

Form **990**
Department of the Treasury
Internal Revenue Service

Return of Organization Exempt From Income Tax

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.

OMB No. 1545-0047
2019
Open to Public Inspection

A For the 2019 calendar year, or tax year beginning 07-01-2019, and ending 06-30-2020

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

C Name of organization
CARNEGIE INSTITUTION OF WASHINGTON

Doing business as
CARNEGIE SCIENCE

Number and street (or P.O. box if mail is not delivered to street address) Room/suite
1530 P ST NW

City or town, state or province, country, and ZIP or foreign postal code
WASHINGTON, DC 200051910

D Employer identification number
53-0196523

E Telephone number
(202) 387-6400

G Gross receipts \$ 288,620,847

F Name and address of principal officer:
DR ERIC D ISAACS
1530 P ST NW
WASHINGTON, DC 200051910

H(a) Is this a group return for subordinates? Yes No

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

H(c) Group exemption number ▶

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

J Website: ▶ WWW.CARNEGIESCIENCE.EDU

K Form of organization: Corporation Trust Association Other ▶

L Year of formation: 1904

M State of legal domicile: DC

Part I Summary

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

2 Check this box <input type="checkbox"/> 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)	19
4 Number of independent voting members of the governing body (Part VI, line 1b)	19
5 Total number of individuals employed in calendar year 2019 (Part V, line 2a)	569
6 Total number of volunteers (estimate if necessary)	24
7a Total unrelated business revenue from Part VIII, column (C), line 12	1,886,060
7b Net unrelated business taxable income from Form 990-T, line 39	189,173

	Prior Year	Current Year
8 Contributions and grants (Part VIII, line 1h)	23,406,867	16,746,850
9 Program service revenue (Part VIII, line 2g)	6,072,640	6,339,123
10 Investment income (Part VIII, column (A), lines 3, 4, and 7d)	103,948,497	50,326,290
11 Other revenue (Part VIII, column (A), lines 5, 6d, 8c, 9c, 10c, and 11e)	4,413,466	547,154
12 Total revenue—add lines 8 through 11 (must equal Part VIII, column (A), line 12)	137,841,470	73,959,417
13 Grants and similar amounts paid (Part IX, column (A), lines 1–3)	3,059,013	2,714,963
14 Benefits paid to or for members (Part IX, column (A), line 4)	0	0
15 Salaries, other compensation, employee benefits (Part IX, column (A), lines 5–10)	51,698,184	51,436,902
16a Professional fundraising fees (Part IX, column (A), line 11e)	0	0
b Total fundraising expenses (Part IX, column (D), line 25) ▶ 2,867,425		
17 Other expenses (Part IX, column (A), lines 11a–11d, 11f–24e)	41,362,844	39,843,779
18 Total expenses. Add lines 13–17 (must equal Part IX, column (A), line 25)	96,120,041	93,995,644
19 Revenue less expenses. Subtract line 18 from line 12	41,721,429	-20,036,227
	Beginning of Current Year	End of Year
20 Total assets (Part X, line 16)	1,206,419,667	1,261,312,947
21 Total liabilities (Part X, line 26)	181,651,197	287,078,993
22 Net assets or fund balances. Subtract line 21 from line 20	1,024,768,470	974,233,954

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: *****
Date: 2021-05-14
BENJAMIN J ADERSON GENERAL COUNSEL & SECRETARY
Type or print name and title

Paid Preparer Use Only
Print/Type preparer's name: Preparer's signature: Date:
Check if self-employed PTIN: P00847851
Firm's name ▶ GRANT THORNTON LLP Firm's EIN ▶ 36-6055558
Firm's address ▶ 1000 WILSON BOULEVARD SUITE 1400 ARLINGTON, VA 22209 Phone no. (703) 847-7500

Part III Statement of Program Service Accomplishments

Check 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 \$ 61,303,576 including grants of \$) (Revenue \$ 6,339,123)

See Additional Data

4b (Code:) (Expenses \$ 8,190,904 including grants of \$ 2,714,963) (Revenue \$)

See Additional Data

4c (Code:) (Expenses \$ including grants of \$) (Revenue \$)

Blank lines for reporting program service accomplishments.

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

4e Total program service expenses ▶ 69,494,480

Part IV Checklist of Required Schedules

Table with 3 columns: Question ID, Question Text, and Yes/No response. Rows include questions 1 through 21, with sub-questions a-f for questions 11 and 14. Each row has a corresponding 'Yes' or 'No' in the rightmost column.

Part IV Checklist of Required Schedules (continued)

Table with 3 main columns: Question, Yes, No. Rows 22-38 covering various organizational requirements and schedules.

Part V Statements Regarding Other IRS Filings and Tax Compliance

Check if Schedule O contains a response or note to any line in this Part V []

Table with 3 main columns: Question, Yes, No. Rows 1a-1c regarding Form 1096, Forms W-2G, and backup withholding rules.

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	<table border="1"> <tr> <td style="width: 10%;">2a</td> <td style="width: 70%;"></td> <td style="width: 20%; text-align: right;">569</td> </tr> </table>	2a		569			
2a		569					
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	Yes			
b If "Yes," has it filed a Form 990-T for this year? <i>If "No" to line 3b, provide an explanation in Schedule O</i>			3b	Yes			
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	Yes			
b If "Yes," enter the name of the foreign country: ▶ <u>CI</u>							
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	<table border="1"> <tr> <td style="width: 10%;">7d</td> <td style="width: 70%;"></td> </tr> </table>	7d					
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				
h If the organization received a contribution of cars, boats, airplanes, or other vehicles, did the organization file a Form 1098-C?			7h				
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	<table border="1"> <tr> <td style="width: 10%;">10a</td> <td style="width: 70%;"></td> </tr> </table>	10a					
10a							
b Gross receipts, included on Form 990, Part VIII, line 12, for public use of club facilities	<table border="1"> <tr> <td style="width: 10%;">10b</td> <td style="width: 70%;"></td> </tr> </table>	10b					
10b							
11 Section 501(c)(12) organizations. Enter:							
a Gross income from members or shareholders	<table border="1"> <tr> <td style="width: 10%;">11a</td> <td style="width: 70%;"></td> </tr> </table>	11a					
11a							
b Gross income from other sources (Do not net amounts due or paid to other sources against amounts due or received from them.)	<table border="1"> <tr> <td style="width: 10%;">11b</td> <td style="width: 70%;"></td> </tr> </table>	11b					
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.	<table border="1"> <tr> <td style="width: 10%;">12b</td> <td style="width: 70%;"></td> </tr> </table>	12b		12a			
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	<table border="1"> <tr> <td style="width: 10%;">13b</td> <td style="width: 70%;"></td> </tr> </table>	13b					
13b							
c Enter the amount of reserves on hand	<table border="1"> <tr> <td style="width: 10%;">13c</td> <td style="width: 70%;"></td> </tr> </table>	13c					
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? <i>If "No," provide an explanation in Schedule O</i>			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 4720, 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

Table with 5 main rows and 3 sub-columns (1a, 1b, 2-9). Includes questions about voting members, family relationships, management control, and governance decisions.

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

Table with 16 rows (10a-16b) and 3 columns (question, Yes, No). Includes questions about local chapters, written policies, conflict of interest, whistleblower policy, and compensation.

Section C. Disclosure

- 17 List the states with which a copy of this Form 990 is required to be filed
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.
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:

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	12,253,765		
	f All other contributions, gifts, grants, and similar amounts not included above	1f	4,493,085		
	g Noncash contributions included in lines 1a - 1f:\$	1g	32,946		
	h Total. Add lines 1a-1f		16,746,850		

Program Service Revenue			(A) Total revenue	(B) Related or exempt function revenue	(C) Unrelated business revenue	(D) Revenue excluded from tax under sections 512 - 514
		Business Code				
2a MAGELLAN TELESCOPE PROGRAM		541700	4,287,091	4,287,091		
b GMT CHALLENGE PROGRAM		541700	622,566	622,566		
c PLANT METABOLIC		541700	359,799	359,799		
d TELESCOPE NIGHTS		541700	263,400	263,400		
e GEOCHEMICAL SOCIETY OFFICE		541700	182,512	182,512		
f All other program service revenue.			623,755	623,755		
g Total. Add lines 2a-2f.			6,339,123			

Other Revenue	3 Investment income (including dividends, interest, and other similar amounts)			4,501,280		1,859,838	2,641,442	
	4 Income from investment of tax-exempt bond proceeds							
	5 Royalties			638,016			638,016	
	6a Gross rents	6a	(i) Real	860,640				
			(ii) Personal					
		b Less: rental expenses	6b		1,218,823			
		c Rental income or (loss)	6c		-358,183			
	d Net rental income or (loss)			-358,183			-358,183	
	7a Gross amount from sales of assets other than inventory	7a	(i) Securities	258,890,455	377,162			
			(ii) Other					
		b Less: cost or other basis and sales expenses	7b		213,442,607	0		
		c Gain or (loss)	7c		45,447,848	377,162		
	d Net gain or (loss)			45,825,010			45,825,010	
	8a Gross income from fundraising events (not including \$ _____ of contributions reported on line 1c). See Part IV, line 18	8a						
	b Less: direct expenses	8b						
	c Net income or (loss) from fundraising events							
	9a Gross income from gaming activities. See Part IV, line 19	9a						
	b Less: direct expenses	9b						
	c Net income or (loss) from gaming activities							
	10a Gross sales of inventory, less returns and allowances	10a						
10b								
c Net income or (loss) from sales of inventory								
Miscellaneous Revenue	Business Code							
11a MOUNTAIN PRESENCE INCOME	900099		204,419			204,419		
b _____								
c _____								
d All other revenue			62,902		26,222	36,680		
e Total. Add lines 11a-11d			267,321					
12 Total revenue. See instructions			73,959,417	6,339,123	1,886,060	48,987,384		

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				
2 Grants and other assistance to domestic individuals. See Part IV, line 22	2,714,963	2,714,963		
3 Grants and other assistance to foreign organizations, foreign governments, and foreign individuals. See Part IV, lines 15 and 16.				
4 Benefits paid to or for members				
5 Compensation of current officers, directors, trustees, and key employees	4,329,533	1,143,861	2,732,980	452,692
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	29,243,355	24,264,163	3,965,242	1,013,950
8 Pension plan accruals and contributions (include section 401 (k) and 403(b) employer contributions)	7,529,127	6,320,677	829,495	378,955
9 Other employee benefits	7,844,193	6,610,663	841,120	392,410
10 Payroll taxes	2,490,694	1,976,260	378,264	136,170
11 Fees for services (non-employees):				
a Management				
b Legal	256,070		256,070	
c Accounting	279,800		279,800	
d Lobbying	20,000		20,000	
e Professional fundraising services. See Part IV, line 17				
f Investment management fees	5,995,306		5,995,306	
g Other (If line 11g amount exceeds 10% of line 25, column (A) amount, list line 11g expenses on Schedule O)	1,054,928	184,248	848,299	22,381
12 Advertising and promotion				
13 Office expenses	1,213,822	645,905	440,925	126,992
14 Information technology	1,258,881	840,122	415,284	3,475
15 Royalties				
16 Occupancy	2,884,488	2,698,253	172,368	13,867
17 Travel	1,940,247	1,534,308	338,013	67,926
18 Payments of travel or entertainment expenses for any federal, state, or local public officials				
19 Conferences, conventions, and meetings	773,446	438,530	233,658	101,258
20 Interest	5,138,069	3,011,031	2,127,038	
21 Payments to affiliates				
22 Depreciation, depletion, and amortization	9,295,844	8,597,580	676,909	21,355
23 Insurance	539,555	217,225	320,888	1,442
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 EC/RESEARCH EXPENSES	4,006,160	3,941,688	49,556	14,916
b CONTRACTS/SUBSCRIPTIONS	3,068,675	2,924,108	84,668	59,899
c EXCHANGE RATE LOSS	573,518	704,607	-131,089	
d				
e All other expenses	1,544,970	726,288	758,945	59,737
25 Total functional expenses. Add lines 1 through 24e	93,995,644	69,494,480	21,633,739	2,867,425
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 <input type="checkbox"/> if following SOP 98-2 (ASC 958-720).				

Part X Balance Sheet

Check 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	692	1	699
	2 Savings and temporary cash investments	54,711,099	2	29,586,173
	3 Pledges and grants receivable, net	6,042,579	3	6,770,599
	4 Accounts receivable, net	486,886	4	965,137
	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	381,616	5	309,667
	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)	0	6	0
	7 Notes and loans receivable, net	970,261	7	666,638
	8 Inventories for sale or use	0	8	0
	9 Prepaid expenses and deferred charges	65,424,306	9	67,390,766
	10a Land, buildings, and equipment: cost or other basis. Complete Part VI of Schedule D	10a 278,604,742		
	b Less: accumulated depreciation	10b 160,328,581	126,641,497	10c 118,276,161
	11 Investments—publicly traded securities	533,645,364	11	565,410,487
	12 Investments—other securities. See Part IV, line 11	418,115,367	12	351,354,486
	13 Investments—program-related. See Part IV, line 11	0	13	0
	14 Intangible assets	0	14	
	15 Other assets. See Part IV, line 11	0	15	120,582,134
16 Total assets. Add lines 1 through 15 (must equal line 34)	1,206,419,667	16	1,261,312,947	
Liabilities	17 Accounts payable and accrued expenses	9,725,247	17	9,721,206
	18 Grants payable	0	18	0
	19 Deferred revenue	26,827,591	19	28,586,676
	20 Tax-exempt bond liabilities	65,105,000	20	65,005,000
	21 Escrow or custodial account liability. Complete Part IV of Schedule D	0	21	0
	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	0	22	0
	23 Secured mortgages and notes payable to unrelated third parties	0	23	0
	24 Unsecured notes and loans payable to unrelated third parties	2,272,798	24	924,698
	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	77,720,561	25	182,841,413
	26 Total liabilities. Add lines 17 through 25	181,651,197	26	287,078,993
Net Assets or Fund Balances	Organizations that follow FASB ASC 958, check here <input checked="" type="checkbox"/> and complete lines 27, 28, 32, and 33.			
	27 Net assets without donor restrictions	311,622,735	27	295,115,031
	28 Net assets with donor restrictions	713,145,735	28	679,118,923
	Organizations that do not follow FASB ASC 958, check here <input type="checkbox"/> 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	1,024,768,470	32	974,233,954	
33 Total liabilities and net assets/fund balances	1,206,419,667	33	1,261,312,947	

Part XI Reconciliation of Net Assets

Check 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	73,959,417
2	Total expenses (must equal Part IX, column (A), line 25)	2	93,995,644
3	Revenue less expenses. Subtract line 2 from line 1	3	-20,036,227
4	Net assets or fund balances at beginning of year (must equal Part X, line 33, column (A))	4	1,024,768,470
5	Net unrealized gains (losses) on investments	5	-26,138,179
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	-4,360,110
10	Net assets or fund balances at end of year. Combine lines 3 through 9 (must equal Part X, line 33, column (B))	10	974,233,954

Part XII Financial Statements and Reporting

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

- 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
- 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
- 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.
- 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?
- 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	No
2a		No
2b	Yes	
2c	Yes	
3a	Yes	
3b	Yes	

Additional Data

Software ID:

Software Version:

EIN: 53-0196523

Name: CARNEGIE INSTITUTION OF WASHINGTON

Form 990 (2019)

Form 990, Part III, Line 4a:

SEE SCHEDULE O

Form 990, Part III, Line 4b:

SEE SCHEDULE O

Form 990, Part VII - Compensation of Officers, Directors, Trustees, Key Employees, Highest Compensated Employees, and Independent Contractors

(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			
DR ERIC D ISAACS PRESIDENT	40.00 0.00			X				896,430	0	223,721
MICHAEL STAMBAUGH CHIEF INVESTMENT OFFICER	40.00 0.00					X		723,128	0	65,935
TIMOTHY P DOYLE CHIEF OPERATING OFFICER	40.00 0.00			X				413,138	0	72,873
MICHAEL WALTER DEPUTY DIVISION DIRECTOR	40.00 0.00				X			330,994	0	59,802
ANN MCELWAIN CHIEF DEVELOPMENT OFFICER	40.00 0.00					X		295,367	0	63,468
RICHARD W CARLSON DIVISION DIRECTOR	40.00 0.00				X			289,805	0	62,336
EDWARD LAMADE INVESMENT DIRECTOR	40.00 0.00					X		311,698	0	36,930
JOHN S MULCHAEY DIVISION DIRECTOR	40.00 0.00				X			280,152	0	52,862
YIXIAN ZHENG DIVISION DIRECTOR	40.00 0.00				X			271,272	0	47,533
BENJAMIN J ADERSON GENERAL COUNSEL & SECRETARY	40.00 0.00			X				272,426	0	44,158

Form 990, Part VII - Compensation of Officers, Directors, Trustees, Key Employees, Highest Compensated Employees, and Independent Contractors

(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			
KENNETH G CALDEIRA SENIOR STAFF SCIENTIST EMERITUS	40.00 0.00					X		250,944	0	63,030
JOSEPH A BERRY SNR STAFF SCIENTIST EMERITUS	40.00 0.00						X	250,021	0	60,921
JUNA KOLLMEIER SCIENTIFIC STAFF MEMBER	40.00 0.00					X		256,375	0	48,315
GEORGE D CODY SCIENTIFIC STAFF MEMBER	40.00 0.00						X	224,648	0	64,609
SEUNG YON RHEE SENIOR STAFF SCIENTIST	40.00 0.00						X	239,730	0	49,310
ZHIYONG WANG ACTING DIRECTOR & SNR STF SCI	40.00 0.00					X		232,004	0	47,158
ANNA M MICHALAK DEPARTMENT DIRECTOR	40.00 0.00						X	228,964	0	33,941
CRAIG R BARRETT TRUSTEE/CHAIRMAN	6.00 0.00	X		X				0	0	0
DAVID THOMPSON TRUSTEE/VICE CHAIRMAN	6.00 0.00	X		X				0	0	0
CHARLES F BOLDEN JR TRUSTEE	2.00 0.00	X						0	0	0

Form 990, Part VII - Compensation of Officers, Directors, Trustees, Key Employees, Highest Compensated Employees, and Independent Contractors

(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			
JOHN F CRAWFORD TRUSTEE	2.00 0.00	X						0	0	0
MICHAEL A DUFFY TRUSTEE	4.00 0.00	X						0	0	0
SANDRA M FABER TRUSTEE	2.00 0.00	X						0	0	0
BRUCE W FERGUSON TRUSTEE	2.00 0.00	X						0	0	0
STEPHEN PA FODOR TRUSTEE	2.00 0.00	X						0	0	0
SUSANNE NORA JOHNSON TRUSTEE	2.00 0.00	X						0	0	0
MARY C KING TRUSTEE, END NOVEMBER 2019	2.00 0.00	X						0	0	0
KATHERINE LAPP TRUSTEE	4.00 0.00	X						0	0	0
MICHAEL LONG TRUSTEE	4.00 0.00	X						0	0	0
MARY E MAXON TRUSTEE	2.00 0.00	X						0	0	0

Form 990, Part VII - Compensation of Officers, Directors, Trustees, Key Employees, Highest Compensated Employees, and Independent Contractors

(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			
CHRISTINE M MCCARTHY TRUSTEE	2.00 0.00	X						0	0	0
RAY ROTHROCK TRUSTEE	2.00 0.00	X						0	0	0
CRISTIAN SAMPER TRUSTEE	4.00 0.00	X						0	0	0
CHRISTOPHER TS STONE TRUSTEE	2.00 0.00	X						0	0	0
MARSHALL WAIS TRUSTEE	4.00 0.00	X						0	0	0
MICHAEL WILSON TRUSTEE	2.00 0.00	X						0	0	0
RUSH D HOLT JR TRUSTEE	2.00 0.00	X						0	0	0

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

2019

Open to Public Inspection

Name of the organization
CARNEGIE INSTITUTION OF WASHINGTON

Employer identification number
53-0196523

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) 2015	(b) 2016	(c) 2017	(d) 2018	(e) 2019	(f) Total
1	Gifts, grants, contributions, and membership fees received. (Do not include any "unusual grant.") . . .	37,111,828	33,826,174	29,281,249	23,406,867	16,746,850	140,372,968
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	37,111,828	33,826,174	29,281,249	23,406,867	16,746,850	140,372,968
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). . . .						1,355,038
6	Public support. Subtract line 5 from line 4.						139,017,930

Section B. Total Support

Calendar year (or fiscal year beginning in) ▶		(a) 2015	(b) 2016	(c) 2017	(d) 2018	(e) 2019	(f) Total
7	Amounts from line 4. . . .	37,111,828	33,826,174	29,281,249	23,406,867	16,746,850	140,372,968
8	Gross income from interest, dividends, payments received on securities loans, rents, royalties and income from similar sources	7,905,000	13,209,139	12,766,124	14,746,075	4,140,098	52,766,436
9	Net income from unrelated business activities, whether or not the business is regularly carried on					189,398	189,398
10	Other income. Do not include gain or loss from the sale of capital assets (Explain in Part VI.). . . .	481,569	-256,253	-189,696	865,464	241,099	1,142,183
11	Total support. Add lines 7 through 10						194,470,985
12	Gross receipts from related activities, etc. (see instructions)					12	34,759,415

13 First five 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 2019 (line 6, column (f) divided by line 11, column (f))	14	71.490 %
15	Public support percentage for 2018 Schedule A, Part II, line 14	15	69.930 %

- 16a 33 1/3% support test—2019.** 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—2018.** 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—2019.** 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—2018.** 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) 2015	(b) 2016	(c) 2017	(d) 2018	(e) 2019	(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) 2015	(b) 2016	(c) 2017	(d) 2018	(e) 2019	(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 five 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 2019 (line 8, column (f) divided by line 13, column (f))	15	
16	Public support percentage from 2018 Schedule A, Part III, line 15	16	

Section D. Computation of Investment Income Percentage

17	Investment income percentage for 2019 (line 10c, column (f) divided by line 13, column (f))	17	
18	Investment income percentage from 2018 Schedule A, Part III, line 17	18	

19a 33 1/3% support tests—2019. 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—2018. 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 12a of Part I, complete Sections A and B. If you checked 12b of Part I, complete Sections A and C. If you checked 12c of Part I, complete Sections A, D, and E. If you checked 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 (b) and (c) 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 12a or 12b in Part I, answer (b) and (c) 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 (b) and (c) 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 (b) and (c) below, the governing body of a supported organization?		
b	A family member of a person described in (a) above?		
c	A 35% controlled entity of a person described in (a) or (b) above? <i>If "Yes" to a, b, or c, provide detail in Part VI.</i>		

Section B. Type I Supporting Organizations

		Yes	No
1	Did the 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 (2), 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	<input type="checkbox"/> The organization satisfied the Activities Test. Complete line 2 below.		
b	<input type="checkbox"/> The organization is the parent of each of its supported organizations. Complete line 3 below.		
c	<input type="checkbox"/> The organization supported a governmental entity. Describe in Part VI how you supported a government entity (see instructions)		
2	Activities Test. Answer (a) and (b) 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>	Yes	No
b	Did the activities described in (a) 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 (a) and (b) 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>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 (explain in Part VI). **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 (explain in detail in Part VI):		
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 1-1/2% 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 .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	<input type="checkbox"/> 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	
2 Amounts paid to perform activity that directly furthers exempt purposes of supported organizations, in excess of income from activity	
3 Administrative expenses paid to accomplish exempt purposes of supported organizations	
4 Amounts paid to acquire exempt-use assets	
5 Qualified set-aside amounts (prior IRS approval required)	
6 Other distributions (describe in Part VI). See instructions	
7 Total annual distributions. Add lines 1 through 6.	
8 Distributions to attentive supported organizations to which the organization is responsive (provide details in Part VI). See instructions	
9 Distributable amount for 2019 from Section C, line 6	
10 Line 8 amount divided by Line 9 amount	

Section E - Distribution Allocations (see instructions)	(i) Excess Distributions	(ii) Underdistributions Pre-2019	(iii) Distributable Amount for 2019
1 Distributable amount for 2019 from Section C, line 6			
2 Underdistributions, if any, for years prior to 2019 (reasonable cause required-- explain in Part VI). See instructions.			
3 Excess distributions carryover, if any, to 2019:			
a From 2014.			
b From 2015.			
c From 2016.			
d From 2017.			
e From 2018.			
f Total of lines 3a through e			
g Applied to underdistributions of prior years			
h Applied to 2019 distributable amount			
i Carryover from 2014 not applied (see instructions)			
j Remainder. Subtract lines 3g, 3h, and 3i from 3f.			
4 Distributions for 2019 from Section D, line 7:			
\$			
a Applied to underdistributions of prior years			
b Applied to 2019 distributable amount			
c Remainder. Subtract lines 4a and 4b from 4.			
5 Remaining underdistributions for years prior to 2019, if any. Subtract lines 3g and 4a from line 2. If the amount is greater than zero, explain in Part VI . See instructions.			
6 Remaining underdistributions for 2019. Subtract lines 3h and 4b from line 1. If the amount is greater than zero, explain in Part VI . See instructions.			
7 Excess distributions carryover to 2020. Add lines 3j and 4c.			
8 Breakdown of line 7:			
a Excess from 2015.			
b Excess from 2016.			
c Excess from 2017.			
d Excess from 2018.			
e Excess from 2019.			

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:	REALIZED FX GAIN/LOSS - 2015 AMOUNT: \$ -164,891. 2016 AMOUNT: \$ -1,468,280. 2017 AMOUNT: \$ 58,873. 2018 AMOUNT: \$ -93,104. SECURITY LITIGATION INCOME - 2015 AMOUNT: \$ -379,199. 2016 AMOUNT: \$ 1,808,930. 2017 AMOUNT: \$ 43,879. 2018 AMOUNT: \$ 10,724. OTHER - 2015 AMOUNT: \$ 201,698. 2016 AMOUNT: \$ 334,902. 2017 AMOUNT: \$ -374,400. 2018 AMOUNT: \$ 882,239. 2019 AMOUNT: \$ 36,680. MOUNTAIN PRESENCE INCOME - 2015 AMOUNT: \$ 823,961. 2016 AMOUNT: \$ -931,805. 2017 AMOUNT: \$ 81,952. 2018 AMOUNT: \$ 65,605. 2019 AMOUNT: \$ 204,419.

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

2019
Open to Public Inspection

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 CARNEGIE INSTITUTION OF WASHINGTON	Employer identification number 53-0196523
--	--

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.

	0
	0
	0

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) 2016	(b) 2017	(c) 2018	(d) 2019	(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		20,000
h	Rallies, demonstrations, seminars, conventions, speeches, lectures, or any similar means?		No	
i	Other activities?		No	
j	Total. Add lines 1c through 1i			20,000
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
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SCHEDULE D
(Form 990)

Department of the Treasury
Internal Revenue Service

Supplemental Financial Statements

OMB No. 1545-0047
2019
Open to Public Inspection

▶ 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.

Name of the organization
CARNEGIE INSTITUTION OF WASHINGTON

Employer identification number
53-0196523

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.

	(a) Donor advised funds	(b) Funds and other accounts
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? Yes No

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? Yes No

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	2a
b Total acreage restricted by conservation easements	2b
c Number of conservation easements on a certified historic structure included in (a)	2c
d Number of conservation easements included in (c) acquired after 7/25/06, and not on a historic structure listed in the National Register	2d

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? Yes No

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)? Yes No

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 SFAS 116 (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 SFAS 116 (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 ▶ \$ _____ 174,303

2 If the organization received or held works of art, historical treasures, or other similar assets for financial gain, provide the following amounts required to be reported under SFAS 116 (ASC 958) relating to these items:

a Revenue included on Form 990, Part VIII, line 1 ▶ \$ _____

b Assets included in Form 990, Part X ▶ \$ _____

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

- 3** Using the organization's 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	809,799,014	830,826,623	797,500,206	744,153,617	819,540,019
b Contributions	1,677,170	729,659	211,703	16,599	130,750
c Net investment earnings, gains, and losses	15,888,803	26,582,732	82,643,613	103,067,040	-29,062,673
d Grants or scholarships	14,055	1,500,019	2,291,722	3,168,223	3,026,553
e Other expenditures for facilities and programs	48,016,412	44,847,217	44,963,820	42,901,696	41,059,613
f Administrative expenses	2,826,418	1,992,764	2,273,357	3,667,131	2,368,313
g End of year balance	776,508,102	809,799,014	830,826,623	797,500,206	744,153,617

2 Provide the estimated percentage of the current year end balance (line 1g, column (a)) held as:

- a** Board designated or quasi-endowment ▶ 17.130 %
- b** Permanent endowment ▶ 7.450 %
- c** Temporarily restricted endowment ▶ 75.420 %

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
- (ii)** related organizations

	Yes	No
3a(i)	Yes	No
3a(ii)	No	No
3b		

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

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		817,117		817,117
b Buildings		96,891,387	40,611,901	56,279,486
c Leasehold improvements				0
d Equipment		179,646,240	119,716,680	59,929,560
e Other		1,249,998		1,249,998
Total. Add lines 1a through 1e. (Column (d) must equal Form 990, Part X, column (B), line 10(c).) . . . ▶				118,276,161

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	413,696	F
(3) Other _____		
(A) ALTERNATIVE INVESTMENTS	185,817,801	F
(B) REAL ASSETS/NATURAL RESOURCES	165,122,989	F
(C)		
(D)		
(E)		
(F)		
(G)		
(H)		
Total. (Column (b) must equal Form 990, Part X, col. (B) line 12.)	351,354,486	

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)		
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) BOND FUND	120,582,134
(2)	
(3)	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
Total. (Column (b) must equal Form 990, Part X, col.(B) line 15.)	120,582,134

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.

1. (a) Description of liability	(b) Book value
(1) Federal income taxes	
(2) TAXABLE BOND PAYABLE	50,100,000
(3) ACCRUED POSTRETIREMENT BENEFIT	32,741,413
(4) TAXABLE BONDS	100,000,000
(5)	
(6)	
(7)	
(8)	
(9)	
(10)	
Total. (Column (b) must equal Form 990, Part X, col.(B) line 25.)	182,841,413

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	38,685,116
2	Amounts included on line 1 but not on Form 990, Part VIII, line 12:		
a	Net unrealized gains (losses) on investments	2a	-26,138,179
b	Donated services and use of facilities	2b	
c	Recoveries of prior year grants	2c	
d	Other (Describe in Part XIII.)	2d	-4,359,639
e	Add lines 2a through 2d	2e	-30,497,818
3	Subtract line 2e from line 1	3	69,182,934
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	5,995,306
b	Other (Describe in Part XIII.)	4b	-1,218,823
c	Add lines 4a and 4b	4c	4,776,483
5	Total revenue. Add lines 3 and 4c . (This must equal Form 990, Part I, line 12.)	5	73,959,417

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	89,219,161
2	Amounts included on line 1 but not on Form 990, Part IX, line 25:		
a	Donated services and use of facilities	2a	
b	Prior year adjustments	2b	
c	Other losses	2c	
d	Other (Describe in Part XIII.)	2d	
e	Add lines 2a through 2d	2e	0
3	Subtract line 2e from line 1	3	89,219,161
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	5,995,306
b	Other (Describe in Part XIII.)	4b	-1,218,823
c	Add lines 4a and 4b	4c	4,776,483
5	Total expenses. Add lines 3 and 4c . (This must equal Form 990, Part I, line 18.)	5	93,995,644

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: 53-0196523

Name: CARNEGIE INSTITUTION OF WASHINGTON

Supplemental Information

Return Reference	Explanation
PART III, LINE 4:	ORGANIZATION'S COLLECTIONS THE COLLECTION OF THE CARNEGIE INSTITUTION OF WASHINGTON IS PRE DOMINANTLY COMPOSED OF HISTORICAL ARTIFACTS RELATED TO ITS WORK IN SCIENTIFIC RESEARCH. TH IS INCLUDES SCIENTIFIC SAMPLES, MATERIALS, DEVICES AND INSTRUMENTATION, AND PRINTED PUBLIC ATIONS. THE COLLECTION IS USED FOR SCHOLARLY REFERENCE AND STUDY OF THE INSTITUTION'S PAST SCIENTIFIC DISCOVERIES AS WELL AS FOR EDUCATION OF THE GENERAL PUBLIC.

Supplemental Information

Return Reference	Explanation
PART V, LINE 4:	INTENDED USE OF ENDOWMENT FUNDS THE ORGANIZATION'S ENDOWMENT FUNDS ARE INTENDED TO SUPPORT ITS OVERALL MISSION OF SUPPORTING SCIENTIFIC DISCOVERY "IN THE BROADEST AND MOST LIBERAL MANNER."

Supplemental Information

Return Reference	Explanation
PART X, LINE 2:	FIN 48 FOOTNOTE CARNEGIE HAS ANALYZED THE TAX POSITIONS TAKEN AND HAS CONCLUDED THAT AS OF JUNE 30, 2020 AND 2019, THERE ARE NO UNCERTAIN TAX POSITIONS TAKEN OR EXPECTED TO BE TAKEN THAT WOULD REQUIRE RECOGNITION OF DISCLOSURE IN THE FINANCIAL STATEMENTS.

Supplemental Information

Return Reference	Explanation
PART XI, LINE 2D - OTHER ADJUSTMENTS:	UNREALIZED SWAP GAIN/LOSS -710,640. PENSION-RELATED CHANGES -3,648,999.

Supplemental Information

Return Reference	Explanation
PART XI, LINE 4B - OTHER ADJUSTMENTS:	RENTAL EXPENSES -1,218,823.

Supplemental Information

Return Reference	Explanation
PART XII, LINE 4B - OTHER ADJUSTMENTS:	RENTAL EXPENSES -1,218,823.

SCHEDULE E
(Form 990 or 990-EZ)

Schools

OMB No. 1545-0047

2019

Open to Public Inspection

▶ **Complete if the organization answered "Yes" on Form 990, Part IV, line 13, or Form 990-EZ, Part VI, line 48.**
▶ **Attach to Form 990 or Form 990-EZ.**
▶ **Go to www.irs.gov/Form990EZ for the latest information.**

Department of the Treasury

Name of the organization
CARNEGIE INSTITUTION OF WASHINGTON

Employer identification number

53-0196523

Part I

	YES	NO
1 Does the organization have a racially nondiscriminatory policy toward students by statement in its charter, bylaws, other governing instrument, or in a resolution of its governing body?	Yes	
2 Does the organization include a statement of its racially nondiscriminatory policy toward students in all its brochures, catalogues, and other written communications with the public dealing with student admissions, programs, and scholarships?	Yes	
3 Has the organization publicized its racially nondiscriminatory policy through newspaper or broadcast media during the period of solicitation for students, or during the registration period if it has no solicitation program, in a way that makes the policy known to all parts of the general community it serves? If "Yes," please describe. If "No," please explain. If you need more space use Part II.	Yes	
4 Does the organization maintain the following?		
a Records indicating the racial composition of the student body, faculty, and administrative staff?	Yes	
b Records documenting that scholarships and other financial assistance are awarded on a racially nondiscriminatory basis?	Yes	
c Copies of all catalogues, brochures, announcements, and other written communications to the public dealing with student admissions, programs, and scholarships?	Yes	
d Copies of all material used by the organization or on its behalf to solicit contributions? If you answered "No" to any of the above, please explain. If you need more space, use Part II.	Yes	
5 Does the organization discriminate by race in any way with respect to:		
a Students' rights or privileges?		No
b Admissions policies?		No
c Employment of faculty or administrative staff?		No
d Scholarships or other financial assistance?		No
e Educational policies?		No
f Use of facilities?		No
g Athletic programs?		No
h Other extracurricular activities? If you answered "Yes" to any of the above, please explain. If you need more space, use Part II.		No
6a Does the organization receive any financial aid or assistance from a governmental agency?	Yes	
b Has the organization's right to such aid ever been revoked or suspended? If you answered "Yes" to either line 6a or line 6b, explain on Part II.		No
7 Does the organization certify that it has complied with the applicable requirements of sections 4.01 through 4.05 of Rev. Proc. 75-50, 1975-2 C.B. 587, covering racial nondiscrimination? If "No," explain on Part II.	Yes	

Part II Supplemental Information. Provide the explanations required by Part I, lines 3, 4d, 5h, 6b, and 7, as applicable. Also provide any other additional information. See instructions.

Return Reference	Explanation
SCHEDULE E, PART I, LINE 3	OUR NON-DISCRIMINATION POLICY IS AVAILABLE ON OUR WEBSITE, WWW.CARNEGIESCIENCE.EDU, UNDER ANTI-DISCRIMINATION POLICY.
SCHEDULE E, PART I, LINE 6	WE RECEIVE GRANTS AND PASS THROUGH FUNDS FROM SEVERAL FEDERAL AGENCIES INCLUDING THE NATIONAL SCIENCE FOUNDATION (NSF), THE UNITED STATES DEPARTMENT OF ENERGY (DOE), THE UNITED STATES DEPARTMENT OF HOMELAND SECURITY (DHS), THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION (NASA), THE UNITED STATES DEPARTMENT OF AGRICULTURE (USDA), THE OFFICE OF NAVAL RESEARCH (ONR), THE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY (NIST), AND OTHERS. THESE MONIES SUPPORT OUR SCIENTIFIC RESEARCH AND EDUCATION.

**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

2019

Open to Public Inspection

Name of the organization
CARNEGIE INSTITUTION OF WASHINGTON

Employer identification number
53-0196523

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	0			365,658,298
b Total from continuation sheets to Part I	0	92			14,486,049
c Totals (add lines 3a and 3b)	0	92			380,144,347

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)

- 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 ▶ _____
- 3 Enter total number of other organizations or entities ▶ _____

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 III ACCOUNTING METHOD:	

Additional Data

Software ID:

Software Version:

EIN: 53-0196523

Name: CARNEGIE INSTITUTION OF WASHINGTON

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
CENTRAL AMERICA AND THE CARIBBEAN	0	0	INVESTMENTS		363,172,300
EAST ASIA AND THE PACIFIC	0	0	PROGRAM SERVICES	MEETINGS/CONFERENCES	65,202

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	0	PROGRAM SERVICES	FIELDWORK	21,598
EUROPE (INCLUDING ICELAND & GREENLAND)	0	0	INVESTMENTS		2,140,893

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	0	PROGRAM SERVICES	MEETINGS/CONFERENCES	166,291
EUROPE (INCLUDING ICELAND & GREENLAND)	0	0	PROGRAM SERVICES	FIELDWORK	26,473

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	0	FUNDRAISING		45,433
MIDDLE EAST AND NORTH AFRICA	0	0	PROGRAM SERVICES	MEETINGS/CONFERENCES	20,108

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	0	0	INVESTMENTS		4,232,336
NORTH AMERICA	0	0	PROGRAM SERVICES	MEETINGS/CONFERENCES	5,663

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
SOUTH AMERICA	0	0	INVESTMENTS		2,246,754
SOUTH AMERICA	0	0	PROGRAM SERVICES	TELESCOPE OPERATIONS (OBS)	7,455,801

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
SOUTH AMERICA	0	0	PROGRAM SERVICES	OTHER	86,974
SOUTH AMERICA	0	0	PROGRAM SERVICES	MEETINGS/CONFERENCES	2,803

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
SOUTH AMERICA	0	0	PROGRAM SERVICES	FIELDWORK	252,733
SOUTH AMERICA	0	92	FUNDRAISING		202,985

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

2019

Open to Public Inspection

Department of the Treasury Internal Revenue Service

Name of the organization CARNEGIE INSTITUTION OF WASHINGTON

Employer identification number

53-0196523

Part I General Information on Grants and Assistance

- 1 Does the organization maintain records to substantiate the amount of the grants or assistance...
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.

Table with 8 columns: (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. Rows 1-12.

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

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) FELLOWSHIP	12	2,714,963			
(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:	<p>PROCEDURES FOR MONITORING THE USE OF GRANT FUNDS & OTHER ASSISTANCE IN US AS A RESEARCH INSTITUTION, CARNEGIE PROVIDES FELLOWS WITH THE OPPORTUNITY TO PURSUE INDEPENDENT RESEARCH AND THE TRAINING TO ACQUIRE THE ADDITIONAL SKILLS AND EXPERTISE NEEDED TO BECOME A SUCCESSFUL SCIENTIST. CARNEGIE MONITORS THE FELLOWSHIP EXPERIENCE TO ACHIEVE BOTH OBJECTIVES. FELLOWS PURSUE THEIR RESEARCH PROGRAM RELATIVELY INDEPENDENTLY BUT HAVE FULL ACCESS TO CARNEGIE FACILITIES AND STAFF MEMBERS AND TYPICALLY PERFORM THEIR EXPERIMENTS AND SCIENTIFIC WORK ON-SITE AND IN COLLABORATION WITH OTHER CARNEGIE SCIENTISTS. FELLOWS IN THE BIOLOGICAL SCIENCES APPLY TO CARNEGIE MAINLY TO LEARN THE RESEARCH TECHNIQUES AND RESEARCH AREAS OF A PARTICULAR CARNEGIE STAFF SCIENTIST, THAT IS, TO WORK IN THAT PRINCIPAL INVESTIGATOR'S (PI) LAB. LABS ROUTINELY ENGAGE A NUMBER OF DIFFERENT PEOPLE, INCLUDING A PI, TECHNICIANS, POSTDOCTORAL SCIENTISTS, AND RESEARCHERS. THE PI MONITORS THE WORK OF THE FELLOW ON AN ONGOING BASIS, CRITIQUES THE FELLOWS' RESEARCH, MAKES SUGGESTIONS FOR AVENUES TO EXPLORE, AND PROVIDES ONGOING MENTORING. FELLOWS IN THE PHYSICAL SCIENCES TYPICALLY COLLABORATE WITH A SENIOR STAFF MEMBER ON RESEARCH PROJECTS. THIS PROVIDES AN ONGOING VEHICLE FOR MONITORING AND SUPPORTING THE WORK OF THE FELLOW. FELLOWS ARE ASKED TO PRESENT AND DEFEND THEIR RESEARCH TO OTHER SCIENTISTS BOTH AT CARNEGIE AND AT OTHER INSTITUTIONS. THIS PROCESS HELPS TO MONITOR A FELLOWS' SCIENTIFIC PROGRESS AND PERMITS ADJUSTMENTS AS NECESSARY. CARNEGIE'S VARIOUS ADMINISTRATIVE AND RESEARCH POLICIES APPLY TO FELLOWS. IN CARNEGIE'S STRUCTURE, DEPARTMENT DIRECTORS ARE RESPONSIBLE FOR ASSURING THAT FELLOWS FOLLOW THESE PROCEDURES AND CARRY OUT THE RESEARCH SUPPORTED THROUGH EXTERNALLY OR INTERNALLY-FUNDED FELLOWSHIPS. TO ENSURE SPONSORED PROGRAM DOLLARS ARE APPROPRIATELY USED, AND IN ACCORDANCE WITH APPLICABLE REGULATIONS, THE INSTITUTION APPLIES RIGOROUS FINANCIAL AND PROGRAMMATIC MONITORING. CARNEGIE CONDUCTS REGULAR ACCOUNT RECONCILIATIONS, SUBRECIPIENT MONITORING; WHEREIN SUBRECIPIENT ORGANIZATIONS ARE REQUIRED TO SUBMIT FINANCIAL AND TECHNICAL REPORTS. REPORTS AND INVOICES ARE REVIEWED FOR ACCURACY, AND COMPLIANCE WITH APPLICABLE TERMS AND CONDITIONS INCLUDING OMB 2 CFR 200 ADMINISTRATIVE REQUIREMENTS, COST PRINCIPLES, AND AUDIT REQUIREMENTS FOR FEDERAL AWARDS.</p>

Schedule J (Form 990) Department of the Treasury Internal Revenue Service

Compensation Information 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.

OMB No. 1545-0047 2019 Open to Public Inspection

Name of the organization CARNEGIE INSTITUTION OF WASHINGTON

Employer identification number 53-0196523

Part I Questions Regarding Compensation

Table with 3 columns: Question, Yes, No. Rows include 1a (Travel, Housing, etc.), 1b (Policy), 2 (Substantiation), 3 (Methods), 4 (Severance, Retirement, Equity), 5 (Contingent on revenues), 6 (Contingent on net earnings), 7 (Nonfixed payments), 8 (Contract exception), 9 (Rebuttable presumption).

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 1A	FIRST-CLASS TRAVEL COACH OR ECONOMY CLASS TRAVEL IS THE STANDARD FOR ALL BUSINESS TRAVEL; HOWEVER, THERE ARE CIRCUMSTANCES WHERE BUSINESS CLASS OR PREMIUM CLASS TRAVEL IS PERMITTED ONLY WITH PRE-APPROVAL. THE ORGANIZATION FOLLOWS ITS ACCOUNTABLE PLAN FOR ALL BUSINESS TRAVEL. PART I, LINE 1A: HOUSING ALLOWANCE CARNEGIE'S POLICIES INCLUDE A PROVISION FOR HOUSING SUBSIDIES IN HIGH-COST AREAS FOR QUALIFYING STAFF MEMBERS. SIX STAFF MEMBERS QUALIFY FOR THE HOUSING ALLOWANCE. THESE BENEFITS ARE TREATED AS TAXABLE COMPENSATION AND INCLUDED ON THE STAFF MEMBER'S FORM W-2. PART I, LINE 1A: TRAVEL FOR COMPANIONS TRAVEL FOR COMPANIONS WAS ALLOWED PURSUANT TO POLICY AND PAID FOR DR. ISAACS' SPOUSE. THIS BENEFIT IS INCLUDED WITHIN SCHEDULE J, PART II, COLUMN B(III).
PART I, LINE 4B	SUPPLEMENTAL NONQUALIFIED RETIREMENT PLAN PER APPROVAL OF THE BOARD AND HIS EMPLOYMENT AGREEMENT, DR. ERIC D. ISAACS ACCRUED \$150,000 IN DEFERRED COMPENSATION DURING THE YEAR.
PART I, LINE 5	CONTINGENT COMPENSATION CARNEGIE PAID COMPENSATION UPON AND DETERMINED IN PART BY THE REVENUES OF THE ORGANIZATION TO MICHAEL STAMBAUGH AND ANN MCELWAIN. CONTINGENT COMPENSATION IS REPORTED IN COLUMN B(II) OF SCHEDULE J, PART II.
PART I, LINE 7	NONFIXED PAYMENTS THE ORGANIZATION ESTABLISHES ANNUAL GOALS AND METRICS FOR ITS EMPLOYEES AND EXECUTIVES. BASED ON ATTAINMENT OF THESE GOALS AND METRICS, CERTAIN EMPLOYEES MAY BE AWARDED A PERFORMANCE BONUS. ALL BONUSES ARE CONSIDERED AS PART OF TOTAL COMPENSATION FOR REASONABLENESS.

Additional Data

Software ID:
Software Version:
EIN: 53-0196523
Name: CARNEGIE INSTITUTION OF WASHINGTON

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				
1DR ERIC D ISAACS PRESIDENT	(i)	826,242	50,000	20,188	203,256	20,465	1,120,151	0
	(ii)	0	0	0	0	0	0	0
1MICHAEL STAMBAUGH CHIEF INVESTMENT OFFICER	(i)	472,714	250,000	414	45,472	20,463	789,063	0
	(ii)	0	0	0	0	0	0	0
2TIMOTHY P DOYLE CHIEF OPERATING OFFICER	(i)	393,368	0	19,770	49,560	23,313	486,011	0
	(ii)	0	0	0	0	0	0	0
3MICHAEL WALTER DEPUTY DIVISION DIRECTOR	(i)	330,220	0	774	46,752	13,050	390,796	0
	(ii)	0	0	0	0	0	0	0
4ANN MCELWAIN CHIEF DEVELOPMENT OFFICER	(i)	280,437	14,516	414	46,130	17,338	358,835	0
	(ii)	0	0	0	0	0	0	0
5RICHARD W CARLSON DIVISION DIRECTOR	(i)	287,519	0	2,286	55,600	6,736	352,141	0
	(ii)	0	0	0	0	0	0	0
6EDWARD LAMADE INVESTMENT DIRECTOR	(i)	261,536	50,000	162	35,954	976	348,628	0
	(ii)	0	0	0	0	0	0	0
7JOHN S MULCHAEY DIVISION DIRECTOR	(i)	279,738	0	414	45,685	7,177	333,014	0
	(ii)	0	0	0	0	0	0	0
8YIXIAN ZHENG DIVISION DIRECTOR	(i)	252,998	0	18,274	47,193	340	318,805	0
	(ii)	0	0	0	0	0	0	0
9BENJAMIN J ADERSON GENERAL COUNSEL & SECRETARY	(i)	253,264	0	19,162	36,919	7,239	316,584	0
	(ii)	0	0	0	0	0	0	0
10KENNETH G CALDEIRA SENIOR STAFF SCIENTIST EMERITUS	(i)	249,756	0	1,188	49,191	13,839	313,974	0
	(ii)	0	0	0	0	0	0	0
11JOSEPH A BERRY SNR STAFF SCIENTIST EMERITUS	(i)	227,024	0	22,997	47,200	13,721	310,942	0
	(ii)	0	0	0	0	0	0	0
12JUNA KOLLMEIER SCIENTIFIC STAFF MEMBER	(i)	206,195	50,000	180	30,502	17,813	304,690	0
	(ii)	0	0	0	0	0	0	0
13GEORGE D CODY SCIENTIFIC STAFF MEMBER	(i)	223,874	0	774	43,667	20,942	289,257	0
	(ii)	0	0	0	0	0	0	0
14SEUNG YON RHEE SENIOR STAFF SCIENTIST	(i)	220,316	0	19,414	39,660	9,650	289,040	0
	(ii)	0	0	0	0	0	0	0
15ZHIYONG WANG ACTING DIRECTOR & SNR STF SCI	(i)	212,230	0	19,774	40,158	7,000	279,162	0
	(ii)	0	0	0	0	0	0	0
16ANNA M MICHALAK DEPARTMENT DIRECTOR	(i)	210,284	0	18,680	33,601	340	262,905	0
	(ii)	0	0	0	0	0	0	0

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

Schedule K (Form 990)

Supplemental Information on Tax-Exempt Bonds

▶ Complete if the organization answered "Yes" to Form 990, Part VI, line 24a. Provide descriptions, explanations, and any additional information in Part VI.

▶ Attach to Form 990.

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

OMB No. 1545-0047

2019

Open to Public Inspection

Department of the Treasury
Internal Revenue Service

Name of the organization
CARNEGIE INSTITUTION OF WASHINGTON

Employer identification number

53-0196523

Part I Bond Issues

	(a) Issuer name	(b) Issuer EIN	(c) CUSIP #	(d) Date issued	(e) Issue price	(f) Description of purpose	(g) Defeased		(h) On behalf of issuer		(i) Pool financing	
							Yes	No	Yes	No	Yes	No
A	CALIFORNIA EDUCATIONAL FACILITIES AUTHORITY	52-1705592	130178VS2	03-24-2010	34,525,000	REFUND PRIOR BONDS TO FINANCE		X		X		X
B	MARYLAND HEALTH AND HIGHER EDUCATIONAL FACILITIES	52-0936091	574217JB2	02-04-2010	30,580,000	REFUND PRIOR BONDS TO CONSTRUCTION/EQ		X		X		X

Part II Proceeds

		A		B		C		D	
1	Amount of bonds retired								
2	Amount of bonds legally defeased								
3	Total proceeds of issue		36,365,183		30,505,440				
4	Gross proceeds in reserve funds								
5	Capitalized interest from proceeds								
6	Proceeds in refunding escrows								
7	Issuance costs from proceeds		565,183		553,594				
8	Credit enhancement from proceeds								
9	Working capital expenditures from proceeds								
10	Capital expenditures from proceeds		35,800,000		29,951,846				
11	Other spent proceeds								
12	Other unspent proceeds								
13	Year of substantial completion		2003		2005				
		Yes	No	Yes	No	Yes	No	Yes	No
14	Were the bonds issued as part of a current refunding issue of tax-exempt bonds (or, if issued prior to 2018, a current refunding issue)?	X		X					
15	Were the bonds issued as part of an advance refunding issue of taxable bonds (or, if issued prior to 2018, an advance refunding issue)?		X		X				
16	Has the final allocation of proceeds been made?	X		X					
17	Does the organization maintain adequate books and records to support the final allocation of proceeds?	X		X					

Part III Private Business Use

		A		B		C		D	
		Yes	No	Yes	No	Yes	No	Yes	No
1	Was the organization a partner in a partnership, or a member of an LLC, which owned property financed by tax-exempt bonds?		X		X				
2	Are there any lease arrangements that may result in private business use of bond-financed property?		X		X				

Part III Private Business Use (Continued)

	A		B		C		D	
	Yes	No	Yes	No	Yes	No	Yes	No
3a Are there any management or service contracts that may result in private business use of bond-financed property?		X		X				
b If "Yes" to line 3a, does the organization routinely engage bond counsel or other outside counsel to review any management or service contracts relating to the financed property?								
c Are there any research agreements that may result in private business use of bond-financed property?		X		X				
d If "Yes" to line 3c, does the organization routinely engage bond counsel or other outside counsel to review any research agreements relating to the financed property?								
4 Enter the percentage of financed property used in a private business use by entities other than a section 501(c)(3) organization or a state or local government ▶								
5 Enter the percentage of financed property used in a private business use as a result of unrelated trade or business activity carried on by your organization, another section 501(c)(3) organization, or a state or local government ▶								
6 Total of lines 4 and 5								
7 Does the bond issue meet the private security or payment test?	X		X					
8a Has there been a sale or disposition of any of the bond-financed property to a nongovernmental person other than a 501(c)(3) organization since the bonds were issued?		X		X				
b If "Yes" to line 8a, enter the percentage of bond-financed property sold or disposed of.								
c If "Yes" to line 8a, was any remedial action taken pursuant to Regulations sections 1.141-12 and 1.145-2?								
9 Has the organization established written procedures to ensure that all nonqualified bonds of the issue are remediated in accordance with the requirements under Regulations sections 1.141-12 and 1.145-2?	X		X					

Part IV Arbitrage

	A		B		C		D	
	Yes	No	Yes	No	Yes	No	Yes	No
1 Has the issuer filed Form 8038-T, Arbitrage Rebate, Yield Reduction and Penalty in Lieu of Arbitrage Rebate?		X		X				
2 If "No" to line 1, did the following apply?								
a Rebate not due yet?		X		X				
b Exception to rebate?	X		X					
c No rebate due?		X		X				
If "Yes" to line 2c, provide in Part VI the date the rebate computation was performed								
3 Is the bond issue a variable rate issue?		X		X				
4a Has the organization or the governmental issuer entered into a qualified hedge with respect to the bond issue?		X		X				
b Name of provider								
c Term of hedge								
d Was the hedge superintegrated?								
e Was the hedge terminated?								

Part IV Arbitrage (Continued)

	A		B		C		D	
	Yes	No	Yes	No	Yes	No	Yes	No
5a Were gross proceeds invested in a guaranteed investment contract (GIC)?		X		X				
b Name of provider								
c Term of GIC								
d Was the regulatory safe harbor for establishing the fair market value of the GIC satisfied?								
6 Were any gross proceeds invested beyond an available temporary period?		X		X				
7 Has the organization established written procedures to monitor the requirements of section 148?	X		X					

Part V Procedures To Undertake Corrective Action

	A		B		C		D	
	Yes	No	Yes	No	Yes	No	Yes	No
Has the organization established written procedures to ensure that violations of federal tax requirements are timely identified and corrected through the voluntary closing agreement program if self-remediation is not available under applicable regulations?	X		X					

Part VI Supplemental Information. Provide additional information for responses to questions on Schedule K. (See instructions).

Return Reference	Explanation
PART II, LINE 3, BONDS A AND B	THE DIFFERENCE BETWEEN THE ISSUE PRICE LISTED IN PART I, COLUMN (E) AND THE TOTAL PROCEEDS OF ISSUE IN PART II, LINE 3 FOR BOND A AND B REPRESENT PREMIUMS OR DISCOUNTS.

Return Reference	Explanation
PART II, LINE 7	03/24/2010 - 34,525,000 CALIFORNIA EDUCATIONAL FACILITIES AUTHORITY (CEFA) - THIS ISSUE WAS USED TO REFUND \$17.5 MILLION OF 1993 SERIES B CALIFORNIA EDUCATIONAL FACILITIES AUTHORITY REVENUE TAX EXEMPT BONDS AND \$18.3 MILLION OF 2006 SERIES A CEFA REFUNDING REVENUE TAX-EXEMPT BONDS WHICH REFUNDED ALL OUTSTANDING 1993 SERIES A CALIFORNIA EDUCATIONAL FACILITIES AUTHORITY REVENUE TAX EXEMPT BONDS. 1993 SERIES A & B BONDS WERE USED TO FINANCE THE MAGELLAN TELESCOPE PROJECT AND THE RENOVATION OF THE FACILITIES OF THE OBSERVATORIES AT PASADENA. THE TELESCOPE PROJECT WAS COMPLETED IN 2003. THE 2010 SERIES WAS ISSUED AT A PREMIUM OF \$1,840,183 AND AMOUNTS IN EXCESS OF \$35.8 MILLION WERE USED TO COVER ISSUANCE COSTS.

Return Reference	Explanation
PART II, LINE 7	02/04/2010 - 30,580,000 MARYLAND HEALTH & HIGHER EDUCATIONAL FACILITIES (MHHEFA) - THIS ISSUE WAS USED TO REFUND PRIOR MHHEFA BONDS OF \$30 MILLION ISSUED IN OCTOBER, 2002, THE PROCEEDS OF WHICH WERE USED TO CONSTRUCT AND EQUIP A NEW FACILITY FOR CARNEGIE'S DEPARTMENT OF EMBRYOLOGY ON THE JOHNS HOPKINS HOMEWOOD CAMPUS IN BALTIMORE, MARYLAND. CONSTRUCTION BEGAN IN APRIL 2003 AND THE FACILITY WAS OCCUPIED IN SEPTEMBER 2005. THE 2010 SERIES WAS ISSUED AT A DISCOUNT OF \$74,561 AND AMOUNTS BORROWED IN EXCESS OF \$30 MILLION WERE USED TO COVER ISSUANCE COSTS.

Schedule L
(Form 990 or 990-EZ)

Transactions with Interested Persons

OMB No. 1545-0047

2019

Open to Public Inspection

▶ **Complete if the organization answered "Yes" on Form 990, Part IV, lines 25a, 25b, 26, 27, 28a, 28b, or 28c, or Form 990-EZ, Part V, line 38a or 40b.**
▶ **Attach to Form 990 or Form 990-EZ.**
▶ **Go to www.irs.gov/Form990 for instructions and the latest information.**

Department of the Treasury
Internal Revenue Service

Name of the organization
CARNEGIE INSTITUTION OF WASHINGTON

Employer identification number
53-0196523

Part I Excess Benefit Transactions (section 501(c)(3), section 501(c)(4), and section 501(c)(29) organizations only).
Complete if the organization answered "Yes" on Form 990, Part IV, line 25a or 25b, or Form 990-EZ, Part V, line 40b.

1	(a) Name of disqualified person	(b) Relationship between disqualified person and organization	(c) Description of transaction	(d) Corrected?	
				Yes	No

2 Enter the amount of tax incurred by the organization managers or disqualified persons during the year under section 4958. ▶ \$ _____

3 Enter the amount of tax, if any, on line 2, above, reimbursed by the organization. ▶ \$ _____

Part II Loans to and/or From Interested Persons.
Complete if the organization answered "Yes" on Form 990-EZ, Part V, line 38a, or Form 990, Part IV, line 26; or if the organization reported an amount on Form 990, Part X, line 5, 6, or 22

(a) Name of interested person	(b) Relationship with organization	(c) Purpose of loan	(d) Loan to or from the organization?		(e) Original principal amount	(f) Balance due	(g) In default?		(h) Approved by board or committee?		(i) Written agreement?	
			To	From			Yes	No	Yes	No	Yes	No
(1) SEUNG YON RHEE	DEPT DIR	MORTGAGE		X	381,616	309,667		No	Yes		Yes	
Total						▶ \$	309,667					

Part III Grants or Assistance Benefiting Interested Persons.
Complete if the organization answered "Yes" on Form 990, Part IV, line 27.

(a) Name of interested person	(b) Relationship between interested person and the organization	(c) Amount of assistance	(d) Type of assistance	(e) Purpose of assistance

Part IV Business Transactions Involving Interested Persons.

Complete if the organization answered "Yes" on Form 990, Part IV, line 28a, 28b, or 28c.

(a) Name of interested person	(b) Relationship between interested person and the organization	(c) Amount of transaction	(d) Description of transaction	(e) Sharing of organization's revenues?	
				Yes	No

Part V Supplemental Information

Provide additional information for responses to questions on Schedule L (see instructions).

Return Reference	Explanation

**SCHEDULE M
(Form 990)**

Noncash Contributions

OMB No. 1545-0047

2019

▶ **Complete if the organizations answered "Yes" on Form 990, Part IV, lines 29 or 30.**
 ▶ **Attach to Form 990.**
 ▶ **Go to www.irs.gov/Form990 for the latest information.**

Open to Public Inspection

Department of the Treasury
Internal Revenue Service

Name of the organization
CARNEGIE INSTITUTION OF WASHINGTON

Employer identification number
53-0196523

Part I Types of Property

	(a) Check if applicable	(b) Number of contributions or items contributed	(c) Noncash contribution amounts reported on Form 990, Part VIII, line 1g	(d) Method of determining noncash contribution amounts
1 Art—Works of art				
2 Art—Historical treasures				
3 Art—Fractional interests				
4 Books and publications				
5 Clothing and household goods				
6 Cars and other vehicles				
7 Boats and planes				
8 Intellectual property				
9 Securities—Publicly traded	X	3	20,546	FMV
10 Securities—Closely held stock				
11 Securities—Partnership, LLC, or trust interests				
12 Securities—Miscellaneous				
13 Qualified conservation contribution—Historic structures				
14 Qualified conservation contribution—Other				
15 Real estate—Residential				
16 Real estate—Commercial				
17 Real estate—Other				
18 Collectibles				
19 Food inventory				
20 Drugs and medical supplies				
21 Taxidermy				
22 Historical artifacts				
23 Scientific specimens				
24 Archeological artifacts	X	1	11,700	COST
25 Other ▶ (<u>EQUIPMENT</u>)	X	1	700	COST
26 Other ▶ (_____)				
27 Other ▶ (_____)				
28 Other ▶ (_____)				

29 Number of Forms 8283 received by the organization during the tax year for contributions for which the organization completed Form 8283, Part IV, Donee Acknowledgement **29** 2

	Yes	No
30a During the year, did the organization receive by contribution any property reported in Part I, lines 1 through 28, that it must hold for at least three years from the date of the initial contribution, and which isn't required to be used for exempt purposes for the entire holding period?		No
b If "Yes," describe the arrangement in Part II.		
31 Does the organization have a gift acceptance policy that requires the review of any nonstandard contributions?	Yes	
32a Does the organization hire or use third parties or related organizations to solicit, process, or sell noncash contributions?		No
b If "Yes," describe in Part II.		
33 If the organization didn't report an amount in column (c) for a type of property for which column (a) is checked, describe in Part II.		

Part II **Supplemental Information.** Provide the information required by Part I, lines 30b, 32b, and 33, and whether the organization is reporting in Part I, column (b), the number of contributions, the number of items received, or a combination of both. Also complete this part for any additional information.

Return Reference	Explanation
PART I, COLUMN (B):	NUMBER OF CONTRIBUTIONS THE ORGANIZATION IS REPORTING THE NUMBER OF CONTRIBUTIONS IN COLUMN (B).

SCHEDULE O
(Form 990 or 990-EZ)

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

2019

Open to Public Inspection

Department of the Treasury

Name of the organization

CARNEGIE INSTITUTION OF WASHINGTON

Employer identification number

53-0196523

990 Schedule O, Supplemental Information

Return Reference	Explanation
FORM 990, PART I, LINE 1, DESCRIPTION OF ORGANIZATION MISSION:	THE CONDUCT OF SCIENTIFIC DISCOVERY, RESEARCH AND EDUCATION IN THE FIELDS OF PLANT BIOLOGY, DEVELOPMENTAL BIOLOGY, EARTH AND PLANETARY SCIENCES, ASTRONOMY, AND GLOBAL ECOLOGY.

990 Schedule O, Supplemental Information

Return Reference	Explanation
FORM 990, PART III, LINE 1	THE MISSION OF THE CARNEGIE INSTITUTION OF WASHINGTON, AS SET FORTH IN ITS ARTICLES OF INCORPORATION UNDER AN ACT OF CONGRESS IN 1904, IS "TO ENCOURAGE, IN THE BROADEST AND MOST LIBERAL MANNER, INVESTIGATION, RESEARCH, AND DISCOVERY, AND THE APPLICATION OF KNOWLEDGE TO THE IMPROVEMENT OF MANKIND."

990 Schedule O, Supplemental Information

Return Reference	Explanation
FORM 990, PART III, LINE 4A	<p>PROGRAM SERVICE ACTIVITY #1 CARNEGIE IS A WORLD-RENOWNED CENTER FOR PETROLOGY-THE STUDY OF ROCKS. IT IS ALSO A GLOBAL LEADER IN HIGH-PRESSURE AND HIGH-TEMPERATURE PHYSICS, WHICH EN ABLES OUR SCIENTISTS TO MAKE SIGNIFICANT CONTRIBUTIONS TO EARTH, PLANETARY AND MATERIAL SC IENCES. CARNEGIE IS LEADING AN INTERNATIONAL, MULTI-INSTITUTION, CROSS-DISCIPLINARY INITIA TIVE DEDICATED TO ACHIEVING A TRANSFORMATIONAL UNDERSTANDING OF EARTH'S DEEP CARBON CYCLE, INCLUDING ITS POORLY CONSTRAINED RESERVOIRS AND FLUXES; THE UNKNOWN ROLE OF DEEP BIOLOGY; AND THE UNEXPLORED INFLUENCES OF THE DEEP CARBON CYCLE ON CRITICAL SOCIETAL CONCERNS RELA TED TO ENERGY, THE ENVIRONMENT, AND CLIMATE. CARNEGIE RESEARCHERS ARE CONTRIBUTING TO INTE RDISCIPLINARY EFFORTS INVESTIGATING HOW LIFE EVOLVED ON THIS PLANET AND DETERMINING ITS PO TENTIAL FOR EXISTING ELSEWHERE. CARNEGIE OBSERVATIONAL AND THEORETICAL ASTRONOMERS COLLABO RATE TO TRACE THE EVOLUTION OF THE UNIVERSE FROM THE SPARK OF THE BIG BANG THROUGH STAR AN D GALAXY FORMATION; EXPLORE THE STRUCTURE OF THE UNIVERSE; AND PROBE THE MYSTERIES OF DARK MATTER, DARK ENERGY, AND THE EVER-ACCELERATING RATE AT WHICH THE UNIVERSE IS EXPANDING. U NLIKE MOST IN THEIR FIELD, CARNEGIE OBSERVATIONAL ASTRONOMERS DESIGN AND BUILD THEIR OWN I NSTRUMENTS TO CAPTURE THE SECRETS OF SPACE. CARNEGIE OPERATES TELESCOPES IN LAS CAMPANAS, CHILE, AT WHICH MUCH OF OUR ASTRONOMICAL RESEARCH IS CONDUCTED. WE ARE FOUNDING PARTNERS I N A CONSORTIUM THAT IS WORKING TO DESIGN, CONSTRUCT, AND OPERATE THE GIANT MAGELLAN TELESC OPE, ONE OF THE NEW CLASS OF EXTREMELY LARGE TELESCOPES, WHICH WILL BE AMONG THE WORLD'S L ARGEST GROUND-BASED OPTICAL/INFRARED FACILITIES ONCE IT IS COMPLETED. CARNEGIE ALSO INCLUD ES INTERDISCIPLINARY TEAMS OF ASTRONOMERS AND ASTROPHYSICISTS, GEOPHYSICISTS AND GEOCHEMIS TS, COSMOCHEMISTS AND PLANETARY SCIENTISTS. THESE GROUPS ARE DISCOVERING PLANETS ORBITING DISTANT STARS; PROBING THE FORMATION AND EVOLUTION OF EARTH, THE MOON, AND OUR SOLAR SYSTE M; AND STUDYING THE CAUSES OF EARTHQUAKES, VOLCANOES, AND OTHER GEOLOGIC PHENOMENA. USING INNOVATIVE APPROACHES TO ECOLOGICAL RESEARCH, CARNEGIE SCIENTISTS ARE UNTANGLING THE COMPL ICATED INTERACTIONS BETWEEN EARTH'S LAND, ATMOSPHERE, AND OCEANS TO UNDERSTAND HOW GLOBAL SYSTEMS OPERATE. DEPLOYING A WIDE RANGE OF POWERFUL TOOLS-FROM SATELLITES TO MOLECULAR BIO LOGY TECHNIQUES-THESE SCIENTISTS EXPLORE ISSUES SUCH AS THE GLOBAL CARBON CYCLE, THE ROLE OF LAND AND OCEANIC ECOSYSTEMS, AND OCEAN ACIDIFICATION. OUR ECOLOGISTS ALSO PLAY AN ACTIV E ROLE IN THE PUBLIC ARENA, FROM SERVING ON NATIONAL PANELS AND COMMITTEES THAT INVESTIGAT E CLIMATE CHANGE TO IDENTIFYING ENVIRONMENTAL HOT SPOTS FOR CONSERVATION EFFORTS. CARNEGIE BIOLOGISTS REVEAL CRUCIAL BIOCHEMICAL PATHWAYS AND THE GENES THAT ENCODE THEIR FUNCTIONS IN MICROBES, PLANTS, AND ANIMALS. TOGETHER WITH OUR LONGSTANDING EXPERTISE IN MODEL SYSTEM DEVELOPMENT, THIS WORK PROVIDES A FOUNDATION FOR EXPLORING NEW RESEARCH AVENUES THAT DEPLY CELLULAR AND MOLECULAR APPR</p>

990 Schedule O, Supplemental Information

Return Reference	Explanation
FORM 990, PART III, LINE 4A	OACHES TO UNDERSTAND ECOSYSTEM-WIDE AND GLOBAL PHENOMENA RELATED TO CLIMATE CHANGE, INCLUDING CORAL BLEACHING. THEY ALSO STUDY INTERACTIONS BETWEEN THE SPECIES THAT MAKE UP BACTERIAL COMMUNITY ECOSYSTEMS. OUR RESEARCHERS ARE DEMONSTRATING THAT THE INTERSPECIES RELATIONSHIPS IN THE GUT MICROBIOME AFFECT OUR HEALTH, FERTILITY, AND LONGEVITY. SIMILAR DYNAMICS ALLOW MICROBIAL MATS TO THRIVE IN HOT SPRINGS; UNDERSTANDING THEM IMPROVES OUR KNOWLEDGE OF HOW LIFE ADAPTS TO EXTREME CONDITIONS.

990 Schedule O, Supplemental Information

Return Reference	Explanation
FORM 990, PART III, LINE 4B	<p>PROGRAM SERVICE ACTIVITY #2 EDUCATION - CARNEGIE, A NON-DEGREE GRANTING ENTITY, IS AN ADVANCED STUDY ORGANIZATION AT WHICH HIGHLY QUALIFIED GRADUATE SCIENTISTS ARE OFFERED POSTGRADUATE AND POSTDOCTORAL TRAINING FOR CAREERS IN EDUCATION AND RESEARCH. CARNEGIE'S POSTDOCTORAL SCIENTIFIC EDUCATION IS PRIMARILY CONDUCTED IN THE LABORATORY OR IN THE FIELD. THE POSTDOCTORAL CURRICULUM IS HEAVILY WEIGHTED TOWARD TRAINING CANDIDATES TO BE CAPABLE RESEARCHERS AND TEACHERS OF RESEARCH. THE FACULTY CONSISTS OF THE PROFESSIONAL STAFF OF CARNEGIE, ALL OF WHOM PURSUE THEIR OWN RESEARCH. CARNEGIE ALSO OFFERS CERTAIN TRAINING OPPORTUNITIES FOR PREDOCTORAL STUDENTS WHO MAY GO ON TO PURSUE ADVANCED DEGREES AT DEGREE-GRANTING INSTITUTIONS, AS WELL AS INTERNSHIP OPPORTUNITIES, BOTH THROUGH FORMAL PROGRAMS AND ON AN INDIVIDUAL, CASE-BY-CASE BASIS. THE FORMAL PROGRAMS, IN PARTICULAR, MAKE AN EFFORT TO PROVIDE RESEARCH OPPORTUNITIES AND ENCOURAGEMENT FOR CONSIDERING STEM CAREERS TO GROUPS WHO ARE TRADITIONALLY UNDERREPRESENTED IN MATHEMATICS AND THE PHYSICAL SCIENCES. CARNEGIE PROGRAMS ALSO TRAIN PUBLIC ELEMENTARY SCHOOL TEACHERS ON HOW TO INCORPORATE INTERACTIVE SCIENCE INSTRUCTION INTO ALL ASPECTS OF THE CURRICULUM; HELPS IMPROVE THE INSTRUCTION OF MATHEMATICS EDUCATION OF PUBLIC SCHOOL CHILDREN BY TRAINING INDIVIDUALS WITH MATHEMATICS OR RELATED DEGREES TO BECOME CLASSROOM INSTRUCTORS; INTRODUCES AND TRAINS HIGH SCHOOL STUDENTS TO CAREER EDUCATION PATHWAYS IN THE FIELD OF BIOTECHNOLOGY; AND MAKES INFORMATION AVAILABLE CONCERNING CARNEGIE'S SCIENTIFIC RESEARCH FINDINGS TO STUDENTS AND THE GENERAL PUBLIC.</p>

990 Schedule O, Supplemental Information

Return Reference	Explanation
FORM 990, PART VI, SECTION A, LINE 2	FAMILY RELATIONSHIPS CHRISTOPHER STONE AND JOHN CRAWFORD: BUSINESS RELATIONSHIP

990 Schedule O, Supplemental Information

Return Reference	Explanation
FORM 990, PART VI, SECTION B, LINE 11B	FORM 990 REVIEW PROCESS CARNEGIE'S FINANCE DEPARTMENT, SENIOR STAFF AND ITS INDEPENDENT PAID PREPARER, GRANT THORNTON, WORK TOGETHER TO PREPARE AND REVIEW THE FORM 990. THE DRAFT FORM 990 IS THEN DISTRIBUTED TO MEMBERS OF THE AUDIT COMMITTEE OF THE BOARD OF TRUSTEES FOR REVIEW AND COMMENT. AFTER THE AUDIT COMMITTEE HAS REVIEWED THE RETURN AND ITS FEEDBACK HAS BEEN INCORPORATED, THE RETURN IS DISTRIBUTED TO ALL MEMBERS OF THE BOARD OF TRUSTEES FOR REVIEW AND COMMENT BEFORE IT IS FILED WITH THE IRS. TRUSTEES ARE ENCOURAGED TO CONTACT THE CHIEF OPERATING OFFICER OR DIRECTOR OF FINANCE WITH ANY QUESTIONS.

990 Schedule O, Supplemental Information

Return Reference	Explanation
FORM 990, PART VI, SECTION B, LINE 12C	CONFLICT OF INTEREST POLICY CARNEGIE HAS ADOPTED CONFLICT OF INTEREST POLICIES THAT APPLY TO THE INSTITUTION'S TRUSTEES, CORPORATE OFFICERS, AND EMPLOYEES. THESE POLICIES REQUIRE EACH TRUSTEE TO COMPLETE ANNUALLY A FORM TO DISCLOSE ANY POTENTIAL CONFLICTS OF INTEREST. THE FORMS ARE COLLECTED BY THE CORPORATE SECRETARY, AND ANY DISCLOSURES ARE SUBSEQUENTLY PROVIDED TO THE BOARD OF TRUSTEES OR RELEVANT COMMITTEE OF THE BOARD FOR REVIEW AND APPROVAL. SIMILARLY, ALL EMPLOYEES OF CARNEGIE (INCLUDING CORPORATE OFFICERS) ARE REQUIRED, UPON HIRING AND ANNUALLY THEREAFTER, TO REPORT THEIR POTENTIAL CONFLICTS OF INTEREST. DEPARTMENT DIRECTORS REVIEW ALL POTENTIAL CONFLICTS IN THEIR DEPARTMENTS. THE PRESIDENT REVIEWS ALL POTENTIAL CONFLICTS FOR DEPARTMENT DIRECTORS. THE BOARD OF TRUSTEES REVIEWS ALL POTENTIAL CONFLICTS FOR THE CORPORATE OFFICERS. THROUGHOUT THE YEAR, EACH INDIVIDUAL SUBJECT TO THE CONFLICT OF INTEREST POLICIES IS REQUIRED TO UPDATE HIS/HER DISCLOSURE STATEMENT TO INCLUDE ANY INFORMATION REQUIRED TO BE DISCLOSED. THE SIGNED EMPLOYEE DISCLOSURE FORMS ARE KEPT IN THE EMPLOYEE'S PERSONNEL FILE.

990 Schedule O, Supplemental Information

Return Reference	Explanation
FORM 990, PART VI, SECTION B, LINE 15	<p>PROCESS FOR DETERMINING EXECUTIVE COMPENSATION CARNEGIE ENGAGES AN INDEPENDENT COMPENSATION CONSULTING FIRM TO CONDUCT A COMPENSATION STUDY TO EVALUATE THE REASONABLENESS OF THE TOTAL PROPOSED COMPENSATION FOR THE ORGANIZATION'S "DISQUALIFIED PERSONS" UNDER TREAS. REG. 53.4958-3 WITHOUT REGARD TO WHETHER THE PERSON HAS BEEN ELECTED AN OFFICER. THE INDEPENDENT COMPENSATION STUDY FOCUSES ON THE COMPENSATION PAID TO FUNCTIONALLY COMPARABLE POSITIONS AT SIMILARLY-SITUATED ORGANIZATIONS AND ALSO CONSIDERS INDUSTRY COMPENSATION SURVEYS. THE COMPENSATION STUDY IS PROVIDED TO THE ORGANIZATION'S HUMAN RESOURCES AND COMPENSATION COMMITTEE, TOGETHER WITH A REASONED WRITTEN OPINION FROM THE COMPENSATION CONSULTANT THAT THE PROPOSED COMPENSATION ARRANGEMENTS FOR THE DISQUALIFIED PERSONS ARE "REASONABLE" WITHIN THE MEANING OF TREAS. REG. 53.4958-4(B)(1)(II)(A). THE HUMAN RESOURCES AND COMPENSATION COMMITTEE SETS COMPENSATION FOR EACH DISQUALIFIED PERSON AND MAKES A RECOMMENDATION TO THE FULL BOARD OF TRUSTEES WITH RESPECT TO COMPENSATION FOR THE PRESIDENT. THE FULL BOARD THEN REVIEWS THE COMPENSATION STUDY AND OPINION FOR THE PRESIDENT TOGETHER WITH THE RECOMMENDATION OF THE HUMAN RESOURCES AND COMPENSATION COMMITTEE AND MAKES A DECISION WITH RESPECT TO THE PRESIDENT'S COMPENSATION. THE HUMAN RESOURCES AND COMPENSATION COMMITTEE AND BOARD RELY ON THE COMPENSATION CONSULTANT'S OPINION AND COMPENSATION STUDY TO GUIDE ITS REVIEW, DELIBERATION, AND APPROVAL OF THE PROPOSED COMPENSATION ARRANGEMENTS, AND ITS DECISIONS REGARDING COMPENSATION (INCLUDING THE BASES FOR THESE DECISIONS) ARE DOCUMENTED IN THE MEETING MINUTES. THE HUMAN RESOURCES AND COMPENSATION COMMITTEE AND TRUSTEES WHO VOTE ON COMPENSATION FOR DISQUALIFIED PERSONS AND THE PRESIDENT DO NOT HAVE A CONFLICT OF INTEREST WITH REGARD TO THESE COMPENSATION ARRANGEMENTS.</p>

990 Schedule O, Supplemental Information

Return Reference	Explanation
FORM 990, PART VI, SECTION C, LINE 19	MAKING ORGANIZATIONAL DOCUMENTS AVAILABLE TO THE PUBLIC IN ACCORDANCE WITH TREAS. REG. 301.6104(D)-1(A)(1) AND IRS NOTICE 2007-45, COPIES OF CARNEGIE'S THREE MOST RECENT FORMS 990 ARE MADE AVAILABLE FOR INSPECTION BY THE PUBLIC DURING REGULAR BUSINESS HOURS AT CARNEGIE'S OFFICE IN WASHINGTON, DC. CARNEGIE'S MOST RECENT FORM 990 IS ALSO MADE AVAILABLE TO THE PUBLIC ON THE INSTITUTION'S WEBSITE. THE ORGANIZATION MAKES ITS GOVERNING DOCUMENTS AVAILABLE TO THE EXTENT REQUIRED BY LAW. THE ORGANIZATION'S AUDITED FINANCIAL STATEMENTS AND STAFF CONFLICT OF INTEREST POLICY ARE ALSO MADE AVAILABLE TO THE PUBLIC UPON REQUEST.

990 Schedule O, Supplemental Information

Return Reference	Explanation
FORM 990, PART XI, LINE 9:	UNREALIZED SWAP GAIN/(LOSS) -710,640. PERIODIC POSTRETIREMENT BENEFIT COST -3,648,999. UNREALIZED FX GAIN/(LOSS) -471.

**SCHEDULE R
(Form 990)**

Related Organizations and Unrelated Partnerships

OMB No. 1545-0047

2019

**Open to Public
Inspection**

▶ **Complete if the organization answered "Yes" on Form 990, Part IV, line 33, 34, 35b, 36, or 37.**
▶ **Attach to Form 990.**
▶ **Go to www.irs.gov/Form990 for instructions and the latest information.**

Department of the Treasury
Internal Revenue Service

Name of the organization
CARNEGIE INSTITUTION OF WASHINGTON

Employer identification number
53-0196523

Part I Identification of Disregarded Entities. Complete if the organization answered "Yes" on Form 990, Part IV, line 33.

(a) Name, address, and EIN (if applicable) of disregarded entity	(b) Primary activity	(c) Legal domicile (state or foreign country)	(d) Total income	(e) End-of-year assets	(f) Direct controlling entity

Part II Identification of Related Tax-Exempt Organizations. Complete if the organization answered "Yes" on Form 990, Part IV, line 34 because it had one or more related tax-exempt organizations during the tax year.

(a) Name, address, and EIN of related organization	(b) Primary activity	(c) Legal domicile (state or foreign country)	(d) Exempt Code section	(e) Public charity status (if section 501(c)(3))	(f) Direct controlling entity	(g) Section 512(b)(13) controlled entity?	
						Yes	No

Part III Identification of Related Organizations Taxable as a Partnership. Complete if the organization answered "Yes" on Form 990, Part IV, line 34, because it had one or more related organizations treated as a partnership during the tax year.

(a) Name, address, and EIN of related organization	(b) Primary activity	(c) Legal domicile (state or foreign country)	(d) Direct controlling entity	(e) Predominant income (related, unrelated, excluded from tax under sections 512-514)	(f) Share of total income	(g) Share of end-of-year assets	(h) Disproportionate allocations?		(i) Code V-UBI amount in box 20 of Schedule K-1 (Form 1065)	(j) General or managing partner?		(k) Percentage ownership
							Yes	No		Yes	No	

Part IV Identification of Related Organizations Taxable as a Corporation or Trust. Complete if the organization answered "Yes" on Form 990, Part IV, line 34 because it had one or more related organizations treated as a corporation or trust during the tax year.

(a) Name, address, and EIN of related organization	(b) Primary activity	(c) Legal domicile (state or foreign country)	(d) Direct controlling entity	(e) Type of entity (C corp, S corp, or trust)	(f) Share of total income	(g) Share of end-of-year assets	(h) Percentage ownership	(i) Section 512(b)(13) controlled entity?	
								Yes	No
(1) CARNEGIE SCIENCE HOLDINGS 813 SANTA BARBARA STREET PASADENA, CA 91101 84-3506481	HOLDING	DE	CIS	C	-2,793	-14,755	100.000 %	Yes	

Part V Transactions With Related Organizations. Complete if the organization answered "Yes" on Form 990, Part IV, line 34, 35b, or 36.

Note. Complete line 1 if any entity is listed in Parts II, III, or IV of this schedule.

	Yes	No
1 During the tax year, did the organization engage in any of the following transactions with one or more related organizations listed in Parts II-IV?		
a Receipt of (i) interest, (ii) annuities, (iii) royalties, or (iv) rent from a controlled entity	1a	No
b Gift, grant, or capital contribution to related organization(s)	1b	No
c Gift, grant, or capital contribution from related organization(s)	1c	No
d Loans or loan guarantees to or for related organization(s)	1d	No
e Loans or loan guarantees by related organization(s)	1e	No
f Dividends from related organization(s)	1f	No
g Sale of assets to related organization(s)	1g	No
h Purchase of assets from related organization(s)	1h	No
i Exchange of assets with related organization(s)	1i	No
j Lease of facilities, equipment, or other assets to related organization(s)	1j	No
k Lease of facilities, equipment, or other assets from related organization(s)	1k	No
l Performance of services or membership or fundraising solicitations for related organization(s)	1l	No
m Performance of services or membership or fundraising solicitations by related organization(s)	1m	No
n Sharing of facilities, equipment, mailing lists, or other assets with related organization(s)	1n	No
o Sharing of paid employees with related organization(s)	1o	No
p Reimbursement paid to related organization(s) for expenses	1p	No
q Reimbursement paid by related organization(s) for expenses	1q	No
r Other transfer of cash or property to related organization(s)	1r	Yes
s Other transfer of cash or property from related organization(s)	1s	No

2 If the answer to any of the above is "Yes," see the instructions for information on who must complete this line, including covered relationships and transaction thresholds.

(a) Name of related organization	(b) Transaction type (a-s)	(c) Amount involved	(d) Method of determining amount involved

Part VII **Supplemental Information**

Provide additional information for responses to questions on Schedule R. (see instructions).

Return Reference	Explanation