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Form 990

Return of Organization Exempt From Income Tax

OMB No. 1545-0047

2020

Open to Public Inspection

Under section 501(c), 527, or 4947(a)(1) of the Internal Revenue Code (except private foundations)

Do not enter social security numbers on this form as it may be made public.

Go to www.irs.gov/Form990 for instructions and the latest information.

A For the 2020 calendar year, or tax year beginning 10-01-2020 , and ending 09-30-2021

B Check if applicable:
☐ Address change
☐ Name change
☐ Initial return
☐ Final return/terminated
☐ Amended return
☐ Application pending

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) Room/suite
65-1120 MAMALAHOA HWY
City or town, state or province, country, and ZIP or foreign postal code
KAMUELA, HI 96743
F Name and address of principal officer:
NATHAN BROSTROM
65-1120 MAMALAHOA HWY
KAMUELA, HI 96743

D Employer identification number
95-3972799
E Telephone number
(808) 885-7887
G Gross receipts \$ 25,687,620

H(a) Is this a group return for subordinates?
H(b) Are all subordinates included?
H(c) Group exemption number

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

J Website: WWW.KECKOBSERVATORY.ORG

K Form of organization: ☒ Corporation ☐ Trust ☐ Association ☐ Other

L Year of formation: 1985

M State of legal domicile: CA

Part I Summary

Activities & Governance

1 Briefly describe the organization's mission or most significant activities:
SEE SCHEDULE O

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

3 Number of voting members of the governing body (Part VI, line 1a) 3 6

4 Number of independent voting members of the governing body (Part VI, line 1b) 4 6

5 Total number of individuals employed in calendar year 2020 (Part V, line 2a) 5 160

6 Total number of volunteers (estimate if necessary) 6 26

7a Total unrelated business revenue from Part VIII, column (C), line 12 7a 0

7b Net unrelated business taxable income from Form 990-T, line 39 7b 0

Revenue

8 Contributions and grants (Part VIII, line 1h) 8 9,718,764

9 Program service revenue (Part VIII, line 2g) 9 20,673,775

10 Investment income (Part VIII, column (A), lines 3, 4, and 7d) 10 -280,012

11 Other revenue (Part VIII, column (A), lines 5, 6d, 8c, 9c, 10c, and 11e) 11 153

12 Total revenue—add lines 8 through 11 (must equal Part VIII, column (A), line 12) 12 30,112,680

13 Grants and similar amounts paid (Part IX, column (A), lines 1–3) 13 5,156,330

14 Benefits paid to or for members (Part IX, column (A), line 4) 14 0

15 Salaries, other compensation, employee benefits (Part IX, column (A), lines 5–10) 15 16,279,385

16a Professional fundraising fees (Part IX, column (A), line 11e) 16a 0

16b Total fundraising expenses (Part IX, column (D), line 25) 755,002

17 Other expenses (Part IX, column (A), lines 11a–11d, 11f–24e) 17 6,669,344

18 Total expenses. Add lines 13–17 (must equal Part IX, column (A), line 25) 18 28,105,059

19 Revenue less expenses. Subtract line 18 from line 12 19 2,007,621

Net Assets or Fund Balances

20 Total assets (Part X, line 16) 20 78,030,998

21 Total liabilities (Part X, line 26) 21 7,528,679

22 Net assets or fund balances. Subtract line 21 from line 20 22 70,502,319

Part II Signature Block

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.

Sign Here

Signature of officer
NATHAN BROSTROM TREASURER

2022-08-05
Date

Paid Preparer Use Only

Print/Type preparer's name
Firm's name
Firm's address

Preparer's signature
KKDLY LLC
745 FORT ST STE 2100
HONOLULU, HI 96813

Date
2022-08-02

Check ☐ if self-employed

PTIN
P01236169

Firm's EIN
99-0292355

Phone no.
(808) 521-3962

May the IRS discuss this return with the preparer shown above? (see instructions)

☐ Yes ☒ No

For Paperwork Reduction Act Notice, see the separate instructions.

Cat. No. 11282Y

Form 990 (2020)

Part III Statement of Program Service AccomplishmentsCheck if Schedule O contains a response or note to any line in this Part III ☐ ☒**1** Briefly describe the organization's mission:

SEE SCHEDULE O

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 organization's program service accomplishments for each of its three largest program services, as measured by expenses. Section 501(c)(3) and 501(c)(4) organizations 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 \$ 22,958,468 including grants of \$ 4,293,623) (Revenue \$ 20,903,428)
See Additional Data

4b (Code:) (Expenses \$ 144,336 including grants of \$) (Revenue \$)
See Additional Data

4c (Code:) (Expenses \$ 140,141 including grants of \$) (Revenue \$)
See Additional Data

4d Other program services (Describe in Schedule O.)
(Expenses \$ including grants of \$) (Revenue \$)

4e Total program service expenses ► 23,242,945

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)? If "Yes," complete Schedule A 	1 Yes	
2 Is the organization required to complete Schedule B, Schedule of Contributors (see instructions)? 	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? If "Yes," complete Schedule C, Part I 	3	No
4 Section 501(c)(3) organizations. Did the organization engage in lobbying activities, or have a section 501(h) election in effect during the tax year? If "Yes," complete Schedule C, Part II 	4 Yes	
5 Is the organization a section 501(c)(4), 501(c)(5), or 501(c)(6) organization that receives membership dues, assessments, or similar amounts as defined in Revenue Procedure 98-19? If "Yes," complete Schedule C, Part III 	5	No
6 Did the organization maintain any donor advised funds or any similar funds or accounts for which donors have the right to provide advice on the distribution or investment of amounts in such funds or accounts? If "Yes," complete Schedule D, Part 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? If "Yes," complete Schedule D, Part II 	7	No
8 Did the organization maintain collections of works of art, historical treasures, or other similar assets? If "Yes," complete Schedule D, Part III 	8	No
9 Did the organization report an amount in Part X, line 21 for escrow or custodial account liability; serve as a custodian for amounts not listed in Part X; or provide credit counseling, debt management, credit repair, or debt negotiation services? If "Yes," complete Schedule D, Part IV 	9	No
10 Did the organization, directly or through a related organization, hold assets in temporarily restricted endowments, permanent endowments, or quasi endowments? If "Yes," complete Schedule D, Part V	10	No
11 If the organization's answer to any of the following questions is "Yes," then complete Schedule D, Parts VI, VII, VIII, IX, or X as applicable.		
a Did the organization report an amount for land, buildings, and equipment in Part X, line 10? If "Yes," complete Schedule D, Part VI 	11a Yes	
b Did the organization report an amount for investments—other securities in Part X, line 12 that is 5% or more of its total assets reported in Part X, line 16? If "Yes," complete Schedule D, Part VII 	11b Yes	
c Did the organization report an amount for investments—program related in Part X, line 13 that is 5% or more of its total assets reported in Part X, line 16? If "Yes," complete Schedule D, Part VIII 	11c	No
d Did the organization report an amount for other assets in Part X, line 15 that is 5% or more of its total assets reported in Part X, line 16? If "Yes," complete Schedule D, Part IX 	11d	No
e Did the organization report an amount for other liabilities in Part X, line 25? If "Yes," complete Schedule D, Part X 	11e	No
f Did the organization's separate or consolidated financial statements for the tax year include a footnote that addresses the organization's liability for uncertain tax positions under FIN 48 (ASC 740)? If "Yes," complete Schedule D, Part X 	11f Yes	
12a Did the organization obtain separate, independent audited financial statements for the tax year? If "Yes," complete Schedule D, Parts XI and XII 	12a Yes	
b Was the organization included in consolidated, independent audited financial statements for the tax year? If "Yes," and if the organization answered "No" to line 12a, then completing Schedule D, Parts XI and XII is optional 	12b	No
13 Is the organization a school described in section 170(b)(1)(A)(ii)? If "Yes," complete Schedule E	13	No
14a Did the organization maintain an office, employees, or agents outside of the United States?	14a	No
b Did the organization have aggregate revenues or expenses of more than \$10,000 from grantmaking, fundraising, business, investment, and program service activities outside the United States, or aggregate foreign investments valued at \$100,000 or more? If "Yes," complete Schedule F, Parts I and IV 	14b Yes	
15 Did the organization report on Part IX, column (A), line 3, more than \$5,000 of grants or other assistance to or for any foreign organization? If "Yes," complete Schedule F, Parts II and IV 	15 Yes	
16 Did the organization report on Part IX, column (A), line 3, more than \$5,000 of aggregate grants or other assistance to or for foreign individuals? If "Yes," complete Schedule F, Parts III and IV 	16	No
17 Did the organization report a total of more than \$15,000 of expenses for professional fundraising services on Part IX, column (A), lines 6 and 11e? If "Yes," complete Schedule G, Part I (see instructions)	17	No
18 Did the organization report more than \$15,000 total of fundraising event gross income and contributions on Part VIII, lines 1c and 8a? If "Yes," complete Schedule G, Part II	18	No
19 Did the organization report more than \$15,000 of gross income from gaming activities on Part VIII, line 9a? If "Yes," complete Schedule G, Part III	19	No
20a Did the organization operate one or more hospital facilities? If "Yes," complete Schedule H	20a	No
b If "Yes" to line 20a, did the organization attach a copy of its audited financial statements to this return?	20b	
21 Did the organization report more than \$5,000 of grants or other assistance to any domestic organization or domestic government on Part IX, column (A), line 1? If "Yes," complete Schedule I, Parts I and II 	21 Yes	

Part IV Checklist of Required Schedules (continued)

		Yes	No
22	Did the organization report more than \$5,000 of grants or other assistance to or for domestic individuals on Part IX, column (A), line 2? If "Yes," complete Schedule I, Parts I and III	22	No
23	Did the organization answer "Yes" to Part VII, Section A, line 3, 4, or 5 about compensation of the organization's current and former officers, directors, trustees, key employees, and highest compensated employees? If "Yes," complete Schedule J	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? If "Yes," answer lines 24b through 24d and complete Schedule K. If "No," go to line 25a	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), 501(c)(4), and 501(c)(29) organizations. Did the organization engage in an excess benefit transaction with a disqualified person during the year? If "Yes," complete Schedule L, Part I	25a	No
b	Is the organization aware that it engaged in an excess benefit transaction with a disqualified person in a prior year, and that the transaction has not been reported on any of the organization's prior Forms 990 or 990-EZ? If "Yes," complete Schedule L, Part I	25b	No
26	Did the organization report any amount on Part X, line 5 or 22 for receivables from or payables to any current or former officer, director, trustee, key employee, creator or founder, substantial contributor, or 35% controlled entity or family member of any of these persons? If "Yes," complete Schedule L, Part II	26	No
27	Did the organization provide a grant or other assistance to any current or former officer, director, trustee, key employee, creator or founder, substantial contributor, or employee thereof, a grant selection committee member, or to a 35% controlled entity (including an employee thereof) or family member of any of these persons? If "Yes," complete Schedule L, Part III	27	No
28	Was the organization a party to a business transaction with one of the following parties (see Schedule L, Part IV instructions for applicable filing thresholds, conditions, and exceptions):		
a	A current or former officer, director, trustee, key employee, creator or founder, or substantial contributor? If "Yes," complete Schedule L, Part IV	28a	No
b	A family member of any individual described in line 28a? If "Yes," complete Schedule L, Part IV	28b	No
c	A 35% controlled entity of one or more individuals and/or organizations described in lines 28a or 28b? If "Yes," complete Schedule L, Part IV	28c	No
29	Did the organization receive more than \$25,000 in non-cash contributions? If "Yes," complete Schedule M	29	No
30	Did the organization receive contributions of art, historical treasures, or other similar assets, or qualified conservation contributions? If "Yes," complete Schedule M	30	No
31	Did the organization liquidate, terminate, or dissolve and cease operations? If "Yes," complete Schedule N, Part I	31	No
32	Did the organization sell, exchange, dispose of, or transfer more than 25% of its net assets? If "Yes," complete Schedule N, Part II	32	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? If "Yes," complete Schedule R, Part I	33	No
34	Was the organization related to any tax-exempt or taxable entity? If "Yes," complete Schedule R, Part II, III, or IV, and Part V, line 1	34	No
35a	Did the organization have a controlled entity within the meaning of section 512(b)(13)?	35a	No
b	If 'Yes' to line 35a, did the organization receive any payment from or engage in any transaction with a controlled entity within the meaning of section 512(b)(13)? If "Yes," complete Schedule R, Part V, line 2	35b	
36	Section 501(c)(3) organizations. Did the organization make any transfers to an exempt non-charitable related organization? If "Yes," complete Schedule R, Part V, line 2	36	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? If "Yes," complete Schedule R, Part VI	37	No
38	Did the organization complete Schedule O and provide explanations in Schedule O for Part VI, lines 11b and 19? Note. All Form 990 filers are required to complete Schedule O.	38	Yes

Part V Statements Regarding Other IRS Filings and Tax ComplianceCheck if Schedule O contains a response or note to any line in this Part V ☐

	Yes	No
1a Enter the number reported in Box 3 of Form 1096. Enter -0- if not applicable	1a	28
b Enter the number of Forms W-2G included in line 1a. Enter -0- if not applicable	1b	0
c Did the organization comply with backup withholding rules for reportable payments to vendors and reportable gaming (gambling) winnings to prize winners?	1c	Yes

Part V **Statements Regarding Other IRS Filings and Tax Compliance** (continued)

2a Enter the number of employees reported on Form W-3, Transmittal of Wage and Tax Statements, filed for the calendar year ending with or within the year covered by this return	2a 160			
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 (see instructions)		2b	Yes	
3a Did the organization have unrelated business gross income of \$1,000 or more during the year?		3a		No
b If "Yes," has it filed a Form 990-T for this year? If "No" to line 3b, 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 instructions for filing requirements for FinCEN Form 114, Report of Foreign Bank and Financial Accounts (FBAR).				
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 line 5a or 5b, did the organization file Form 8886-T?		5c		
6a Does the organization have annual gross receipts that are normally greater than \$100,000, and did the organization solicit any contributions that were not tax deductible as charitable contributions?		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 receive a payment in excess of \$75 made partly as a contribution and partly for goods and services provided to the payor?		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 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 If the organization received a contribution of qualified intellectual property, did the organization file Form 8899 as required?		7g		No
h If the organization received a contribution of cars, boats, airplanes, or other vehicles, did the organization file a Form 1098-C?		7h		No
8 Sponsoring organizations maintaining donor advised funds. Did a donor advised fund maintained by the sponsoring organization have excess business holdings at any time during the year?		8		
9 Sponsoring organizations maintaining donor advised funds.				
a Did the sponsoring organization make any taxable distributions under section 4966?		9a		
b Did the sponsoring 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?				
b If "Yes," enter the amount of tax-exempt interest received or accrued during the year.	12b			
13 Section 501(c)(29) qualified nonprofit health insurance issuers.				
a Is the organization licensed to issue qualified health plans in more than one state? Note. See the instructions for additional information the organization must report on Schedule O.		13a		
b Enter the amount of reserves the organization is required to maintain by the states in which the organization is licensed to issue qualified health plans	13b			
c Enter the amount of reserves on hand	13c			
14a Did the organization receive any payments for indoor tanning services during the tax year?		14a		No
b If "Yes," has it filed a Form 720 to report these payments? If "No," provide an explanation in Schedule O		14b		
15 Is the organization subject to the section 4960 tax on payment(s) of more than \$1,000,000 in remuneration or excess parachute payment(s) during the year? If "Yes," see instructions and file Form 720, Schedule N.		15		No
16 Is the organization an educational institution subject to the section 4968 excise tax on net investment income? If "Yes," complete Form 4720, Schedule O.		16		No

Part VI

Governance, Management, and Disclosure For each "Yes" response to lines 2 through 7b below, and for a "No" response to lines 8a, 8b, or 10b below, describe the circumstances, processes, or changes in Schedule O. See instructions.

Check if Schedule O contains a response or note to any line in this Part VI ☒

Section A. Governing Body and Management

		Yes	No
1a	Enter the number of voting members of the governing body at the end of the tax year	6	
	If there are material differences in voting rights among members of the governing body, or if the governing body delegated broad authority to an executive committee or similar committee, explain in Schedule O.		
b	Enter the number of voting members included in line 1a, above, who are independent	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?	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?		No
4	Did the organization make any significant changes to its governing documents since the prior Form 990 was filed?		No
5	Did the organization become aware during the year of a significant diversion of the organization's assets?		No
6	Did the organization have members or stockholders?		No
7a	Did the organization have members, stockholders, or other persons who had the power to elect or appoint one or more members of the governing body?		No
b	Are any governance decisions of the organization reserved to (or subject to approval by) members, stockholders, or persons other than the governing body?		No
8	Did the organization contemporaneously document the meetings held or written actions undertaken during the year by the following:		
a	The governing body?	Yes	
b	Each committee with authority to act on behalf of the governing body?	Yes	
9	Is there any officer, director, 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		No

Section B. Policies (This Section B requests information about policies not required by the Internal Revenue Code.)

		Yes	No
10a	Did the organization have local chapters, branches, or affiliates?		No
b	If "Yes," did the organization have written policies and procedures governing the activities of such chapters, affiliates, and branches to ensure their operations are consistent with the organization's exempt purposes?		
11a	Has the organization provided a complete copy of this Form 990 to all members of its governing body before filing the form?	Yes	
b	Describe in Schedule O the process, if any, used by the organization to review this Form 990.		
12a	Did the organization have a written conflict of interest policy? If "No," go to line 13	Yes	
b	Were officers, directors, or trustees, and key employees required to disclose annually interests that could give rise to conflicts?	Yes	
c	Did the organization regularly and consistently monitor and enforce compliance with the policy? If "Yes," describe in Schedule O how this was done	Yes	
13	Did the organization have a written whistleblower policy?		No
14	Did the organization have a written document retention and destruction policy?		No
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	Yes	
b	Other officers or key employees of the organization	Yes	
	If "Yes" to line 15a or 15b, 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?		No
b	If "Yes," did the organization follow a written policy or procedure requiring the organization to evaluate its participation in joint venture arrangements under applicable federal tax law, and take steps to safeguard the organization's exempt status with respect to such arrangements?		

Section C. Disclosure

17 List the states with which a copy of this Form 990 is required to be filed: CA, HI, WA, MD, AK

18 Section 6104 requires an organization to make its Form 1023 (or 1024-A if applicable), 990, and 990-T (501(c)(3)s only) available for public inspection. Indicate how you made these available. Check all that apply.
☐ Own website ☐ Another's website ☒ Upon request ☐ Other (explain in Schedule O)

19 Describe in Schedule O whether (and if so, how) the organization made its governing documents, conflict of interest policy, and financial statements available to the public during the tax year.

20 State the name, address, and telephone number of the person who possesses the organization's books and records:
 ► 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

Check if Schedule O contains a response or note to any line in this Part VII

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

1a Complete this table for all persons required to be listed. Report compensation for the calendar year ending with or within the organization's tax year.

- List all of the organization's **current** officers, directors, trustees (whether individuals or organizations), regardless of amount of compensation. Enter -0- in columns (D), (E), and (F) if no compensation was paid.
- List all of the organization's **current** key employees, if any. See instructions for definition of "key employee."
- 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.

See instructions for the order in which to list the persons above.

☐ Check this box if neither the organization nor any related organization compensated any current officer, director, or trustee.

(A) Name and title	(B) Average hours per week (list any hours for related organizations below dotted line)	(C) Position (do not check more than one box, unless person is both an officer and a director/trustee)						(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 trustee or director	Institutional Trustee	Officer	Key employee	Highest compensated employee	Former			
(1) DR B THOMAS SOIFER CHAIRMAN	2.00	X		X				0	0	0
(2) DR GEORGE BLUMENTHAL VICE-CHAIRMAN	2.00	X		X				0	0	0
(3) DR MICHAEL BROWN BOARD MEMBER	2.00	X						0	0	0
(4) DR FIONA HARRISON BOARD MEMBER	2.00	X						0	0	0
(5) DR CLAIRE MAX BOARD MEMBER	2.00	X						0	0	0
(6) DR JONAS ZMUIDZINAS BOARD MEMBER	2.00	X						0	0	0
(7) MR HILTON LEWIS OBSERVATORY DIRECTOR	45.00			X				347,165	0	71,130
(8) MR NATHAN BROSTROM CHIEF FINANCIAL OFFICER	1.00			X				0	0	0
(9) MS CAROL SCHUIL SECRETARY	4.00			X				40,687	0	0
(10) MR RICHARD MATSUDA CHIEF OF OPERATIONS	50.00				X			230,913	0	68,286
(11) DR PETER WIZINOWICH CHIEF OF TECHNICAL DEVELOP	45.00				X			219,714	0	61,013
(12) MS MARGARITA SCHEFFEL OBSERVATORY CFO	50.00				X			216,381	0	67,114
(13) DR JOHN O'MEARA CHIEF SCIENTIST	50.00				X			231,961	0	54,025
(14) MR JASON CHIN ENGINEERING MANAGER	40.00				X			193,625	0	50,423
(15) MR ED HARRIS CHIEF DEVELOPMENT OFFICER	45.00					X		217,658	0	54,333
(16) MR KEVIN MCCANN SOFTWARE ENINNERING MANAG	45.00					X		203,442	0	57,919
(17) MR DENNIS MCBRIDE PRINCIPAL ENGINEER	40.00					X		195,410	0	33,547

Part VII Section A. Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees (continued)

(A) Name and title	(B) Average hours per week (list any hours for related organizations below dotted line)	(C) Position (do not check more than one box, unless person is both an officer and a director/trustee)						(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 trustee or director	Institutional Trustee	Officer	Key employee	Highest compensated employee	Former			
(18) MR SAMUEL PARK SENIOR ENGINEER	40.00					X		175,596	0	45,407
(19) MR JOEL PAYNE SENIOR MECHANICAL ENGINEER	40.00					X		164,736	0	43,610
1b Sub-Total										
c Total from continuation sheets to Part VII, Section A										
d Total (add lines 1b and 1c)								2,437,288	0	606,807

2 Total number of individuals (including but not limited to those listed above) who received more than \$100,000 of reportable compensation from the organization **▶ 57**

	Yes	No
3 Did the organization list any former officer, director or trustee, key employee, or highest compensated employee on line 1a? <i>If "Yes," complete Schedule J for such individual</i>		No
4 For any individual listed on line 1a, is the sum of reportable compensation and other compensation from the organization and related organizations greater than \$150,000? <i>If "Yes," complete Schedule J for such individual</i>	Yes	
5 Did any person listed on line 1a receive or accrue compensation from any unrelated organization or individual for services rendered to the organization? <i>If "Yes," complete Schedule J for such person</i>	Yes	

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. Report compensation for the calendar year ending with or within the organization's tax year.

(A) Name and business address	(B) Description of services	(C) Compensation
MAUNAKEA OBSERVATORY SUPPORT 177 MAKAALA STREET HILO, HI 96720 OMP INC	SUMMIT SUPPORT SERVICES AND LODGING	514,497
VIA WALTRAUD GEBERT DEEG 3/E BOLZANO 39100 IT	DESIGN AND FABRICATION OF LASER GUIDE ST	329,500
TOPTICA PROJECTS GMBH LOCHHAMER SCHLAG 19 GRAEFELFING, MUNICH 82166 GM	LASER DESIGN, FABRICATION, AND SUPPORT	116,449

2 Total number of independent contractors (including but not limited to those listed above) who received more than \$100,000 of compensation from the organization **▶ 3**

Form 990 (2020)		Page 9					
Part VIII		Statement of Revenue					
Check if Schedule O contains a response or note to any line in this Part VIII							
		(A) Total revenue	(B) Related or exempt function revenue	(C) Unrelated business revenue	(D) Revenue excluded from tax under sections 512 - 514		
Contributions, Gifts, Grants and Other Similar Amounts	1a	Federated campaigns	1a				
	b	Membership dues	1b				
	c	Fundraising events	1c				
	d	Related organizations	1d				
	e	Government grants (contributions)	1e	2,076,263			
	f	All other contributions, gifts, grants, and similar amounts not included above	1f	2,129,220			
	g	Noncash contributions included in lines 1a - 1f:\$	1g	17,384			
	h	Total. Add lines 1a-1f		4,205,483			
Program Service Revenue	2a	OBSERVATORY OPERATIONS	Business Code 541712	16,297,340	16,297,340		
	b	NASA COOPERATIVE AGREEMENT	541712	4,595,586	4,595,586		
	c	VISITING SCIENCE QUARTERS	541712	10,502	10,502		
	d	KECK LOGO MERCHANDISE	900099	898			898
	e						
	f	All other program service revenue.					
	g	Total. Add lines 2a-2f.		20,904,326			
Other Revenue	3	Investment income (including dividends, interest, and other similar amounts)		290,347			290,347
	4	Income from investment of tax-exempt bond proceeds					
	5	Royalties		216			216
	6a	Gross rents	(i) Real (ii) Personal				
	b	Less: rental expenses					
	c	Rental income or (loss)					
	d	Net rental income or (loss)					
	7a	Gross amount from sales of assets other than inventory	(i) Securities (ii) Other	16,971 44,363			
	b	Less: cost or other basis and sales expenses		17,383 0			
	c	Gain or (loss)		-412 44,363			
	d	Net gain or (loss)		43,951			43,951
	8a	Gross income from fundraising events (not including \$ of contributions reported on line 1c). See Part IV, line 18					
	b	Less: direct expenses					
	c	Net income or (loss) from fundraising events					
	9a	Gross income from gaming activities. See Part IV, line 19					
	b	Less: direct expenses					
	c	Net income or (loss) from gaming activities					
10a	Gross sales of inventory, less returns and allowances						
b	Less: cost of goods sold						
c	Net income or (loss) from sales of inventory						
Miscellaneous Revenue		Business Code					
11a	STATE ENERGY REBATE	900099	225,914			225,914	
b							
c							
d	All other revenue						
e	Total. Add lines 11a-11d		225,914				
12	Total revenue. See instructions		25,670,237	20,903,428	0	561,326	

Form 990 (2020)

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).

Check if Schedule O contains a response or note to any line in this Part IX ☐

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 domestic organizations and domestic governments. See Part IV, line 21	4,128,623	4,128,623		
2 Grants and other assistance to domestic individuals. See Part IV, line 22				
3 Grants and other assistance to foreign organizations, foreign governments, and foreign individuals. See Part IV, lines 15 and 16.	165,000	165,000		
4 Benefits paid to or for members				
5 Compensation of current officers, directors, trustees, and key employees	1,818,656	849,312	894,779	74,565
6 Compensation not included above, to disqualified persons (as defined under section 4958(f)(1)) and persons described in section 4958(c)(3)(B)				
7 Other salaries and wages	10,693,840	7,491,389	2,751,251	451,200
8 Pension plan accruals and contributions (include section 401 (k) and 403(b) employer contributions)	823,939	577,197	211,978	34,764
9 Other employee benefits	1,511,209	1,324,804	125,605	60,800
10 Payroll taxes	890,152	623,581	229,013	37,558
11 Fees for services (non-employees):				
a Management				
b Legal	33,673		33,673	
c Accounting	57,638		57,638	
d Lobbying	10,245	10,245		
e Professional fundraising services. See Part IV, line 17				
f Investment management fees				
g Other (If line 11g amount exceeds 10% of line 25, column (A) amount, list line 11g expenses on Schedule O)	1,121,752	742,681	365,790	13,281
12 Advertising and promotion	11,362	11,362		
13 Office expenses	116,826	54,535	57,831	4,460
14 Information technology	445,246	342,395	81,347	21,504
15 Royalties				
16 Occupancy	1,302,807	1,231,383	61,315	10,109
17 Travel	328,312	282,787	13,141	32,384
18 Payments of travel or entertainment expenses for any federal, state, or local public officials				
19 Conferences, conventions, and meetings	68,969	14,939	53,386	644
20 Interest	45,616	45,616		
21 Payments to affiliates				
22 Depreciation, depletion, and amortization	6,723,017	6,702,715	16,185	4,117
23 Insurance	83,616	52,931	29,852	833
24 Other expenses. Itemize expenses not covered above (List miscellaneous expenses in line 24e. If line 24e amount exceeds 10% of line 25, column (A) amount, list line 24e expenses on Schedule O.)				
a EQUIP RENTAL AND MAINTENANCE	759,609	734,520	18,796	6,293
b EQUIPMENT AND TOOLS	388,382	366,571	19,321	2,490
c INDIRECT COST RECOVERY	-124,672	1,836,786	-1,961,458	
d CAPITAL SUBCONTRACTS	-4,346,427	-4,346,427		
e All other expenses				
25 Total functional expenses. Add lines 1 through 24e	27,057,390	23,242,945	3,059,443	755,002
26 Joint costs. Complete this line only if the organization reported in column (B) joint costs from a combined educational campaign and fundraising solicitation. Check here ☐ if following SOP 98-2 (ASC 958-720).				

Part X Balance SheetCheck if Schedule O contains a response or note to any line in this Part IX ☐

				(A) Beginning of year		(B) End of year	
Assets	1	Cash—non-interest-bearing		4,799	1	600	
	2	Savings and temporary cash investments		10,626,760	2	5,724,192	
	3	Pledges and grants receivable, net		252,189	3	240,017	
	4	Accounts receivable, net		81,368	4	86,836	
	5	Loans and other payables to any current or former officer, director, trustee, key employee, creator or founder, substantial contributor, or 35% controlled entity or family member of any of these persons			5		
	6	Loans and other receivables from other disqualified persons (as defined under section 4958(f)(1)), and persons described in section 4958(c)(3)(B)			6		
	7	Notes and loans receivable, net			7		
	8	Inventories for sale or use			8		
	9	Prepaid expenses and deferred charges		812,162	9	945,189	
	10a	Land, buildings, and equipment: cost or other basis. Complete Part VI of Schedule D	10a	149,539,258			
	b	Less: accumulated depreciation	10b	103,807,877	44,427,509	10c	45,731,381
	11	Investments—publicly traded securities			11		
	12	Investments—other securities. See Part IV, line 11		21,826,211	12	28,340,872	
	13	Investments—program-related. See Part IV, line 11			13		
	14	Intangible assets			14		
	15	Other assets. See Part IV, line 11			15		
16	Total assets. Add lines 1 through 15 (must equal line 33)		78,030,998	16	81,069,087		
Liabilities	17	Accounts payable and accrued expenses		5,028,679	17	4,551,752	
	18	Grants payable			18		
	19	Deferred revenue			19		
	20	Tax-exempt bond liabilities			20		
	21	Escrow or custodial account liability. Complete Part IV of Schedule D			21		
	22	Loans and other payables to any current or former officer, director, trustee, key employee, creator or founder, substantial contributor, or 35% controlled entity or family member of any of these persons			22		
	23	Secured mortgages and notes payable to unrelated third parties			23		
	24	Unsecured notes and loans payable to unrelated third parties		2,500,000	24	2,500,000	
	25	Other liabilities (including federal income tax, payables to related third parties, and other liabilities not included on lines 17 - 24). Complete Part X of Schedule D			25		
	26	Total liabilities. Add lines 17 through 25		7,528,679	26	7,051,752	
Net Assets or Fund Balances	Organizations that follow FASB ASC 958, check here ☒ and complete lines 27, 28, 32, and 33.						
	27	Net assets without donor restrictions		62,279,493	27	69,041,992	
	28	Net assets with donor restrictions		8,222,826	28	4,975,343	
	Organizations that do not follow FASB ASC 958, check here ☐ and complete lines 29 through 33.						
	29	Capital stock or trust principal, or current funds			29		
	30	Paid-in or capital surplus, or land, building or equipment fund			30		
	31	Retained earnings, endowment, accumulated income, or other funds			31		
	32	Total net assets or fund balances		70,502,319	32	74,017,335	
33	Total liabilities and net assets/fund balances		78,030,998	33	81,069,087		

Part XI Reconciliation of Net AssetsCheck if Schedule O contains a response or note to any line in this Part XI ☐

1	Total revenue (must equal Part VIII, column (A), line 12)	1	25,670,237
2	Total expenses (must equal Part IX, column (A), line 25)	2	27,057,390
3	Revenue less expenses. Subtract line 2 from line 1	3	-1,387,153
4	Net assets or fund balances at beginning of year (must equal Part X, line 32, column (A))	4	70,502,319
5	Net unrealized gains (losses) on investments	5	4,902,169
6	Donated services and use of facilities	6	
7	Investment expenses	7	
8	Prior period adjustments	8	
9	Other changes in net assets or fund balances (explain in Schedule O)	9	0
10	Net assets or fund balances at end of year. Combine lines 3 through 9 (must equal Part X, line 32, column (B))	10	74,017,335

Part XII Financial Statements and ReportingCheck if Schedule O contains a response or note to any line in this Part XII ☒

	Yes	No
1 Accounting method used to prepare the Form 990: ☐ Cash ☒ Accrual ☐ Other _____ If the organization changed its method of accounting from a prior year or checked "Other," explain in Schedule O.		
2a Were the organization's financial statements compiled or reviewed by an independent accountant? If "Yes," check a box below to indicate whether the financial statements for the year were compiled or reviewed on a separate basis, consolidated basis, or both: ☐ Separate basis ☐ Consolidated basis ☐ Both consolidated and separate basis		No
b Were the organization's financial statements audited by an independent accountant? If "Yes," check a box below to indicate whether the financial statements for the year were audited on a separate basis, consolidated basis, or both: ☒ Separate basis ☐ Consolidated basis ☐ Both consolidated and separate basis	Yes	
c If "Yes," to line 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? If the organization changed either its oversight process or selection process during the tax year, explain in Schedule O.	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?	Yes	
b If "Yes," did the organization undergo the required audit or audits? If the organization did not undergo the required audit or audits, explain why in Schedule O and describe any steps taken to undergo such audits.	Yes	

Additional Data

Software ID:
Software Version:
EIN: 95-3972799
Name: CALIFORNIA ASSOCIATION FOR RESEARCH IN ASTRONOMY

Form 990 (2020)

Form 990, Part III, Line 4a:

SEE SCHEDULE O

Form 990, Part III, Line 4b:

PUBLIC INFORMATION: EACH YEAR, KECK OBSERVATORY SPONSORS DOZENS OF EDUCATION PROGRAMS AND PUBLIC LECTURES FOR HAWAII ISLAND FAMILIES, EDUCATORS, AND STUDENTS TO FOSTER A GREATER APPRECIATION OF SCIENCE AND ITS MANY CONTRIBUTIONS TO SOCIETY. ON A GLOBAL LEVEL, THE OBSERVATORY HAS A SUPPORT BASE OF MORE THAN 1,500 DONORS AND A SOCIAL MEDIA SUBSCRIBER FOLLOWING OF OVER 35,000 ASTRONOMY PROFESSIONALS AND ENTHUSIASTS. THE OBSERVATORY WELCOMES VISITORS TO ITS HEADQUARTERS FACILITY IN KAMUELA.

Form 990, Part III, Line 4c:

RESEARCH: KECK OBSERVATORY'S ACTIVITIES INCLUDE SUBMITTING GRANT PROPOSALS TO CARRY OUT SPECIFIC RESEARCH PROJECTS.

SCHEDULE A
(Form 990 or 990-EZ)

Department of the Treasury
Internal Revenue Service

Public Charity Status and Public Support

Complete if the organization is a section 501(c)(3) organization or a section 4947(a)(1) nonexempt charitable trust.
▶ Attach to Form 990 or Form 990-EZ.
▶ Go to www.irs.gov/Form990 for instructions and the latest information.

OMB No. 1545-0047

2020

Open to Public Inspection

Name of the organization
CALIFORNIA ASSOCIATION FOR RESEARCH IN ASTRONOMY

Employer identification number
95-3972799

Part I Reason for Public Charity Status (All organizations must complete this part.) See instructions.

The organization is not a private foundation because it is: (For lines 1 through 12, check only one box.)

- 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 (Form 990 or 990-EZ).)
- 3☐ A hospital or a cooperative hospital service organization described in **section 170(b)(1)(A)(iii).**
- 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 agricultural research organization described in **170(b)(1)(A)(ix)** operated in conjunction with a land-grant college or university or a non-land grant college of agriculture. See instructions. Enter the name, city, and state of the college or university:
- 10☐ 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.)
- 11☐ An organization organized and operated exclusively to test for public safety. See **section 509(a)(4).**
- 12☐ 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 in lines 12a through 12d that describes the type of supporting organization and complete lines 12e, 12f, and 12g.
- a☐ **Type I.** A supporting organization operated, supervised, or controlled by its supported organization(s), typically by giving the supported organization(s) the power to regularly appoint or elect a majority of the directors or trustees of the supporting organization. **You must complete Part IV, Sections A and B.**
- b☐ **Type II.** A supporting organization supervised or controlled in connection with its supported organization(s), by having control or management of the supporting organization vested in the same persons that control or manage the supported organization(s). **You must complete Part IV, Sections A and C.**
- c☐ **Type III functionally integrated.** A supporting organization operated in connection with, and functionally integrated with, its supported organization(s) (see instructions). **You must complete Part IV, Sections A, D, and E.**
- d☐ **Type III non-functionally integrated.** A supporting organization operated in connection with its supported organization(s) that is not functionally integrated. The organization generally must satisfy a distribution requirement and an attentiveness requirement (see instructions). **You must complete Part IV, Sections A and D, and Part V.**
- e☐ Check this box if the organization received a written determination from the IRS that it is a Type I, Type II, Type III functionally integrated, or Type III non-functionally integrated supporting organization.
- f Enter the number of supported organizations
- g Provide the following information about the supported organization(s).

(i) Name of supported organization	(ii) EIN	(iii) Type of organization (described on lines 1- 10 above (see instructions))	(iv) Is the organization listed in your governing document?		(v) Amount of monetary support (see instructions)	(vi) Amount of other support (see instructions)
			Yes	No		
Total						

Part II

Support Schedule for Organizations Described in Sections 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 or if the organization failed to qualify under Part III. If the organization failed to qualify under the tests listed below, please complete Part III.)

Section A. Public Support

Calendar year (or fiscal year beginning in) ▶	(a) 2016	(b) 2017	(c) 2018	(d) 2019	(e) 2020	(f) Total
1 Gifts, grants, contributions, and membership fees received. (Do not include any "unusual grant.") . . .	18,592,039	42,790,454	21,393,295	9,718,764	4,205,483	96,700,035
2 Tax revenues levied for the organization's benefit and either paid to or expended on its behalf						
3 The value of services or facilities furnished by a governmental unit to the organization without charge..						
4 Total. Add lines 1 through 3	18,592,039	42,790,454	21,393,295	9,718,764	4,205,483	96,700,035
5 The portion of total contributions by each person (other than a governmental unit or publicly supported organization) included on line 1 that exceeds 2% of the amount shown on line 11, column (f) . . .						5,484,203
6 Public support. Subtract line 5 from line 4.						91,215,832

Section B. Total Support

Calendar year (or fiscal year beginning in) ▶	(a) 2016	(b) 2017	(c) 2018	(d) 2019	(e) 2020	(f) Total
7 Amounts from line 4.	18,592,039	42,790,454	21,393,295	9,718,764	4,205,483	96,700,035
8 Gross income from interest, dividends, payments received on securities loans, rents, royalties and income from similar sources. . . .	222,766	384,967	474,812	345,161	290,347	1,718,053
9 Net income from unrelated business activities, whether or not the business is regularly carried on. . .						
10 Other income. Do not include gain or loss from the sale of capital assets (Explain in Part VI.). . . .	1,007	2,063	14,130	7,869	226,812	251,881
11 Total support. Add lines 7 through 10						98,669,969
12 Gross receipts from related activities, etc. (see instructions)					12	53,917,483
13 First 5 years. If the Form 990 is for the organization's first, second, third, fourth, or fifth tax year as a section 501(c)(3) organization, check this box and stop here ▶ ☐						

Section C. Computation of Public Support Percentage

14 Public support percentage for 2020 (line 6, column (f) divided by line 11, column (f))	14	92.450 %
15 Public support percentage for 2019 Schedule A, Part II, line 14	15	91.880 %
16a 33 1/3% support test—2020. 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% support test—2019. If the organization did not check a 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—2020. 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 VI how the organization meets the "facts-and-circumstances" test. The organization qualifies as a publicly supported organization ▶ ☐		
b 10%-facts-and-circumstances test—2019. 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 VI 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 a box on line 13, 16a, 16b, 17a, or 17b, check this box and see instructions ▶ ☐		

Part III Support Schedule for Organizations Described in Section 509(a)(2)

(Complete only if you checked the box on line 10 of Part I or if the organization failed to qualify under Part II. If the organization fails to qualify under the tests listed below, please complete Part II.)

Section A. Public Support

Calendar year (or fiscal year beginning in) ►	(a) 2016	(b) 2017	(c) 2018	(d) 2019	(e) 2020	(f) Total
1 Gifts, grants, contributions, and membership fees received. (Do not include any "unusual grants.") .						
2 Gross receipts from admissions, merchandise sold or services performed, or facilities furnished in any activity that is related to the organization's tax-exempt purpose						
3 Gross receipts from activities that are not an unrelated trade or business under section 513						
4 Tax revenues levied for the organization's benefit and either paid to or expended on its behalf. . .						
5 The value of services or facilities furnished by a governmental unit to the organization without charge						
6 Total. Add lines 1 through 5						
7a Amounts included on lines 1, 2, and 3 received from disqualified persons						
b Amounts included on lines 2 and 3 received from other than disqualified persons that exceed the greater of \$5,000 or 1% of the amount on line 13 for the year.						
c Add lines 7a and 7b. .						
8 Public support. (Subtract line 7c from line 6.)						

Section B. Total Support

Calendar year (or fiscal year beginning in) ►	(a) 2016	(b) 2017	(c) 2018	(d) 2019	(e) 2020	(f) Total
9 Amounts from line 6. . .						
10a Gross income from interest, dividends, payments received on securities loans, rents, royalties and income from similar sources. .						
b Unrelated business taxable income (less section 511 taxes) from businesses acquired after June 30, 1975.						
c Add lines 10a and 10b.						
11 Net income from unrelated business activities not included in line 10b, whether or not the business is regularly carried on.						
12 Other income. Do not include gain or loss from the sale of capital assets (Explain in Part VI.) . .						
13 Total support. (Add lines 9, 10c, 11, and 12.) . .						
14 First 5 years. If the Form 990 is for the organization's first, second, third, fourth, or fifth tax year as a section 501(c)(3) organization, check this box and stop here. ► ☐						

Section C. Computation of Public Support Percentage

15 Public support percentage for 2020 (line 8, column (f) divided by line 13, column (f))	15	
16 Public support percentage from 2019 Schedule A, Part III, line 15	16	

Section D. Computation of Investment Income Percentage

17 Investment income percentage for 2020 (line 10c, column (f) divided by line 13, column (f))	17	
18 Investment income percentage from 2019 Schedule A, Part III, line 17	18	

19a 33 1/3% support tests—2020. 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 ► ☐

b 33 1/3% support tests—2019. 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 ► ☐

20 Private foundation. If the organization did not check a box on line 14, 19a, or 19b, check this box and see instructions ► ☐

Part IV Supporting Organizations

(Complete only if you checked a box on line 12 of Part I. If you checked box 12a, of Part I, complete Sections A and B. If you checked box 12b, of Part I, complete Sections A and C. If you checked box 12c, of Part I, complete Sections A, D, and E. If you checked box 12d, of Part I, complete Sections A and D, and complete Part V.)

Section A. All Supporting Organizations

	Yes	No
1 Are all of the organization's supported organizations listed by name in the organization's governing documents? <i>If "No," describe in Part VI how the supported organizations are designated. If designated by class or purpose, describe the designation. If historic and continuing relationship, explain.</i>		
1		
2 Did the organization have any supported organization that does not have an IRS determination of status under section 509(a)(1) or (2)? <i>If "Yes," explain in Part VI how the organization determined that the supported organization was described in section 509(a)(1) or (2).</i>		
2		
3a Did the organization have a supported organization described in section 501(c)(4), (5), or (6)? <i>If "Yes," answer lines 3b and 3c below.</i>		
3a		
b Did the organization confirm that each supported organization qualified under section 501(c)(4), (5), or (6) and satisfied the public support tests under section 509(a)(2)? <i>If "Yes," describe in Part VI when and how the organization made the determination.</i>		
3b		
c Did the organization ensure that all support to such organizations was used exclusively for section 170(c)(2)(B) purposes? <i>If "Yes," explain in Part VI what controls the organization put in place to ensure such use.</i>		
3c		
4a Was any supported organization not organized in the United States ("foreign supported organization")? <i>If "Yes" and if you checked box 12a or 12b in Part I, answer lines 4b and 4c below.</i>		
4a		
b Did the organization have ultimate control and discretion in deciding whether to make grants to the foreign supported organization? <i>If "Yes," describe in Part VI how the organization had such control and discretion despite being controlled or supervised by or in connection with its supported organizations.</i>		
4b		
c Did the organization support any foreign supported organization that does not have an IRS determination under sections 501(c)(3) and 509(a)(1) or (2)? <i>If "Yes," explain in Part VI what controls the organization used to ensure that all support to the foreign supported organization was used exclusively for section 170(c)(2)(B) purposes.</i>		
4c		
5a Did the organization add, substitute, or remove any supported organizations during the tax year? <i>If "Yes," answer lines 5b and 5c below (if applicable). Also, provide detail in Part VI, including (i) the names and EIN numbers of the supported organizations added, substituted, or removed; (ii) the reasons for each such action; (iii) the authority under the organization's organizing document authorizing such action; and (iv) how the action was accomplished (such as by amendment to the organizing document).</i>		
5a		
b Type I or Type II only. Was any added or substituted supported organization part of a class already designated in the organization's organizing document?		
5b		
c Substitutions only. Was the substitution the result of an event beyond the organization's control?		
5c		
6 Did the organization provide support (whether in the form of grants or the provision of services or facilities) to anyone other than (i) its supported organizations, (ii) individuals that are part of the charitable class benefited by one or more of its supported organizations, or (iii) other supporting organizations that also support or benefit one or more of the filing organization's supported organizations? <i>If "Yes," provide detail in Part VI.</i>		
6		
7 Did the organization provide a grant, loan, compensation, or other similar payment to a substantial contributor (defined in section 4958(c)(3)(C)), a family member of a substantial contributor, or a 35% controlled entity with regard to a substantial contributor? <i>If "Yes," complete Part I of Schedule L (Form 990 or 990-EZ) .</i>		
7		
8 Did the organization make a loan to a disqualified person (as defined in section 4958) not described in line 7? <i>If "Yes," complete Part I of Schedule L (Form 990 or 990-EZ).</i>		
8		
9a Was the organization controlled directly or indirectly at any time during the tax year by one or more disqualified persons, as defined in section 4946 (other than foundation managers and organizations described in section 509(a)(1) or (2))? <i>If "Yes," provide detail in Part VI.</i>		
9a		
b Did one or more disqualified persons (as defined in line 9a) hold a controlling interest in any entity in which the supporting organization had an interest? <i>If "Yes," provide detail in Part VI.</i>		
9b		
c Did a disqualified person (as defined in line 9a) have an ownership interest in, or derive any personal benefit from, assets in which the supporting organization also had an interest? <i>If "Yes," provide detail in Part VI.</i>		
9c		
10a Was the organization subject to the excess business holdings rules of section 4943 because of section 4943(f) (regarding certain Type II supporting organizations, and all Type III non-functionally integrated supporting organizations)? <i>If "Yes," answer line 10b below.</i>		
10a		
b Did the organization have any excess business holdings in the tax year? <i>(Use Schedule C, Form 4720, to determine whether the organization had excess business holdings).</i>		
10b		

Part IV

Supporting Organizations (continued)

	Yes	No
11 Has the organization accepted a gift or contribution from any of the following persons?		
a A person who directly or indirectly controls, either alone or together with persons described in lines 11b and 11c below, the governing body of a supported organization?		
b A family member of a person described in 11a above?		
c A 35% controlled entity of a person described in line 11a or 11b above? <i>If "Yes" to 11a, 11b, or 11c, provide detail in Part VI.</i>		

Section B. Type I Supporting Organizations

	Yes	No
1 Did the officers, directors, trustees, or membership of one or more supported organizations have the power to regularly appoint or elect at least a majority of the organization's directors or trustees at all times during the tax year? <i>If "No," describe in Part VI how the supported organization(s) effectively operated, supervised, or controlled the organization's activities. If the organization had more than one supported organization, describe how the powers to appoint and/or remove directors or trustees were allocated among the supported organizations and what conditions or restrictions, if any, applied to such powers during the tax year.</i>		
2 Did the organization operate for the benefit of any supported organization other than the supported organization(s) that operated, supervised, or controlled the supporting organization? <i>If "Yes," explain in Part VI how providing such benefit carried out the purposes of the supported organization(s) that operated, supervised or controlled the supporting organization.</i>		

Section C. Type II Supporting Organizations

	Yes	No
1 Were a majority of the organization's directors or trustees during the tax year also a majority of the directors or trustees of each of the organization's supported organization(s)? <i>If "No," describe in Part VI how control or management of the supporting organization was vested in the same persons that controlled or managed the supported organization(s).</i>		

Section D. All Type III Supporting Organizations

	Yes	No
1 Did the organization provide to each of its supported organizations, by the last day of the fifth month of the organization's tax year, (i) a written notice describing the type and amount of support provided during the prior tax year, (ii) a copy of the Form 990 that was most recently filed as of the date of notification, and (iii) copies of the organization's governing documents in effect on the date of notification, to the extent not previously provided?		
2 Were any of the organization's officers, directors, or trustees either (i) appointed or elected by the supported organization (s) or (ii) serving on the governing body of a supported organization? <i>If "No," explain in Part VI how the organization maintained a close and continuous working relationship with the supported organization(s).</i>		
3 By reason of the relationship described in line 2 above, did the organization's supported organizations have a significant voice in the organization's investment policies and in directing the use of the organization's income or assets at all times during the tax year? <i>If "Yes," describe in Part VI the role the organization's supported organizations played in this regard.</i>		

Section E. Type III Functionally-Integrated Supporting Organizations

1 Check the box next to the method that the organization used to satisfy the Integral Part Test during the year (see instructions):		
a ☐ The organization satisfied the Activities Test. Complete line 2 below.		
b ☐ The organization is the parent of each of its supported organizations. Complete line 3 below.		
c ☐ The organization supported a governmental entity. Describe in Part VI how you supported a government entity (see instructions)		
2 Activities Test. Answer lines 2a and 2b below.		
a Did substantially all of the organization's activities during the tax year directly further the exempt purposes of the supported organization(s) to which the organization was responsive? <i>If "Yes," then in Part VI identify those supported organizations and explain how these activities directly furthered their exempt purposes, how the organization was responsive to those supported organizations, and how the organization determined that these activities constituted substantially all of its activities.</i>		
b Did the activities described in line 2a constitute activities that, but for the organization's involvement, one or more of the organization's supported organization(s) would have been engaged in? <i>If "Yes," explain in Part VI the reasons for the organization's position that its supported organization(s) would have engaged in these activities but for the organization's involvement.</i>		
3 Parent of Supported Organizations. Answer lines 3a and 3b below.		
a Did the organization have the power to regularly appoint or elect a majority of the officers, directors, or trustees of each of the supported organizations? <i>If "Yes" or "No" provide details in Part VI.</i>		
b Did the organization exercise a substantial degree of direction over the policies, programs and activities of each of its supported organizations? <i>If "Yes," describe in Part VI. the role played by the organization in this regard.</i>		

Part V Type III Non-Functionally Integrated 509(a)(3) Supporting Organizations			
1 ☐ Check here if the organization satisfied the Integral Part Test as a qualifying trust on Nov. 20, 1970 (<i>explain in Part VI</i>). See instructions. All other Type III non-functionally integrated supporting organizations must complete Sections A through E.			
Section A - Adjusted Net Income		(A) Prior Year	(B) Current Year (optional)
1	Net short-term capital gain	1	
2	Recoveries of prior-year distributions	2	
3	Other gross income (see instructions)	3	
4	Add lines 1 through 3	4	
5	Depreciation and depletion	5	
6	Portion of operating expenses paid or incurred for production or collection of gross income or for management, conservation, or maintenance of property held for production of income (see instructions)	6	
7	Other expenses (see instructions)	7	
8	Adjusted Net Income (subtract lines 5, 6 and 7 from line 4)	8	
Section B - Minimum Asset Amount		(A) Prior Year	(B) Current Year (optional)
1	Aggregate fair market value of all non-exempt-use assets (see instructions for short tax year or assets held for part of year):	1	
a	Average monthly value of securities	1a	
b	Average monthly cash balances	1b	
c	Fair market value of other non-exempt-use assets	1c	
d	Total (add lines 1a, 1b, and 1c)	1d	
e	Discount claimed for blockage or other factors (<i>explain in detail in Part VI</i>):		
2	Acquisition indebtedness applicable to non-exempt use assets	2	
3	Subtract line 2 from line 1d	3	
4	Cash deemed held for exempt use. Enter 0.015 of line 3 (for greater amount, see instructions).	4	
5	Net value of non-exempt-use assets (subtract line 4 from line 3)	5	
6	Multiply line 5 by 0.035	6	
7	Recoveries of prior-year distributions	7	
8	Minimum Asset Amount (add line 7 to line 6)	8	
Section C - Distributable Amount			Current Year
1	Adjusted net income for prior year (from Section A, line 8, Column A)	1	
2	Enter 85% of line 1	2	
3	Minimum asset amount for prior year (from Section B, line 8, Column A)	3	
4	Enter greater of line 2 or line 3	4	
5	Income tax imposed in prior year	5	
6	Distributable Amount. Subtract line 5 from line 4, unless subject to emergency temporary reduction (see instructions)	6	
7	☐ Check here if the current year is the organization's first as a non-functionally-integrated Type III supporting organization (see instructions)		

Part V

Type III Non-Functionally Integrated 509(a)(3) Supporting Organizations (continued)

Section D - Distributions		Current Year
1 Amounts paid to supported organizations to accomplish exempt purposes	1	
2 Amounts paid to perform activity that directly furthers exempt purposes of supported organizations, in excess of income from activity	2	
3 Administrative expenses paid to accomplish exempt purposes of supported organizations	3	
4 Amounts paid to acquire exempt-use assets	4	
5 Qualified set-aside amounts (<i>prior IRS approval required - provide details in Part VI</i>)	5	
6 Other distributions (<i>describe in Part VI</i>). See instructions	6	
7 Total annual distributions. Add lines 1 through 6.	7	
8 Distributions to attentive supported organizations to which the organization is responsive (<i>provide details in Part VI</i>). See instructions	8	
9 Distributable amount for 2020 from Section C, line 6	9	
10 Line 8 amount divided by Line 9 amount	10	

Section E - Distribution Allocations (see instructions)	(i) Excess Distributions	(ii) Underdistributions Pre-2020	(iii) Distributable Amount for 2020
1 Distributable amount for 2020 from Section C, line 6			
2 Underdistributions, if any, for years prior to 2020 (reasonable cause required-- <i>explain in Part VI</i>). See instructions.			
3 Excess distributions carryover, if any, to 2020:			
a From 2015.			
b From 2016.			
c From 2017.			
d From 2018.			
e From 2019.			
f Total of lines 3a through e			
g Applied to underdistributions of prior years			
h Applied to 2020 distributable amount			
i Carryover from 2015 not applied (see instructions)			
j Remainder. Subtract lines 3g, 3h, and 3i from line 3f.			
4 Distributions for 2020 from Section D, line 7: \$			
a Applied to underdistributions of prior years			
b Applied to 2020 distributable amount			
c Remainder. Subtract lines 4a and 4b from line 4.			
5 Remaining underdistributions for years prior to 2020, if any. Subtract lines 3g and 4a from line 2. If the amount is greater than zero, <i>explain in Part VI</i> . See instructions.			
6 Remaining underdistributions for 2020. Subtract lines 3h and 4b from line 1. If the amount is greater than zero, <i>explain in Part VI</i> . See instructions.			
7 Excess distributions carryover to 2021. Add lines 3j and 4c.			
8 Breakdown of line 7:			
a Excess from 2016.			
b Excess from 2017.			
c Excess from 2018.			
d Excess from 2019.			
e Excess from 2020.			

Part VI **Supplemental Information.** Provide the explanations required by Part II, line 10; Part II, line 17a or 17b; Part III, line 12; Part IV, Section A, lines 1, 2, 3b, 3c, 4b, 4c, 5a, 6, 9a, 9b, 9c, 11a, 11b, and 11c; Part IV, Section B, lines 1 and 2; Part IV, Section C, line 1; Part IV, Section D, lines 2 and 3; Part IV, Section E, lines 1c, 2a, 2b, 3a and 3b; Part V, line 1; Part V, Section B, line 1e; Part V Section D, lines 5, 6, and 8; and Part V, Section E, lines 2, 5, and 6. Also complete this part for any additional information. (See instructions).

Facts And Circumstances Test

990 Schedule A, Supplemental Information

Return Reference	Explanation
SCHEDULE A, PART II, LINE 10, EXPLANATION OF OTHER INCOME:	VARIOUS OTHER REVENUES STATE ENERGY REBATE

SCHEDULE C
(Form 990 or 990-EZ)

Department of the Treasury
Internal Revenue Service

Political Campaign and Lobbying Activities

For Organizations Exempt From Income Tax Under section 501(c) and section 527

▶Complete if the organization is described below. ▶Attach to Form 990 or Form 990-EZ.
▶Go to www.irs.gov/Form990 for instructions and the latest information.

OMB No. 1545-0047

2020

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If the organization answered "Yes" on Form 990, Part IV, Line 3, or Form 990-EZ, Part V, line 46 (Political Campaign Activities), then

- Section 501(c)(3) organizations: Complete Parts I-A and B. Do not complete Part I-C.
- Section 501(c) (other than section 501(c)(3)) organizations: Complete Parts I-A and C below. Do not complete Part I-B.
- Section 527 organizations: Complete Part I-A only.

If the organization answered "Yes" on Form 990, Part IV, Line 4, or Form 990-EZ, Part VI, line 47 (Lobbying Activities), then

- Section 501(c)(3) organizations that have filed Form 5768 (election under section 501(h)): Complete Part II-A. Do not complete Part II-B.
- Section 501(c)(3) organizations that have NOT filed Form 5768 (election under section 501(h)): Complete Part II-B. Do not complete Part II-A.

If the organization answered "Yes" on Form 990, Part IV, Line 5 (Proxy Tax) (see separate instructions) or Form 990-EZ, Part V, line 35c (Proxy Tax) (see separate instructions), then

- Section 501(c)(4), (5), or (6) organizations: Complete Part III.

Name of the organization CALIFORNIA ASSOCIATION FOR RESEARCH IN ASTRONOMY	Employer identification number 95-3972799
---	--

Part I-A Complete if the organization is exempt under section 501(c) or is a section 527 organization.

1	Provide a description of the organization's direct and indirect political campaign activities in Part IV (see instructions for definition of "political campaign activities")	
2	Political campaign activity expenditures (see instructions)	▶ \$
3	Volunteer hours for political campaign activities (see instructions)	

Part I-B Complete if the organization is exempt under section 501(c)(3).

1	Enter the amount of any excise tax incurred by the organization under section 4955	▶ \$
2	Enter the amount of any excise tax incurred by organization managers under section 4955	▶ \$
3	If the organization incurred a section 4955 tax, did it file Form 4720 for this year?	☐ Yes ☐ No
4a	Was a correction made?	☐ Yes ☐ No
b	If "Yes," describe in Part IV.	

Part I-C Complete if the organization is exempt under section 501(c), except section 501(c)(3).

1	Enter the amount directly expended by the filing organization for section 527 exempt function activities	▶ \$
2	Enter the amount of the filing organization's funds contributed to other organizations for section 527 exempt function activities	▶ \$
3	Total exempt function expenditures. Add lines 1 and 2. Enter here and on Form 1120-POL, line 17b	▶ \$
4	Did the filing organization file Form 1120-POL for this year?	☐ Yes ☐ No
5	Enter the names, addresses and employer identification number (EIN) of all section 527 political organizations to which the filing organization made payments. For each organization listed, enter the amount paid from the filing organization's funds. Also enter the amount of political contributions received that were promptly and directly delivered to a separate political organization, such as a separate segregated fund or a political action committee (PAC). If additional space is needed, provide information in Part IV.	

(a) Name	(b) Address	(c) EIN	(d) Amount paid from filing organization's funds. If none, enter -0-.	(e) Amount of political contributions received and promptly and directly delivered to a separate political organization. If none, enter -0-.
1				
2				
3				
4				
5				
6				

Part II-A Complete if the organization is exempt under section 501(c)(3) and filed Form 5768 (election under section 501(h)).

A Check ☐ if the filing organization belongs to an affiliated group (and list in Part IV each affiliated group member's name, address, EIN, expenses, and share of excess lobbying expenditures).

B Check ☐ if the filing organization checked box A and "limited control" provisions apply.

Limits on Lobbying Expenditures (The term "expenditures" means amounts paid or incurred.)	(a) Filing organization's totals	(b) Affiliated group totals
1a Total lobbying expenditures to influence public opinion (grass roots lobbying)		
b Total lobbying expenditures to influence a legislative body (direct lobbying)		
c Total lobbying expenditures (add lines 1a and 1b)		
d Other exempt purpose expenditures		
e Total exempt purpose expenditures (add lines 1c and 1d)		
f Lobbying nontaxable amount. Enter the amount from the following table in both columns.		
If the amount on line 1e, column (a) or (b) is:	The lobbying nontaxable amount is:	
Not over \$500,000	20% of the amount on line 1e.	
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.	
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.	
g Grassroots nontaxable amount (enter 25% of line 1f)		
h Subtract line 1g from line 1a. If zero or less, enter -0-		
i Subtract line 1f from line 1c. If zero or less, enter -0-		
j If there is an amount other than zero on either line 1h or line 1i, did the organization file Form 4720 reporting section 4911 tax for this year?	☐ Yes ☐ No	

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 separate instructions for lines 2a through 2f.)

Lobbying Expenditures During 4-Year Averaging Period					
Calendar year (or fiscal year beginning in)	(a) 2017	(b) 2018	(c) 2019	(d) 2020	(e) Total
2a Lobbying nontaxable amount					
b Lobbying ceiling amount (150% of line 2a, column(e))					
c Total lobbying expenditures					
d Grassroots nontaxable amount					
e Grassroots ceiling amount (150% of line 2d, column (e))					
f Grassroots lobbying expenditures					

Part II-B Complete if the organization is exempt under section 501(c)(3) and has NOT filed Form 5768 (election under section 501(h)).

For each "Yes" response on lines 1a through 1i below, provide in Part IV a detailed description of the lobbying activity.

		(a)		(b)
		Yes	No	Amount
1	During the year, did the filing organization attempt to influence foreign, national, state or local legislation, including any attempt to influence public opinion on a legislative matter or referendum, through the use of:			
a	Volunteers?		No	
b	Paid staff or management (include compensation in expenses reported on lines 1c through 1i)?	Yes		
c	Media advertisements?		No	
d	Mailings to members, legislators, or the public?		No	
e	Publications, or published or broadcast statements?		No	
f	Grants to other organizations for lobbying purposes?		No	
g	Direct contact with legislators, their staffs, government officials, or a legislative body?	Yes		11,155
h	Rallies, demonstrations, seminars, conventions, speeches, lectures, or any similar means?		No	
i	Other activities?		No	
j	Total. Add lines 1c through 1i			11,155
2a	Did the activities in line 1 cause the organization to be not described in section 501(c)(3)?		No	
b	If "Yes," enter the amount of any tax incurred under section 4912			
c	If "Yes," enter the amount of any tax incurred by organization managers under section 4912			
d	If the filing organization incurred a section 4912 tax, did it file Form 4720 for this year?			

Part III-A Complete if the organization is exempt under section 501(c)(4), section 501(c)(5), or section 501(c)(6).

		Yes	No
1	Were substantially all (90% or more) dues received nondeductible by members?	1	
2	Did the organization make only in-house lobbying expenditures of \$2,000 or less?	2	
3	Did the organization agree to carry over lobbying and political expenditures from the prior year?	3	

Part III-B Complete if the organization is exempt under section 501(c)(4), section 501(c)(5), or section 501(c)(6) and if either (a) BOTH Part III-A, lines 1 and 2, are answered "No" OR (b) Part III-A, line 3, is answered "Yes."

1	Dues, assessments and similar amounts from members	1	
2	Section 162(e) nondeductible lobbying and political expenditures (do not include amounts of political expenses for which the section 527(f) tax was paid).		
a	Current year	2a	
b	Carryover from last year	2b	
c	Total	2c	
3	Aggregate amount reported in section 6033(e)(1)(A) notices of nondeductible section 162(e) dues .	3	
4	If notices were sent and the amount on line 2c exceeds the amount on line 3, what portion of the excess does the organization agree to carryover to the reasonable estimate of nondeductible lobbying and political expenditure next year?	4	
5	Taxable amount of lobbying and political expenditures (see instructions)	5	

Part IV Supplemental Information

Provide the descriptions required for Part I-A, line 1; Part I-B, line 4; Part I-C, line 5; Part II-A (affiliated group list); Part II-A, lines 1 and 2 (see instructions), and Part II-B, line 1. Also, complete this part for any additional information.

Return Reference	Explanation
PART II-B, LINE 1:	THE OBSERVATORY RETAINS A CONSULTING FIRM TO MONITOR LEGISLATIVE DEVELOPMENTS AND TO ADVISE IT ON GOVERNMENT RELATIONS MATTERS. THE CONSULTANT MAY ESTABLISH DIRECT CONTACT WITH LEGISLATORS, THEIR STAFFS, GOVERNMENT OFFICIALS, AND LEGISLATIVE BODIES AND ENGAGE IN COMMUNICATIONS WHICH MAY BE CONSIDERED COMMUNICATION WHICH ATTEMPTS TO INFLUENCE LEGISLATION. FURTHER, OBSERVATORY STAFF, IN THE COURSE OF NECESSARY COMMUNICATIONS WITH GOVERNMENT OFFICIALS AND INFORMATIONAL PUBLIC EDUCATION ACTIVITIES MAY, FROM TIME TO TIME, ENGAGE IN COMMUNICATION WHICH MAY BE CONSIDERED TO INFLUENCE LEGISLATION. THE OBSERVATORY IS A MEMBER OF CERTAIN PROFESSIONAL ORGANIZATIONS THAT HAVE REGISTERED TO LOBBY ON BEHALF OF MEMBERSHIP. ALTHOUGH A SMALL PORTION OF THE OBSERVATORY'S MEMBERSHIP DUES MAY BE USED FOR LOBBYING, THE AMOUNT IS IMMATERIAL. CARA'S MEMBERSHIP IN THESE ORGANIZATIONS IS FOR THE PURPOSE OF HAVING ACCESS TO THE MOST CURRENT INFORMATION ON GOVERNMENT AND BUSINESS DEVELOPMENTS AS THEY RELATE TO OBSERVATORIES AND NOT FOR A LOBBYING EFFORT.

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SCHEDULE D
(Form 990)

Department of the Treasury
Internal Revenue Service

Supplemental Financial Statements

► Complete if the organization answered "Yes," on Form 990, Part IV, line 6, 7, 8, 9, 10, 11a, 11b, 11c, 11d, 11e, 11f, 12a, or 12b.
► Attach to Form 990.
► Go to www.irs.gov/Form990 for instructions and the latest information.

OMB No. 1545-0047

2020

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" on Form 990, Part IV, line 6.

1

Total number at end of year

2

Aggregate value of contributions to (during year)

3

Aggregate value of 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?

6

Did the organization inform all grantees, donors, and donor advisors in writing that grant funds can be used only for charitable purposes and not for the benefit of the donor or donor advisor, or for any other purpose conferring impermissible private benefit?

(a)

Donor advised funds

(b)

Funds and other accounts

Part II

Conservation Easements.
Complete if the organization answered "Yes" on 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 education)

☐ Preservation of an historically important land area

☐ Protection of natural habitat

☐ Preservation of a certified historic structure

☐ Preservation of open space

2

Complete lines 2a through 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 7/25/06, and not on a historic structure listed in the National Register

3

Number of conservation easements modified, transferred, released, extinguished, or terminated by the organization during the tax 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, handling of violations, and enforcement of the conservation easements it holds?

6

Staff and volunteer hours devoted to monitoring, inspecting, handling of violations, and enforcing conservation easements during the year ►

7

Amount of expenses incurred in monitoring, inspecting, handling of violations, and enforcing conservation 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 section 170(h)(4)(B)(ii)?

9

In Part XIII, 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" on Form 990, Part IV, line 8.

1a

If the organization elected, as permitted under FASB ASC 958, 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 XIII, the text of the footnote to its financial statements that describes these items.

b

If the organization elected, as permitted under FASB ASC 958, 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)

Revenue included on 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 FASB ASC 958 relating to these items:

a

Revenue included on Form 990, Part VIII, line 1

b

Assets included in Form 990, Part X

For Paperwork Reduction Act Notice, see the Instructions for Form 990.

Cat. No. 52283D

Schedule D (Form 990) 2020

Part III

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

3

Using the organization's acquisition, 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 XIII.

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

Escrow and Custodial Arrangements.

Complete if the organization answered "Yes" on 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 the arrangement in Part XIII 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, for escrow or custodial account liability? . . .

☐ Yes

☐ No

b

If "Yes," explain the arrangement in Part XIII. Check here if the explanation has been provided in Part XIII

☐

Part V

Endowment Funds.

Complete if the organization answered "Yes" on 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 Net investment earnings, gains, and 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 current year end balance (line 1g, column (a)) held as:

a

Board designated or quasi-endowment ▶

b

Permanent endowment ▶

c

Term endowment ▶

The percentages on lines 2a, 2b, and 2c should equal 100%.

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

3b

Yes

No

4

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

Part VI

Land, Buildings, and Equipment.

Complete if the organization answered "Yes" on Form 990, Part IV, line 11a. See Form 990, Part X, line 10.

Description of property	(a) Cost or other basis (investment)	(b) Cost or other basis (other)	(c) Accumulated depreciation	(d) Book value
1a Land				
b Buildings				
c Leasehold improvements				
d Equipment		149,539,258	103,807,877	45,731,381
e Other				
Total. Add lines 1a through 1e. (Column (d) must equal Form 990, Part X, column (B), line 10(c).) . . . ▶				45,731,381

Schedule D (Form 990) 2020

Part VII

Investments—Other Securities.

Complete if the organization answered "Yes" on Form 990, Part IV, line 11b. See Form 990, Part X, line 12.

(a) Description of security or category (including name of security)	(b) Book value	(c) Method of valuation: Cost or end-of-year market value
(1) Financial derivatives		
(2) Closely-held equity interests		
(3) Other _____		
(A) UNIVERSITY OF CALIFORNIA GENERAL ENDOWMENT POOL	18,060,679	F
(B) UNIVERSITY OF CALIFORNIA TOTAL RETURN INVESTMENT POOL	10,280,193	F
(C)		
(D)		
(E)		
(F)		
(G)		
(H)		
(I)		
Total. (Column (b) must equal Form 990, Part X, col. (B) line 12.) ▶	28,340,872	

Part VIII

Investments—Program Related.

Complete if the organization answered 'Yes' on Form 990, Part IV, line 11c. See Form 990, Part X, line 13.

(a) Description of investment	(b) Book value	(c) Method of valuation: Cost or end-of-year market value
(1)		
(2)		
(3)		
(4)		
(5)		
(6)		
(7)		
(8)		
(9)		
(10)		
Total. (Column (b) must equal Form 990, Part X, col.(B) line 13.) ▶		

Part IX

Other Assets.

Complete if the organization answered 'Yes' on Form 990, Part IV, line 11d. See Form 990, Part X, line 15.

(a) Description	(b) Book value
(1)	
(2)	
(3)	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
(10)	
Total. (Column (b) must equal Form 990, Part X, col.(B) line 15.) ▶	

Part X

Other Liabilities.

Complete if the organization answered 'Yes' on Form 990, Part IV, line 11e or 11f. See Form 990, Part X, line 25.

(a) Description of liability	(b) Book value
(1) Federal income taxes	
(2)	
(3)	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
Total. (Column (b) must equal Form 990, Part X, col.(B) line 25.) ▶	

2. Liability for uncertain tax positions. In Part XIII, provide the text of the footnote to the organization's financial statements that reports the organization's liability for uncertain tax positions under FIN 48 (ASC 740). Check here if the text of the footnote has been provided in Part XIII ☒

Part XI Reconciliation of Revenue per Audited Financial Statements With Revenue per Return.

Complete if the organization answered 'Yes' on Form 990, Part IV, line 12a.

1	Total revenue, gains, and other support per audited financial statements	1	31,020,553
2	Amounts included on line 1 but not on Form 990, Part VIII, line 12:		
a	Net unrealized gains (losses) on investments	2a	4,902,169
b	Donated services and use of facilities	2b	448,147
c	Recoveries of prior year grants	2c	
d	Other (Describe in Part XIII.)	2d	
e	Add lines 2a through 2d	2e	5,350,316
3	Subtract line 2e from line 1	3	25,670,237
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 7b	4a	
b	Other (Describe in Part XIII.)	4b	
c	Add lines 4a and 4b	4c	0
5	Total revenue. Add lines 3 and 4c . (This must equal Form 990, Part I, line 12.)	5	25,670,237

Part XII Reconciliation of Expenses per Audited Financial Statements With Expenses per Return.

Complete if the organization answered 'Yes' on Form 990, Part IV, line 12a.

1	Total expenses and losses per audited financial statements	1	27,505,537
2	Amounts included on line 1 but not on Form 990, Part IX, line 25:		
a	Donated services and use of facilities	2a	448,147
b	Prior year adjustments	2b	
c	Other losses	2c	
d	Other (Describe in Part XIII.)	2d	
e	Add lines 2a through 2d	2e	448,147
3	Subtract line 2e from line 1	3	27,057,390
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 7b	4a	
b	Other (Describe in Part XIII.)	4b	
c	Add lines 4a and 4b	4c	0
5	Total expenses. Add lines 3 and 4c . (This must equal Form 990, Part I, line 18.)	5	27,057,390

Part XIII Supplemental Information

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, line 2; Part XI, lines 2d and 4b; and Part XII, lines 2d and 4b. Also complete this part to provide any additional information.

Return Reference	Explanation
See Additional Data Table	

Part XIII Supplemental Information *(continued)*

Return Reference	Explanation

Additional Data

Software ID:
Software Version:
EIN: 95-3972799
Name: CALIFORNIA ASSOCIATION FOR RESEARCH IN ASTRONOMY

Supplemental Information

Return Reference	Explanation
PART X, LINE 2:	CARA HAS RECEIVED A DETERMINATION FROM TAXING AUTHORITIES THAT IT IS AN ORGANIZATION EXEMPT FROM TAXATION UNDER SECTION 501(C)(3) OF THE U.S. INTERNAL REVENUE CODE AND SECTION 23701D OF THE CALIFORNIA REVENUE AND TAXATION CODE AND IS GENERALLY NOT SUBJECT TO FEDERAL OR STATE INCOME TAXES. HOWEVER, CARA IS SUBJECT TO INCOME TAXES ON ANY NET INCOME DERIVED FROM A TRADE OR BUSINESS, REGULARLY CARRIED ON, AND NOT IN FURTHERANCE OF THE PURPOSES FOR WHICH IT WAS GRANTED EXEMPTION. NO INCOME TAX PROVISION HAS BEEN RECORDED AS THE NET INCOME, IF ANY FROM ANY UNRELATED TRADE OR BUSINESS, IN THE OPINION OF MANAGEMENT, IS NOT MATERIAL TO THE FINANCIAL STATEMENTS TAKEN AS A WHOLE. CARA APPLIES THE PROVISIONS OF ASC TOPIC 740, INCOME TAXES, WHICH PRESCRIBES A RECOGNITION THRESHOLD AND MEASUREMENT ATTRIBUTE FOR THE FINANCIAL STATEMENT RECOGNITION AND MEASUREMENT OF A TAX POSITION TAKEN OR EXPECTED TO BE TAKEN IN A TAX RETURN, AND PROVIDES GUIDANCE ON DERECOGNITION, CLASSIFICATION, INTEREST, AND PENALTIES, DISCLOSURE, AND TRANSITION. MANAGEMENT BELIEVES THAT NO SUCH UNCERTAIN TAX POSITION EXISTS FOR CARA REQUIRING ACCRUAL OR DISCLOSURE AT SEPTEMBER 30, 2021 AND 2020. CARA IS NO LONGER SUBJECT TO U.S. FEDERAL INCOME TAX EXAMINATIONS BY TAX AUTHORITIES FOR YEARS BEFORE 2018.

Supplemental Information	
Return Reference	Explanation
PART VI, LINE 1A	THE LAND IN WAIMEA IS OWNED BY CALIFORNIA INSTITUTE OF TECHNOLOGY AND IS NOT LISTED AS A CARA FIXED ASSET.

Supplemental Information

Return Reference	Explanation
PART VI, LINE 1B	THE HEADQUARTERS BUILDING IN WAIMEA AND THE OBSERVATORIES ON MAUNAKEA ARE OWNED BY CALIFORNIA INSTITUTE OF TECHNOLOGY AND ARE NOT LISTED AS CARA FIXED ASSETS.

Supplemental Information	
Return Reference	Explanation
PART VI, LINE 1D	THE TELESCOPES ON MAUNAKEA ARE OWNED BY CALIFORNIA INSTITUTE OF TECHNOLOGY AND ARE NOT LISTED AS CARA FIXED ASSETS. CARA OWNS MOST FOCAL-PLANE INSTRUMENTS, LASERS, AND ADAPTIVE OPTICS, PLUS VARIOUS OTHER EQUIPMENT NOT AFFIXED TO THE FACILITIES, COMPUTERS, AND VEHICLES.

Supplemental Information	
Return Reference	Explanation
PART VII, LINE 3	THE UNIVERSITY OF CALIFORNIA TOTAL RETURN INVESTMENT POOL AND GENERAL ENDOWMENT POOL ARE UNITIZED FUNDS WHEREBY CARA PARTICIPATES IN INVESTMENT RETURNS AND INCOME ON AN EQUIVALENT PRO-RATA BASIS WITH ALL PARTICIPANTS IN THE POOL.

SCHEDULE F
(Form 990)

Department of the Treasury
Internal Revenue Service

Statement of Activities Outside the United States

► Complete if the organization answered "Yes" to Form 990, Part IV, line 14b, 15, or 16.
► Attach to Form 990.
► Go to www.irs.gov/Form990 for instructions and the latest information.

OMB No. 1545-0047

2020

Open to Public Inspection

Name of the organization
CALIFORNIA ASSOCIATION FOR RESEARCH IN ASTRONOMY

Employer identification number
95-3972799

Part I

General Information on Activities Outside the United States. Complete if the organization answered "Yes" on Form 990, Part IV, line 14b.

- 1 For grantmakers. Does the organization maintain records to substantiate the amount of its grants and other assistance, the grantees' eligibility for the grants or assistance, and the selection criteria used to award the grants or assistance? ☐ Yes ☒ No
- 2 For grantmakers. Describe in Part V the organization's procedures for monitoring the use of its grants and other assistance outside the United States.
- 3 Activities per Region. (The following Part I, line 3 table can be duplicated if additional space is needed.)

(a) Region	(b) Number of offices in the region	(c) Number of employees, agents, and independent contractors in the region	(d) Activities conducted in region (by type) (such as, fundraising, program services, investments, grants to recipients located in the region)	(e) If activity listed in (d) is a program service, describe specific type of service(s) in the region	(f) Total expenditures for and investments in the region
See Add'l Data					
3a Sub-total	0	7			888,227
b Total from continuation sheets to Part I	0	0			0
c Totals (add lines 3a and 3b)	0	7			888,227

Part II **Grants and Other Assistance to Organizations or Entities Outside the United States.** Complete if the organization answered "Yes" on Form 990, Part IV, line 15, for any recipient who received more than \$5,000. Part II can be duplicated if additional space is needed.

1 (a) Name of organization	(b) IRS code section and EIN (if applicable)	(c) Region	(d) Purpose of grant	(e) Amount of cash grant	(f) Manner of cash disbursement	(g) Amount of noncash assistance	(h) Description of noncash assistance	(i) Method of valuation (book, FMV, appraisal, other)
		EAST ASIA AND THE PACIFIC (AUSTRALIA)	ASSISTANCE FOR NEW INSTRUMENT DESIGN STUDIES TO IMPROVE THE OBSERVATORY'S SCIENTIFIC PRODUCTIVITY	165,000	CASH WIRE TRANSFER			

- 2 Enter total number of recipient organizations listed above that are recognized as charities by the foreign country, recognized as tax-exempt by the IRS, or for which the grantee or counsel has provided a section 501(c)(3) equivalency letter **1**
- 3 Enter total number of other organizations or entities **0**

Part III	Grants and Other Assistance to Individuals Outside the United States. Complete if the organization answered "Yes" on Form 990, Part IV, line 16.
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Part III can be duplicated if additional space is needed.

[illegible]

Part IV Foreign Forms

- 1 Was the organization a U.S. transferor of property to a foreign corporation during the tax year? *If "Yes," the organization may be required to file Form 926, Return by a U.S. Transferor of Property to a Foreign Corporation (see Instructions for Form 926)* ☐ Yes ☒ No
- 2 Did the organization have an interest in a foreign trust during the tax year? *If "Yes," the organization may be required to separately file Form 3520, Annual Return to Report Transactions with Foreign Trusts and Receipt of Certain Foreign Gifts, and/or Form 3520-A, Annual Information Return of Foreign Trust With a U.S. Owner (see Instructions for Forms 3520 and 3520-A; don't file with Form 990)* ☐ Yes ☒ No
- 3 Did the organization have an ownership interest in a foreign corporation during the tax year? *If "Yes," the organization may be required to file Form 5471, Information Return of U.S. Persons with Respect to Certain Foreign Corporations. (see Instructions for Form 5471)* ☐ Yes ☒ No
- 4 Was the organization a direct or indirect shareholder of a passive foreign investment company or a qualified electing fund during the tax year? *If "Yes," the organization may be required to file Form 8621, Information Return by a Shareholder of a Passive Foreign Investment Company or Qualified Electing Fund. (see Instructions for Form 8621)* . ☐ Yes ☒ No
- 5 Did the organization have an ownership interest in a foreign partnership during the tax year? *If "Yes," the organization may be required to file Form 8865, Return of U.S. Persons with Respect to Certain Foreign Partnerships (see Instructions for Form 8865)* ☐ Yes ☒ No
- 6 Did the organization have any operations in or related to any boycotting countries during the tax year? *If "Yes," the organization may be required to separately file Form 5713, International Boycott Report (see Instructions for Form 5713; don't file with Form 990).* ☐ Yes ☒ No

Part V Supplemental Information

Provide the information required by Part I, line 2 (monitoring of funds); Part I, line 3, column (f) (accounting method; amounts of investments vs. expenditures per region); Part II, line 1 (accounting method); Part III (accounting method); and Part III, column (c) (estimated number of recipients), as applicable. Also complete this part to provide any additional information. See instructions.

990 Schedule F, Supplemental Information

Return Reference	Explanation
PART I, LINE 2:	CARA MONITORS GRANTEE'S PERFORMANCE BASED ON ACHIEVEMENT OF GRANT PURPOSES ACCORDING TO FEDERAL, STATE, AND PRIVATE FOUNDATION CONDITIONS AND COMPLIANCE IN ADDITION TO CARA'S INTERNAL PROCEDURES INCLUDING THE BEST PRACTICES UNDER OMB UNIFORM GUIDANCE SUB-RECIPIENT MONITORING REQUIREMENTS.

990 Schedule F, Supplemental Information

Return Reference	Explanation
PART III ACCOUNTING METHOD:	

Additional Data

Software ID:
Software Version:
EIN: 95-3972799
Name: CALIFORNIA ASSOCIATION FOR RESEARCH IN ASTRONOMY

Form 990 Schedule F Part I - Activities Outside The United States

(a) Region	(b) Number of offices in the region	(c) Number of employees or agents in region	(d) Activities conducted in region (by type) (i.e., fundraising, program services, grants to recipients located in the region)	(e) If activity listed in (d) is a program service, describe specific type of service(s) in region	(f) Total expenditures for region
NORTH AMERICA (INCLUDING CANADA AND MEXICO)	0	1	PROGRAM SERVICES	SCIENCE ARTIST	2,000
EUROPE (INCLUDING ICELAND AND GREENLAND)	0	1	PROGRAM SERVICES	SYSTEMS ENGINEERING SERVICES	48,100

Form 990 Schedule F Part I - Activities Outside The United States

(a) Region	(b) Number of offices in the region	(c) Number of employees or agents in region	(d) Activities conducted in region (by type) (i.e., fundraising, program services, grants to recipients located in the region)	(e) If activity listed in (d) is a program service, describe specific type of service(s) in region	(f) Total expenditures for region
NORTH AMERICA (INCLUDING CANADA AND MEXICO)	0	1	PROGRAM SERVICES	DESIGN WORK FOR THE KCRM VISILE BAND GUIDER; DESIGN AND FABRICATION OF LASER GUIDE STAR ASTERIM GENERATOR	356,679
EUROPE (INCLUDING ICELAND & GREENLAND)	0	1	PROGRAM SERVICES	DESIGN AND SUPPORT FOR LASER INSTRUMENTATION	34,692

Form 990 Schedule F Part I - Activities Outside The United States

(a) Region	(b) Number of offices in the region	(c) Number of employees or agents in region	(d) Activities conducted in region (by type) (i.e., fundraising, program services, grants to recipients located in the region)	(e) If activity listed in (d) is a program service, describe specific type of service(s) in region	(f) Total expenditures for region
EAST ASIA AND THE PACIFIC	0	1	PROGRAM SERVICES	CONSULTING SUPPORT FOR AO OPERATIONS	4,155
EAST ASIA AND THE PACIFIC	0	1	PROGRAM SERVICES	OFFICE 365 EMAIL MIGRATION CONSULTING SERVICES	2,400

Form 990 Schedule F Part I - Activities Outside The United States					
(a) Region	(b) Number of offices in the region	(c) Number of employees or agents in region	(d) Activities conducted in region (by type) (i.e., fundraising, program services, grants to recipients located in the region)	(e) If activity listed in (d) is a program service, describe specific type of service(s) in region	(f) Total expenditures for region
EUROPE (INCLUDING ICELAND & GREENLAND)	0	1	PROGRAM SERVICES	DESIGN AND FABRICATION OF 2 REAL-TIME CONTROLLERS	440,201

Note: To capture the full content of this document, please select landscape mode (11" x 8.5") when printing.

Schedule I
(Form 990)

Grants and Other Assistance to Organizations,
Governments and Individuals in the United States
Complete if the organization answered "Yes," on Form 990, Part IV, line 21 or 22.
▶ Attach to Form 990.
▶ Go to www.irs.gov/Form990 for the latest information.

OMB No. 1545-0047

2020

Open to Public
Inspection

Department of the
Treasury
Internal Revenue Service

Name of the organization
CALIFORNIA ASSOCIATION FOR RESEARCH IN
ASTRONOMY

Employer identification number
95-3972799

Part I General Information on Grants and Assistance

- 1 Does the organization maintain records to substantiate the amount of the grants or assistance, the grantees' eligibility for the grants or assistance, and the selection criteria used to award the grants or assistance? ☒ Yes ☐ No
- 2 Describe in Part IV the organization's procedures for monitoring the use of grant funds in the United States.

Part II Grants and Other Assistance to Domestic Organizations and Domestic Governments. Complete if the organization answered "Yes" on Form 990, Part IV, line 21, for any recipient that received more than \$5,000. Part II can be duplicated if additional space is needed.

(a) Name and address of organization or government	(b) EIN	(c) IRC section (if applicable)	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of noncash assistance	(h) Purpose of grant or assistance
(1) See Additional Data							
(2)							
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							
(11)							
(12)							

2 Enter total number of section 501(c)(3) and government organizations listed in the line 1 table 12

3 Enter total number of other organizations listed in the line 1 table 0

Part III **Grants and Other Assistance to Domestic Individuals.** Complete if the organization answered "Yes" on Form 990, Part IV, line 22.

Part III can be duplicated if additional space is needed.

(a) Type of grant or assistance	(b) Number of recipients	(c) Amount of cash grant	(d) Amount of noncash assistance	(e) Method of valuation (book, FMV, appraisal, other)	(f) Description of noncash assistance
(1)					
(2)					
(3)					
(4)					
(5)					
(6)					
(7)					

Part IV **Supplemental Information.** Provide the information required in Part I, line 2; Part III, column (b); and any other additional information.

Return Reference	Explanation
PART I, LINE 2:	W.M. KECK OBSERVATORY MONITORS GRANTEES' PERFORMANCE BASED ON ACHIEVEMENT OF GRANT PURPOSES ACCORDING TO FEDERAL, STATE, AND PRIVATE FOUNDATION CONDITIONS AND COMPLIANCE IN ADDITION TO WMKO INTERNAL PROCEDURES, INCLUDING UNIFORM GUIDANCE SUB-RECIPIENT MONITORING.

Additional Data

Software ID:
Software Version:
EIN: 95-3972799
Name: CALIFORNIA ASSOCIATION FOR RESEARCH IN ASTRONOMY

Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.

(a) Name and address of organization or government	(b) EIN	(c) IRC section if applicable	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of non-cash assistance	(h) Purpose of grant or assistance
CALIFORNIA INSTITUTE OF TECHNOLOGY 1200 E CALIFORNIA BLVD PASADENA, CA 946075200	95-1643307	501(C)(3)	23,788				SUB-AWARD UNDER THE HEISING-SIMONS FOUNDATION FUNDED PRIME AWARD DEVELOPMENT AND FABRICATION OF A LASER FREQUENCY COMB.
CALIFORNIA INSTITUTE OF TECHNOLOGY 1200 E CALIFORNIA BLVD PASADENA, CA 946075200	95-1643307	501(C)(3)	1,124,811				SUB-AWARD UNDER THE FEDERALLY FUNDED NSF AST-142980 FOR THE DEVELOPMENT OF THE ASTRONOMICAL INSTRUMENT THE KECK COSMIC WEB IMAGER REIONIZATION MAPPER.

Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.							
(a) Name and address of organization or government	(b) EIN	(c) IRC section if applicable	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of non-cash assistance	(h) Purpose of grant or assistance
CALIFORNIA INSTITUTE OF TECHNOLOGY 1200 E CALIFORNIA BLVD PASADENA, CA 946075200	95-1643307	501(C)(3)	30,863				AWARD FOR THE DEVELOPMENT OF THE KECK PLANET FINDER.
CALIFORNIA INSTITUTE OF TECHNOLOGY 1200 E CALIFORNIA BLVD PASADENA, CA 946075200	95-1643307	501(C)(3)	61,489				ASSISTANCE FOR NEW INSTRUMENT DESIGN STUDIES, INSTRUMENT UPGRADE PROPOSALS, AND OTHER PROPOSALS TO IMPROVE THE OBSERVATORY'S SCIENTIFIC PRODUCTIVITY.

Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.

(a) Name and address of organization or government	(b) EIN	(c) IRC section if applicable	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of non-cash assistance	(h) Purpose of grant or assistance
THE UCLA FOUNDATION 10889 WILSHIRE BLVD LOS ANGELES, CA 90024	95-2250801	501(C)(3)	14,383				ASSISTANCE FOR NEW INSTRUMENT DESIGN STUDIES, INSTRUMENT UPGRADE PROPOSALS, AND OTHER PROPOSALS TO IMPROVE THE OBSERVATORY'S SCIENTIFIC PRODUCTIVITY.
UC OBSERVATORIES 1156 HIGH ST SANTA CRUZ, CA 95064	95-1643307	501(C)(3)	18,511				ASSISTANCE FOR NEW INSTRUMENT DESIGN STUDIES, INSTRUMENT UPGRADE PROPOSALS, AND OTHER PROPOSALS TO IMPROVE THE OBSERVATORY'S SCIENTIFIC PRODUCTIVITY.

Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.

(a) Name and address of organization or government	(b) EIN	(c) IRC section if applicable	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of non-cash assistance	(h) Purpose of grant or assistance
UC SANTA CRUZ FOUNDATION 1156 HIGH ST SANTA CRUZ, CA 95064	23-7394590	501(C)(3)	163,902				ASSISTANCE FOR NEW INSTRUMENT DESIGN STUDIES, INSTRUMENT UPGRADE PROPOSALS, AND OTHER PROPOSALS TO IMPROVE THE OBSERVATORY'S SCIENTIFIC PRODUCTIVITY.
UNIVERSITY OF CALIFORNIA BERKELEY 2150 SHATTUCK AVENUE BERKELEY, CA 947045940	94-6002123	501(C)(3)	162,038				SUB-AWARD UNDER THE FEDERALLY FUNDED AST-1836016 FOR THE DEVELOPMENT OF ASTROPHYSICS ENABLED BY KECK ALL SKY PRECISION ADAPTIVE OPTICS

Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.							
(a) Name and address of organization or government	(b) EIN	(c) IRC section if applicable	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of non-cash assistance	(h) Purpose of grant or assistance
UNIVERSITY OF CALIFORNIA BERKELEY 2150 SHATTUCK AVENUE BERKELEY, CA 947045940	94-6002123	501(C)(3)	1,910,751				AWARD FOR THE DEVELOPMENT OF THE KECK PLANET FINDER.
UNIVERSITY OF CALIFORNIA IRVINE 141 INNOVATION IRVINE, CA 92697	95-2226406	501(C)(3)	38,659				ASSISTANCE FOR NEW INSTRUMENT DESIGN STUDIES, INSTRUMENT UPGRADE PROPOSALS, AND OTHER PROPOSALS TO IMPROVE THE OBSERVATORY'S SCIENTIFIC PRODUCTIVITY.

Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.							
(a) Name and address of organization or government	(b) EIN	(c) IRC section if applicable	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of non-cash assistance	(h) Purpose of grant or assistance
UNIVERSITY OF CALIFORNIA LOS ANGELES 10920 WILSHIRE BLVD LOS ANGELES, CA 900246503	95-6006143	501(C)(3)	160,526				SUB-AWARD UNDER THE FEDERALLY FUNDED AST-1836016 FOR THE DEVELOPMENT OF ASTROPHYSICS ENABLED BY KECK ALL SKY PRECISION ADAPTIVE OPTICS
UNIVERSITY OF CALIFORNIA SANTA CRUZ 1156 HIGH ST SANTA CRUZ, CA 95064	94-1539563	501(C)(3)	418,902				SUB-AWARD UNDER THE FEDERALLY FUNDED NSF AST-142980 FOR THE DEVELOPMENT OF THE ASTRONOMICAL INSTRUMENT THE KECK COSMIC WEB IMAGER REIONIZATION MAPPER.

Schedule J (Form 990)	Compensation Information	OMB No. 1545-0047
		2020
		Open to Public Inspection
Department of the Treasury Internal Revenue Service	For certain Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees ▶ Complete if the organization answered "Yes" on Form 990, Part IV, line 23. ▶ Attach to Form 990. ▶ Go to www.irs.gov/Form990 for instructions and the latest information.	
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 on Form 990, Part VII, Section A, line 1a. Complete Part III to provide any relevant information regarding these items.			
☐ First-class or charter travel	☐ Housing allowance or residence for personal use		
☐ Travel for companions	☐ Payments for business use of personal residence		
☐ Tax idemnification and gross-up payments	☐ Health or social club dues or initiation fees		
☐ Discretionary spending account	☐ Personal services (e.g., maid, chauffeur, chef)		
b If any of the boxes on Line 1a are checked, did the organization follow a written policy regarding payment or reimbursement or provision of all of the expenses described above? If "No," complete Part III to explain		1b	
2 Did the organization require substantiation prior to reimbursing or allowing expenses incurred by all directors, trustees, officers, including the CEO/Executive Director, regarding the items checked on Line 1a?		2	
3 Indicate which, if any, of the following the filing organization used to establish the compensation of the organization's CEO/Executive Director. Check all that apply. Do not check any boxes for methods used by a related organization to establish compensation of the CEO/Executive Director, but explain in Part III.			
☐ Compensation committee	☐ Written employment contract		
☐ Independent compensation consultant	☒ Compensation survey or study		
☒ Form 990 of other organizations	☒ Approval by the board or compensation committee		
4 During the year, did any person listed on Form 990, Part VII, Section A, line 1a, with respect to the filing organization or a related organization:			
a Receive a severance payment or change-of-control payment?		4a	No
b Participate in, or receive payment from, a supplemental nonqualified retirement plan?		4b	No
c Participate in, or receive payment from, an equity-based compensation arrangement?		4c	No
If "Yes" to any of lines 4a-c, list the persons and provide the applicable amounts for each item in Part III.			
Only 501(c)(3), 501(c)(4), and 501(c)(29) organizations must complete lines 5-9.			
5 For persons listed on Form 990, Part VII, Section A, line 1a, did the organization pay or accrue any compensation contingent on the revenues of:			
a The organization?		5a	No
b Any related organization?		5b	No
If "Yes," on line 5a or 5b, describe in Part III.			
6 For persons listed on 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?		6a	No
b Any related organization?		6b	No
If "Yes," on line 6a or 6b, describe in Part III.			
7 For persons listed on Form 990, Part VII, Section A, line 1a, did the organization provide any nonfixed payments not described in lines 5 and 6? If "Yes," describe in Part III.		7	Yes
8 Were any amounts reported on Form 990, Part VII, paid or accrued pursuant to a contract that was subject to the initial contract exception described in Regulations section 53.4958-4(a)(3)? If "Yes," describe in Part III.		8	No
9 If "Yes" on line 8, did the organization also follow the rebuttable presumption procedure described in Regulations section 53.4958-6(c)?		9	

For each individual whose compensation must be reported on 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) for each listed individual must equal the total amount of Form 990, Part VII, Section A, line 1a, applicable column (D) and (E) amounts for that individual.

[illegible]

Part III Supplemental Information

Provide the information, explanation, or descriptions required for Part I, lines 1a, 1b, 3, 4a, 4b, 4c, 5a, 5b, 6a, 6b, 7, and 8, and for Part II. Also complete this part for any additional information.

Return Reference	Explanation
PART I, LINE 3	ANNUALLY THE CARA BOARD EXECUTIVE COMMITTEE REVIEWS AND APPROVES THE COMPENSATION OF BOTH THE DIRECTOR AND THE CHIEF SCIENTIST USING MARKET COMPENSATION STUDIES WHICH MAY INCLUDE OTHER FORM 990 RETURNS.
PART I, LINE 7	CARA HAS AN OBSERVATORY-WIDE BONUS PROGRAM FOR WHICH ALL CARA EMPLOYEES ARE ELIGIBLE TO BE NOMINATED BY OTHER CARA EMPLOYEES FOR ACHIEVEMENTS BASED ON NON-REVENUE CRITERIA. NO INDIVIDUALS LISTED IN PART II RECEIVED BONUSES UNDER THE PROGRAM.
PART II (B)(I)(11)	CAROL SCHULL IS A FULL-TIME EMPLOYEE OF CALIFORNIA INSTITUTE OF TECHNOLOGY (CALTECH). CARA PAID CALTECH \$40,687 IN CALENDAR YEAR 2020 FOR CAROL'S SERVICES RENDERED AS SECRETARY FOR CARA.

Additional Data

Software ID:

Software Version:

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 and Title		(B) Breakdown of W-2 and/or 1099-MISC compensation			(C) Retirement and other deferred compensation	(D) Nontaxable benefits	(E) Total of columns (B)(i)-(D)	(F) Compensation in column (B) reported as deferred on prior Form 990
		(i) Base Compensation	(ii) Bonus & incentive compensation	(iii) Other reportable compensation				
1MR HILTON LEWIS OBSERVATORY DIRECTOR	(i)	327,665	0	19,500	41,643	29,487	418,295	0
	(ii)	0	0	0	0	0	0	0
1MR RICHARD MATSUDA CHIEF OF OPERATIONS	(i)	211,413	0	19,500	32,946	35,340	299,199	0
	(ii)	0	0	0	0	0	0	0
2DR JOHN O'MEARA CHIEF SCIENTIST	(i)	208,286	0	23,675	21,100	32,925	285,986	0
	(ii)	0	0	0	0	0	0	0
3MS MARGARITA SCHEFFEL OBSERVATORY CFO	(i)	216,381	0	0	31,326	35,788	283,495	0
	(ii)	0	0	0	0	0	0	0
4DR PETER WIZINOWICH CHIEF OF TECHNICAL DEVELOP	(i)	219,714	0	0	30,978	30,035	280,727	0
	(ii)	0	0	0	0	0	0	0
5MR ED HARRIS CHIEF DEVELOPMENT OFFICER	(i)	217,658	0	0	20,073	34,260	271,991	0
	(ii)	0	0	0	0	0	0	0
6MR KEVIN MCCANN SOFTWARE ENGINNERING MANAG	(i)	183,942	0	19,500	28,665	29,254	261,361	0
	(ii)	0	0	0	0	0	0	0
7MR JASON CHIN ENGINEERING MANAGER	(i)	176,952	0	16,673	16,272	34,151	244,048	0
	(ii)	0	0	0	0	0	0	0
8MR DENNIS MCBRIDE PRINCIPAL ENGINEER	(i)	195,410	0	0	15,506	18,041	228,957	0
	(ii)	0	0	0	0	0	0	0
9MR SAMUEL PARK SENIOR ENGINEER	(i)	151,977	0	23,619	12,383	33,024	221,003	0
	(ii)	0	0	0	0	0	0	0
10MR JOEL PAYNE SENIOR MECHANICAL ENGINEER	(i)	148,161	0	16,575	11,948	31,662	208,346	0
	(ii)	0	0	0	0	0	0	0
11MS CAROL SCHUIL SECRETARY	(i)	40,687	0	0	0	0	40,687	0
	(ii)	0	0	0	0	0	0	0

SCHEDULE O
(Form 990 or 990-EZ)

Department of the Treasury

Internal Revenue Service

Name of the organization
CALIFORNIA ASSOCIATION FOR RESEARCH IN
ASTRONOMY

Supplemental Information to Form 990 or 990-EZ

Complete to provide information for responses to specific questions on
Form 990 or 990-EZ or to provide any additional information.

▶ Attach to Form 990 or 990-EZ.

▶ Go to www.irs.gov/Form990 for the latest information.

OMB No. 1545-0047

2020

**Open to Public
Inspection**

Employer identification number

95-3972799

990 Schedule O, Supplemental Information

Return Reference	Explanation
FORM 990, PART I, LINE 1, DESCRIPTION OF ORGANIZATION 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 TO OPERATE TWO 10-METER OPTICAL/INFRARED TELESCOPES ON MAUNAKEA ON THE ISLAND OF HAWAII

990 Schedule O, Supplemental Information

Return Reference	Explanation
FORM 990, PART III, LINE 1, DESCRIPTION OF ORGANIZATION MISSION:	TO ADVANCE THE FRONTIERS OF ASTRONOMY AND SHARE OUR DISCOVERIES WITH THE WORLD. THE TWO 10-METER TELESCOPES OF KECK OBSERVATORY ARE THE WORLD'S LARGEST OPTICAL AND INFRARED TELESCOPES. THEY HAVE REVOLUTIONIZED OUR UNDERSTANDING OF THE COSMOS, IMPACTING EVERY AREA OF ASTRONOMY AND ASTROPHYSICS.

990 Schedule O, Supplemental Information

Return Reference	Explanation
FORM 990, PART III, LINE 4A, DESCRIPTION OF PROGRAM SERVICE:	HIGHER EDUCATION: THE TWIN TELESCOPES ARE DEDICATED TO ASTRONOMICAL RESEARCH 365 DAYS/NIGHTS PER YEAR AND FEATURE A SUITE OF ADVANCED INSTRUMENTATION. TIME ON THE KECK TELESCOPES IS ONE OF THE MOST SOUGHT-AFTER RESOURCES IN ASTRONOMICAL AND PLANETARY SCIENCE RESEARCH. OBSERVING TIME ON THE KECK TELESCOPES IS DIVIDED EACH YEAR AMONG ITS FOUNDING PARTNER INSTITUTIONS: CALIFORNIA INSTITUTE OF TECHNOLOGY AND THE UNIVERSITY OF CALIFORNIA, AS WELL AS NASA AND THE UNIVERSITY OF HAWAII. 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 ASTRONOMICAL RESEARCH AND INSTRUMENT DEVELOPMENT. KECK OBSERVATORY HAS PUSHED THE FRONTIERS OF DISCOVERY, SEARCHING FOR NEW INHABITABLE WORLDS, PROBING THE MYSTERIES OF THE MILKY WAY, MEASURING DISTANT GALAXIES AND REVEALING OTHER COSMIC PHENOMENON SO THAT WE MAY FURTHER UNDERSTAND THE NATURE OF THE UNIVERSE AND OUR PLACE IN ITS VAST EXPANSE.

990 Schedule O, Supplemental Information

Return Reference	Explanation
FORM 990, PART VI, SECTION A, LINE 2	BOARD MEMBERS GEORGE BLUMENTHAL, MICHAEL BROWN, NATHAN BOSTROM AND CLAIRE MAX HAD A BUSINESS RELATIONSHIP THROUGH THE UNIVERSITY OF CALIFORNIA. B. THOMAS SOIFER, JONAS ZMUIDZINAS AND FIONA HARRISON HAD A BUSINESS RELATIONSHIP THROUGH CALIFORNIA INSTITUTE OF TECHNOLOGY. CALIFORNIA INSTITUTE OF TECHNOLOGY AND THE UNIVERSITY OF CALIFORNIA PROVIDE VARIOUS INSTRUMENT AND ADAPTIVE OPTICS DEVELOPMENT SERVICES TO CARA. DURING TAX YEAR 2020, TOTAL EXPENDITURES FOR THESE SERVICES CHARGED TO CARA WERE \$1,432,627 BY CALIFORNIA INSTITUTE OF TECHNOLOGY, AND \$3,691,051 BY THE UNIVERSITY OF CALIFORNIA.

990 Schedule O, Supplemental Information

Return Reference	Explanation
FORM 990, PART VI, SECTION B, LINE 11B	A DRAFT FORM 990 IS PROVIDED TO THE AUDIT AND COMPLIANCE COMMITTEE FOR REVIEW AND COMMENT. AFTER ANY REQUIRED CHANGES ARE MADE AND PRIOR TO FILING, MANAGEMENT DISTRIBUTES A COPY TO THE BOARD INDICATING WHO PREPARED AND REVIEWED THE FORM 990, AND WHO WILL SIGN AND FILE THE FORM BY THE DUE DATE.

990 Schedule O, Supplemental Information

Return Reference	Explanation
FORM 990, PART VI, SECTION B, LINE 12C	ANNUALLY EACH BOARD MEMBER IS REQUIRED TO DISCLOSE AND SIGN A BOARD GOVERNANCE DOCUMENT INDICATING ANY BUSINESS, PERSONAL OR FAMILY RELATIONSHIPS WITH OTHER BOARD MEMBERS, STAFF OR MAJOR VENDORS INVOLVING THEMSELVES AND/OR THEIR FAMILY MEMBERS. THE SIGNED DISCLOSURES ARE THEN REVIEWED BY THE AUDIT AND COMPLIANCE COMMITTEE AND THE AUDIT AND COMPLIANCE COMMITTEE CHAIR NOTIFIES THE BOARD OF ANY CONFLICTS SUFFICIENT TO WARRANT THE ATTENTION OF THE BOARD. KEY EMPLOYEES AND THE FIVE HIGHEST COMPENSATED EMPLOYEES ARE REQUIRED TO DISCLOSE AND SIGN AN ANNUAL INFORMATION REQUEST INDICATING ANY FAMILY OR BUSINESS RELATIONSHIPS THAT MAY IMPACT ORGANIZATIONAL MANAGEMENT AND GOVERNANCE. FORM 990, PART VI, SECTION B, LINE 13 WHISTLEBLOWER POLICY: HAWAII STATE LABOR LAWS REQUIRE POSTING OF THE STATE'S WHISTLEBLOWER PROTECTION LAW NOTICE WHICH OUTLINES A STANDARD WHISTLEBLOWER PROCESS. CARA COMPLIED WITH THE WORKPLACE LABOR POSTING LAWS DURING TAX YEAR 2020. FORM 990, PART VI, SECTION B, LINE 14 RECORDS RETENTION: FINANCIAL RECORDS FOLLOW BOTH THE IRS RETENTION GUIDELINES AND THE REQUIREMENTS OF THE FEDERAL GOVERNMENT FOR FEDERAL AWARDS ISSUED UNDER OMB UNIFORM GUIDANCE.

990 Schedule O, Supplemental Information

Return Reference	Explanation
FORM 990, PART VI, SECTION B, LINE 15	PROCESS FOR DETERMINING COMPENSATION FOR THE DIRECTOR AND CHIEF SCIENTIST: ANNUALLY THE CA RA BOARD EXECUTIVE COMMITTEE REVIEWS AND APPROVES THE DIRECTOR'S AND CHIEF SCIENTIST'S COMPENSATION USING MARKET COMPENSATION STUDIES.

990 Schedule O, Supplemental Information

Return Reference	Explanation
FORM 990, PART VI, SECTION C, LINE 19	GOVERNANCE DOCUMENTS AND CONFLICT OF INTEREST POLICIES ARE MADE AVAILABLE UPON REQUEST. FINANCIAL STATEMENTS IN THE FORM OF AN ANNUAL AUDIT ARE PUBLISHED ON THE CARA WEBSITE AT WWW.KECKOBSERVATORY.ORG

990 Schedule O, Supplemental Information

Return Reference	Explanation
FORM 990, PART XII, LINE 2C:	THE ORGANIZATION HAS NOT CHANGED EITHER ITS OVERSIGHT PROCESS OR SELECTION PROCESS DURING THE YEAR.