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Form

990

Department of the Treasury
Internal Revenue Service

Return of Organization Exempt From Income Tax

OMB No 1545-0047

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

2008

Open to Public Inspection

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

A For the 2008 calendar year, or tax year beginning 10-01-2008 and ending 09-30-2009

B Check if applicable:
☐ Address change
☐ Name change
☐ Initial return
☐ Termination
☐ Amended return
☐ Application pending

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

C Name of organization
CALIFORNIA ASSOCIATION FOR RESEARCH IN ASTRONOMY

Doing Business As
W M Keck Observatory

Number and street (or P O box if mail is not delivered to street address)
65-1120 Mamalahoa Hwy

Room/suite

City or town, state or country, and ZIP + 4
Kamuela, HI 96743

D Employer identification number
95-3972799

E Telephone number
(808) 885-7887

G Gross receipts \$ 21,468,506

H(a) Is this a group return for affiliates?
☐ Yes ☒ No

H(b) Are all affiliates included?
☐ Yes ☐ No
If "No," attach a list (see instructions)

H(c) Group exemption number ▶

I Tax-exempt status ☒ 501(c) (3) ◀(insert no) ☐ 4947(a)(1) or ☐ 527

J Website: ▶ www.keck.hawaii.edu

K Type of organization ☒ Corporation ☐ Trust ☐ Association ☐ Other ▶ L Year of formation 1986 M State of legal domicile CA

Part I Summary

Activities & Governance

1 Briefly describe the organization's mission or most significant activities
To advance the frontiers of astronomy and share our discoveries with the world CARA was formed by the Regents of the University of California and California Institute of Technology, two Section 501(3) corporations, to operate two 10-meter optical/infrared telescopes on the summit of Mauna Kea on the island of Hawai'i

2 Check this box ☐ if the organization discontinued its operations or disposed of more than 25% of its assets

3 Number of voting members of the governing body (Part VI, line 1a) 3

4 Number of independent voting members of the governing body (Part VI, line 1b) 4

5 Total number of employees (Part V, line 2a) 5 14

6 Total number of volunteers (estimate if necessary) 6

7a Total gross unrelated business revenue from Part VIII, line 12, column (C) . . . 7a

7b Net unrelated business taxable income from Form 990-T, line 34 . . . 7b

Revenue

8 Contributions and grants (Part VIII, line 1h)

9 Program service revenue (Part VIII, line 2g)

10 Investment income (Part VIII, column (A), lines 3, 4, and 7d)

11 Other revenue (Part VIII, column (A), lines 5, 6d, 8c, 9c, 10c, and 11e)

12 Total revenue—add lines 8 through 11 (must equal Part VIII, column (A), line 12)

Prior Year Current Year

15,458,641 15,613,456

5,384,494 5,489,853

509,707 351,273

-3,450,158 0

17,902,684 21,454,582

Expenses

13 Grants and similar amounts paid (Part IX, column (A), lines 1–3) . . .

14 Benefits paid to or for members (Part IX, column (A), line 4)

15 Salaries, other compensation, employee benefits (Part IX, column (A), lines 5–10)

16a Professional fundraising fees (Part IX, column (A), line 11e)

b Total fundraising expenses (Part IX, column (D), line 25) ▶499,773

17 Other expenses (Part IX, column (A), lines 11a–11d, 11f–24f)

18 Total expenses Add lines 13–17 (must equal Part IX, column (A), line 25)

19 Revenue less expenses Subtract line 18 from line 12

0 0

0 0

9,821,496 10,418,911

0 0

8,343,130 8,301,625

18,164,626 18,720,536

-261,942 2,734,046

Net Assets or Fund Balances

20 Total assets (Part X, line 16)

21 Total liabilities (Part X, line 26)

22 Net assets or fund balances Subtract line 21 from line 20

Beginning of Year End of Year

97,691,310 101,212,994

11,197,794 11,985,433

86,493,516 89,227,561

Part II Signature Block

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 Date 2010-08-16

Peter J Taylor Chief Financial Officer Type or print name and title

Paid Preparer's Use Only

Preparer's signature Date Check if self-employed Preparer's identifying number (see instructions)

Firm's name (or yours if self-employed), address, and ZIP + 4 EIN Phone no

Part III Statement of Program Service Accomplishments (see instructions.)

1

Briefly describe the organization's mission

To advance the frontiers of astronomy and share our discoveries with the world CARA was formed by the Regents of the University of California and California Institute of Technology, two Section 501(3) corporations, to operate two 10-meter optical/infrared telescopes on the summit of Mauna Kea on the island of Hawai'i

2

Did the organization undertake any significant program services during the year which were not listed on the prior Form 990 or 990-EZ?

☐ Yes

☒ No

If "Yes," describe these new services on Schedule O

3

Did the organization cease conducting, or make significant changes in how it conducts, any program services?

☐ Yes

☒ No

If "Yes," describe these changes on Schedule O

4

Describe the exempt purpose achievements for each of the organization's three largest program services by expenses

Section 501(c)(3) and 501(c)(4) organizations and section 4947(a)(1) trusts are required to report the amount of grants and allocations to others, the total expenses, and revenue, if any, for each program service reported

4a

(Code) (Expenses \$ 15,422,863 including grants of \$ 0) (Revenue \$ 5,489,853)

Higher Education The twin telescopes are dedicated to astronomical research 365 days/nights per year and feature a suite of advanced instrumentation including imagers, multi-object spectrographs, high-resolution spectrographs, and integral-field spectroscopy Keck has developed and operates a sophisticated natural and laser guide star adaptive optics system and also operates the only large-aperture infrared interferometer in the United States Observing time on the Keck telescopes is divided each year among its partner institutions the California Institute of Technology, University of California, and NASA as well as the University of Hawai'i The broader observing community has access to the telescopes through partnerships with the National Science Foundation and NASA CARA's activities include entering into grants and contracts to carry out research and instrumentation development Keck's legacy of exploration includes the discovery of exoplanets, the study of how planets, stars and galaxies form, the nature of black holes, and the chemical composition and evolution of the Universe

4b

(Code) (Expenses \$ 131,801 including grants of \$ 0) (Revenue \$ 12,232)

Public Information Each year, Keck Observatory sponsors dozens of educational programs for Hawai'i Island families, educators, students, and international enthusiasts to foster a greater appreciation of science and its many contributions to society On a global level, the Observatory sponsors Keck Nation, a growing on-line community whose members are the first to receive science news and discoveries In tax year 2008, Keck Observatory sponsored a community Open House with funding support from the County of Hawaii

4c

(Code) (Expenses \$ 262,210 including grants of \$ 0) (Revenue \$ 262,210)

Research Keck Observatory's activities include submitting grant proposals to carry out small research projects such as instrument studies and adaptive optics development

4d

Other program services (Describe in Schedule O)

(Expenses \$ 0 including grants of \$ 0) (Revenue \$ 0)

4e

Total program service expenses

\$ 15,816,874 (Must equal Part IX, Line 25, column (B).)

Part IV

Checklist of Required Schedules

		Yes	No
1	Is the organization described in section 501(c)(3) or 4947(a)(1) (other than a private foundation)? <i>If "Yes," complete Schedule A.</i> 	1	Yes
2	Is the organization required to complete Schedule B, Schedule of Contributors? 	2	Yes
3	Did the organization engage in direct or indirect political campaign activities on behalf of or in opposition to candidates for public office? <i>If "Yes," complete Schedule C, Part I.</i>	3	No
4	Section 501(c)(3) organizations. Did the organization engage in lobbying activities? <i>If "Yes," complete Schedule C, Part II.</i>	4	No
5	Section 501(c)(4), 501(c)(5), and 501(c)(6) organizations. Is the organization subject to the section 6033(e) notice and reporting requirement and proxy tax? <i>If "Yes," complete Schedule C, Part III.</i>	5	
6	Did the organization maintain any donor advised funds or any accounts where donors have the right to provide advice on the distribution or investment of amounts in such funds or accounts? <i>If "Yes," complete Schedule D, Part I.</i>	6	No
7	Did the organization receive or hold a conservation easement, including easements to preserve open space, the environment, historic land areas or historic structures? <i>If "Yes," complete Schedule D, Part II.</i>	7	No
8	Did the organization maintain collections of works of art, historical treasures, or other similar assets? <i>If "Yes," complete Schedule D, Part III.</i>	8	No
9	Did the organization report an amount in Part X, line 21, serve as a custodian for amounts not listed in Part X, or provide credit counseling, debt management, credit repair, or debt negotiation services? <i>If "Yes," complete Schedule D, Part IV.</i>	9	No
10	Did the organization hold assets in term, permanent, or quasi-endowments? <i>If "Yes," complete Schedule D, Part V.</i>	10	No
11	Did the organization report an amount in Part X, lines 10, 12, 13, 15, or 25? <i>If "Yes," complete Schedule D, Parts VI, VII, VIII, IX, or X as applicable.</i> 	11	Yes
12	Did the organization receive an audited financial statement for the year for which it is completing this return that was prepared in accordance with GAAP? <i>If "Yes," complete Schedule D, Parts XI, XII, and XIII.</i> 	12	Yes
13	Is the organization a school described in section 170(b)(1)(A)(ii)? <i>If "Yes," complete Schedule E.</i>	13	No
14a	Did the organization maintain an office, employees, or agents outside of the U.S.?	14a	No
b	Did the organization have aggregate revenues or expenses of more than \$10,000 from grantmaking, fundraising, business, and program service activities outside the U.S.? <i>If "Yes," complete Schedule F, Part I.</i>	14b	No
15	Did the organization report on Part IX, column (A), line 3, more than \$5,000 of grants or assistance to any organization or entity located outside the United States? <i>If "Yes," complete Schedule F, Part II.</i>	15	No
16	Did the organization report on Part IX, column (A), line 3, more than \$5,000 of aggregate grants or assistance to individuals located outside the United States? <i>If "Yes," complete Schedule F, Part III.</i>	16	No
17	Did the organization report more than \$15,000 on Part IX, column (A), line 11e? <i>If "Yes," complete Schedule G, Part I.</i>	17	No
18	Did the organization report more than \$15,000 total on Part VIII, lines 1c and 8a? <i>If "Yes," complete Schedule G, Part II.</i>	18	No
19	Did the organization report more than \$15,000 on Part VIII, line 9a? <i>If "Yes," complete Schedule G, Part III.</i>	19	No
20	Did the organization operate one or more hospitals? <i>If "Yes," complete Schedule H.</i>	20	No
21	Did the organization report more than \$5,000 on Part IX, column (A), line 1? <i>If "Yes," complete Schedule I, Parts I and II.</i>	21	No
22	Did the organization report more than \$5,000 on Part IX, column (A), line 2? <i>If "Yes," complete Schedule I, Parts I and III.</i>	22	No
23	Did the organization answer "Yes" to Part VII, Section A, questions 3, 4, or 5? <i>If "Yes," complete Schedule J.</i> 	23	Yes
24a	Did the organization have a tax-exempt bond issue with an outstanding principal amount of more than \$100,000 as of the last day of the year, that was issued after December 31, 2002? <i>If "Yes," answer questions 24b–24d and complete Schedule K. If "No," go to question 25.</i>	24a	No
b	Did the organization invest any proceeds of tax-exempt bonds beyond a temporary period exception?	24b	
c	Did the organization maintain an escrow account other than a refunding escrow at any time during the year to defease any tax-exempt bonds?	24c	
d	Did the organization act as an "on behalf of" issuer for bonds outstanding at any time during the year?	24d	
25a	Section 501(c)(3) and 501(c)(4) organizations. Did the organization engage in an excess benefit transaction with a disqualified person during the year? <i>If "Yes," complete Schedule L, Part I.</i>	25a	No
b	Did the organization become aware that it had engaged in an excess benefit transaction with a disqualified person from a prior year? <i>If "Yes," complete Schedule L, Part I.</i>	25b	No
26	Was a loan to or by a current or former officer, director, trustee, key employee, highly compensated employee, or disqualified person outstanding as of the end of the organization's tax year? <i>If "Yes," complete Schedule L, Part II.</i>	26	No
27	Did the organization provide a grant or other assistance to an officer, director, trustee, key employee, or substantial contributor, or to a person related to such an individual? <i>If "Yes," complete Schedule L, Part III.</i>	27	No

Part IV **Checklist of Required Schedules** *(Continued)*

		Yes	No
28	During the tax year, did any person who is a current or former officer, director, trustee, or key employee		
a	Have a direct business relationship with the organization (other than as an officer, director, trustee, or employee), or an indirect business relationship through ownership of more than 35% in another entity (individually or collectively with other person(s) listed in Part VII, Section A)? <i>If "Yes," complete Schedule L, Part IV</i>		No
b	Have a family member who had a direct or indirect business relationship with the organization? <i>If "Yes," complete Schedule L, Part IV</i>		No
c	Serve as an officer, director, trustee, key employee, partner, or member of an entity (or a shareholder of a professional corporation) doing business with the organization? <i>If "Yes," complete Schedule L, Part IV</i>		No
29	Did the organization receive more than \$25,000 in non-cash contributions? <i>If "Yes," complete Schedule M</i>		No
30	Did the organization receive contributions of art, historical treasures, or other similar assets, or qualified conservation contributions? <i>If "Yes," complete Schedule M</i>		No
31	Did the organization liquidate, terminate, or dissolve and cease operations? <i>If "Yes," complete Schedule N, Part I</i>		No
32	Did the organization sell, exchange, dispose of, or transfer more than 25% of its net assets? <i>If "Yes," complete Schedule N, Part II</i>		No
33	Did the organization own 100% of an entity disregarded as separate from the organization under Regulations sections 301.7701-2 and 301.7701-3? <i>If "Yes," complete Schedule R, Part I</i>		No
34	Was the organization related to any tax-exempt or taxable entity? <i>If "Yes," complete Schedule R, Parts II, III, IV, and V, line 1</i>		No
35	Is any related organization a controlled entity within the meaning of section 512(b)(13)? <i>If "Yes," complete Schedule R, Part V, line 2</i>		No
36	Section 501(c)(3) organizations. Did the organization make any transfers to an exempt non-charitable related organization? <i>If "Yes," complete Schedule R, Part V, line 2</i>		No
37	Did the organization conduct more than 5% of its activities through an entity that is not a related organization and that is treated as a partnership for federal income tax purposes? <i>If "Yes," complete Schedule R, Part VI</i>		No

Part V

Statements Regarding Other IRS Filings and Tax Compliance

			Yes	No
1a	Enter the number reported in Box 3 of Form 1096, <i>Annual Summary and Transmittal of U.S. Information Returns</i> . Enter -0- if not applicable	1a37		
b	Enter the number of Forms W-2G included in line 1a. Enter -0- if not applicable	1b0		
c	Did the organization comply with backup withholding rules for reportable payments to vendors and reportable gaming (gambling) winnings to prize winners?	1c	Yes	
2a	Enter the number of employees reported on Form W-3, <i>Transmittal of Wage and Tax Statements</i> filed for the calendar year ending with or within the year covered by this return	2a145		
b	If at least one is reported on line 2a, did the organization file all required federal employment tax returns? Note: If the sum of lines 1a and 2a is greater than 250, you may be required to e-file this return (see instructions)	2b		
3a	Did the organization have unrelated business gross income of \$1,000 or more during the year covered by this return?	3a		No
b	If "Yes," has it filed a Form 990-T for this year? If "No," provide an explanation in Schedule O	3b		
4a	At any time during the calendar year, did the organization have an interest in, or a signature or other authority over, a financial account in a foreign country (such as a bank account, securities account, or other financial account)?	4a		No
b	If "Yes," enter the name of the foreign country: See the instructions for exceptions and filing requirements for Form TD F 90-22.1, Report of Foreign Bank and Financial Accounts			
5a	Was the organization a party to a prohibited tax shelter transaction at any time during the tax year?	5a		No
b	Did any taxable party notify the organization that it was or is a party to a prohibited tax shelter transaction?	5b		No
c	If "Yes," to question 5a or 5b, did the organization file Form 8886-T, Disclosure by Tax-Exempt Entity Regarding Prohibited Tax Shelter Transaction?	5c		
6a	Did the organization solicit any contributions that were not tax deductible?	6a		No
b	If "Yes," did the organization include with every solicitation an express statement that such contributions or gifts were not tax deductible?	6b		
7	Organizations that may receive deductible contributions under section 170(c).			
a	Did the organization provide goods or services in exchange for any quid pro quo contribution of more than \$75?	7a		No
b	If "Yes," did the organization notify the donor of the value of the goods or services provided?	7b		
c	Did the organization sell, exchange, or otherwise dispose of tangible personal property for which it was required to file Form 8282?	7c		No
d	If "Yes," indicate the number of Forms 8282 filed during the year	7d		
e	Did the organization, during the year, receive any funds, directly or indirectly, to pay premiums on a personal benefit contract?	7e		No
f	Did the organization, during the year, pay premiums, directly or indirectly, on a personal benefit contract?	7f		No
g	For all contributions of qualified intellectual property, did the organization file Form 8899 as required?	7g		No
h	For contributions of cars, boats, airplanes, and other vehicles, did the organization file a Form 1098-C as required?	7h		No
8	Section 501(c)(3) and other sponsoring organizations maintaining donor advised funds and 509(a)(3) supporting organizations. Did the supporting organization, or a fund maintained by a sponsoring organization, have excess business holdings at any time during the year?	8		
9	Section 501(c)(3) and other sponsoring organizations maintaining donor advised funds.			
a	Did the organization make any taxable distributions under section 4966?	9a		
b	Did the organization make a distribution to a donor, donor advisor, or related person?	9b		
10	Section 501(c)(7) organizations. Enter			
a	Initiation fees and capital contributions included on Part VIII, line 12	10a		
b	Gross receipts, included on Form 990, Part VIII, line 12, for public use of club facilities	10b		
11	Section 501(c)(12) organizations. Enter			
a	Gross income from members or shareholders	11a		
b	Gross income from other sources (Do not net amounts due or paid to other sources against amounts due or received from them)	11b		
12a	Section 4947(a)(1) non-exempt charitable trusts. Is the organization filing Form 990 in lieu of Form 1041?	12a		
b	If "Yes," enter the amount of tax-exempt interest received or accrued during the year	12b		

Part VI

Governance, Management, and Disclosure (Sections A, B, and C request information about policies not required by the Internal Revenue Code.)

Section A. Governing Body and Management

			Yes	No
For each "Yes" response to lines 2-7b below, and for a "No" response to lines 8 or 9b below, describe the circumstances, process, or changes in Schedule O. See instructions.				
1a	Enter the number of voting members of the governing body	1a	6	
b	Enter the number of voting members that are independent	1b	6	
2	Did any officer, director, trustee, or key employee have a family relationship or a business relationship with any other officer, director, trustee, or key employee?	2	Yes	
3	Did the organization delegate control over management duties customarily performed by or under the direct supervision of officers, directors or trustees, or key employees to a management company or other person?	3		No
4	Did the organization make any significant changes to its organizational documents since the prior Form 990 was filed?	4		No
5	Did the organization become aware during the year of a material diversion of the organization's assets?	5		No
6	Does the organization have members or stockholders?	6		No
7a	Does the organization have members, stockholders, or other persons who may elect one or more members of the governing body?	7a		No
b	Are any decisions of the governing body subject to approval by members, stockholders, or other persons?	7b		No
8	Did the organization contemporaneously document the meetings held or written actions undertaken during the year by the following			
a	The governing body?	8a	Yes	
b	Each committee with authority to act on behalf of the governing body?	8b	Yes	
9a	Does the organization have local chapters, branches, or affiliates?	9a		No
b	If "Yes," does the organization have written policies and procedures governing the activities of such chapters, affiliates, and branches to ensure their operations are consistent with those of the organization?	9b		
10	Was a copy of the Form 990 provided to the organization's governing body before it was filed? All organizations must describe in Schedule O the process, if any, the organization uses to review the Form 990	10	Yes	
11	Is there any officer, director or trustee, or key employee listed in Part VII, Section A, who cannot be reached at the organization's mailing address? If "Yes," provide the names and addresses in Schedule O	11		No

Section B. Policies

			Yes	No
12a	Does the organization have a written conflict of interest policy? If "No," go to line 13	12a	Yes	
b	Are officers, directors or trustees, and key employees required to disclose annually interests that could give rise to conflicts?	12b	Yes	
c	Does the organization regularly and consistently monitor and enforce compliance with the policy? If "Yes," describe in Schedule O how this is done	12c		No
13	Does the organization have a written whistleblower policy?	13	Yes	
14	Does the organization have a written document retention and destruction policy?	14	Yes	
15	Did the process for determining compensation of the following persons include a review and approval by independent persons, comparability data, and contemporaneous substantiation of the deliberation and decision			
a	The organization's CEO, Executive Director, or top management official?	15a		No
b	Other officers or key employees of the organization?	15b		No
	Describe the process in Schedule O (see instructions)			
16a	Did the organization invest in, contribute assets to, or participate in a joint venture or similar arrangement with a taxable entity during the year?	16a		No
b	If "Yes," has the organization adopted a written policy or procedure requiring the organization to evaluate its participation in joint venture arrangements under applicable federal tax law, and taken steps to safeguard the organization's exempt status with respect to such arrangements?	16b		

Section C. Disclosure

17	List the States with which a copy of this Form 990 is required to be filed CA , HI
18	Section 6104 requires an organization to make its Form 1023 (or 1024 if applicable), 990, and 990-T (501(c)(3)s only) available for public inspection. Indicate how you make these available. Check all that apply. ☐ Own website ☐ Another's website ☒ Upon request
19	Describe in Schedule O whether (and if so, how), the organization makes its governing documents, conflict of interest policy, and financial statements available to the public. See Additional Data Table.
20	State the name, physical address, and telephone number of the person who possesses the books and records of the organization. California Association for Research in Astronomy 65-1120 Mamalahoa Hwy Kamuela, HI 96743 (808) 885-7887

Part VII Compensation of Officers, Directors, Trustees, Key Employees, Highest Compensated Employees, and Independent Contractors

Section A. Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees

- 1a** Complete this table for all persons required to be listed. Use Schedule J-2 if additional space is needed.
- List all of the organization's **current** officers, directors, trustees (whether individuals or organizations), regardless of amount of compensation, and **current** key employees. Enter -0- in columns (D), (E), and (F) if no compensation was paid.
 - List the organization's five **current** highest compensated employees (other than an officer, director, trustee or key employee) who received reportable compensation (Box 5 of Form W-2 and/or Box 7 of Form 1099-MISC) of more than \$100,000 from the organization and any related organizations.
 - List all of the organization's **former** officers, key employees, or highest compensated employees who received more than \$100,000 of reportable compensation from the organization and any related organizations.
 - List all of the organization's **former directors or trustees** that received, in the capacity as a former director or trustee of the organization, more than \$10,000 of reportable compensation from the organization and any related organizations.

List persons in the following order: individual trustees or directors; institutional trustees; officers; key employees; highest compensated employees; and former such persons.

☐ Check this box if the organization did not compensate any officer, director, trustee or key employee

(A) Name and Title	(B) Average hours per week	(C) Position (check all that apply)						(D) Reportable compensation from the organization (W- 2/1099- MISC)	(E) Reportable compensation from related organizations (W- 2/1099- MISC)	(F) Estimated amount of other compensation from the organization and related organizations
		☒ Individual	Institutional Trustee	Officer	Key employee	Highest compensated employee	Former			
Dr George Blumenthal Chairman	5	X		X				0	0	0
Dr Ed Stolper Vice-Chairman	5	X		X				0	0	0
Dr Edward Stone Former Vice-Chair	5	X					X	0	0	0
Dr Michael Bolte Board Member	5	X						0	0	0
Dr B Thomas Soifer Board Member	5	X						0	0	0
Dr Shrinivas Kulkarni Board Member	5	X						0	0	0
Mr Alphonso V Diaz CFO	5	X		X			X	0	0	0
Ms Katie Lapp Former CFO	5	X					X	0	0	0
Ms Elaine Stamman Secretary	5			X				0	0	0
Dr Taft Armandorff Observatory Director	40				X			236,222	0	42,306
Mr Hilton Lewis Observatory Deputy Director	40				X			191,566	0	39,700
Dr Peter Wizinowich Optics Eng. Manager	40				X			161,098	0	35,067
Mr Richard Matsuda Operations and Infrastructure Mgr	40				X			157,697	0	32,918
Mr Kevin McCann Software Eng. Mgr	40					X		151,640	0	33,989
Mr Kevin Tsubota Sr Software Eng	40					X		145,664	0	28,876
Mr Dennis McBride OID Principle Engineer	40					X		131,968	0	30,893
Ms Margarita Scheffel Observatory CFO	40					X		129,984	0	28,990

Part VII

1b Total	1,434,905	0	301,337
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2 Total number of individuals (including those receiving compensation from the organization) 28

5 Did any person listed on line 1a receive or accrue compensation from any unrelated organization for services rendered to the organization? *If "Yes," complete Schedule J for such person*

Section B. Independent Contractors

1 Complete this table for your five highest compensated independent contractors that received more than \$100,000 of compensation from the organization

2 Total number of independent contractors (including those in 1) who received more than \$100,000 in compensation from the organization 6

Part VIII

Statement of Revenue

				(A) Total revenue	(B) Related or exempt function revenue	(C) Unrelated business revenue	(D) Revenue excluded from tax under sections 512, 513, or 514			
Contributions, gifts, grants and other similar amounts	1a	Federated campaigns . . .	1a0	15,613,456						
	b	Membership dues	1b0							
	c	Fundraising events	1c0							
	d	Related organizations	1d0							
	e	Government grants (contributions)	1e3,351,327							
	f	All other contributions, gifts, grants, and similar amounts not included above	1f12,262,129							
	g	Noncash contributions included in lines 1a-1f \$ 0								
	h	Total. Add lines 1a-1f								
	Program Service Revenue	2a	VISITING SCIENTISTS LODGING AND MISC					Business Code 900,099	172,928	0
b		JET PROPULSION LABS SUBCONTRACT	900,099	2,133,272	2,133,272	0	0			
c		NASA OPERATIONS SUPPORT GRANT	900,099	3,183,653	3,183,653	0	0			
d										
e										
f		All other program service revenue		0	0	0	0			
g		Total. Add lines 2a-2f		5,489,853						
Other Revenue		3	Investment income (including dividends, interest and other similar amounts)		333,422	333,422	0	0		
		4	Income from investment of tax-exempt bond proceeds . .		0	0	0	0		
	5	Royalties		0	0	0	0			
	6a	Gross Rents	(i) Real	(ii) Personal						
			0	0						
			b	Less rental expenses					0	0
			c	Rental income or (loss)					0	0
	d	Net rental income or (loss)		0	0	0	0			
	7a	Gross amount from sales of assets other than inventory	(i) Securities	(ii) Other						
			8,775	23,000						
			b	Less cost or other basis and sales expenses					8,314	5,610
			c	Gain or (loss)					461	17,390
	d	Net gain or (loss)		17,851	0	0	17,851			
	8a	Gross income from fundraising events (not including \$ 0 of contributions reported on line 1c) See Part IV, line 18								
									a	0
									b	Less direct expenses
	c	Net income or (loss) from fundraising events . .		0	0	0	0			
	9a	Gross income from gaming activities See Part IV, line 19								
									a	0
									b	Less direct expenses
	c	Net income or (loss) from gaming activities . .		0	0	0	0			
10a	Gross sales of inventory, less returns and allowances									
								a	0	
								b	Less cost of goods sold	b0
c	Net income or (loss) from sales of inventory . .		0	0	0	0				
Miscellaneous Revenue		Business Code								
11a										
b										
c										
d	All other revenue									
e	Total. Add lines 11a-11d		0							
12	Total Revenue. Add lines 1h, 2g, 3, 4, 5, 6d, 7d, 8c, 9c, 10c, and 11e		21,454,582	5,650,347	0	190,779				

Part IX

Statement of Functional Expenses

Section 501(c)(3) and 501(c)(4) organizations must complete all columns.

All other organizations must complete column (A) but are not required to complete columns (B), (C), and (D).

Do not include amounts reported on lines 6b, 7b, 8b, 9b, and 10b of Part VIII.		(A) Total expenses	(B) Program service expenses	(C) Management and general expenses	(D) Fundraising expenses
1	Grants and other assistance to governments and organizations in the U S See Part IV, line 21	0	0		
2	Grants and other assistance to individuals in the U S See Part IV, line 22	0	0		
3	Grants and other assistance to governments, organizations, and individuals outside the U S See Part IV, lines 15 and 16	0	0		
4	Benefits paid to or for members	0	0		
5	Compensation of current officers, directors, trustees, and key employees	896,573	392,206	440,431	63,936
6	Compensation not included above, to disqualified persons (as defined under section 4958(f)(1)) and persons described in section 4958(c)(3)(B)	0	0	0	0
7	Other salaries and wages	7,394,464	5,670,645	1,499,547	224,272
8	Pension plan contributions (include section 401(k) and section 403(b) employer contributions)	717,271	471,575	223,145	22,551
9	Other employee benefits	659,425	439,809	199,459	20,157
10	Payroll taxes	751,178	505,406	223,214	22,558
11	Fees for services (non-employees)				
a	Management				
b	Legal	42,122		42,122	
c	Accounting	95,892		95,892	
d	Lobbying				
e	Professional fundraising See Part IV, line 17				
f	Investment management fees				
g	Other	778,277	615,564	122,747	39,966
12	Advertising and promotion				
13	Office expenses	191,774	68,754	108,454	14,566
14	Information technology	430,213	14,651	410,689	4,873
15	Royalties	0	0	0	0
16	Occupancy	1,420,031	1,104,593	315,438	0
17	Travel	433,693	205,509	169,047	59,137
18	Payments of travel or entertainment expenses for any federal, state, or local public officials	0	0	0	0
19	Conferences, conventions, and meetings	53,530	12,309	35,526	5,695
20	Interest	0	0	0	0
21	Payments to affiliates	0	0	0	0
22	Depreciation, depletion, and amortization	4,975,188	4,742,216	229,779	3,193
23	Insurance	39,965	0	39,965	0
24	Other expenses Itemize expenses not covered above (Expenses grouped together and labeled miscellaneous may not exceed 5% of total expenses shown on line 25 below)				
a	EQUIPMENT	156,749	137,927	18,822	0
b	SUPPLIES	515,923	368,917	129,588	17,418
c	EQUIPMENT RENTAL & MAINTENANCE	128,789	93,580	33,758	1,451
d	INDIRECT COST RECOVERY	-960,521	973,213	-1,933,734	0
e					
f	All other expenses				
25	Total functional expenses. Add lines 1 through 24f	18,720,536	15,816,874	2,403,889	499,773
26	Joint Costs. Check here ☒ if following SOP 98-2 Complete this line only if the organization reported in column (B) joint costs from a combined educational campaign and fundraising solicitation				

Part X

Balance Sheet

				(A)		(B)	
				Beginning of year		End of year	
Assets	1	Cash—non-interest-bearing		3,679	1	4,487	
	2	Savings and temporary cash investments		13,053,758	2	12,560,603	
	3	Pledges and grants receivable, net		278,675	3	50,000	
	4	Accounts receivable, net		191,624	4	581,914	
	5	Receivables from current and former officers, directors, trustees, key employees or other related parties <i>Complete Part II of Schedule L</i>		0	5	0	
	6	Receivables from other disqualified persons (as defined under section 4958(f)(1)) and persons described in section 4958(c)(3)(B) <i>Complete Part II of Schedule L</i>		0	6	0	
	7	Notes and loans receivable, net		0	7	0	
	8	Inventories for sale or use		0	8	0	
	9	Prepaid expenses and deferred charges		105,288	9	68,327	
	10a	Land, buildings, and equipment cost basis	10a	129,096,598			
	b	Less accumulated depreciation <i>Complete Part VI of Schedule D</i>	10b	41,148,935	84,058,286	10c	87,947,663
	11	Investments—publicly traded securities		0	11	0	
	12	Investments—other securities See Part IV, line 11		0	12		
	13	Investments—program-related See Part IV, line 11			13		
	14	Intangible assets			14	0	
	15	Other assets See Part IV, line 11		0	15		
16	Total assets. Add lines 1 through 15 (must equal line 34)		97,691,310	16		101,212,994	
Liabilities	17	Accounts payable and accrued expenses		2,720,950	17	3,277,246	
	18	Grants payable		0	18	0	
	19	Deferred revenue		8,476,844	19	8,708,187	
	20	Tax-exempt bond liabilities		0	20	0	
	21	Escrow account liability <i>Complete Part IV of Schedule D</i>		0	21	0	
	22	Payables to current and former officers, directors, trustees, key employees, highest compensated employees, and disqualified persons <i>Complete Part II of Schedule L</i>		0	22	0	
	23	Secured mortgages and notes payable to unrelated third parties		0	23	0	
	24	Unsecured notes and loans payable		0	24	0	
	25	Other liabilities <i>Complete Part X of Schedule D</i>		0	25		
	26	Total liabilities. Add lines 17 through 25		11,197,794	26		11,985,433
Net Assets or Fund Balances	Organizations that follow SFAS 117, check here ☒ and complete lines 27 through 29, and lines 33 and 34.						
	27	Unrestricted net assets		84,304,767	27	88,033,140	
	28	Temporarily restricted net assets		2,188,749	28	1,194,421	
	29	Permanently restricted net assets		0	29	0	
	Organizations that do not follow SFAS 117, check here ☐ and complete lines 30 through 34.						
	30	Capital stock or trust principal, or current funds			30		
	31	Paid-in or capital surplus, or land, building or equipment fund			31		
	32	Retained earnings, endowment, accumulated income, or other funds			32		
	33	Total net assets or fund balances		86,493,516	33		89,227,561
	34	Total liabilities and net assets/fund balances		97,691,310	34		101,212,994

Part XI

Financial Statements and Reporting

		Yes	No
1	Accounting method used to prepare the Form 990 ☐ Cash ☒ Accrual ☐ Other		
2a	Were the organization's financial statements compiled or reviewed by an independent accountant?	2a	Yes
b	Were the organization's financial statements audited by an independent accountant?	2b	Yes
c	If "Yes" to 2a or 2b, does the organization have a committee that assumes responsibility for oversight of the audit, review, or compilation of its financial statements and selection of an independent accountant?	2c	Yes
3a	As a result of a federal award, was the organization required to undergo an audit or audits as set forth in the Single Audit Act and OMB Circular A-133?	3a	Yes
b	If "Yes," did the organization undergo the required audit or audits?	3b	Yes

SCHEDULE A

(Form 990 or 990EZ)

Department of the Treasury
Internal Revenue Service

Public Charity Status and Public Support

To be completed by all section 501(c)(3) organizations and section 4947(a)(1) nonexempt charitable trusts.
Attach to Form 990 or Form 990-EZ. See separate instructions.

OMB No 1545-0047

2008

Open to Public Inspection

Name of the organization CALIFORNIA ASSOCIATION FOR RESEARCH IN ASTRONOMY	Employer identification number 95-3972799
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Part I Reason for Public Charity Status (to be completed by all organizations) (See Instructions)

The organization is not a private foundation because it is (Please check only **one** organization)

1	☐	A church, convention of churches, or association of churches described in Section 170(b)(1)(A)(i).
2	☐	A school described in Section 170(b)(1)(A)(ii). (Attach Schedule E)
3	☐	A hospital or a cooperative hospital service organization described in Section 170(b)(1)(A)(iii). (Attach Schedule H)
4	☐	A medical research organization operated in conjunction with a hospital described in Section 170(b)(1)(A)(iii). Enter the hospital's name, city, and state
5	☐	An organization operated for the benefit of a college or university owned or operated by a governmental unit described in Section 170(b)(1)(A)(iv). (Complete Part II)
6	☐	A federal, state, or local government or governmental unit described in Section 170(b)(1)(A)(v).
7	☒	An organization that normally receives a substantial part of its support from a governmental unit or from the general public described in Section 170(b)(1)(A)(vi) (Complete Part II)
8	☐	A community trust described in Section 170(b)(1)(A)(vi) (Complete Part II)
9	☐	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 exempt 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). (Complete Part III)
10	☐	An organization organized and operated exclusively to test for public safety See Section 509(a)(4). (See instructions)
11	☐	An organization organized and operated exclusively for the benefit of, to perform the functions of, or to carry out the purposes of one or more publicly supported organizations described in section 509(a)(1) or section 509(a)(2) See Section 509(a)(3). Check the box that describes the type of supporting organization and complete lines 11e through 11h a ☐ Type I b ☐ Type II c ☐ Type III - Functionally Integrated d ☐ Type III - Other
e	☐	By checking this box, I certify that the organization is not controlled directly or indirectly by one or more disqualified persons other than foundation managers and other than one or more publicly supported organizations described in section 509(a)(1) or section 509(a)(2)
f	☐	If the organization received a written determination from the IRS that it is a Type I, Type II or Type III supporting organization, check this box
g	☐	Since August 17, 2006, has the organization accepted any gift or contribution from any of the following persons? (i) a person who directly or indirectly controls, either alone or together with persons described in (ii) and (iii) below, the governing body of the the supported organization? (ii) a family member of a person described in (i) above? (iii) a 35% controlled entity of a person described in (i) or (ii) above?
h	☐	Provide the following information about the organizations the organization supports

	Yes	No
11g(i)		
11g(ii)		
11g(iii)		

(i) Name of Supported Organization	(ii) EIN	(iii) Type of organization (described on lines 1- 9 above or IRC section (See Instructions))	(iv) Is the organization in col (i) listed in your governing document?		(v) Did you notify the organization in col (i) of your support?		(vi) Is the organization in col (i) organized in the U S ?		(vii) Amount of support?
			Yes	No	Yes	No	Yes	No	
Total									

Part II

Support Schedule for Organizations Described in IRC 170(b)(1)(A)(iv) and 170(b)(1)(A)(vi)
(Complete only if you checked the box on line 5, 7, or 8 of Part I.)

Public Support						
Calendar year (or fiscal year beginning in)	(a) 2004	(b) 2005	(c) 2006	(d) 2007	(e) 2008	(f) Total
1 Gifts, grants, contributions, and membership fees received (Do not include any "unusual grants ")	8,534,747	11,386,873	12,694,687	12,667,470	12,262,129	57,545,906
2 Tax revenues levied for the organization's benefit and either paid to or expended on its behalf	0	0	0	0	0	0
3 The value of services or facilities furnished by a governmental unit to the organization without charge	0	0	0	0	0	0
4 Total. Add line 1-3	8,534,747	11,386,873	12,694,687	12,667,470	12,262,129	57,545,906
5 The portion of total contribution by each person (other than a government unit or publicly supported organization) included on line 1 that exceed 2% of the amount shown on line 11, column (f)						
6 Public Support subtract line 5 from line 4						57,545,906

Total Support						
Calendar year (or fiscal year beginning in)	(a) 2004	(b) 2005	(c) 2006	(d) 2007	(e) 2008	(f) Total
7 Amounts from line 4	8,534,747	452,758	12,694,687	12,667,470	12,262,129	57,545,906
8 Gross income from interest, dividends, payments received on securities loans, rents, royalties and income from similar sources	440,819	452,758	394,869	509,707	333,422	2,131,575
9 Net income from unrelated business activities, whether or not the business is regularly carried on	0	0	0	0	0	0
10 Other income Do not include gain or loss from the sale of capital assets (Explain in Part IV)	153,617	167,745	152,875	152,875	172,928	800,040
11 Total Support (Add lines 7 through 10)						60,477,521
12 Gross receipts from related activities, etc (See instructions)					12	0
13 First Five Years. If the Form 990 is for the organization's first, second, third, fourth, or fifth tax year as a 501(c)(3) organization, check this box and stop here						

Computation of Public Support Percentage		
14 Public Support Percentage for 2008 (line 6 column (f) divided by line 11 column (f))	14	95.153 %
15 Public Support Percentage for 2007 Schedule A, Part IV-A, line 26f	15	95.08 %
16a 33 1/3% Test - 2008. If the organization did not check the box on line 13, and line 14 is 33 1/3% or more, check this box and stop here. The organization qualifies as a publicly supported organization		
b 33 1/3% Test - 2007. If the organization did not check the box on line 13 or 16a, and line 15 is 33 1/3% or more, check this box and stop here. The organization qualifies as a publicly supported organization		
17a 10% Facts and Circumstances Test - 2008. If the organization did not check a box on line 13, 16a, or 16b and line 14 is 10% or more, and if the organization meets the "facts and circumstances" test, check this box and stop here. Explain in Part IV how the organization meets the "facts and circumstances" test The organization qualifies as a publicly supported organization		
b 10% Facts and Circumstances Test - 2007. If the organization did not check a box on line 13, 16a, 16b, or 17a and line 15 is 10% or more, and if the organization meets the "facts and circumstances" test, check this box and stop here. Explain in Part IV how the organization meets the "facts and circumstances" test The organization qualifies as a publicly supported organization		
18 Private Foundation. If the organization did not check the box on line 13, 16a, 16b, 17a or 17b, check this box and see instructions		

Part IIISupport Schedule for Organizations Described in IRC 509(a)(2)
(Complete only if you checked the box on line 9 of Part I.)

Section A. Public Support						
Calendar year (or fiscal year beginning in)	(a) 2004	(b) 2005	(c) 2006	(d) 2007	(e) 2008	(f) Total
1Gifts, grants, contributions, and membership fees received (Do not include any "unusual grants ")						
2Gross receipts from admissions, merchandise sold or services performed, or facilities furnished in any activity that is related to the organization's tax-exempt purpose						
3Gross receipts from activities that are not an unrelated trade or business under section 513						
4Tax revenues levied for the organization's benefit and either paid to or expended on its behalf						
5The value of services or facilities furnished by a governmental unit to the organization without charge						
6Total Add lines 1-5						
7aAmounts included on lines 1, 2, and 3 received from disqualified persons						
bAmounts included on lines 2 and 3 received from other than disqualified persons that exceed the greater of 1% of the total of lines 9, 10c, 11, and 12 for the year or \$5,000						
cTotal of lines 7a and 7b						
8Public Support (Subtract line 7c from line 6)						

Total Support						
Calendar year (or fiscal year beginning in)	(a) 2004	(b) 2005	(c) 2006	(d) 2007	(e) 2008	(f) Total
9Amounts from line 6						
10aGross income from interest, dividends, payments received on securities loans, rents, royalties and income from similar sources						
bUnrelated business taxable income (less section 511 taxes) from businesses acquired after 30 June, 1975						
cAdd lines 10a and 10b						
11Net income from unrelated business activities not included in line 10b, whether or not the business is regularly carried on						
12Other income Do not include gain or loss from the sale of capital assets (Explain in Part IV)						
13Total Support (Add lines 9, 10c, 11 and 12)						
14First Five Years If the Form 990 is for the organization's first, second, third, fourth, or fifth tax year as a 501(c)(3) organization, check this box and stop here						

Computation of Public Support Percentage		
15Public Support Percentage for 2008 (line 8 column (f) divided by line 13 column (f))	15	
16Public Support Percentage for 2007 Schedule A, Part IV -A, line 27g	16	

Computation of Investment Income Percentage		
17Investment Income Percentage for 2008 (line 10c column (f) divided by line 13 column (f))	17	
18Investment Income Percentage from 2007 Schedule A, Part IV -A, line 27h	18	
19a33 1/3% Tests - 2008. If the organization did not check the box on line 14, and line 15 is more than 33 1/3%, and line 17 is not more than 33 1/3%, check this box and stop here. The organization qualifies as a publicly supported organization		
b33 1/3% Tests - 2007. If the organization did not check a box on line 14 or line 19a, and line 16 is more than 33 1/3% and line 18 is not more than 33 1/3%, check this box and stop here. The organization qualifies as a publicly supported organization		
20Private Foundation If the organization did not check a box on line 14, 19a or 19b, check this box and see instructions		

Part IV

Supplemental Information. Complete this part to provide the information required by Part II, line 10; Part II, line 17a or 17b, or Part III, line 12. Provide and any other additional information. (see instructions)

Facts and Circumstances Test
VISITING SCIENTISTS QUARTERS LODGING AND LOGO WEAR SALES

SCHEDULE D
(Form 990)

Supplemental Financial Statements

OMB No 1545-0047

2008

Open to Public Inspection

Name of the organization
CALIFORNIA ASSOCIATION FOR RESEARCH IN ASTRONOMY

Employer identification number
95-3972799

Part I

Organizations Maintaining Donor Advised Funds or Other Similar Funds or Accounts. Complete if the organization answered "Yes" to Form 990, Part IV, line 6.

	(a) Donor advised funds	(b) Funds and other accounts
1	Total number at end of year	
2	Aggregate contributions to (during year)	
3	Aggregate grants from (during year)	
4	Aggregate value at end of year	
5	Did the organization inform all donors and donor advisors in writing that the assets held in donor advised funds are the organization's property, subject to the organization's exclusive legal control? ☐ Yes☐ No	
6	Did the organization inform all grantees, donors, and donor advisors in writing that grant funds may be used only for charitable purposes and not for the benefit of the donor or donor advisor or other impermissible private benefit? ☐ Yes☐ No	

Part II

Conservation Easements. Complete if the organization answered "Yes" to Form 990, Part IV, line 7.

1

Purpose(s) of conservation easements held by the organization (check all that apply)

☐ Preservation of land for public use (e g , recreation or pleasure)☐ Preservation of an historically importantly land area☐ Protection of natural habitat☐ Preservation of certified historic structure☐ Preservation of open space

2

Complete lines 2a–2d if the organization held a qualified conservation contribution in the form of a conservation easement on the last day of the tax year

	Held at the End of the Year
a	Total number of conservation easements
b	Total acreage restricted by conservation easements
c	Number of conservation easements on a certified historic structure included in (a)
d	Number of conservation easements included in (c) acquired after 8/17/06

3

Number of conservation easements modified, transferred, released, extinguished, or terminated by the organization during the taxable year ▶

4

Number of states where property subject to conservation easement is located ▶

5

Does the organization have a written policy regarding the periodic monitoring, inspection, violations, and enforcement of the conservation easements it holds?

☐ Yes☐ No

6

Staff or volunteer hours devoted to monitoring, inspecting and enforcing easements during the year ▶

7

Amount of expenses incurred in monitoring, inspecting, and enforcing easements during the year ▶ \$

8

Does each conservation easement reported on line 2(d) above satisfy the requirements of section 170(h)(4)(B)(i) and 170(h)(4)(B)(ii)?

☐ Yes☐ No

9

In Part XIV, describe how the organization reports conservation easements in its revenue and expense statement, and balance sheet, and include, if applicable, the text of the footnote to the organization’s financial statements that describes the organization’s accounting for conservation easements

Part III

Organizations Maintaining Collections of Art, Historical Treasures, or Other Similar Assets. Complete if the organization answered "Yes" to Form 990, Part IV, line 8.

1a

If the organization elected, as permitted under SFAS 116, not to report in its revenue statement and balance sheet works of art, historical treasures, or other similar assets held for public exhibition, education or research in furtherance of public service, provide, in Part XIV, the text of the footnote to its financial statements that describes these items

b

If the organization elected, as permitted under SFAS 116, to report in its revenue statement and balance sheet works of art, historical treasures, or other similar assets held for public exhibition, education, or research in furtherance of public service, provide the following amounts relating to these items

(i) Revenues included in Form 990, Part VIII, line 1▶ \$

(ii) Assets included in Form 990, Part X▶ \$

2

If the organization received or held works of art, historical treasures, or other similar assets for financial gain, provide the following amounts required to be reported under SFAS 116 relating to these items

a

Revenues included in Form 990, Part VIII, line 1▶ \$

b

Assets included in Form 990, Part X▶ \$

Part III

Organizations Maintaining Collections of Art, Historical Treasures, or Other Similar Assets (continued)

3

Using the organization's accession and other records, check any of the following that are a significant use of its collection items (check all that apply)

a

☐ Public exhibition

b

☐ Scholarly research

c

☐ Preservation for future generations

d

☐ Loan or exchange programs

e

☐ Other

4

Provide a description of the organization's collections and explain how they further the organization's exempt purpose in Part XIV

5

During the year, did the organization solicit or receive donations of art, historical treasures or other similar assets to be sold to raise funds rather than to be maintained as part of the organization's collection?

☐ Yes

☐ No

Part IV

Trust, Escrow and Custodial Arrangements. Complete if the organization answered "Yes" to Form 990, Part IV, line 9, or reported an amount on Form 990, Part X, line 21.

1a

Is the organization an agent, trustee, custodian or other intermediary for contributions or other assets not included on Form 990, Part X?

☐ Yes

☐ No

b

If "Yes," explain why in Part XIV and complete the following table

c

Beginning balance

d

Additions during the year

e

Distributions during the year

f

Ending balance

	Amount
1c	
1d	
1e	
1f	

2a

Did the organization include an amount on Form 990, Part X, line 21?

☐ Yes

☐ No

b

If "Yes," explain the arrangement in Part XIV

Part V

Endowment Funds. Complete if the organization answered "Yes" to Form 990, Part IV, line 10.

	(a)Current Year	(b)Prior Year	(c)Two Years Back	(d)Three Years Back	(e)Four Years Back
1a Beginning of year balance					
b Contributions					
c Investment earnings or losses					
d Grants or scholarships					
e Other expenditures for facilities and programs					
f Administrative expenses					
g End of year balance					

2

Provide the estimated percentage of the year end balance held as

a

Board designated or quasi-endowment ▶

b

Permanent endowment ▶

c

Term endowment ▶

3a

Are there endowment funds not in the possession of the organization that are held and administered for the organization by

(i) unrelated organizations

3a(i)

Yes

No

(ii) related organizations

3a(ii)

Yes

No

b

If "Yes" to 3a(ii), are the related organizations listed as required on Schedule R?

3b

Yes

No

4

Describe in Part XIV the intended uses of the organization's endowment funds

Part VI

Investments—Land, Buildings, and Equipment. See Form 990, Part X, line 10.

Description of investment	(a) Cost or other basis (investment)	(b)Cost or other basis (other)	(c) Depreciation	(d) Book value
1a Land	0	0		0
b Buildings	0	0	0	0
c Leasehold improvements	0	0	0	0
d Equipment	0	129,096,598	41,148,935	87,947,663
e Other	0	0	0	0
Total. Add lines 1a-1e (Column (d) should equal Form 990, Part X, column (B), line 10(c).) ▶				87,947,663

Schedule D (Form 990) 2008

(a) Description of security or category (including name of security)	(b) Book value	(c) Method of valuation Cost or end-of-year market value
Financial derivatives and other financial products		
Closely-held equity interests		
Total. (Column (b) should equal Form 990, Part X, col (B) line 12) ▶		

(a) Description of investment type	(b) Book value	(c) Method of valuation Cost or end-of-year market value
Total. (Column (b) should equal Form 990, Part X, col (B) line 13)		

(a) Description	(b) Book value
Total. (Column (b) should equal Form 990, Part X, col.(B) line 15.)	

(a) Description of Liability	(b) Amount
Federal Income Taxes	
Total. (Column (b) should equal Form 990, Part X, col (B) line 25)	

Schedule D (Form 990) 2008

Part XIReconciliation of Change in Net Assets from Form 990 to Financial Statements		
1	Total revenue (Form 990, Part VIII, column (A), line 12)	121,454,582
2	Total expenses (Form 990, Part IX, column (A), line 25)	218,720,536
3	Excess or (deficit) for the year Subtract line 2 from line 1	32,734,046
4	Net unrealized gains (losses) on investments	0
5	Donated services and use of facilities	0
6	Investment expenses	0
7	Prior period adjustments	0
8	Other (Describe in Part XIV)	0
9	Total adjustments (net) Add lines 4 - 8	0
10	Excess or (deficit) for the year per financial statements Combine lines 3 and 9	102,734,046

Part XIIReconciliation of Revenue per Audited Financial Statements With Revenue per Return		
1	Total revenue, gains, and other support per audited financial statements	122,258,131
2	Amounts included on line 1 but not on Form 990, Part VIII, line 12	
a	Net unrealized gains on investments2a0	
b	Donated services and use of facilities2b0	
c	Recoveries of prior year grants2c0	
d	Other (Describe in Part XIV)2d0	
e	Add lines 2a through 2d	2e0
3	Subtract line 2e from line 1	322,258,131
4	Amounts included on Form 990, Part VIII, line 12, but not on line 1	
a	Investment expenses not included on Form 990, Part VIII, line 7b4a0	
b	Other (Describe in Part XIV)4b-803,549	
c	Add lines 4a and 4b	4c-803,549
5	Total Revenue Add lines 3 and 4c. (This should equal Form 990, Part I, line 12)	521,454,582

Part XIIIReconciliation of Expenses per Audited Financial Statements With Expenses per Return		
1	Total expenses and losses per audited financial statements	118,529,758
2	Amounts included on line 1 but not on Form 990, Part IX, line 25	
a	Donated services and use of facilities2a0	
b	Prior year adjustments2b0	
c	Losses reported on Form 990, Part IX, line 252c0	
d	Other (Describe in Part XIV)2d0	
e	Add lines 2a through 2d	2e0
3	Subtract line 2e from line 1	318,529,758
4	Amounts included on Form 990, Part IX, line 25, but not on line 1:	
a	Investment expenses not included on Form 990, Part VIII, line 7b4a461	
b	Other (Describe in Part XIV)4b190,317	
c	Add lines 4a and 4b	4c190,778
5	Total expenses Add lines 3 and 4c. (This should equal Form 990, Part I, line 18)	518,720,536

Part XIVSupplemental Information		
Complete this part to provide the descriptions required for Part II, lines 3, 5, and 9, Part III, lines 1a and 4, Part IV, lines 1b and 2b, Part V, line 4, Part X, Part XI, line 8, Part XII, lines 2d and 4b, and Part XIII, lines 2d and 4b		
SchD_P06_S00_L01b	Schedule D, Part VI, Line 1b	Observatory structures, telescopes and its Waimea headquarters land are owned by the California Institute of Technology and are not listed as CARA financial assets
SchD_P12_S00_L04b	Schedule D, Part XII, Line 4b	TEMPORARILY RESTRICTED CONTRIBUTIONS AND INTEREST EARNINGS, 229,234 VSQ SCIENTIST LODGING AND MISC REVENUE, 172,928 SATISFACTION OF EQUIPMENT RESTRICTIONS, -1,223,562
SchD_P13_S00_L04b	Schedule D, Part XIII, Line 4b	GAIN ON FLEET VEHICLE SALES, 17,390 VSQ LODGING AND MISC REVENUE, 172,928

Schedule J
(Form 990)

Department of the Treasury
Internal Revenue Service

Compensation Information

For certain Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees

► Attach to Form 990. To be completed by organizations that answered "Yes" to Form 990, Part IV, line 23.

OMB No 1545-0047

2008

Open to Public Inspection

Name of the organization
CALIFORNIA ASSOCIATION FOR RESEARCH IN ASTRONOMY

Employer identification number
95-3972799

Part I

Questions Regarding Compensation

	Yes	No
1a Check the appropriate box(es) if the organization provided any of the following to or for a person listed in Form 990, Part VII, Section A, line 1a Complete Part III to provide any relevant information regarding these items ☐ First class or charter travel ☐ Travel for companions ☐ Tax idemnification and gross-up payments ☐ Discretionary spending account ☒ Housing allowance or residence for personal use ☐ Payments for business use of personal residence ☐ Health or social club dues or initiation fees ☐ Personal services (e g , maid, chauffeur, chef)		
b If line 1a is checked, did the organization follow a written policy regarding payment or reimbursement or provision of all the expenses described above? If "No," complete Part III to explain		No
2 Did the organization require substantiation prior to reimbursing or allowing expenses incurred by all officers, directors, trustees, and the CEO/Executive Director, regarding the items checked in line 1a?		No
3 Indicate which, if any, of the following the organization uses to establish the compensation of the organization's CEO/Executive Director Check all that apply ☐ Compensation committee ☐ Independent compensation consultant ☐ Form 990 of other organizations ☒ Written employment contract ☒ Compensation survey or study ☒ Approval by the board or compensation committee		
4 During the year, did any person listed in Form 990, Part VII, Section A, line 1a		
a Receive a severance payment or change of control payment?		No
b Participate in, or receive payment from, a supplemental nonqualified retirement plan?		No
c Participate in, or receive payment from, an equity-based compensation arrangement? If "Yes" to any of lines 4a-c, list the persons and provide the applicable amounts for each item in Part III		No
501(c)(3) and 501(c)(4) organizations only must complete lines 5-8.		
5 For persons listed in form 990, Part VII, Section A, line 1a, did the organization pay or accrue any compensation contingent on the revenues of		
a The organization?		No
b Any related organization? If "Yes," to line 5a or 5b, describe in Part III		No
6 For persons listed in form 990, Part VII, Section A, line 1a, did the organization pay or accrue any compensation contingent on the net earnings of		
a The organization?		No
b Any related organization? If "Yes," to line 6a or 6b, describe in Part III		No
7 For persons listed in form 990, Part VII, Section A, line 1a, did the organization provide any non-fixed payments not described in lines 5 and 6? If "Yes," describe in Part III		No
8 Were any amounts reported in Form 990, Part VII, paid or accrued pursuant to a contract that was subject to the initial contract exception described in Regs section 53.4958-4(a)(3)? If "Yes," describe in Part III		No

Part II

Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees. Use Schedule J-1 if additional space needed.

For each individual whose compensation must be reported in Schedule J, report compensation from the organization on row (i) and from related organizations described in the instructions on row (ii) Do not list any individuals that are not listed on Form 990, Part VII

Note. The sum of columns (B)(i)-(iii) must equal the applicable column (D) or column (E) amounts on Form 990, Part VII, line 1a

(A) Name		(B) Breakdown of W-2 and/or 1099-MISC compensation			(C) Deferred compensation	(D) Nontaxable benefits	(E) Total of columns (B)(i)-(D)	(F) Compensation reported in prior Form 990 or Form 990-EZ
		(i) Base compensation	(ii) Bonus & incentive compensation	(iii) Other compensation				
Dr Taft Armandroff	(i)	207,560	0	28,663	21,291	21,015	278,529	0
	(ii)	0	0	0	0	0	0	0
Mr Hilton Lewis	(i)	191,566	0	0	19,527	20,173	231,266	0
	(ii)	0	0	0	0	0	0	0
Dr Peter Wizinowich	(i)	150,269	2,000	8,829	15,490	19,577	196,165	0
	(ii)	0	0	0	0	0	0	0
Mr Richard Matsuda	(i)	132,016	1,000	24,681	13,476	19,443	190,616	0
	(ii)	0	0	0	0	0	0	0
Mr Kevin McCann	(i)	142,977	0	8,663	14,601	19,389	185,630	0
	(ii)	0	0	0	0	0	0	0
Mr Kevin Tsubota	(i)	119,664	0	26,000	9,664	19,211	174,539	0
	(ii)	0	0	0	0	0	0	0
Mr Dennis McBride	(i)	129,968	2,000	0	18,087	12,806	162,861	0
	(ii)	0	0	0	0	0	0	0
Ms Margarita Scheffel	(i)	127,983	2,000	0	13,331	15,659	158,973	0
	(ii)	0	0	0	0	0	0	0
Mr Eric Johansson	(i)	120,403	0	8,663	9,662	18,936	157,664	0
	(ii)	0	0	0	0	0	0	0
	(ii)							
	(i)							
	(ii)							
	(i)							
	(ii)							
	(i)							
	(ii)							
	(i)							

Software ID: 08000095

Software Version: v1.00

EIN: 95-3972799

Name: CALIFORNIA ASSOCIATION FOR RESEARCH IN ASTRONOMY

Form 990, Schedule J, Part II - Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees

(A) Name		(B) Breakdown of W-2 and/or 1099-MISC compensation			(C) Deferred compensation	(D) Nontaxable benefits	(E) Total of columns (B)(i)-(D)	(F) Compensation reported in prior Form 990 or Form 990-EZ
		(i) Base Compensation	(ii) Bonus & incentive compensation	(iii) Other compensation				
Dr Taft Armandroff	(i)	207,560	0	28,663	21,291	21,015	278,529	0
	(ii)	0	0	0	0	0	0	0
Mr Hilton Lewis	(i)	191,566	0	0	19,527	20,173	231,266	0
	(ii)	0	0	0	0	0	0	0
Dr Peter Wizinowich	(i)	150,269	2,000	8,829	15,490	19,577	196,165	0
	(ii)	0	0	0	0	0	0	0
Mr Richard Matsuda	(i)	132,016	1,000	24,681	13,476	19,443	190,616	0
	(ii)	0	0	0	0	0	0	0
Mr Kevin McCann	(i)	142,977	0	8,663	14,601	19,389	185,630	0
	(ii)	0	0	0	0	0	0	0
Mr Kevin Tsubota	(i)	119,664	0	26,000	9,664	19,211	174,539	0
	(ii)	0	0	0	0	0	0	0
Mr Dennis McBride	(i)	129,968	2,000	0	18,087	12,806	162,861	0
	(ii)	0	0	0	0	0	0	0
Ms Margarita Scheffel	(i)	127,983	2,000	0	13,331	15,659	158,973	0
	(ii)	0	0	0	0	0	0	0
Mr Eric Johansson	(i)	120,403	0	8,663	9,662	18,936	157,664	0
	(ii)	0	0	0	0	0	0	0

SCHEDULE O
(Form 990)

Department of the Treasury
Internal Revenue Service

Supplemental Information to Form 990

OMB No 1545-0047

2008

Open to Public Inspection

Name of the organization
CALIFORNIA ASSOCIATION FOR RESEARCH IN ASTRONOMY

Employer identification number
95-3972799

Identifier	Return Reference	Explanation
F990_P01_S00_L19	Form 990, Part I, Line 19	Total revenue less expenses for CARA represents primarily the net change in fixed assets each year

Identifier	Return Reference	Explanation
F990_P06_S0A_L02	Form 990, Part VI, Section A, Line 2	The University of California and California Institute of Technology staff comprise the 6 voting members of the CARA Board with 3 from each institution. All board members, including the non-voting Board Secretary, are employees of these respective institutions.

Identifier	Return Reference	Explanation
F990_P06_S0A_L10	Form 990, Part VI, Section A, Line 10	Annually before the IRS Form 990 is submitted to the IRS, WMKO management will distribute a reviewed and approved copy to the full Board indicating who prepared it, reviewed it and will sign it for filing along with the date it's required to be filed and when it will be filed.

Identifier	Return Reference	Explanation
F990_P06_S0B_L13	Form 990, Part VI, Section B, Line 13	Hawaii state labor laws require posting of the Whistleblower Protection Law notice which outlines a standard whistleblower process in the Hawaii labor law posters posted for all employees to read within the workplace.

Identifier	Return Reference	Explanation
F990_P06_S0C_L19	Form 990, Part VI, Section C, Line 19	Governance documents and conflict of interest are made available upon request. Financial statements in the form of an annual audit are published on our website.

Identifier	Return Reference	Explanation
F990_P10_S00_L19	Form 990, Part X, Line 19	Advances from the Regents of the University of California and the Association of Universities for Research in Astronomy for operations and instrument fabrication respectively.