONAL ALLIANCE FOR AUTISM RESEARCH, INC.

Number and street (or P.O. box if mail is not delivered to street address): RESEARCH PARK, 414 WALL STREET — Room/suite:

City or town, state or country, and ZIP+4: PRINCETON, NJ 08540

D Employer identification number: 04-3246763

E Telephone number: (609) 430-9160

F Check ▶ [ ] if exemption application is pending

G Type of organization —▶ [X] Exempt under section 501(c) (3) ◀ (insert number) OR ▶ [ ] section 4947(a)(1) nonexempt charitable trust

Note: *Section 501(c)(3) exempt organizations and 4947(a)(1) nonexempt charitable trusts MUST attach a completed Schedule A (Form 990).*

H(a) Is this a group return filed for affiliates? [ ] Yes [X] No

(b) If "Yes," enter the number of affiliates for which this return is filed: ▶

(c) Is this a separate return filed by an organization covered by a group ruling? [ ] Yes [X] No

I If either box in H is checked "Yes," enter four-digit group exemption number (GEN) ▶

J Accounting method: [ ] Cash [X] Accrual [ ] Other (specify) ▶

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 it received a Form 990 Package in the mail, it should file a return without financial data. **Some states require a complete return.**

Note: *Form 990-EZ may be used by organizations with gross receipts less than $100,000 and total assets less than $250,000 at end of year.*

Part I Revenue, Expenses, and Changes in Net Assets or Fund Balances (See Specific Instructions on page 13.)

Revenue	1 Contributions, gifts, grants, and similar amounts received:				
	a Direct public support	1a	1,066,936		
	b Indirect public support	1b			
	c Government contributions (grants)	1c	80,000		
	d **Total** (add lines 1a through 1c) (attach schedule of contributors) (cash $ 1,135,936 noncash $ 11,000) SEE STATEMENT #1			1d	1,146,936
	2 Program service revenue including government fees and contracts (from Part VII, line 93)			2	
	3 Membership dues and assessments			3	
	4 Interest on savings and temporary cash investments			4	
	5 Dividends and interest from securities			5	34,516
	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 sale of assets other than inventory SEE STATEMENT #2	(A) Securities		(B) Other
	54,050	8a	
b Less: cost or other basis and sales expenses	54,725	8b	
c Gain or (loss) (attach schedule)	(675)	8c	

	d Net gain or (loss) (combine line 8c, columns (A) and (B))			8d	(675)
	9 Special events and activities (attach schedule)				
	a Gross revenue (not including $ 87,250 of contributions reported on line 1a) SEE STATEMENT #3	9a	35,953		
	b Less: direct expenses other than fundraising expenses	9b	35,953		
	c Net income or (loss) from special events (subtract line 9b from line 9a)			9c	0
	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	3,617
	12 **Total revenue** (add lines 1d, 2, 3, 4, 5, 6c, 7, 8d, 9c, 10c, and 11)			12	1,184,394
Expenses	13 Program services (from line 44, column (B))			13	869,781
	14 Management and general (from line 44, column (C))			14	104,033
	15 Fundraising (from line 44, column (D))			15	112,205
	16 Payments to affiliates (attach schedule)			16	
	17 **Total expenses** (add lines 16 and 44, column (A))			17	1,086,019
Net Assets	18 Excess or (deficit) for the year (subtract line 17 from line 12)			18	98,375
	19 Net assets or fund balances at beginning of year (from line 73, column (A))			19	638,346
	20 Other changes in net assets or fund balances (attach explanation) UNREALIZED GAIN ON INVESTS			20	888
	21 Net assets or fund balances at end of year (combine lines 18, 19, and 20)			21	737,609

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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 Specific Instructions on page 17.)

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 $ 621,501 noncash $)		SEE STATEMENT #4			
	22	621,501	621,501		
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	118,239	50,053	47,730	20,456
26 Other salaries and wages	26	49,716	33,925	11,054	4,737
27 Pension plan contributions	27				
28 Other employee benefits	28				
29 Payroll taxes	29	13,036	6,519	4,562	1,955
30 Professional fundraising fees	30				
31 Accounting fees	31	10,295	3,448	3,503	3,344
32 Legal fees	32				
33 Supplies	33	7,131	1,783	3,922	1,426
34 Telephone	34	12,054	3,701	4,652	3,701
35 Postage and shipping	35	26,785	9,929	4,147	12,709
36 Occupancy	36	14,000	4,620	4,760	4,620
37 Equipment rental and maintenance	37	11,699	6,873	3,807	1,019
38 Printing and publications	38	34,568	16,671	1,667	16,230
39 Travel	39	19,003	3,239	1,909	13,855
40 Conferences, conventions, and meetings	40	15,840	15,048		792
41 Interest SEE STATEMENT #5	41				
42 Depreciation, depletion, etc. (attach schedule)	42	4,941	1,949	1,519	1,473
43 Other expenses (itemize): a SCI. ADVISORY BD.	43a	27,074	27,074		
b AUTISM TISSUE PROGRAM	43b	42,835	42,835		
c CONSULTING	43c	29,644	16,304	5,929	7,411
d MEALS & LODGING	43d	10,949	1,697	762	8,490
e SEE STATEMENT #6	43e	16,709	2,612	4,110	9,987
44 Total functional expenses (add lines 22 through 43) *Organizations completing columns (B) - (D), carry these totals to lines 13 - 15*	44	1,086,019	869,781	104,033	112,205

Reporting of Joint Costs. — Did you report in column (B) (Program services) any joint costs from a combined educational campaign and fundraising solicitation? ▶ [X] Yes [ ] No

If "Yes," enter (i) the aggregate amount of these joint costs $ 33,600 ; (ii) the amount allocated to Program services $ 23,520 ; (iii) the amount allocated to Management and general $ 0 ; and (iv) the amount allocated to Fundraising $ 10,080

Part III Statement of Program Service Accomplishments (See Specific Instructions on page 20.)

What is the organization's primary exempt purpose? ▶ STIMULATE AND ADVANCE MEDICAL RESEARCH INTO AUTISM

All organizations must describe their exempt purpose achievements in a clear and concise manner. State the number of clients served, publications issued, etc. Discuss achievements that are not measurable. (Section 501(c)(3) and (4) organizations and 4947(a)(1) nonexempt charitable trusts must also enter the amount of grants and allocations to others.)

	Program Service Expenses (Required for 501(c)(3) and (4) orgs., and 4947(a)(1) trusts; but optional for others.)
a SEE STATEMENT #7 (Grants and allocations $ 406,501)	455,456
b SEE STATEMENT #7 (Grants and allocations $ 215,000)	218,727
c SEE STATEMENT #7 (Grants and allocations $ 0)	83,472
d SEE STATEMENT #7 (Grants and allocations $ 0)	82,880
e Other program services (attach schedule) (Grants and allocations $ SEE STATEMENT #7)	29,246
f **Total of Program Service Expenses** (should equal line 44, column (B), Program services) ▶	869,781

Part IV **Balance Sheets** (See Specific Instructions on page 20.)

	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			6,487	45	30,850
	46 Savings and temporary cash investments			584,233	46	1,265,544
	47a Accounts receivable	47a				
	b Less: allowance for doubtful accounts	47b			47c	
	48a Pledges receivable	48a	276,000			
	b Less: allowance for doubtful accounts	48b	0	587,000	48c	276,000
	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			575	53	13,980
	54 Investments — securities (attach schedule)			638	54	0
	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	17,309			
	b Less: accumulated depreciation (attach schedule) SEE STATEMENT #5	57b	9,406	10,461	57c	7,903
	58 Other assets (describe ▶ SECURITY DEPOSITS)			2,250	58	2,250
	59 **Total assets** (add lines 45 through 58) (must equal line 74)			1,191,644	59	1,596,527
Liabilities	60 Accounts payable and accrued expenses			22,104	60	49,309
	61 Grants payable			531,194	61	809,609
	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 ▶)				65	
	66 **Total liabilities** (add lines 60 through 65)			553,298	66	858,918
Net Assets or Fund Balances	**Organizations that follow SFAS 117, check here** ▶ ☒ and complete lines 67 through 69 and lines 73 and 74.					
	67 Unrestricted			298,346	67	567,609
	68 Temporarily restricted			340,000	68	170,000
	69 Permanently restricted				69	
	Organizations that do not follow SFAS 117, check here ▶ ☐ 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 and column (B) must equal line 21)			638,346	73	737,609
	74 **Total liabilities and net assets / fund balances** (add lines 66 and 73)			1,191,644	74	1,596,527

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 Specific Instructions, page 22.)

a	Total revenue, gains, and other support per audited financial statements ▶	a	1,358,282
b	Amounts included on line a but not on line 12, Form 990:		
(1)	Net unrealized gains on investments $ 888		
(2)	Donated services and use of facilities $ 173,000		
(3)	Recoveries of prior year grants $		
(4)	Other (specify): $		
	Add amounts on lines (1) through (4) ▶	b	173,888
c	Line a minus line b ▶	c	1,184,394
d	Amounts included on line 12, Form 990 but not on line a:		
(1)	Investment expenses not included on line 6b, Form 990 $		
(2)	Other (specify): $		
	Add amounts on lines (1) and (2) ▶	d	
e	Total revenue per line 12, Form 990 (line c plus line d) ▶	e	1,184,394

Part IV-B **Reconciliation of Expenses per Audited Financial Statements with Expenses per Return**

a	Total expenses and losses per audited financial statements ▶	a	1,259,019
b	Amounts included on line a but not on line 17, Form 990:		
(1)	Donated services and use of facilities $ 173,000		
(2)	Prior year adjustments reported on line 20, Form 990 $		
(3)	Losses reported on line 20, Form 990 $		
(4)	Other (specify): $		
	Add amounts on lines (1) through (4) ▶	b	173,000
c	Line a minus line b ▶	c	1,086,019
d	Amounts included on line 17, Form 990 but not on line a:		
(1)	Investment expenses not included on line 6b, Form 990 $		
(2)	Other (specify): $		
	Add amounts on lines (1) and (2) ▶	d	
e	Total expenses per line 17, Form 990 (line c plus line d) ▶	e	1,086,019

Part V **List of Officers, Directors, Trustees, and Key Employees** (List each one even if not compensated; see Specific Instructions on page 22.)

(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
KAREN MARGULIS LONDON, ESQ. C/O NAAR, 414 WALL ST., PRINCETON, NJ 08540	PRESIDENT, TTEE PT	0	0	0
CLARENCE SCHUTT, PH.D. C/O NAAR, 414 WALL ST., PRINCETON, NJ 08540	EXEC VP, TTEE PT	0	0	0
ERIC LONDON, M.D. C/O NAAR, 414 WALL ST., PRINCETON, NJ 08540	VP-MED AFFAIRS, TTEE PT	0	0	0
MARK J. KRINSKY, CPA C/O NAAR, 414 WALL ST., PRINCETON, NJ 08540	TREASURER, TTEE PT	0	0	0
ERIC CUSHING C/O NAAR, 414 WALL ST., PRINCETON, NJ 08540	TRUSTEE PT	0	0	0
C.T. GORDON, M.D. C/O NAAR, 414 WALL ST., PRINCETON, NJ 08540	TRUSTEE PT	0	0	0
GARY DUBERSTEIN, ESQ. C/O NAAR, 414 WALL ST., PRINCETON, NJ 08540	TRUSTEE PT	0	0	0
W. DONALD GOUGH C/O NAAR, 414 WALL ST., PRINCETON, NJ 08540	TRUSTEE PT	0	0	0
SALLY PEDERSON C/O NAAR, 414 WALL ST., PRINCETON, NJ 08540	TRUSTEE PT	0	0	0
SEE STATEMENT #8				

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 Specific Instructions on page 22.

Part VI **Other Information** (See Specific Instructions on page 23.)

			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		X
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		X
78a	Did the organization have unrelated business gross income of $1,000 or more during the year covered by this return?	78a		X
b	If "Yes," has it filed a tax return on **Form 990-T** for this year?	78b	N/A	
79	Was there a liquidation, dissolution, termination, or substantial contraction during the year? If "Yes," attach a statement	79		X
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		X
b	If "Yes," enter the name of the organization ▶ _____ and check whether it is ☐ exempt **OR** ☐ nonexempt.			
81a	Enter the amount of political expenditures, direct or indirect, as described in the instructions for line 81 — 81a: NONE			
b	Did the organization file **Form 1120-POL** for this year?	81b		X
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	X	
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 for reporting in Part III.) — 82b: 184,000			
83a	Did the organization comply with the public inspection requirements for returns and exemption applications?	83a	X	
b	Did the organization comply with the disclosure requirements relating to quid pro quo contributions?	83b	X	
84a	Did the organization solicit any contributions or gifts that were not tax deductible?	84a		X
b	If "Yes," did the organization include with every solicitation an express statement that such contributions or gifts were not tax deductible?	84b	N/A	
85	*501(c)(4), (5), or (6) organizations.* — a Were substantially all dues nondeductible by members?	85a	N/A	
b	Did the organization make only in-house lobbying expenditures of $2,000 or less?	85b	N/A	
	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.			
c	Dues, assessments, and similar amounts from members — 85c: N/A			
d	Section 162(e) lobbying and political expenditures — 85d: N/A			
e	Aggregate nondeductible amount of section 6033(e)(1)(A) dues notices — 85e: N/A			
f	Taxable amount of lobbying and political expenditures (line 85d less 85e) — 85f: 0			
g	Does the organization elect to pay the section 6033(e) tax on the amount in 85f?	85g	N/A	
h	If section 6033(e)(1)(A) dues notices were sent, does the organization agree to add the amount in 85f to its reasonable estimate of dues allocable to nondeductible lobbying and political expenditures for the following tax year?	85h	N/A	
86	*501(c)(7) organizations.* — Enter: a Initiation fees and capital contributions included on line 12 — 86a: N/A			
b	Gross receipts, included on line 12, for public use of club facilities — 86b: N/A			
87	*501(c)(12) organizations.* — Enter: a Gross income from members or shareholders — 87a: N/A			
b	Gross income from other sources. (Do not net amounts due or paid to other sources against amounts due or received from them.) — 87b: N/A			
88	At any time during the year, did the organization own a 50% or greater interest in a taxable corporation or partnership? If "Yes," complete Part IX	88		X
89a	*501(c)(3) organizations.* — Enter: Amount of tax imposed on the organization during the year under: section 4911 ▶ 0; section 4912 ▶ 0; section 4955 ▶ 0			
b	*501(c)(3) and 501(c)(4) organizations.* — Did the organization engage in any section 4958 excess benefit transaction during the year? If "Yes," attach a statement explaining each transaction	89b		X
c	Enter: Amount of tax imposed on the organization managers or disqualified persons during the year under sections 4912, 4955, and 4958 ▶ 0			
d	Enter: Amount of tax in 89c, above, reimbursed by the organization ▶ 0			

90a List the states with which a copy of this return is filed ▶ TO BE PROVIDED UPON REQUEST

b Number of employees employed in the pay period that includes March 12, 1998 (See instructions.) — 90b: 3

91 The books are in care of ▶ THOMAS M. STANBACK, DIR. OF OPERATIONS Telephone no. ▶ (609) 430-9160

Located at ▶ 414 WALL STREET, RESEARCH PARK, PRINCETON, NJ ZIP + 4 ▶ 08540

92 *Section 4947(a)(1) nonexempt charitable trusts filing Form 990 in lieu of* ***Form 1041*** — Check here ▶ ☐

and enter the amount of tax-exempt interest received or accrued during the tax year ▶ 92: N/A

Form 990 (1998)

Part VII Analysis of Income-Producing Activities (See Specific Instructions on page 27.)

Enter gross amounts unless otherwise indicated.	Unrelated business income (A) Business code	(B) Amount	Excluded by section 512, 513, or 514 (C) Exclusion code	(D) Amount	(E) Related or exempt function income
93 Program service revenue:					
a					
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	34,516	
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			18	(675)	
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					
103 Other revenue: a OTHER REVENUE			01	3,617	
b					
c					
d					
e					
104 Subtotal (add columns (B), (D), and (E))				37,458	
105 **Total** (add line 104, columns (B), (D), and (E)) ▶					37,458

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 Specific Instructions on page 28.)

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).

Part IX Information Regarding Taxable Subsidiaries (Complete this Part if the "Yes" box on line 88 is checked.)

Name, address, and employer identification number of corporation or partnership	Percentage of ownership interest	Nature of business activities	Total income	End-of-year assets
	%			
	%			
	%			
	%			

[redacted], including accompanying schedules and statements, and to the best of my knowledge [redacted] (other than officer) is based on all information of which preparer has any knowledge. (See

EB 1 0 2000 ▶ MARK J. KRINSKY
TREASURER
Date | Type or print name and title.

Date	Check if	Preparer's SSN

SCHEDULE A (Form 990)

Department of the Treasury
Internal Revenue Service

Organization Exempt Under Section 501(c)(3)

(Except Private Foundation) and Section 501(e), 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

1998

Name of the organization: NATIONAL ALLIANCE FOR AUTISM RESEARCH, INC.

Employer identification number: 04-3246763

Part I **Compensation of the Five Highest Paid Employees Other Than Officers, Directors, and Trustees**
(See instructions on page 1. 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
Total number of other employees paid over $50,000 ▶	NONE			

Part II **Compensation of the Five Highest Paid Independent Contractors for Professional Services**
(See instructions on page 1. 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
Total number of others receiving over $50,000 for professional services ▶	NONE	

For Paperwork Reduction Act Notice, see page 1 of the Instructions for Form 990 and Form 990-EZ.

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Part III Statements About Activities

			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?	1	X	
	If "Yes," enter the total expenses paid or incurred in connection with the lobbying activities ▶ $ 13,355			
	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 of its 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:			
a	Sale, exchange, or leasing of property?	2a		X
b	Lending of money or other extension of credit?	2b		X
c	Furnishing of goods, services, or facilities?	2c		X
d	Payment of compensation (or payment or reimbursement of expenses if more than $1,000)? SEE STATEMENT #9.	2d	X	
e	Transfer of any part of its income or assets? If the answer to any question is "Yes," attach a detailed statement explaining the transactions.	2e		X
3	Does the organization make grants for scholarships, fellowships, student loans, etc.?	3		X
4a	Do you have a section 403(b) annuity plan for your employees?	4a		X
b	Attach a statement to explain how the organization determines that individuals or organizations receiving grants or loans from it in furtherance of its charitable programs qualify to receive payments. (See instructions on page 2.) SEE STATEMENT #10			

Part IV Reason for Non-Private Foundation Status (See instructions on pages 2 through 4.)

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, page 4.)

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 33⅓%** 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 33⅓%** 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 instructions on page 4.)

(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 instructions on page 4.)

Schedule A (Form 990) 1998

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) 1997	(b) 1996	(c) 1995	(d) 1994	(e) Total
15 Gifts, grants, and contributions received. (Do not include unusual grants. See line 28.)	736,972	268,916	90,474	11,945	1,108,307
16 Membership fees received					
17 Gross receipts from admissions, merchandise sold or services performed, or furnishing of facilities in any activity that is not a business unrelated to the organization's charitable, etc., purpose		13,840	4,813		18,653
18 Gross income from interest, dividends, amounts received from payments on securities loans (section 512(a)(5)), rents, royalties, and unrelated business taxable income (less section 511 taxes) from businesses acquired by the organization after June 30, 1975	18,385	8,404	817		27,606
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	755,357	291,160	96,104	11,945	1,154,566
24 Line 23 minus line 17	755,357	277,320	91,291	11,945	1,135,913
25 Enter 1% of line 23	7,554	2,912	961	119	

26 **Organizations described on lines 10 or 11:** a Enter 2% of amount in column (e), line 24 ▶ **26a** 22,718

b Attach a list (which is not open to public inspection) showing the name of and amount contributed by each person (other than a governmental unit or publicly supported organization) whose total gifts for 1994 through 1997 exceeded the amount shown in line 26a. Enter the sum of all these excess amounts . SEE STATEMENT #11 ▶ **26b** 294,283

c Total support for section 509(a)(1) test: Enter line 24, column (e) ▶ **26c** 1,135,913

d Add: Amounts from column (e) for lines: 18 27,606 19 _____ 22 _____ 26b 294,283 ▶ **26d** 321,889

e Public support (line 26c minus line 26d total) ▶ **26e** 814,024

f **Public support percentage (line 26e (numerator) divided by line 26c (denominator))** ▶ **26f** 71.66 %

27 **Organizations described on line 12:** a For amounts included in lines 15, 16, and 17 that were received from a "disqualified person," attach a list to show the name of, and total amounts received in each year from, each "disqualified person." Enter the sum of such amounts for each year:

(1997) _____ (1996) _____ (1995) _____ (1994) _____

b For any amount included in line 17 that was received from a nondisqualified person, attach a list 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.) 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:

(1997) _____ (1996) _____ (1995) _____ (1994) _____

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 on 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 1994 through 1997, attach a list (which is not open to public inspection) for each year showing the name of the contributor, the date and amount of the grant, and a brief description of the nature of the grant. Do not include these grants in line 15. (See instructions on page 4.)

Part V **Private School Questionnaire** (See instructions on page 4.) **(To be completed ONLY by schools that checked the box on line 6 in Part IV)** NOT APPLICABLE

		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?	31		
If "Yes," please describe; if "No," please explain. (If you need more space, attach a separate statement.)			
32 Does the organization maintain the following:			
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?	34b		
If you answered "Yes" to either 34a or b, please explain using an attached statement.			
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 instructions on page 6.) (To be completed **ONLY** by an eligible organization that filed Form 5768) NOT APPLICABLE

Check here ▶ a ☐ if the organization belongs to an affiliated group.

Check here ▶ b ☐ if you checked "a" above 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 —			
If the amount on line 40 is — / **The lobbying nontaxable amount is —**			
Not over $500,000 — 20% of the amount on line 40			
Over $500,000 but not over $1,000,000 — $100,000 plus 15% of the excess over $500,000			
Over $1,000,000 but not over $1,500,000 — $175,000 plus 10% of the excess over $1,000,000	41		
Over $1,500,000 but not over $17,000,000 — $225,000 plus 5% of the excess over $1,500,000			
Over $17,000,000 — $1,000,000			
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 7.)

	Lobbying Expenditures During 4-Year Averaging Period				
Calendar year (or fiscal year beginning in) ▶	(a) 1998	(b) 1997	(c) 1996	(d) 1995	(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 instructions on page 8.)

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:	Yes	No	Amount
a Volunteers	X		
b Paid staff or management (Include compensation in expenses reported on lines c through h.)	X		
c Media advertisements		X	
d Mailings to members, legislators, or the public	X		5,670
e Publications, or published or broadcast statements	X		910
f Grants to other organizations for lobbying purposes		X	
g Direct contact with legislators, their staffs, government officials, or a legislative body	X		5,775
h Rallies, demonstrations, seminars, conventions, speeches, lectures, or any other means	X		1,000
i Total lobbying expenditures (add lines c through h)			13,355

If "Yes" to any of the above, also attach a statement giving a detailed description of the lobbying activities. SEE STATEMENT #12

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

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
a Transfers from the reporting organization to a noncharitable exempt organization of:			
(i) Cash	51a(i)		X
(ii) Other assets	a(ii)		X
b Other transactions:			
(i) Sales of assets to a noncharitable exempt organization	b(i)		X
(ii) Purchases of assets from a noncharitable exempt organization	b(ii)		X
(iii) Rental of facilities or equipment	b(iii)		X
(iv) Reimbursement arrangements	b(iv)		X
(v) Loans or loan guarantees	b(v)		X
(vi) Performance of services or membership or fundraising solicitations	b(vi)		X
c Sharing of facilities, equipment, mailing lists, other assets, or paid employees	c		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 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:

(a) Line no.	(b) Amount involved	(c) Name of noncharitable exempt organization	(d) Description of transfers, transactions, and sharing arrangements

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:

(a) Name of organization	(b) Type of organization	(c) Description of relationship

NATIONAL ALLIANCE FOR AUTISM RESEARCH
Form 990, Part I, Line 8c -- Gain or Loss on Sale of Securities
Fiscal year ending June 30, 1999

ID #04-3246763
Statement #2

DESCRIPTION	DATE ACQ.	DATE SOLD	PROCEEDS	BASIS	GAIN (LOSS)
100 SH PROCOMM CORP	12/16/97	01/08/99	969	1,525	(556)
90 SH CHUBB CORP	12/03/98	12/08/98	6,570	6,483	87
10 SH GTE CORP	12/18/98	12/24/98	689	673	16
100 SH YAHOO	12/28/98	12/28/98	26,944	26,800	144
100 SH PROCOMM CORP	12/28/98	01/08/99	969	1,063	(94)
50 SH PROCOMM CORP	12/28/98	01/08/99	484	531	(47)
200 SH CABLEVISION	05/12/99	05/18/99	17,425	17,650	(225)
			54,050	54,725	(675)

NATIONAL ALLIANCE FOR AUTISM RESEARCH
Form 990, Part I, Line 9 -- Net Income (Loss) from Special Events
Fiscal year ending June 30, 1999

ID #04-3246763
Statement #3

DESCRIPTION	GROSS RECEIPTS	CONTRIBS.	GROSS REVENUE	DIRECT EXPENSES	NET INCOME
"AN EVENING WITH SAINTS AND ANGELS," NEW ORLEANS, LA, 11/21/98	112,428	79,471	32,957	32,957	0
JOE MANTEGNA HONOREE EVENT, CHICAGO, IL, 05/04/99	10,775	7,779	2,996	2,996	0
	123,203	87,250	35,953	35,953	0

NATIONAL ALLIANCE FOR AUTISM RESEARCH
Form 990, Part II, Line 22 – Grants & Allocations
Fiscal year ending June 30, 1999

ID #04-3246763
Statement #4

The NAAR Autism Fellowship Award Recipients are:

Christopher J. Stodgell, Ph.D.
University of Rochester School of Medicine & Dentistry
Rochester, New York
Description: As recipient of the NAAR/Roland D. Ciaranello, M.D. Fellowship in Basic Research, Dr. Stodgell will conduct research focusing on genetic and environmental etiologies of autism. His mentor and sponsor for this fellowship is Dr. Patricia Rodier.
Fellowship amount: $50,000 (year 1 of 2)

Charles N. Cartwright, M.D.
Seaver Center for Autism Research and Treatment
Mount Sinai School of Medicine
New York, New York
Description: As a recipient of the NAAR/Bristol-Myers Squibb Fellowship in Autism and Neuropharmacology, Dr. Cartwright will conduct research involving neuropharmacology as well as neuroimaging, molecular genetics and immunology. His sponsor and mentor for this fellowship is Dr. Eric Hollander.
Fellowship amount: $105,000 (2 years)

Wayne L. Strauss, Ph.D., M.D
University of Washington
Seattle, Washington
Description: As a recipient of the NAAR/Bristol-Myers Squibb Fellowship in Autism and Neuropharmacology, Dr. Strauss will conduct research focusing on the relationship of brain concentration of fluorinated serotonin selective reuptake inhibitors to clinical response using fluorine magnetic resonance spectroscopy. His mentors and sponsors for this fellowship are Dr. Stephen R. Dager in neuroimaging and Dr. Geraldine Dawson in clinical autism.
Fellowship amount: $60,000 (1 year)

The NAAR Autism Research Award Recipients are:

Pavel Belichenko, M.D., Ph.D.
Senior Researcher, Laboratory of Neuronal Structure
Brain Research Institute, Russian Academy of Medical Sciences
Moscow, Russia
Title: "The Role of the Brain-directed Autoimmune Reaction in the Pathogenesis of Infantile Autism in Children and Young Adults"
Description: There have been several studies showing increased levels of autoantibodies in autism. The research up until now has been limited to studying the levels of these autoantibodies in the blood. This project proposes to study antibodies to NGF (nerve growth factor) both in the blood and within brain tissue. Work already done by Dr. Belichenko's group has found increased levels of this antibody in autistic subjects. Along with correlating this finding with the clinical status of the subjects, this group will also study both rat and human tissue response to these autoantibodies (which will be taken from autistic subjects). As NGF plays an important role in the growth and differentiation of the brain during prenatal as well as postnatal life, the group will look for direct evidence that this phenomenon could cause some of the fundamental damage which causes autism. This research could lead to advances in clinical diagnosis as well as directions for treatment.
Award Amount: $30,000 (1 year)
NAAR Research Partner: Solving the Mystery of Autism Foundation, Inc.

David R. Cool, Ph.D.
Assistant Professor
Wright State University
Dayton, Ohio
Title: "Neuro-Endocrine Peptide Hormones Are Implicated in Social Behavior Development: Oxytocin Involvement in Autism"
Description: Mariana Morris, Ph.D. and William Klykylo, M.D. are co-investigators. Oxytocin is a brain peptide hormone that is involved in social and affiliative behavior and maternal-infant bonding. Preliminary data show a decreased level of oxytocin, as well as improperly formed oxytocin, in the blood of autistic children, suggesting a defect in the oxytocin secretory pathway. This project will focus on whether a change in the levels of oxytocin caused by this pathway defect could be involved with or cause some forms of autism. To establish what the pathway defect is, the investigators will use biochemical techniques to isolate and identify different forms of oxytocin in the blood of autistic children. They will also use molecular techniques to assay the genomic DNA from this blood for defects in the enzyme and in oxytocin components of the secretory pathway. The results of this research should help answer questions about the defect causing decreased oxytocin levels, which may lead to a better understanding of the underlying biochemical and molecular bases of autism.
Award amount: $30,000 (year 1 of 2)
NAAR Research Partner: Autism Society of Cincinnati

Guinevere Eden, D.Phil.
Assistant Professor
Institute for Cognitive and Computational Sciences
Georgetown University
Washington, D.C.

Title: "Functional Neuroanatomy of Reading in Hyperlexic Children Studied with Functional Magnetic Resonance Imaging"
Description: Dr Eden, an expert in visual learning and dyslexia, will use functional scanning techniques to study how the brain processes written information in a subgroup of autistic individuals. She is going to study a group of autistic children who are hyperlexic (i.e. their word-reading skills are disproportionately advanced in comparison to their ability to understand verbal language) as well as a group of hyperlexic non-autistic children and compare them to matched controls. She hypothesizes that the neuronal mechanisms of reading will be different in the hyperlexic groups. This may lead to new understandings about the potential of at least a subgroup of autistic children and may contribute to novel treatment approaches.
Award Amount: $30,000 (year 1 of 2)

Robert Holson, Ph.D.
Assistant Professor
New Mexico Tech
Socorro, New Mexico
Title: "Gestational Retinoic Acid Exposure: An Animal Model of Autism"
Description: This project will examine the neuroanatomical and behavioral abnormalities that result from retinoic acid exposure during brief periods in rat gestation. Retinoic acid is a substance which regulates the HOX genes, which are extremely important for early brain development and which have been suggested as candidate genes for causing autism. The investigator believes that these abnormalities and their possible relationship to human autism are of sufficient importance to merit closer evaluation as an animal model. For example, rats exposed gestationally to retinoids have abnormalities in the cerebellar system, and evidence suggests abnormalities in the dopamine system and in the patterning of brainstem development. To study the relationship between the brain and behavioral deficits, the research will focus on specific anatomical abnormalities in the cerebellum, brainstem, and forebrain dopamine system and will initiate intensive behavioral analyses of social interactions. If the project is successful, the model could serve as a useful tool for developing our understanding of the role of environmental influences in causing autism or for the development of animal models in species with more elaborate behavioral repertoires.
Award amount: $30,000 (1 year)

Flavio Keller, M.D.
Professor
Libera Universita, Campus Bio-Medico
Rome, Italy
Title: "Characterization of the Serotonin Blood Levels and of the Serotonin Uptake Stimulating Peptides in Plasma of Normal Subjects and Autistic Patients"
Description: Antonio M. Persico, M.D., Luciana Mosca, Ph.D., and Maria Eugenia Schinin, M.Sc., are co-investigators. This project will study the role of serotonin-dependent neural transmission in the pathogenesis of autism. Although serotonin blood levels have been reported to be elevated in some autistic individuals, the mechanism underlying this finding is unclear. Peptiduria (abnormal protein fragments found in the urine) has been reported in autism as early as 1981. This finding has led many parents to alter the diets of their children by excluding wheat and dairy products. Recently, serotonin-stimulating peptides have been isolated from pooled urine of autistic subjects. One compound, a so-called tripeptide, was of special interest: When injected into rats, it caused an increase in serotonin levels. It is hypothesized that this tripeptide may belong to a novel class of physiological regulators of serotonin transport, which may be overproduced in autistic children. The proposed study will look for the tripeptide in normal and autistic subjects and will correlate the plasma levels of this compound with serotonin blood levels in autistic patients and their first-degree relatives. Positive results could lead to techniques for the early diagnosis of and novel interventions for some subgroups of patients with or at risk for autism, or perhaps provide a lead in the search for candidate genes.
Award amount: $19,492 (1 year)

Anne Messer, Ph.D.
Director, Neurogenetics Laboratory
Wadsworth Center, New York State Department of Health
Albany, New York
Title: "Manipulating the Differentiation and Survival of Cerebellar Purkinje Cells" (continuation grant)
Description: This project will seek to further define the neurobiological bases of autistic spectrum disorders. The long term goal of this research is to manipulate the differentiation and survival of cerebellar Purkinje cells (and possibly other large neurons) and to understand the genetic mechanisms controlling these cells. The immediate goal is to generate pilot data on the use of gene therapy to correct genetically defective cells in mutant mouse brains. Defects in the development of certain cells (Purkinje cells) in the cerebellum have been strongly implicated as a contributing factor to abnormal brain function in autism. If such defects are proven to be involved, then it will be critical to develop genetic technologies to correct the problem. During the first year of this NAAR-funded study, the investigator was successful in developing a technique that may be used to transfer a gene crucial for normal Purkinje cell development into an animal with abnormal cerebellar development. In the continuation study, the technique will be tested to evaluate the immediate effects (anatomical and molecular) of correcting the known mutant gene within individual cells in a mouse model of a cerebellar disease.
Award amount: $29,920 (1 year)
NAAR Research Partner: Madeline and Arthur Millman on behalf of the Autism Society of America Foundation

Judith Miles, M.D., Ph.D.
Professor, Child Health and Director, Division of Medical Genetics
University of Missouri Health Science Center
Columbia, Missouri
Title: "Identification of Dysmorphology Based Autism Groups"
Description: Dr. Miles in her previous work has been able to identify what may be a subgroup of autism based on abnormal features found in the faces and bodies of the children. The significance of this is that this group appears to have a different clinical pattern which is relevent to understanding the genetics of the disease. The dysmorphic group has a much lower recurrence rate in siblings (3% vs. 13% in the non-dysmorphic group), a different sex ratio (2:1 vs. 7:1), and a lower rate of regression at the onset of the illness (12% vs. 41%). Because of the potential importance of this finding, this project will seek to reproduce the findings on a new group of subjects drawn from the University of Missouri and the University of California at Irvine. In addition, the subjects will be independently verified by four collaborators who are experts in dysmorphology.
Award Amount: $30,000 (year 1 of 2)

Timothy P. L. Roberts, Ph.D.
Assistant Professor
University of California, San Francisco
San Francisco, California
Title: "Cortical Processing of Complex Sounds: Implications for Language Impairment in the Autistic Brain"
Description: Howard A. Rowley, M.D., is co-investigator. This project will investigate brain mechanisms related to language processing in autistic individuals. A novel form of functional neuroimaging, magnetoencephalography (MEG), will be used to precisely track the timing, location, and morphologic features of brain evoked responses in autistic individuals and controls. The stimuli presented will be designed to elucidate the functional-anatomic brain pathways related to the complexities of language: hearing, sound recognition/distinction, acoustics, and, finally, linguistic content/phonetics. It is hypothesized that individuals with autism will show disturbed or absent responses at a specific level of neural processing, leading to their characteristic clinical impairment. The results will further understanding of the brain mechanisms related to autism and may provide an objective tool for diagnosing autism, evaluating progress in treatment, and guiding the design and development of future clinical trials.
Award amount: $28,926 (year 1 of 2)
NAAR Research Partner: Children's Benefit Fund (Toys R Us Corporation)

Donald C. Rojas, Ph.D.
Assistant Professor of Psychiatry
University of Colorado Health Services Center
Denver, Colorado
Title: "Anatomical and Functional Development of the Auditory Cortex in Children With Autism"
Description: This project will use a novel technological approach, magnetoencephalography (MEG), to study autism. MEG is a non-invasive imaging technique that has spatial resolution advantages when compared to the traditional electroencephalographic methods, especially with respect to auditory functions. Behavioral abnormalities, including overresponsiveness, or hypersensitivity, to sensory input such as touch and sound, are often reported in autism and related developmental disorders. Very few studies, however, have examined the physiological and anatomical bases of these abnormalities. The proposed study will address this oversight. MEG will allow the investigators to visualize the electrical activity of the brain as it processes sensory stimuli. If there are abnormal brain responses to sound, it should be possible to specify the exact place in the brain where the problem lies. MEG brain images, which provide functional information, will be overlaid onto magnetic resonance images, which provide structural information, to provide detailed anatomical and functional pictures of the brains of autistic children as they respond to a variety of sounds.
Award amount: $28,302 (year 1 of 2)
NAAR Research Patron: New Orleans Friends of NAAR

Gleb P. Shumyatsky, Ph.D.
Post-Doctoral Research Scientist
Columbia University
New York, New York
Title: "A Genetic Analysis of the Role of the Amygdala in Autistic Behavior Using Genetically Modified Mice"
Description: On the basis of animal and human studies, the investigator hypothesizes that alteration in the function of the amygdala, a limbic structure, underlies a variety of autistic behaviors. This project proposes to generate and study genetically modified mouse lines that may serve as an animal model for some of the behavioral abnormalities found in autistic individuals. The research will focus on a gene coding for gastrin-releasing peptide, GRP (a brain-gut peptide), that has been identified in the amygdala and on its receptor, GRPR. Interestingly, a mutation within the receptor gene has recently been reported in an individual with autism. Using GRP- and GRPR-modified mice, social behavior, learning and synaptic plasticity will be examined. The neuronal pathways which will be studied include one which is responsible for transmitting processed auditory information. It is hoped that the animal model will generate testable hypotheses about the role that abnormal genetic mechanisms and neuronal circuits in the amygdala play in the development of autism.
Award amount: $29,941 (year 1 of 2)
NAAR Research Patron: The Mellanby Family/Autism Society of Broward County

Moyra Smith, M.D., Ph.D.
Professor
University of California, Irvine
Irvine, California
Title: "Analysis of Chromosome 15q22 Deletion Associated With Autism and Immune Deficiency"
Description: This project will focus on a patient who meets the diagnostic criteria for autism and who also has evidence of an immune deficiency. The investigator previously demonstrated a specific genetic abnormality (microdeletion of chromosome 15q22) in the patient using molecular techniques. (The molecular probe used is a probe for a gene referred to as PML, which has recently been shown to play an important role in the immune response.) The deletion could not be demonstrated on routine analysis of chromosomes, and molecular techniques failed to demonstrate this deletion in the patient's normal parents. This finding may have relevance for other individuals with autism since there are reports in the literature of immune deficiency in a subgroup of autistic individuals. It is hypothesized that the gene or genes that are deleted from chromosome 15 in the subject patient contribute to the development of autism, and it is important that the nature of this abnormality be specified. Further investigations will focus on searching for the same genetic deletions in other autistic individuals to determine whether such abnormalities contribute to the development of autism.
Award amount: $30,000 (1 year)

Karen M. Weidenheim, M.D.
Associate Professor
Albert Einstein College of Medicine
Bronx, New York
Title: "Role of Connectivity in Autism"
Description: Isabelle Rapin, M.D., and Peter Davies, Ph.D., are co-investigators. This project will focus on possible structural abnormalities in the brains of autistic individuals. A recent study undertaken by two of these researchers of donated brain tissue from two autistic individuals suggests that the connections (synapses) between the neurons of the brain are abnormal in many

different sites, including the limbic system and brainstem, and that there is sparse, but diffuse, involvement of the neocortex. The proposed study will expand on that work and hypothesizes that the brains of autistic individuals are characterized by abnormalities in and around the synapses. Utilizing the latest neuropathologic technologies, the investigators will study the integrity of neuronal connections in specific regions of autistic brain specimens and compare the results with those from normal control specimens. These experiments will help to define the role of synaptic alterations in producing autistic behaviors and perhaps indicate the cause of these problems. If specific defects in brain connections can be identified and shown to be associated with autism, then it may be possible to develop genetic or biochemical interventions to help correct such abnormalities.
Award amount: $29,920 (year 1 of 2)
NAAR Research Patron: The Mellanby Family/Autism Society of Broward County

John P. Welsh, Ph.D.
Assistant Professor
New York University School of Medicine
New York, New York
Title: "Functional Analysis of Rodent Autism Model"
Description: This project proposes to undertake a functional analysis of a brainstem structure, the inferior olivary nucleus, that sends information to the cerebellum. The study is particularly interesting because it could illuminate the basis of cerebellar dysfunction, which has been implicated as a factor in autism spectrum disorders. The investigator will examine whether the inferior olive is functionally altered in a rat model of autism. There are two major goals of this research: (1) to establish whether rats with specifically identified neuropathologies, produced by prenatal exposure to a teratogenic drug (valproic acid), have behavioral and cognitive characteristics that parallel those observed in autistic individuals (this would be a replication of a mouse model already created by another group) and (2) to identify the specific biophysical disturbances that may underlie such deficits. Dr. Welsh hypothesizes that abnormalities in the electrical coupling of these structures causes an inability of the mice to learn. By using a drug on these mice he will change the electrical properties and test their learning abilities. The research team has extensive experience in neuroanatomy, neurophysiology, biophysics, and behavior and will bring their specific expertise from the fields of motor control and learning and memory to elucidate the biobehavioral bases of autism. This project might have a direct effect on our understanding of the learning diabilities associated with autism and may lead to a strategy for a pharmaceutical intervention.
Award amount: $30,000 (year 1 of 2)

James T. Winslow, Ph.D.
Associate Research Professor
Yerkes Regional Primate Research Center, Emory University
Atlanta, Georgia
Title: "Characterization of the Social Behavior of Inbred Mouse Strains"
Description: Thomas R. Insel. M.D., is co-investigator. Recent advances in research on the genetic basis of autism have identified several candidate gene mutations. Next, studies are needed to produce animals affected by these mutations and to evaluate those aspects of their behavior, e.g., social behavior and cognitive ability, that may serve as a model for autism. However, before such studies can produce valid and reliable results, it is necessary to define the social and emotional profiles of specific types of animals. The current study proposes to do that for known mouse strains as a basis for future comparisons with mutant strains. Such fundamental research is essential for providing critical background information for the selection of appropriate mouse strains to be used as models for the study of the genetic bases of autism and for evaluating the results of that research. The pilot data generated from this study will be used in the preparation of a more extensive grant application to the National Institutes of Health.
Award amount: $30,000 (1 year)

TOTAL GRANTS AND ALLOCATIONS $621,501

NATIONAL ALLIANCE FOR AUTISM RESEARCH
Form 990, Part II, Line 42
Fiscal year ending June 30, 1999

ID #04-3246763
Statement #5

DESCRIPTION	DATE	BASIS	LIFE	METHOD	PRIOR DEPREC.	CURRENT DEPREC.	TOTAL ACCUM. DEP.
EQUIPMENT	VARIOUS	13,479	3 YR	SL	3,698	3,700	7,398
FURNITURE & FIXTURES	VARIOUS	3,830	5 YR	SL	766	1,242	2,008
		17,309			4,464	4,942	9,406

NATIONAL ALLIANCE FOR AUTISM RESEARCH
Continuation of Form 990, Part II-- Statement of Functional Expenses
Fiscal year ending June 30, 1999

ID #04-3246763
Statement #6

	(A) Total	(B) Program services	(C) Management and general	(D) Fundraising
RECRUITING	2,094	1,047	628	419
FILING FEES	2,438			2,438
RESEARCH MATERIALS	2,330		233	2,097
INSURANCE	2,853	941	971	941
DUES AND SUBSCRIPTIONS	571	103	468	
PUBLIC RELATIONS/ADVERTISING	976		98	878
MISCELLANEOUS	5,447	521	1,712	3,214
	16,709	2,612	4,110	9,987

NATIONAL ALLIANCE FOR AUTISM RESEARCH
Form 990, Part III – Statement of Program Service Accomplishments
Fiscal year ending June 30, 1999

ID #04-3246763
Statement #7

a. Autism Research Awards: $455,456

NAAR held the third meeting of its distinguished Scientific Advisory Board in March, 1999 and completed its third annual funding of research awards. NAAR received over 60 proposals from scientists throughout the U.S., Europe and Canada. This fiscal year, NAAR increased the number of NAAR Research Awards granted to 14 (from 10 in 1998 and 5 in 1997) and committed a total of ***$406,501***. In addition to this amount, Research Awards in the amount of $237,088 are subject to discretionary renewal and are scheduled to be disbursed through June 30, 2001, subject to satisfactory progress and availability of funds.

Two of NAAR's first five awardees secured multi-million dollar NIH grants this year based on pilot research funded by NAAR.

b. Autism Fellowships: $218,727

NAAR commenced a new program of awarding NAAR Autism Fellowships (the Roland D. Ciaranello, MD Memorial Fellowship in Basic Research and the NAAR/Bristol-Myers Squibb Research Fellowship in Autism and Neuropharmacology). This fiscal year, in addition to the NAAR Research Awards noted previously, NAAR committed a total of ***$215,000*** in Fellowships. In addition, Fellowships in the amount of $65,000 are subject to discretionary renewal and are scheduled to be disbursed through June 30, 2001, subject to satisfactory progress and availability of funds.

c. Autism Tissue Program: $83,472

The Autism Tissue Program (ATP), NAAR's collaborative effort with the Autism Society of America Foundation aimed at promoting awareness of the urgent need for post-mortem brain tissue donation, was successfully launched. As of June 30, 1999, 20,000 ATP brochures had been distributed nationwide, nearly 1,000 persons had registered with the program, and three tissue donations received. In support of the ATP, NAAR was also the recipient of a $80,000 grant from the National Institute of Mental Health and the National Institute of Neurological Disorders and Stroke through a supplemental grant to the Harvard Brain Tissue Resource Center. This grant supported the travel expenses of the ATP Coordinator, the design and printing of promotional materials, and the first meeting of the ATP's Tissue Advisory Board in the spring of 1999.

d. Outreach & Awareness: $82,880

NAAR was engaged in a variety of public education and awareness activities on behalf of autism research. The third and fourth issues of NAAR's newsletter, *NAARRATIVE*, were distributed to over 10,000 individuals in the U.S. and abroad as well as at conferences and symposia around the country. The science feature article of each issue, as well as selected other articles, were also posted on NAAR's website, www.naar.org.

NAAR's award-winning website was upgraded throughout the year to provide additional search tools and increase the amount of information available on autism and autism research.

At NAAR's expense, NAAR representatives attended and/or presented at a wide range of autism and scientific conferences and distributed/provided information on autism and autism research to numerous individuals and organizations.

e. Building Alliances, Legislation: $29,246

NAAR continued in its commitment to forge alliances with other autism organizations. It co-sponsored two parent conferences, one with the Autism Society of Cincinnati and the other with the Foundation for Educating Children with Autism. NAAR also co-sponsored a scientific conference on Building Animal Models in Autism Research with the NIH and Cure Autism Now Foundation. Two autism organizations, the Autism Society of America Foundation and Solving the Mystery of Autism Foundation, continue to fund biomedical research through NAAR.

NAAR joined with the Autism Society of America and with the Cure Autism Now Foundation to promote awareness and support of federal legislation which would substantially increase funding for biomedical research in autism.

NATIONAL ALLIANCE FOR AUTISM RESEARCH

ID #04-3246763
Statement #8

Continuation of Form 990, Part V -- List of Officers, Directors, Trustees and Key Employees
Fiscal year ending June 30, 1999

(A) Name and address	(B) Title and average hours per week devoted to position		(C) Compensation (If not paid, enter -0-.)	(D) Contribution to employee benefit plans & deferred compensation	(E) Expense account and other allowances
CATHERINE JOHNSON, PH.D. C/O NAAR, 414 WALL ST., PRINCETON, NJ 08540	TRUSTEE	PT	0	0	0
CATHY J. LURIE C/O NAAR, 414 WALL ST., PRINCETON, NJ 08540	TRUSTEE	PT	0	0	0
JEFFREY R. LURIE, PH.D. C/O NAAR, 414 WALL ST., PRINCETON, NJ 08540	TRUSTEE	PT	0	0	0
DAVID N. MAXSON C/O NAAR, 414 WALL ST., PRINCETON, NJ 08540	EXEC. DIR.	FULL	118,239	0	0

NATIONAL ALLIANCE FOR AUTISM RESEARCH, INC.
Form 990, Schedule A, Part III, Line 2d – Reimbursement of Expenses
Fiscal year ending June 30, 1999

04-3246763
Statement #9

The National Alliance for Autism Research, Inc. reimburses trustees and officers for out-of-pocket expenses connected with the performance of their responsibilities as such trustees and officers.

All expenses paid are substantiated by receipts and other necessary documentation.

NATIONAL ALLIANCE FOR AUTISM RESEARCH, INC. 04-3246763

Continuation of Form 990, Schedule A, Part III, Line 4b – Grant Qualification Statement Statement #10

Fiscal year ending June 30, 1999

All proposals submitted to NAAR for funding and addressing the prevention, causes, treatment and cure of the autism spectrum disorders, are reviewed by NAAR's Scientific Advisory Board. NAAR's Scientific Advisory Board is composed of eminent researchers in the various disciplines of medicine and science relevant to autism research.

The Board of Trustees of NAAR determines which research proposals to fund taking into consideration the recommendations of the Scientific Advisory Board. Investigators of NAAR-funded research proposals are affiliated with, and under the rules and guidelines of, educational or medical organizations which have received tax exempt status under Internal Revenue Code §501(c).

NATIONAL ALLIANCE FOR AUTISM RESEARCH, INC.
Form 990, Schedule A, Part IV-A, Line 26b
Fiscal year ending June 30, 1999

04-3246763
Statement #11

Donor information for Form 990, Schedule A, Part IV-A, Line 26b is not open to public inspection and has been removed.

NATIONAL ALLIANCE FOR AUTISM RESEARCH, INC. 04-3246763
Continuation of Form 990, Schedule A, Part VI-B – Lobbying Activity Statement Statement #12
Fiscal year ending June 30, 1999

NAAR joined with other national autism organizations in spearheading support for federal legislation aimed at increasing government funding of autism biomedical research. In addition to visits with key congressional representatives, NAAR used its website and NAARRATIVE newsletter to inform and update supporters on the status of proposed legislation.

NATIONAL ALLIANCE FOR AUTISM RESEARCH, INC.
Form 990, Part I, Line 1d – Schedule of Contributors
Fiscal year ending June 30, 1999

04-3246763
Statement #1

Donor information for Form 990, Part I, Line 1d is not open to public inspection and has been removed.

Form 2758
(Rev. June 1998)
Department of the Treasury
Internal Revenue Service

Application for Extension of Time to File Certain Excise, Income, Information, and Other Returns

OMB No. 1545-0143

▶ File a separate application for each return.

Please type or print. File the original and one copy by the due date for filing your return. See instructions.

Name: NATIONAL ALLIANCE FOR AUTISM RESEARCH, INC.

Employer identification number: 04-3246763

Number, street, and room or suite no. (or P.O. box no. if mail is not delivered to street address): 414 WALL STREET, RESEARCH PARK

City, town or post office, state, and ZIP code. For a foreign address, see instructions.: PRINCETON, NJ 08540

Note: *Corporate income tax return filers must use Form 7004 to request an extension of time to file. Partnerships, REMICs, and trusts must use Form 8736 to request an extension of time to file Form 1065, 1066, or 1041.*

1 I request an extension of time until FEBRUARY 15, 2000, to file (check only one):

- [ ] Form 706-GS(D)
- [ ] Form 706-GS(T)
- [x] Form 990 or 990-EZ
- [ ] Form 990-BL
- [ ] Form 990-PF
- [ ] Form 990-T (sec. 401(a) or 408(a) trust)
- [ ] Form 990-T (trust other than above)
- [ ] Form 1041 (estate) (see instructions)
- [ ] Form 1041-A
- [ ] Form 1042
- [ ] Form 1120-ND (sec. 4951 taxes)
- [ ] Form 3520-A
- [ ] Form 4720
- [ ] Form 5227
- [ ] Form 6069
- [ ] Form 8612
- [ ] Form 8613
- [ ] Form 8725
- [ ] Form 8804
- [ ] Form 8831

If the organization does not have an office or place of business in the United States, check this box ▶ [ ]

2a For calendar year _____, or other tax year beginning JULY 1, 1998 and ending JUNE 30, 1999.

b If this tax year is for less than 12 months, check reason: [ ] Initial return [ ] Final return [ ] Change in accounting period

3 Has an extension of time to file been previously granted for this tax year? [ ] Yes [x] No

4 State in detail why you need the extension AN AUDIT OF THE ORGANIZATION'S BOOKS AND RECORDS IS NOT YET COMPLETED. AS SUCH, INFORMATION NECESSARY FOR THE PREPARATION OF A COMPLETE AND ACCURATE FORM 990, IS NOT YET AVAILABLE.

5a If this form is for Form 706-GS(D), 706-GS(T), 990-BL, 990-PF, 990-T, 1041 (estate), 1042, 1120-ND, 4720, 6069, 8612, 8613, 8725, 8804, or 8831, enter the tentative tax, less any nonrefundable credits. See instructions. $ 0

b If this form is for Form 990-PF, 990-T, 1041 (estate), 1042, or 8804, enter any refundable credits and estimated tax payments made. Include any prior year overpayment allowed as a credit $ _____

c Balance due. Subtract line 5b from line 5a. Include your payment with this form, or deposit with FTD coupon if required. See instructions $ 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 ▶ [signature] Title ▶ TREASURER Date ▶ 11/01/99

FILE ORIGINAL AND ONE COPY. The IRS will show below whether or not your application is approved and will return the copy.

Notice to Applicant — To Be Completed by the IRS

- [x] We HAVE approved your application. Please attach this form to your return.
- [ ] We HAVE NOT approved your application. However, we have granted a 10-day grace period from the later of the date shown below or the due date of your 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 your return.
- [ ] We HAVE NOT approved your application. After considering the reasons stated in item 4, we cannot grant your request for an extension of time to file. We are not granting the 10-day grace period.
- [ ] We cannot consider your application because it was filed after the due date of the return for which an extension was requested.
- [ ] Other: _____

EXTENSION APPROVED

By: _____ Director

NOV 12 1999
Date

RICHARD CREAMER, DIRECTOR
CENTRALIZED AUTOMATION

If you want a copy of this form to be returned to an address other than that shown above, please enter the address to which the copy should be sent.

Please Type or Print

Name: MARK J. KRINSKY, CPA

Number, street, and room or suite no. (or P.O. box no. if mail is not delivered to street address): 655 MADISON AVENUE, 8TH FL.

City, town, or post office, state, and ZIP code. For a foreign address, see instructions.: NEW YORK, NY 10021

For Paperwork Reduction Act Notice, see back of form.

Form 2758 (Rev. 6-98)

ISA
STF FED4663F