

Return of Organization Exempt From Income Tax

2016

Open to Public Inspection

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

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

▶ Information about Form 990 and its instructions is at www.irs.gov/form990.

Department of the Treasury
Internal Revenue Service

A For the 2016 calendar year, or tax year beginning 07/01, 2016, and ending 06/30, 20 17

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 _____
 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, 20005-1910

D Employer identification number
53-0196523

E Telephone number
202-387-6400

F Name and address of principal officer: MATTHEW SCOTT
1530 P STREET NW, WASHINGTON, DC 20005

G Gross receipts \$ 693,809,970

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)

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

H(c) Group exemption number ▶

Part I Summary

Activities & Governance	1	Briefly describe the organization's mission or most significant activities: <u>The conduct of scientific discovery, research and education in the fields of plant biology, developmental biology, earth and planetary sciences, astronomy, and global ecology</u>		
	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)	3	24
	4	Number of independent voting members of the governing body (Part VI, line 1b)	4	24
	5	Total number of individuals employed in calendar year 2016 (Part V, line 2a)	5	520
	6	Total number of volunteers (estimate if necessary)	6	0
	7a	Total unrelated business revenue from Part VIII, column (C), line 12	7a	151,777
b	Net unrelated business taxable income from Form 990-T, line 34	7b	-157,925	
Revenue	8	Contributions and grants (Part VIII, line 1h)	Prior Year 37,111,828	Current Year 33,826,174
	9	Program service revenue (Part VIII, line 2g)	6,316,450	6,456,343
	10	Investment income (Part VIII, column (A), lines 3, 4, and 7d)	28,342,419	105,948,059
	11	Other revenue (Part VIII, column (A), lines 5, 6d, 8c, 9c, 10c, and 11e)	1,175,920	1,071,310
	12	Total revenue—add lines 8 through 11 (must equal Part VIII, column (A), line 12)	72,946,617	147,301,886
Expenses	13	Grants and similar amounts paid (Part IX, column (A), lines 1–3)	5,246,271	5,153,364
	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)	50,987,746	52,068,501
	16a	Professional fundraising fees (Part IX, column (A), line 11e)	0	0
	b	Total fundraising expenses (Part IX, column (D), line 25) ▶ <u>1,895,480</u>		
	17	Other expenses (Part IX, column (A), lines 11a–11d, 11f–24e)	45,078,906	43,075,940
18	Total expenses. Add lines 13–17 (must equal Part IX, column (A), line 25)	101,312,923	100,297,805	
19	Revenue less expenses. Subtract line 18 from line 12	-28,366,306	47,004,081	
Net Assets or Fund Balances	20	Total assets (Part X, line 16)	Beginning of Current Year 1,136,045,174	End of Year 1,204,970,912
	21	Total liabilities (Part X, line 26)	179,859,720	185,774,092
	22	Net assets or fund balances. Subtract line 21 from line 20	956,185,454	1,019,196,820

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 _____
Timothy Doyle, Chief Operating Officer
 Type or print name and title

Paid Preparer Use Only

Print/Type preparer's name _____ Preparer's signature _____ Date _____ Check if self-employed PTIN _____
 Firm's name ▶ _____ Firm's EIN ▶ _____
 Firm's address ▶ _____ Phone no. _____

May the IRS discuss this return with the preparer shown above? (see instructions) Yes No

Part III Statement of Program Service Accomplishments

Check if Schedule O contains a response or note to any line in this Part III Yes No

1 Briefly describe the organization's mission:

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."

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 \$ 67,872,139 including grants of \$ 0) (Revenue \$ 0)

Carnegie investigators are leaders in the fields of plant biology, developmental biology, earth and planetary sciences, astronomy and global ecology. Using molecular genetics and related methods, Carnegie biologists study the genes responsible for plant responses to light and the genetic controls over various growth and developmental processes including those that enable plants to survive disease and environmental stress. In addition, the department is a world leader in bioinformatics. It developed and now manages an online-integrated database, one of the most widely used biological databases in the world, that supplies all aspects of biological information on the most widely used model plant, Arabidopsis. Researchers in developmental biology address fundamental questions in animal development and genetics at the cellular and molecular levels. Some researchers investigate the genetic programming behind cellular processes as cells develop, while others explore the genes that control growth and obesity, stimulate stem cells to become specialized body parts, and perform many other functions. Other researchers examine the physics and chemistry of Earth's deep interior and (Continued on Schedule O, Statement 1)

4b (Code:) (Expenses \$ 11,015,700 including grants of \$ 5,153,363) (Revenue \$ 0)

Education. Carnegie, a non-degree granting entity, is an advanced study organization at which highly qualified graduate scientists are offered postgraduate and post doctoral training for careers in education and research. Carnegie's postdoctoral scientific education is mostly 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 pursue formal degrees at degree-granting institutions. Carnegie programs also train public elementary school teachers 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.

4c (Code:) (Expenses \$ 0 including grants of \$ 0) (Revenue \$ 0)

None

4d Other program services (Describe in Schedule O.)
(Expenses \$ 0 including grants of \$ 0) (Revenue \$ 0)

4e Total program service expenses **78,887,839**

Part IV Checklist of Required Schedules

	Yes	No
1 Is the organization described in section 501(c)(3) or 4947(a)(1) (other than a private foundation)? <i>If "Yes," complete Schedule A</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2 Is the organization required to complete <i>Schedule B, Schedule of Contributors</i> (see instructions)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3 Did the organization engage in direct or indirect political campaign activities on behalf of or in opposition to candidates for public office? <i>If "Yes," complete Schedule C, Part I</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4 Section 501(c)(3) organizations. Did the organization engage in lobbying activities, or have a section 501(h) election in effect during the tax year? <i>If "Yes," complete Schedule C, Part II</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5 Is the organization a section 501(c)(4), 501(c)(5), or 501(c)(6) organization that receives membership dues, assessments, or similar amounts as defined in Revenue Procedure 98-19? <i>If "Yes," complete Schedule C, Part III</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Did the organization maintain any donor advised funds or any similar funds or accounts for which donors have the right to provide advice on the distribution or investment of amounts in such funds or accounts? <i>If "Yes," complete Schedule D, Part I</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7 Did the organization receive or hold a conservation easement, including easements to preserve open space, the environment, historic land areas, or historic structures? <i>If "Yes," complete Schedule D, Part II</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8 Did the organization maintain collections of works of art, historical treasures, or other similar assets? <i>If "Yes," complete Schedule D, Part III</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9 Did the organization report an amount in Part X, line 21, for escrow or custodial account liability, serve as a custodian for amounts not listed in Part X; or provide credit counseling, debt management, credit repair, or debt negotiation services? <i>If "Yes," complete Schedule D, Part IV</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
10 Did the organization, directly or through a related organization, hold assets in temporarily restricted endowments, permanent endowments, or quasi-endowments? <i>If "Yes," complete Schedule D, Part V</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11 If the organization's answer to any of the following questions is "Yes," then complete Schedule D, Parts VI, VII, VIII, IX, or X as applicable.		
a Did the organization report an amount for land, buildings, and equipment in Part X, line 10? <i>If "Yes," complete Schedule D, Part VI</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b Did the organization report an amount for investments—other securities in Part X, line 12 that is 5% or more of its total assets reported in Part X, line 16? <i>If "Yes," complete Schedule D, Part VII</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c Did the organization report an amount for investments—program related in Part X, line 13 that is 5% or more of its total assets reported in Part X, line 16? <i>If "Yes," complete Schedule D, Part VIII</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d Did the organization report an amount for other assets in Part X, line 15 that is 5% or more of its total assets reported in Part X, line 16? <i>If "Yes," complete Schedule D, Part IX</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e Did the organization report an amount for other liabilities in Part X, line 25? <i>If "Yes," complete Schedule D, Part X</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f Did the organization's separate or consolidated financial statements for the tax year include a footnote that addresses the organization's liability for uncertain tax positions under FIN 48 (ASC 740)? <i>If "Yes," complete Schedule D, Part X</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12 a Did the organization obtain separate, independent audited financial statements for the tax year? <i>If "Yes," complete Schedule D, Parts XI and XII</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b Was the organization included in consolidated, independent audited financial statements for the tax year? <i>If "Yes," and if the organization answered "No" to line 12a, then completing Schedule D, Parts XI and XII is optional</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
13 Is the organization a school described in section 170(b)(1)(A)(ii)? <i>If "Yes," complete Schedule E</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
14 a Did the organization maintain an office, employees, or agents outside of the United States?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b Did the organization have aggregate revenues or expenses of more than \$10,000 from grantmaking, fundraising, business, investment, and program service activities outside the United States, or aggregate foreign investments valued at \$100,000 or more? <i>If "Yes," complete Schedule F, Parts I and IV.</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15 Did the organization report on Part IX, column (A), line 3, more than \$5,000 of grants or other assistance to or for any foreign organization? <i>If "Yes," complete Schedule F, Parts II and IV</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
16 Did the organization report on Part IX, column (A), line 3, more than \$5,000 of aggregate grants or other assistance to or for foreign individuals? <i>If "Yes," complete Schedule F, Parts III and IV.</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
17 Did the organization report a total of more than \$15,000 of expenses for professional fundraising services on Part IX, column (A), lines 6 and 11e? <i>If "Yes," complete Schedule G, Part I (see instructions)</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
18 Did the organization report more than \$15,000 total of fundraising event gross income and contributions on Part VIII, lines 1c and 8a? <i>If "Yes," complete Schedule G, Part II</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
19 Did the organization report more than \$15,000 of gross income from gaming activities on Part VIII, line 9a? <i>If "Yes," complete Schedule G, Part III</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Part IV Checklist of Required Schedules *(continued)*

	Yes	No
20 a Did the organization operate one or more hospital facilities? <i>If "Yes," complete Schedule H</i>		✓
b If "Yes" to line 20a, did the organization attach a copy of its audited financial statements to this return?		
21 Did the organization report more than \$5,000 of grants or other assistance to any domestic organization or domestic government on Part IX, column (A), line 1? <i>If "Yes," complete Schedule I, Parts I and II</i>	✓	
22 Did the organization report more than \$5,000 of grants or other assistance to or for domestic individuals on Part IX, column (A), line 2? <i>If "Yes," complete Schedule I, Parts I and III</i>	✓	
23 Did the organization answer "Yes" to Part VII, Section A, line 3, 4, or 5 about compensation of the organization's current and former officers, directors, trustees, key employees, and highest compensated employees? <i>If "Yes," complete Schedule J</i>	✓	
24a Did the organization have a tax-exempt bond issue with an outstanding principal amount of more than \$100,000 as of the last day of the year, that was issued after December 31, 2002? <i>If "Yes," answer lines 24b through 24d and complete Schedule K. If "No," go to line 25a</i>	✓	
b Did the organization invest any proceeds of tax-exempt bonds beyond a temporary period exception?	✓	
c Did the organization maintain an escrow account other than a refunding escrow at any time during the year to defease any tax-exempt bonds?		✓
d Did the organization act as an "on behalf of" issuer for bonds outstanding at any time during the year?		✓
25a Section 501(c)(3), 501(c)(4), and 501(c)(29) organizations. Did the organization engage in an excess benefit transaction with a disqualified person during the year? <i>If "Yes," complete Schedule L, Part I</i>		✓
b Is the organization aware that it engaged in an excess benefit transaction with a disqualified person in a prior year, and that the transaction has not been reported on any of the organization's prior Forms 990 or 990-EZ? <i>If "Yes," complete Schedule L, Part I</i>		✓
26 Did the organization report any amount on Part X, line 5, 6, or 22 for receivables from or payables to any current or former officers, directors, trustees, key employees, highest compensated employees, or disqualified persons? <i>If "Yes," complete Schedule L, Part II</i>	✓	
27 Did the organization provide a grant or other assistance to an officer, director, trustee, key employee, substantial contributor or employee thereof, a grant selection committee member, or to a 35% controlled entity or family member of any of these persons? <i>If "Yes," complete Schedule L, Part III</i>		✓
28 Was the organization a party to a business transaction with one of the following parties (see Schedule L, Part IV instructions for applicable filing thresholds, conditions, and exceptions):		
a A current or former officer, director, trustee, or key employee? <i>If "Yes," complete Schedule L, Part IV</i>		✓
b A family member of a current or former officer, director, trustee, or key employee? <i>If "Yes," complete Schedule L, Part IV</i>		✓
c An entity of which a current or former officer, director, trustee, or key employee (or a family member thereof) was an officer, director, trustee, or direct or indirect owner? <i>If "Yes," complete Schedule L, Part IV</i>	✓	
29 Did the organization receive more than \$25,000 in non-cash contributions? <i>If "Yes," complete Schedule M</i>	✓	
30 Did the organization receive contributions of art, historical treasures, or other similar assets, or qualified conservation contributions? <i>If "Yes," complete Schedule M</i>	✓	
31 Did the organization liquidate, terminate, or dissolve and cease operations? <i>If "Yes," complete Schedule N, Part I</i>		✓
32 Did the organization sell, exchange, dispose of, or transfer more than 25% of its net assets? <i>If "Yes," complete Schedule N, Part II</i>		✓
33 Did the organization own 100% of an entity disregarded as separate from the organization under Regulations sections 301.7701-2 and 301.7701-3? <i>If "Yes," complete Schedule R, Part I</i>		✓
34 Was the organization related to any tax-exempt or taxable entity? <i>If "Yes," complete Schedule R, Part II, III, or IV, and Part V, line 1</i>		✓
35a Did the organization have a controlled entity within the meaning of section 512(b)(13)?		✓
b If "Yes" to line 35a, did the organization receive any payment from or engage in any transaction with a controlled entity within the meaning of section 512(b)(13)? <i>If "Yes," complete Schedule R, Part V, line 2</i>		
36 Section 501(c)(3) organizations. Did the organization make any transfers to an exempt non-charitable related organization? <i>If "Yes," complete Schedule R, Part V, line 2</i>		✓
37 Did the organization conduct more than 5% of its activities through an entity that is not a related organization and that is treated as a partnership for federal income tax purposes? <i>If "Yes," complete Schedule R, Part VI</i>		✓
38 Did the organization complete Schedule O and provide explanations in Schedule O for Part VI, lines 11b and 19? Note. All Form 990 filers are required to complete Schedule O.	✓	

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

		Yes	No		
1a	Enter the number reported in Box 3 of Form 1096. Enter -0- if not applicable	1a	286		
b	Enter the number of Forms W-2G included in line 1a. Enter -0- if not applicable	1b	0		
c	Did the organization comply with backup withholding rules for reportable payments to vendors and reportable gaming (gambling) winnings to prize winners?	1c	✓		
2a	Enter the number of employees reported on Form W-3, Transmittal of Wage and Tax Statements, filed for the calendar year ending with or within the year covered by this return	2a	520		
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	✓		
3a	Did the organization have unrelated business gross income of \$1,000 or more during the year?	3a	✓		
b	If "Yes," has it filed a Form 990-T for this year? If "No" to line 3b, provide an explanation in Schedule O	3b	✓		
4a	At any time during the calendar year, did the organization have an interest in, or a signature or other authority over, a financial account in a foreign country (such as a bank account, securities account, or other financial account)?	4a	✓		
b	If "Yes," enter the name of the foreign country: ► <u>Chile</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		✓	
b	Did any taxable party notify the organization that it was or is a party to a prohibited tax shelter transaction?	5b		✓	
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		✓	
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		✓	
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		✓	
d	If "Yes," indicate the number of Forms 8282 filed during the year	7d			
e	Did the organization receive any funds, directly or indirectly, to pay premiums on a personal benefit contract?	7e		✓	
f	Did the organization, during the year, pay premiums, directly or indirectly, on a personal benefit contract?	7f		✓	
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	10a			
b	Gross receipts, included on Form 990, Part VIII, line 12, for public use of club facilities	10b			
11	Section 501(c)(12) organizations. Enter:				
a	Gross income from members or shareholders	11a			
b	Gross income from other sources (Do not net amounts due or paid to other sources against amounts due or received from them.)	11b			
12a	Section 4947(a)(1) non-exempt charitable trusts. Is the organization filing Form 990 in lieu of Form 1041?	12a			
b	If "Yes," enter the amount of tax-exempt interest received or accrued during the year	12b			
13	Section 501(c)(29) qualified nonprofit health insurance issuers.				
a	Is the organization licensed to issue qualified health plans in more than one state? Note. See the instructions for additional information the organization must report on Schedule O.	13a			
b	Enter the amount of reserves the organization is required to maintain by the states in which the organization is licensed to issue qualified health plans	13b			
c	Enter the amount of reserves on hand	13c			
14a	Did the organization receive any payments for indoor tanning services during the tax year?	14a		✓	
b	If "Yes," has it filed a Form 720 to report these payments? If "No," provide an explanation in Schedule O	14b			

Part VI Governance, Management, and Disclosure For each "Yes" response to lines 2 through 7b below, and for a "No" response to line 8a, 8b, or 10b below, describe the circumstances, processes, or changes in Schedule O. See instructions.
 Check if Schedule O contains a response or note to any line in this Part VI

Section A. Governing Body and Management

		Yes	No
1a	Enter the number of voting members of the governing body at the end of the tax year		
	If there are material differences in voting rights among members of the governing body, or if the governing body delegated broad authority to an executive committee or similar committee, explain in Schedule O.		
1b	Enter the number of voting members included in line 1a, above, who are independent		
2	Did any officer, director, trustee, or key employee have a family relationship or a business relationship with any other officer, director, trustee, or key employee?		✓
3	Did the organization delegate control over management duties customarily performed by or under the direct supervision of officers, directors, or trustees, or key employees to a management company or other person?		✓
4	Did the organization make any significant changes to its governing documents since the prior Form 990 was filed?		✓
5	Did the organization become aware during the year of a significant diversion of the organization's assets?		✓
6	Did the organization have members or stockholders?		✓
7a	Did the organization have members, stockholders, or other persons who had the power to elect or appoint one or more members of the governing body?		✓
7b	Are any governance decisions of the organization reserved to (or subject to approval by) members, stockholders, or persons other than the governing body?		✓
8	Did the organization contemporaneously document the meetings held or written actions undertaken during the year by the following:		
a	The governing body?	✓	
b	Each committee with authority to act on behalf of the governing body?	✓	
9	Is there any officer, director, trustee, or key employee listed in Part VII, Section A, who cannot be reached at the organization's mailing address? If "Yes," provide the names and addresses in Schedule O		✓

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

		Yes	No
10a	Did the organization have local chapters, branches, or affiliates?		✓
10b	If "Yes," did the organization have written policies and procedures governing the activities of such chapters, affiliates, and branches to ensure their operations are consistent with the organization's exempt purposes?		
11a	Has the organization provided a complete copy of this Form 990 to all members of its governing body before filing the form?	✓	
11b	Describe in Schedule O the process, if any, used by the organization to review this Form 990.		
12a	Did the organization have a written conflict of interest policy? If "No," go to line 13	✓	
12b	Were officers, directors, or trustees, and key employees required to disclose annually interests that could give rise to conflicts?	✓	
12c	Did the organization regularly and consistently monitor and enforce compliance with the policy? If "Yes," describe in Schedule O how this was done	✓	
13	Did the organization have a written whistleblower policy?	✓	
14	Did the organization have a written document retention and destruction policy?	✓	
15	Did the process for determining compensation of the following persons include a review and approval by independent persons, comparability data, and contemporaneous substantiation of the deliberation and decision?		
15a	The organization's CEO, Executive Director, or top management official	✓	
15b	Other officers or key employees of the organization	✓	
	If "Yes" to line 15a or 15b, describe the process in Schedule O (see instructions).		
16a	Did the organization invest in, contribute assets to, or participate in a joint venture or similar arrangement with a taxable entity during the year?		✓
16b	If "Yes," did the organization follow a written policy or procedure requiring the organization to evaluate its participation in joint venture arrangements under applicable federal tax law, and take steps to safeguard the organization's exempt status with respect to such arrangements?		

Section C. Disclosure

- 17** List the states with which a copy of this Form 990 is required to be filed ► CA, DC, MD
- 18** Section 6104 requires an organization to make its Forms 1023 (or 1024 if applicable), 990, and 990-T (Section 501(c)(3)s only) available for public inspection. Indicate how you made these available. Check all that apply.
 Own website Another's website Upon request Other (explain in Schedule O)
- 19** Describe in Schedule O whether (and if so, how) the organization made its governing documents, conflict of interest policy, and financial statements available to the public during the tax year.
- 20** State the name, address, and telephone number of the person who possesses the organization's books and records: ►
Timothy Doyle, (202)387-6400

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

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

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

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

- List all of the organization's **current** officers, directors, trustees (whether individuals or organizations), regardless of amount of compensation. Enter -0- in columns (D), (E), and (F) if no compensation was paid.
- List all of the organization's **current** key employees, if any. See instructions for definition of "key employee."
- List the organization's five **current** highest compensated employees (other than an officer, director, trustee, or key employee) who received reportable compensation (Box 5 of Form W-2 and/or Box 7 of Form 1099-MISC) of more than \$100,000 from the organization and any related organizations.
- List all of the organization's **former** officers, key employees, and highest compensated employees who received more than \$100,000 of reportable compensation from the organization and any related organizations.
- List all of the organization's **former directors or trustees** that received, in the capacity as a former director or trustee of the organization, more than \$10,000 of reportable compensation from the organization and any related organizations.

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

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

(A) Name and Title	(B) Average hours per week (list any hours for related organizations below dotted line)	(C) Position (do not check more than one box, unless person is both an officer and a director/trustee)						(D) Reportable compensation from the organization (W-2/1099-MISC)	(E) Reportable compensation from related organizations (W-2/1099-MISC)	(F) Estimated amount of other compensation from the organization and related organizations
		Individual trustee or director	Institutional trustee	Officer	Key employee	Highest compensated employee	Former			
Stephen P A Foder	1									
Trustee	0	✓					0	0	0	
Suzanne Nora Johnson	1									
Trustee	0	✓					0	0	0	
Bruce W Ferguson	1									
Trustee	0	✓					0	0	0	
Deborah Rose	1									
Trustee	0	✓					0	0	0	
Craig R Barrett	1									
Trustee	0	✓					0	0	0	
John F Crawford	1									
Trustee	0	✓					0	0	0	
Michael A Duffy	1									
Trustee	0	✓					0	0	0	
Sandra M Faber	1									
Trustee	0	✓					0	0	0	
William K Gayden	1									
Trustee	0	✓					0	0	0	
Michael E Gellert	1									
Trustee	0	✓					0	0	0	
William R Hearst III	1									
Trustee	0	✓					0	0	0	
Rush D Holt Jr	1									
Trustee	0	✓					0	0	0	
Walter Isaacson	1									
Trustee	0	✓					0	0	0	
Mary C King	1									
Trustee	0	✓					0	0	0	

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			
Katherine Lapp	1									
Trustee	0	✓					0	0	0	
Michael Long	1									
Trustee	0	✓					0	0	0	
Pamela Matson	1									
Trustee	0	✓					0	0	0	
Richard Meserve	1									
Trustee	0	✓					0	0	0	
Cristian Samper	1									
Trustee	0	✓					0	0	0	
Maxine Singer	1									
Trustee	0	✓					0	0	0	
Christopher T S Stone	1									
Trustee	0	✓					0	0	0	
David Thompson	1									
Trustee	0	✓					0	0	0	
Marshal Wais	1									
Trustee	0	✓					0	0	0	
Michael Wilson	1									
Trustee	0	✓					0	0	0	
Matthew P Scott	50									
President	0			✓			575,396	0	51,374	
Timothy P Doyle	50									
Chief Operating Officer	0			✓			355,250	0	59,000	
Benjamin Aderson	50									
General Counsel	0			✓			96,440	0	13,485	
Richard W Carlson	50									
Department Director	0				✓		260,145	0	55,957	

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 S Mulchaey	50									
Department Director	0				✓		248,389	0	46,306	
Seung Rhee	50									
Department Director	0				✓		242,083	0	51,985	
George Cody	50									
Department Director	0				✓		231,750	0	51,203	
Yixian Zheng	50									
Department Director	0				✓		227,788	0	39,370	
Joseph Berry	50									
Department Director	0				✓		206,509	0	48,495	
Wolf Frommer	50									
Staff	0				✓		268,707	0	58,101	
Christopher B Field	50									
Staff	0				✓		203,943	0	41,625	
Russell Hemley	50									
Staff	0				✓		182,296	0	7,187	
Patrick J McCarthy	50									
Staff	0					✓	330,000	0	57,095	
Michael Stambaugh	50									
Staff	0					✓	305,556	0	46,587	
Kenneth G Caldeira	50									
Staff	0					✓	248,389	0	57,625	
Gotthard SaghiSzabo	50									
Staff	0					✓	232,912	0	45,634	
Erik H Hauri	50									
Staff	0					✓	220,750	0	50,770	
Cynthia Allen	50									
Staff - Former Officer	0					✓	120,901	0	7,447	

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

Table with 6 main columns: (A) Name and title, (B) Average hours per week, (C) Position (Individual trustee or director, Institutional trustee, Officer, Key employee, Highest compensated employee, Former), (D) Reportable compensation from the organization, (E) Reportable compensation from related organizations, (F) Estimated amount of other compensation. Includes sub-totals for lines 1b, 1c, and 1d.

2 Total number of individuals (including but not limited to those listed above) who received more than \$100,000 of reportable compensation from the organization 117

Table with 3 columns: Question number, Question text, Yes, No. Contains questions 3, 4, and 5 regarding compensation reporting.

Section B. Independent Contractors

1 Complete this table for your five highest compensated independent contractors that received more than \$100,000 of compensation from the organization. Report compensation for the calendar year ending with or within the organization's tax year.

Table with 3 columns: (A) Name and business address, (B) Description of services, (C) Compensation. Lists contractors like Morgan Lewis Bockius LLP, Rippeteau Architects PC, etc.

2 Total number of independent contractors (including but not limited to those listed above) who received more than \$100,000 of compensation from the organization 13

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 0					
	b Membership dues	1b 0					
	c Fundraising events	1c 0					
	d Related organizations	1d 0					
	e Government grants (contributions)	1e 24,978,760					
	f All other contributions, gifts, grants, and similar amounts not included above	1f 8,847,414					
	g Noncash contributions included in lines 1a-1f: \$	20,554					
	h Total. Add lines 1a-1f	▶	33,826,174				
Program Service Revenue	Business Code						
	2a <u>Magellan Telescope Program</u>	541700	3,783,972	3,783,972	0	0	
	b <u>GMT Challenge Program</u>	541700	973,220	973,220	0	0	
	c <u>Australian Astronomy Program</u>	541700	397,500	397,500	0	0	
	d <u>Geochemical Society Office</u>	541700	202,259	202,259	0	0	
	e <u>Yonsei Astronomy Program</u>	541700	119,000	119,000	0	0	
	f All other program service revenue .		980,392	980,392	0	0	
	g Total. Add lines 2a-2f	▶	6,456,343				
Other Revenue	3 Investment income (including dividends, interest, and other similar amounts)	▶	12,198,033	0	-30,354	12,228,387	
	4 Income from investment of tax-exempt bond proceeds ▶		0	0	0	0	
	5 Royalties	▶	1,779,278	1,779,278	0	0	
	6a Gross rents	(i) Real	980,752				
		(ii) Personal	0				
		b Less: rental expenses	1,432,467				
		c Rental income or (loss)	-451,715				
	d Net rental income or (loss)	▶	-451,715	-451,715	0	0	
	7a Gross amount from sales of assets other than inventory	(i) Securities	638,825,643				
		(ii) Other	0				
		b Less: cost or other basis and sales expenses	545,075,617				
		c Gain or (loss)	93,750,026				
	d Net gain or (loss)	▶	93,750,026	0	182,131	93,567,895	
	8a Gross income from fundraising events (not including \$ 0 of contributions reported on line 1c). See Part IV, line 18	a	0				
		b Less: direct expenses	0				
		c Net income or (loss) from fundraising events . ▶	0			0	0
	9a Gross income from gaming activities. See Part IV, line 19	a	0				
		b Less: direct expenses	0				
		c Net income or (loss) from gaming activities . . ▶	0	0	0	0	0
	10a Gross sales of inventory, less returns and allowances	a	0				
b Less: cost of goods sold		0					
c Net income or (loss) from sales of inventory . . ▶		0	0	0	0	0	
Miscellaneous Revenue		Business Code					
11a <u>Realized gain on ST bond fund</u>	900099	1,808,930	1,808,930	0	0		
b <u>Loss on disposals</u>	900099	-1,468,280	-1,468,280	0	0		
c <u>Loss on Swap transactions</u>	900099	-931,805	-931,805	0	0		
d All other revenue		334,902	334,902	0	0		
e Total. Add lines 11a-11d	▶	-256,253					
12 Total revenue. See instructions.	▶	147,301,886	7,527,653	151,777	105,796,282		

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	1,513,363	1,513,363		
2 Grants and other assistance to domestic individuals. See Part IV, line 22	3,640,001	3,640,001		
3 Grants and other assistance to foreign organizations, foreign governments, and foreign individuals. See Part IV, lines 15 and 16	0	0		
4 Benefits paid to or for members	0	0		
5 Compensation of current officers, directors, trustees, and key employees	3,276,855	759,613	2,274,713	242,529
6 Compensation not included above, to disqualified persons (as defined under section 4958(f)(1)) and persons described in section 4958(c)(3)(B)	0	0	0	0
7 Other salaries and wages	38,930,174	35,500,438	2,402,665	1,027,071
8 Pension plan accruals and contributions (include section 401(k) and 403(b) employer contributions)	1,328,119	1,400,885	-87,064	14,298
9 Other employee benefits	6,260,858	3,956,616	2,251,822	52,420
10 Payroll taxes	2,272,495	1,919,981	281,431	71,083
11 Fees for services (non-employees):				
a Management	0	0	0	0
b Legal	501,735	0	501,735	0
c Accounting	237,900	0	237,900	0
d Lobbying	0	0	0	0
e Professional fundraising services. See Part IV, line 17	0			0
f Investment management fees	0	0	0	0
g Other. (If line 11g amount exceeds 10% of line 25, column (A) amount, list line 11g expenses on Schedule O.)	1,133,297	150,692	978,095	4,510
12 Advertising and promotion	0	0	0	0
13 Office expenses	1,114,305	771,918	262,321	80,066
14 Information technology	1,590,989	912,500	678,489	0
15 Royalties	0	0	0	0
16 Occupancy	5,298,375	3,722,275	1,480,867	95,233
17 Travel	2,667,843	2,320,809	285,186	61,848
18 Payments of travel or entertainment expenses for any federal, state, or local public officials	0	0	0	0
19 Conferences, conventions, and meetings	918,597	564,107	250,677	103,813
20 Interest	4,598,988	0	4,598,988	0
21 Payments to affiliates	0	0	0	0
22 Depreciation, depletion, and amortization	10,047,933	9,522,054	508,732	17,147
23 Insurance	680,021	274,145	405,018	858
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 <u>Contract and subawards</u>	6,360,176	6,236,167	14,121	109,888
b <u>Research education expense</u>	5,250,880	5,204,872	41,311	4,697
c <u>Exchange rate (gain) loss</u>	-10,047	-3,224	-6,823	0
d <u>Bond admin & Other maintenance expense</u>	251,002	153,563	97,439	0
e All other expenses	2,433,946	367,064	2,056,863	10,019
25 Total functional expenses. Add lines 1 through 24e	100,297,805	78,887,839	19,514,486	1,895,480
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 X

		(A)		(B)
		Beginning of year		End of year
Assets	1 Cash—non-interest-bearing	0	1	0
	2 Savings and temporary cash investments	55,325,132	2	54,784,928
	3 Pledges and grants receivable, net	11,032,444	3	11,040,752
	4 Accounts receivable, net	186,580	4	190,108
	5 Loans and other receivables from current and former officers, directors, trustees, key employees, and highest compensated employees. Complete Part II of Schedule L	1,381,086	5	552,596
	6 Loans and other receivables from other disqualified persons (as defined under section 4958(f)(1)), persons described in section 4958(c)(3)(B), and contributing employers and sponsoring organizations of section 501(c)(9) voluntary employees' beneficiary organizations (see instructions). Complete Part II of Schedule L	0	6	0
	7 Notes and loans receivable, net	1,030,899	7	1,011,527
	8 Inventories for sale or use	0	8	0
	9 Prepaid expenses and deferred charges	57,705,567	9	58,302,225
	10a Land, buildings, and equipment: cost or other basis. Complete Part VI of Schedule D	272,162,563		
	b Less: accumulated depreciation	138,740,182	10c	133,422,381
	11 Investments—publicly traded securities	431,922,972	11	497,728,581
	12 Investments—other securities. See Part IV, line 11	443,637,463	12	447,937,814
	13 Investments—program-related. See Part IV, line 11		13	
	14 Intangible assets		14	
	15 Other assets. See Part IV, line 11		15	
16 Total assets. Add lines 1 through 15 (must equal line 34)	1,136,045,174	16	1,204,970,912	
Liabilities	17 Accounts payable and accrued expenses	8,150,825	17	11,609,118
	18 Grants payable	0	18	0
	19 Deferred revenue	28,929,144	19	27,684,675
	20 Tax-exempt bond liabilities	65,105,000	20	65,105,000
	21 Escrow or custodial account liability. Complete Part IV of Schedule D	0	21	
	22 Loans and other payables to current and former officers, directors, trustees, key employees, highest compensated employees, and disqualified persons. Complete Part II of Schedule L	0	22	
	23 Secured mortgages and notes payable to unrelated third parties	0	23	
	24 Unsecured notes and loans payable to unrelated third parties	0	24	6,000,000
	25 Other liabilities (including federal income tax, payables to related third parties, and other liabilities not included on lines 17-24). Complete Part X of Schedule D	77,674,751	25	75,375,299
	26 Total liabilities. Add lines 17 through 25	179,859,720	26	185,774,092
Net Assets or Fund Balances	Organizations that follow SFAS 117 (ASC 958), check here <input checked="" type="checkbox"/> and complete lines 27 through 29, and lines 33 and 34.			
	27 Unrestricted net assets	288,925,810	27	308,315,540
	28 Temporarily restricted net assets	612,103,681	28	655,711,218
	29 Permanently restricted net assets	55,155,963	29	55,170,062
	Organizations that do not follow SFAS 117 (ASC 958), check here <input type="checkbox"/> and complete lines 30 through 34.			
	30 Capital stock or trust principal, or current funds		30	
	31 Paid-in or capital surplus, or land, building, or equipment fund		31	
	32 Retained earnings, endowment, accumulated income, or other funds		32	
	33 Total net assets or fund balances	956,185,454	33	1,019,196,820
34 Total liabilities and net assets/fund balances	1,136,045,174	34	1,204,970,912	

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	147,301,886
2	Total expenses (must equal Part IX, column (A), line 25)	2	100,297,805
3	Revenue less expenses. Subtract line 2 from line 1	3	47,004,081
4	Net assets or fund balances at beginning of year (must equal Part X, line 33, column (A))	4	956,185,454
5	Net unrealized gains (losses) on investments	5	15,413,692
6	Donated services and use of facilities	6	0
7	Investment expenses	7	-2,781,512
8	Prior period adjustments	8	30,004
9	Other changes in net assets or fund balances (explain in Schedule O)	9	3,345,101
10	Net assets or fund balances at end of year. Combine lines 3 through 9 (must equal Part X, line 33, column (B))	10	1,019,196,820

Part XII Financial Statements and Reporting

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

	Yes	No
1 Accounting method used to prepare the Form 990: <input type="checkbox"/> Cash <input checked="" type="checkbox"/> Accrual <input type="checkbox"/> 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: <input type="checkbox"/> Separate basis <input type="checkbox"/> Consolidated basis <input type="checkbox"/> Both consolidated and separate basis		<input checked="" type="checkbox"/>
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: <input type="checkbox"/> Separate basis <input checked="" type="checkbox"/> Consolidated basis <input type="checkbox"/> Both consolidated and separate basis	<input checked="" type="checkbox"/>	
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.	<input checked="" type="checkbox"/>	
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?	<input checked="" type="checkbox"/>	
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.	<input checked="" type="checkbox"/>	

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.

▶ Information about Schedule A (Form 990 or 990-EZ) and its instructions is at www.irs.gov/form990.

OMB No. 1545-0047

2016

Open to Public Inspection

Name of the organization CARNEGIE INSTITUTION OF WASHINGTON	Employer identification number 53-0196523
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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)(vii)**. (Complete Part II.)
- 9 An agricultural research organization described in **section 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 33¹/₃% 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 33¹/₃% 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		
(A)						
(B)						
(C)						
(D)						
(E)						
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 fails to qualify under the tests listed below, please complete Part III.)

Section A. Public Support

Calendar year (or fiscal year beginning in) ►	(a) 2012	(b) 2013	(c) 2014	(d) 2015	(e) 2016	(f) Total
1 Gifts, grants, contributions, and membership fees received. (Do not include any "unusual grants.")						
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						
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)						
6 Public support. Subtract line 5 from line 4						

Section B. Total Support

Calendar year (or fiscal year beginning in) ►	(a) 2012	(b) 2013	(c) 2014	(d) 2015	(e) 2016	(f) Total
7 Amounts from line 4						
8 Gross income from interest, dividends, payments received on securities loans, rents, royalties and income from similar sources						
9 Net income from unrelated business activities, whether or not the business is regularly carried on						
10 Other income. Do not include gain or loss from the sale of capital assets (Explain in Part VI.)						
11 Total support. Add lines 7 through 10						
12 Gross receipts from related activities, etc. (see instructions)					12	
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						<input type="checkbox"/>

Section C. Computation of Public Support Percentage

14 Public support percentage for 2016 (line 6, column (f) divided by line 11, column (f))	14	%
15 Public support percentage from 2015 Schedule A, Part II, line 14	15	%
16a 33 1/3% support test—2016. 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		<input type="checkbox"/>
b 33 1/3% support test—2015. 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		<input type="checkbox"/>
17a 10%-facts-and-circumstances test—2016. 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		<input type="checkbox"/>
b 10%-facts-and-circumstances test—2015. 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		<input type="checkbox"/>
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		<input type="checkbox"/>

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) 2012	(b) 2013	(c) 2014	(d) 2015	(e) 2016	(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) 2012	(b) 2013	(c) 2014	(d) 2015	(e) 2016	(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 <input type="checkbox"/>						

Section C. Computation of Public Support Percentage

15 Public support percentage for 2016 (line 8, column (f) divided by line 13, column (f))	15	%
16 Public support percentage from 2015 Schedule A, Part III, line 15	16	%

Section D. Computation of Investment Income Percentage

17 Investment income percentage for 2016 (line 10c, column (f) divided by line 13, column (f))	17	%
18 Investment income percentage from 2015 Schedule A, Part III, line 17	18	%

- 19a 33 1/3% support tests—2016.** 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—2015.** 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 in line 12 on 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>		
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>		
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>		
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>		
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>		
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>		
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>		
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>		
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>		
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?		
c Substitutions only. Was the substitution the result of an event beyond the organization's control?		
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>		
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>		
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>		
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>		
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>		
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>		
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 10b below.</i>		
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>		

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?	11a	
b	A family member of a person described in (a) above?	11b	
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>	11c	

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>	1	
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>	2	

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>	1	

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?	1	
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>	2	
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>	3	

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>	2a	
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>	2b	
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>	3a	
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>	3b	

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):			
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 2016 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-2016	(iii) Distributable Amount for 2016
1 Distributable amount for 2016 from Section C, line 6			
2 Underdistributions, if any, for years prior to 2016 (reasonable cause required—explain in Part VI). See instructions.			
3 Excess distributions carryover, if any, to 2016:			
a			
b			
c From 2013			
d From 2014			
e From 2015			
f Total of lines 3a through e			
g Applied to underdistributions of prior years			
h Applied to 2016 distributable amount			
i Carryover from 2011 not applied (see instructions)			
j Remainder. Subtract lines 3g, 3h, and 3i from 3f.			
4 Distributions for 2016 from Section D, line 7: \$			
a Applied to underdistributions of prior years			
b Applied to 2016 distributable amount			
c Remainder. Subtract lines 4a and 4b from 4.			
5 Remaining underdistributions for years prior to 2016, if any. Subtract lines 3g and 4a from line 2. For result greater than zero, explain in Part VI. See instructions.			
6 Remaining underdistributions for 2016. Subtract lines 3h and 4b from line 1. For result greater than zero, explain in Part VI. See instructions.			
7 Excess distributions carryover to 2017. Add lines 3j and 4c.			
8 Breakdown of line 7:			
a			
b Excess from 2013 . . .			
c Excess from 2014 . . .			
d Excess from 2015 . . .			
e Excess from 2016 . . .			

SCHEDULE D (Form 990)

Department of the Treasury Internal Revenue Service

Supplemental Financial Statements

Complete if the organization answered "Yes" on Form 990, Part IV, line 6, 7, 8, 9, 10, 11a, 11b, 11c, 11d, 11e, 11f, 12a, or 12b. Attach to Form 990.

Information about Schedule D (Form 990) and its instructions is at www.irs.gov/form990.

OMB No. 1545-0047

2016

Open to Public Inspection

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.

Table with 2 columns: (a) Donor advised funds, (b) Funds and other accounts. Rows include total number at end of year, aggregate value of contributions, grants, and end of year, and questions about donor advisement.

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

Table with 2 columns: Description, Held at the End of the Tax Year. Rows include purpose of easements, total number and acreage, and monitoring details.

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.

Table with 2 columns: Description, Amount. Rows include reporting requirements for art and historical treasures and amounts for revenue and assets.

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:

	Amount
1c Beginning balance	
1d Additions during the year	
1e Distributions during the year	
1f Ending balance	

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 on 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	744,153,617	819,540,019	809,951,370	707,403,855	658,368,805
b Contributions	16,599	130,750	148,221	13,500	11,625
c Net investment earnings, gains, and losses	103,067,040	-29,062,673	50,809,234	146,597,541	91,897,050
d Grants or scholarships	3,168,223	3,026,553	2,429,969	2,647,656	2,845,079
e Other expenditures for facilities and programs	42,901,696	41,059,613	34,184,148	37,629,606	37,035,222
f Administrative expenses	3,667,131	2,368,313	4,754,689	3,786,264	2,993,324
g End of year balance	797,500,206	744,153,617	819,540,019	809,951,370	707,403,855

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

- a** Board designated or quasi-endowment ▶ 16.1 %
- b** Permanent endowment ▶ 6.9 %
- c** Temporarily restricted endowment ▶ 77 %

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)	✓	
3a(ii)		✓
3b		

b If "Yes" on line 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	0	817,117		817,117
b Buildings	0	88,282,586	33,937,854	54,344,732
c Leasehold improvements	0	0	0	0
d Equipment	0	175,919,686	104,802,328	71,117,358
e Other	0	7,143,174	0	7,143,174
Total. Add lines 1a through 1e. (Column (d) must equal Form 990, Part X, column (B), line 10c.)				133,422,381

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	0	End-of-Year Market Value
(2) Closely-held equity interests	413,696	Cost
(3) Other <u>Real asset/natural resources</u>	170,291,629	End-of-Year Market Value
(A) <u>Alternative Investments</u>	277,232,489	End-of-Year Market Value
(B) _____		
(C) _____		
(D) _____		
(E) _____		
(F) _____		
(G) _____		
(H) _____		
Total. (Column (b) must equal Form 990, Part X, col. (B) line 12.) ►	447,937,814	

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) _____	
(2) _____	
(3) _____	
(4) _____	
(5) _____	
(6) _____	
(7) _____	
(8) _____	
(9) _____	
Total. (Column (b) must equal Form 990, Part X, col. (B) line 15.) ►	

Part X Other Liabilities.

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

1. (a) Description of liability	(b) Book value	
(1) Federal income taxes	0	
(2) <u>Accrued postretirement benefit cost</u>	25,375,299	
(3) <u>Taxable bond payable</u>	50,000,000	
(4) _____		
(5) _____		
(6) _____		
(7) _____		
(8) _____		
(9) _____		
Total. (Column (b) must equal Form 990, Part X, col. (B) line 25.) ►	75,375,299	

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	161,396,537
2	Amounts included on line 1 but not on Form 990, Part VIII, line 12:		
a	Net unrealized gains (losses) on investments	2a	15,413,692
b	Donated services and use of facilities	2b	0
c	Recoveries of prior year grants	2c	0
d	Other (Describe in Part XIII.)	2d	30,004
e	Add lines 2a through 2d	2e	15,443,696
3	Subtract line 2e from line 1	3	145,952,841
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	2,781,512
b	Other (Describe in Part XIII.)	4b	-1,432,467
c	Add lines 4a and 4b	4c	1,349,045
5	Total revenue. Add lines 3 and 4c . (This must equal Form 990, Part I, line 12.)	5	147,301,886

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	101,730,272
2	Amounts included on line 1 but not on Form 990, Part IX, line 25:		
a	Donated services and use of facilities	2a	0
b	Prior year adjustments	2b	0
c	Other losses	2c	0
d	Other (Describe in Part XIII.)	2d	1,432,467
e	Add lines 2a through 2d	2e	1,432,467
3	Subtract line 2e from line 1	3	100,297,805
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	0
b	Other (Describe in Part XIII.)	4b	0
c	Add lines 4a and 4b	4c	0
5	Total expenses. Add lines 3 and 4c . (This must equal Form 990, Part I, line 18.)	5	100,297,805

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.

Schedule D, Part V, Line 4 - The organization's endowment funds are intended to support its overall mission of supporting scientific discovery "in the broadest and most liberal manner".

Schedule D, Part VI, Line 1e - Art - \$80,888: Construction in Progress - \$7,062,286.

Schedule D, Part X, Line 2 - On July 1, 2007, Carnegie adopted the provisions of FASB Interpretation No. 48, Accounting for Uncertainty in Income Taxes (FIN48). FIN48 required that a tax position be recognized or derecognized based on a 'more-likely-than-not' threshold. This applies to positions taken or expected to be taken in a tax return. The implementation of FIN48 had no impact on the statement of financial position or statement of activities. Carnegie does not believe its financial statements include (or reflect) any uncertain tax positions. FASB Accounting Standards Codification (ASC) 740-10, Income Taxes, requires that management evaluate tax positions taken by Carnegie and recognize a tax liability (or asset) if Carnegie has taken an uncertain tax position that more likely than not would not be sustained upon examination by the Internal Revenue Service. Carnegie has analyzed the tax positions taken and has concluded that as of June 30, 2017, there are no uncertain tax positions taken or expected to be taken that would require recognition of a liability (or asset) or disclosure in the financial statements.

Schedule D, Part XI, Line 2d - Prior year adjustments

Schedule D, Part XI, Line 4b - Rental expenses

Schedule D, Part XII, Line 2d - Rental expenses

**SCHEDULE E
(Form 990 or 990-EZ)**

Department of the Treasury
Internal Revenue Service

Schools

▶ **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.**

▶ **Information about Schedule E (Form 990 or 990-EZ) and its instructions is at www.irs.gov/form990.**

OMB No. 1545-0047

2016

Open to Public Inspection

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?	✓	
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?	✓	
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 <u>Our non-discrimination policy is available on our website, www.carnegiescience.edu, under Policies and Procedures.</u> ----- -----	✓	
4 Does the organization maintain the following? a Records indicating the racial composition of the student body, faculty, and administrative staff?	✓	
b Records documenting that scholarships and other financial assistance are awarded on a racially nondiscriminatory basis?	✓	
c Copies of all catalogues, brochures, announcements, and other written communications to the public dealing with student admissions, programs, and scholarships?	✓	
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. ----- -----	✓	
5 Does the organization discriminate by race in any way with respect to: a Students' rights or privileges?		✓
b Admissions policies?		✓
c Employment of faculty or administrative staff?		✓
d Scholarships or other financial assistance?		✓
e Educational policies?		✓
f Use of facilities?		✓
g Athletic programs?		✓
h Other extracurricular activities? If you answered "Yes" to any of the above, please explain. If you need more space, use Part II. ----- -----		✓
6a Does the organization receive any financial aid or assistance from a governmental agency?	✓	
b Has the organization's right to such aid ever been revoked or suspended? If you answered "Yes" on either line 6a or line 6b, explain on Part II.		✓
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	✓	

**SCHEDULE F
(Form 990)**

Statement of Activities Outside the United States

OMB No. 1545-0047

2016

**Open to Public
Inspection**

▶ Complete if the organization answered "Yes" on Form 990, Part IV, line 14b, 15, or 16.
▶ Attach to Form 990.

▶ Information about Schedule F (Form 990) and its instructions is at www.irs.gov/form990.

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 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 the 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
(1) Central America and the Caribbean	0	0	Program Services	LIGHTHOUSE REEF FIELD V	22,555
(2) East Asia and the Pacific	0	0	Program Services	SABAH MAPPING CAMPAIG	71,096
(3) East Asia and the Pacific	0	0	Program Services	ONE TREE ISLAND EXPEDI	156,010
(4) East Asia and the Pacific	0	0	Program Services	BORNEO CAMPAIGN	15,005
(5) East Asia and the Pacific	0	0	Program Services	CHLAMY CONFERENCE	13,979
(6) East Asia and the Pacific	0	0	Program Services	IRBC CONFERENCE	18,047
(7) East Asia and the Pacific	0	0	Speaking at Seminars or Co	SPEAKER - NAGOYA UNIVE	16,763
(8) East Asia and the Pacific	0	0	Program Services	GRANT WRITING	13,268
(9) East Asia and the Pacific	0	0	Program Services	COLLABORATION AND COI	15,166
(10) East Asia and the Pacific	0	5	Program Services	EARTH BEFORE MOON MTG	23,906
(11) East Asia and the Pacific	0	5	Program Services	ANGLO-AUSTRALIA OBS FI	37,058
(12) East Asia and the Pacific	0	3	Program Services	SLAVE CRATON FIELDWOR	70,341
(13) East Asia and the Pacific	0	0	Program Services	DCO EXECUTIVE COMMITT	33,018
(14) East Asia and the Pacific	0	0	Program Services	GOLDSCHMIDT CONFEREN	17,384
(15) Europe (including Iceland and C	0	0	Program Services	MAXPLANK MEETING, PIK	20,404
(16) Europe (including Iceland and C	0	0	Program Services	SABAH CAMPAIGN MEETIN	13,667
(17) Sch F, Stmt 1					
3a Sub-total	0	13			557,667
b Total from continuation sheets to Part I		95			7,885,397
c Totals (add lines 3a and 3b)	2	108			8,443,064

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)
(1)									
(2)									
(3)									
(4)									
(5)									
(6)									
(7)									
(8)									
(9)									
(10)									
(11)									
(12)									
(13)									
(14)									
(15)									
(16)									

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

(a) Type of grant or assistance	(b) Region	(c) Number of recipients	(d) Amount of cash grant	(e) Manner of cash disbursement	(f) Amount of noncash assistance	(g) Description of noncash assistance	(h) Method of valuation (book, FMV, appraisal, other)
(1)							
(2)							
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							
(11)							
(12)							
(13)							
(14)							
(15)							
(16)							
(17)							
(18)							

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; do not 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; do not 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.

Schedule F, Part I, Line 2 - 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 facilities and staff members and typically perform their experiments and scientific work on-site and in collaboration with other Carnegie vehicle for monitoring and supporting the work of the fellow. 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. The fellows listed below are stationed at the Carnegie facility in Las Campanas, Chile.

Area with horizontal dashed lines for supplemental information.

Accounts and Activities Outside the United States

		Offices	Employees	Total
Region	Europe (including Iceland and Greenland)	0	0	64,751
Activities	Program Services			
Services	COLLABORATION AND CONFERENCES			
Region	Europe (including Iceland and Greenland)	0	14	86,273
Activities	Program Services			
Services	ACCRETE, COOL STARS, MELT IN MANTLE MEETINGS			
Region	Europe (including Iceland and Greenland)	0	0	27,184
Activities	Program Services			
Services	DCO EXECUTIVE COMMITTEE MEETING			
Region	Europe (including Iceland and Greenland)	0	0	125,470
Activities	Program Services			
Services	DCO INTERNATIONAL SCIENCE MEETING			
Region	Europe (including Iceland and Greenland)	0	0	10,645
Activities	Program Services			
Services	DCO WORKSHOP			
Region	North America (including Canada and Mexico, but not the United States)	0	0	10,080
Activities	Program Services			
Services	LIGHTHOUSE REEF FIELDWORK			
Region	South America	0	0	79,349
Activities	Program Services			
Services	ECUADOR MAPPING CAMPAIGN			
Region	South America	0	0	233,415
Activities	Program Services			
Services	SCIENTIFIC OBSERVATION RUNS			
Region	South America	0	0	25,873
Activities	Program Services			
Services	COLLABORATION AND CONFERENCES			
Region	South America	0	0	19,665
Activities	Program Services			
Services	TELESCOPE ENGINEERING AND MAINTENANCE			
Region	South America	2	70	6,876,279
Activities	Program Services			
Services	TELESCOPE RESEARCH OPERATIONS			
Region	South America	0	0	225,849
Activities	Program Services			
Services	OBSERVATORY RESEARCH			
Region	South America	0	11	100,564
Activities	Program Services			
Services	LCO AND QDP PROTOTYPE FIELDWORK			
Total:		2	95	7,885,397

**SCHEDULE I
(Form 990)**

**Grants and Other Assistance to Organizations,
Governments, and Individuals in the United States**

OMB No. 1545-0047

2016

**Open to Public
Inspection**

Department of the Treasury
Internal Revenue Service

Complete if the organization answered "Yes" on Form 990, Part IV, line 21 or 22.

▶ Attach to Form 990.

▶ Information about Schedule I (Form 990) and its instructions is at www.irs.gov/form990.

Name of the organization

Employer identification number

CARNEGIE INSTITUTION OF WASHINGTON

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, the grantees' eligibility for the grants or assistance, and the selection criteria used to award the grants or assistance? **Yes** **No**
- 2** Describe in Part IV the organization's procedures for monitoring the use of grant funds in the United States.

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

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

2 Enter total number of section 501(c)(3) and government organizations listed in the line 1 table ▶ 14

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

Part III Grants and Other Assistance to Domestic Individuals. Complete if the organization answered "Yes" on Form 990, Part IV, line 22.
 Part III can be duplicated if additional space is needed.

(a) Type of grant or assistance	(b) Number of recipients	(c) Amount of cash grant	(d) Amount of noncash assistance	(e) Method of valuation (book, FMV, appraisal, other)	(f) Description of noncash assistance
1 Fellowship	48	1,839,775	0		
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.

Schedule I, Part I, Line 2 - 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.

Description of Grants and Other Assistance to Governments and Organizations in the United States

		Recipient EIN	Amt. of cash grant	Amt. of non- cash asst.
Name and address	STANFORD UNIVERSITY PO BOX 873503 SAN FRANCISCO, CA 94144-4253	94-1156365	403,260	0
IRC code section	501(c)3			
Method of valuation				
Desc. of Non-Cash Asst.				
Purpose of grant	Participant support; academic partnership to train young scientists			
Name and address	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA 10920 WILSHIRE BLVD STE 107 LOS ANGELES, CA 90024-6503	95-6006143	122,989	0
IRC code section	501(c)3			
Method of valuation				
Desc. of Non-Cash Asst.				
Purpose of grant	Participant support; academic partnership to train young scientists			
Name and address	NORTHWESTERN UNIVERSITY 633 CLARK ST RM G547 EVANSTON, IL 60208-1112	36-2167817	103,799	0
IRC code section	501(c)3			
Method of valuation				
Desc. of Non-Cash Asst.				
Purpose of grant	Participant support; academic partnership to train young scientists			
Name and address	CALIFORNIA INSTITUTE OF TECHNOLOGY 1200 E CALIFORNIA BLVD PASADENA, CA 91125	95-1643307	95,258	0
IRC code section	501(c)3			
Method of valuation				
Desc. of Non-Cash Asst.				
Purpose of grant	Participant support; academic partnership to train young scientists			
Name and address	UNIVERSITY OF ALABAMA AT BIRMINGHAM UNIVERSITY STATION BIRMINGHAM, AL 35294	63-6005396	90,338	0
IRC code section	501(c)3			
Method of valuation				
Desc. of Non-Cash Asst.				
Purpose of grant	Participant support; academic partnership to train young scientists			
Name and address	UNIVERSITY OF UTAH 201 S PRESIDENTS CIR NO 406 SALT LAKE CITY, UT 84112-9020	87-6000525	75,006	0
IRC code section	501(c)3			
Method of valuation				
Desc. of Non-Cash Asst.				
Purpose of grant	Participant support; academic partnership to train young scientists			
Name and address	MICHIGAN STATE UNIVERSITY 220 TROWBRIDGE RD EAST LANSING, MI 48824	38-6005984	73,928	0
IRC code section	501(c)3			
Method of valuation				
Desc. of Non-Cash Asst.				
Purpose of grant	Participant support; academic partnership to train young scientists			

Schedule I, Part IV, Statement 1

CARNEGIE INSTITUTION OF WASHINGTON

Name and address	UNIVERSITY OF ILLINOIS 1901 SOUTH FIRST ST A CHAMPAIGN, IL 61820-7406	37-6000511	66,508	0
IRC code section	501(c)3			
Method of valuation				
Desc. of Non-Cash Asst.				
Purpose of grant	Participant support; academic partnership to train young scientists			
Name and address	UNIVERSITY OF CHICAGO 5801 S ELLIS AVENUE CHICAGO, IL 60637	36-2177139	60,888	0
IRC code section	501(c)3			
Method of valuation				
Desc. of Non-Cash Asst.				
Purpose of grant	Participant support; academic partnership to train young scientists			
Name and address	SUNY AT BUFFALO PO BOX 9 ALBANY, NY 12201-0009	14-1368361	59,528	0
IRC code section	501(c)3			
Method of valuation				
Desc. of Non-Cash Asst.				
Purpose of grant	Participant support; academic partnership to train young scientists			
Name and address	UNIVERSITY OF HAWAII 2440 CAMPUS RD HONOLULU, HI 96822	99-6000354	50,261	0
IRC code section	501(c)3			
Method of valuation				
Desc. of Non-Cash Asst.				
Purpose of grant	Participant support; academic partnership to train young scientists			
Name and address	WASHINGTON UNIVERSITY IN ST LOUIS 700 ROSEDALE AVE ST LOUIS, MO 63112-1408	43-0653611	45,800	0
IRC code section	501(c)3			
Method of valuation				
Desc. of Non-Cash Asst.				
Purpose of grant	Participant support; academic partnership to train young scientists			
Name and address	THE UNIVERSITY OF TENNESSEE 1331 CIRCLE PARK DRIVE KNOXVILLE, TN 37916-3801	62-6001636	44,853	0
IRC code section	501(c)3			
Method of valuation				
Desc. of Non-Cash Asst.				
Purpose of grant	Participant support; academic partnership to train young scientists			
Name and address	WASHINGTON STATE UNIVERSITY PO BOX 641025 PULLMAN, WA 99164-1025	91-6001108	18,670	0
IRC code section	501(c)3			
Method of valuation				
Desc. of Non-Cash Asst.				
Purpose of grant	Participant support; academic partnership to train young scientists			

**SCHEDULE J
(Form 990)**

Department of the Treasury
Internal Revenue Service

Name of the organization

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.

▶ Information about Schedule J (Form 990) and its instructions is at www.irs.gov/form990.

OMB No. 1545-0047

2016

Open to Public Inspection

CARNEGIE INSTITUTION OF WASHINGTON

Employer identification number

53-0196523

Part I Questions Regarding Compensation

1a Check the appropriate box(es) if the organization provided any of the following to or for a person listed on Form 990, Part VII, Section A, line 1a. Complete Part III to provide any relevant information regarding these items.

- | | |
|--|---|
| <input type="checkbox"/> First-class or charter travel | <input checked="" type="checkbox"/> Housing allowance or residence for personal use |
| <input type="checkbox"/> Travel for companions | <input type="checkbox"/> Payments for business use of personal residence |
| <input type="checkbox"/> Tax indemnification and gross-up payments | <input type="checkbox"/> Health or social club dues or initiation fees |
| <input type="checkbox"/> Discretionary spending account | <input type="checkbox"/> Personal services (such as, maid, chauffeur, chef) |

b If any of the boxes on line 1a are checked, did the organization follow a written policy regarding payment or reimbursement or provision of all of the expenses described above? If "No," complete Part III to explain

	Yes	No
1b	✓	

2 Did the organization require substantiation prior to reimbursing or allowing expenses incurred by all directors, trustees, and officers, including the CEO/Executive Director, regarding the items checked on line 1a?

2	✓	
----------	---	--

3 Indicate which, if any, of the following the filing organization used to establish the compensation of the organization's CEO/Executive Director. Check all that apply. Do not check any boxes for methods used by a related organization to establish compensation of the CEO/Executive Director, but explain in Part III.

- | | |
|---|---|
| <input checked="" type="checkbox"/> Compensation committee | <input type="checkbox"/> Written employment contract |
| <input checked="" type="checkbox"/> Independent compensation consultant | <input type="checkbox"/> Compensation survey or study |
| <input type="checkbox"/> Form 990 of other organizations | <input checked="" type="checkbox"/> Approval by the board or compensation committee |

4 During the year, did any person listed on Form 990, Part VII, Section A, line 1a, with respect to the filing organization or a related organization:

- a** Receive a severance payment or change-of-control payment?
- b** Participate in, or receive payment from, a supplemental nonqualified retirement plan?
- c** Participate in, or receive payment from, an equity-based compensation arrangement?
- If "Yes" to any of lines 4a–c, list the persons and provide the applicable amounts for each item in Part III.

4a	✓	
4b		✓
4c		✓

Only section 501(c)(3), 501(c)(4), and 501(c)(29) organizations must complete lines 5–9.

5 For persons listed on Form 990, Part VII, Section A, line 1a, did the organization pay or accrue any compensation contingent on the revenues of:

- a** The organization?
- b** Any related organization?
- If "Yes" on line 5a or 5b, describe in Part III.

5a		✓
5b		✓

6 For persons listed on Form 990, Part VII, Section A, line 1a, did the organization pay or accrue any compensation contingent on the net earnings of:

- a** The organization?
- b** Any related organization?
- If "Yes" on line 6a or 6b, describe in Part III.

6a		✓
6b		✓

7 For persons listed on Form 990, Part VII, Section A, line 1a, did the organization provide any nonfixed payments not described on lines 5 and 6? If "Yes," describe in Part III

7		✓
----------	--	---

8 Were any amounts reported on Form 990, Part VII, paid or accrued pursuant to a contract that was subject to the initial contract exception described in Regulations section 53.4958-4(a)(3)? If "Yes," describe in Part III

8		✓
----------	--	---

9 If "Yes" on line 8, did the organization also follow the rebuttable presumption procedure described in Regulations section 53.4958-6(c)?

9		
----------	--	--

Part II Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees. Use duplicate copies if additional space is needed.

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

Note: The sum of columns (B)(i)–(iii) for each listed individual must equal the total amount of Form 990, Part VII, Section A, line 1a, applicable column (D) and (E) amounts for that individual.

(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					
1	Matthew P Scott, President	(i)	575,396	0	0	0	51,374	626,770	0
		(ii)	0	0	0	0	0	0	0
2	Timothy P Doyle, Chief Operating Officer	(i)	355,250	0	0	0	59,000	414,250	0
		(ii)	0	0	0	0	0	0	0
3	Benjamin Aderson, General Counsel	(i)	96,440	0	0	0	13,485	109,925	0
		(ii)	0	0	0	0	0	0	0
4	Richard W Carlson, Department Director	(i)	260,145	0	0	0	55,957	316,102	0
		(ii)	0	0	0	0	0	0	0
5	John S Mulchaey, Department Director	(i)	248,389	0	0	0	46,306	294,695	0
		(ii)	0	0	0	0	0	0	0
6	Seung Rhee, Department Director	(i)	242,083	0	0	0	51,985	294,068	0
		(ii)	0	0	0	0	0	0	0
7	George Cody, Department Director	(i)	231,750	0	0	0	51,203	282,953	0
		(ii)	0	0	0	0	0	0	0
8	Yixian Zheng, Department Director	(i)	227,788	0	0	0	39,370	267,158	0
		(ii)	0	0	0	0	0	0	0
9	Joseph Berry, Department Director	(i)	206,509	0	0	0	48,495	255,004	0
		(ii)	0	0	0	0	0	0	0
10	Patrick J McCarthy, Staff	(i)	330,000	0	0	0	57,095	387,095	0
		(ii)	0	0	0	0	0	0	0
11	Michael Stambaugh, Staff	(i)	305,556	0	0	0	46,587	352,143	0
		(ii)	0	0	0	0	0	0	0
12	Kenneth G Caldeira, Staff	(i)	231,058	0	17,331	0	57,625	306,014	0
		(ii)	0	0	0	0	0	0	0
13	Gothard SaghiSzabo, Staff	(i)	232,912	0	0	0	45,634	278,546	0
		(ii)	0	0	0	0	0	0	0
14	Erik H Hauri, Staff	(i)	220,750	0	0	0	50,770	271,520	0
		(ii)	0	0	0	0	0	0	0
15	Wolf Frommer, Staff	(i)	268,707	0	0	0	58,101	326,808	0
		(ii)	0	0	0	0	0	0	0
16	Christopher B Field, Staff	(i)	203,943	0	0	0	41,625	245,568	0
		(ii)	0	0	0	0	0	0	0

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.

Schedule J, Part I, Line 1a - Housing allowance - Carnegie's policies include a provision for housing subsidies in high-cost areas for qualifying staff members.

Schedule J, Part I, Line 4 - Base compensation include severance payments for following staffs: Gottahrd SaghiSzabo - \$107,917, Cyntian Allen - \$68,039

**SCHEDULE J
(Form 990)**

Department of the Treasury
Internal Revenue Service

Continuation Sheet for Schedule J (Form 990)

▶ Attach to Form 990 to list additional information for Schedule J (Form 990), Part II.

OMB No. 1545-0047

2016

**Open to Public
Inspection**

Name of the organization

CARNEGIE INSTITUTION OF WASHINGTON

Employer identification number

53 : 0196523

Part I Continuation of Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees (Schedule J, Part II)

(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				
Russell Hemley, Staff	(i)	182,296	0	0	7,187	189,483	0
	(ii)	0	0	0	0	0	0
Cynthia Allen, Staff	(i)	120,901	0	0	7,447	128,348	0
	(ii)	0	0	0	0	0	0
	(i)						
	(ii)						
	(i)						
	(ii)						
	(i)						
	(ii)						
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	(i)						
	(ii)						
	(i)						
	(ii)						
	(i)						
	(ii)						

**SCHEDULE K
(Form 990)**

Department of the Treasury
Internal Revenue Service

Supplemental Information on Tax-Exempt Bonds

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

▶ Attach to Form 990.

▶ Information about Schedule K (Form 990) and its instructions is at www.irs.gov/form990.

OMB No. 1545-0047

2016

**Open to Public
Inspection**

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) Pooled financing	
							Yes	No	Yes	No	Yes	No
A	Maryland Health & Higher Educational Facilities Authority (MHHEFA) on behalf of Carnegie	52-0936091	574217JB2	02/04/2010	30,580,000	Refund prior MHHEFA bonds issued to construct & equip new facility.		✓		✓		✓
B	California Educational Facilities Authority (CEFA) on behalf of Carnegie Institution of Washington	52-1705592	130178VS2	03/24/2010	34,525,000	Refund prior CEFA bonds issued to finance telescope proj and renovate facilities		✓		✓		✓
C												
D												

Part II Proceeds

		A		B		C		D	
1	Amount of bonds retired	0	0						
2	Amount of bonds legally defeased	0	0						
3	Total proceeds of issue	30,505,440	38,365,183						
4	Gross proceeds in reserve funds	0	0						
5	Capitalized interest from proceeds	0	0						
6	Proceeds in refunding escrows	0	0						
7	Issuance costs from proceeds	553,594	565,183						
8	Credit enhancement from proceeds	0	0						
9	Working capital expenditures from proceeds	0	0						
10	Capital expenditures from proceeds	30,000,000	35,800,000						
11	Other spent proceeds	0	0						
12	Other unspent proceeds	0	0						
13	Year of substantial completion	2005	2003						
		Yes	No	Yes	No	Yes	No	Yes	No
14	Were the bonds issued as part of a current refunding issue?	✓		✓					
15	Were the bonds issued as part of an advance refunding issue?		✓		✓				
16	Has the final allocation of proceeds been made?	✓		✓					
17	Does the organization maintain adequate books and records to support the final allocation of proceeds?	✓		✓					

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?		✓		✓				
2	Are there any lease arrangements that may result in private business use of bond-financed property?		✓		✓				

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?		✓		✓				
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?		✓		✓				
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 . . . ▶		0 %		0 %		%		%
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 . . . ▶		0 %		0 %		%		%
6 Total of lines 4 and 5		0 %		0 %		%		%
7 Does the bond issue meet the private security or payment test?	✓		✓					
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?		✓		✓				
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?	✓		✓					

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?		✓		✓				
2 If "No" to line 1, did the following apply?								
a Rebate not due yet?		✓		✓				
b Exception to rebate?	✓		✓					
c No rebate due?		✓		✓				
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?		✓		✓				
4a Has the organization or the governmental issuer entered into a qualified hedge with respect to the bond issue?		✓		✓				
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)?		✓		✓				
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?		✓		✓				
7 Has the organization established written procedures to monitor the requirements of section 148?	✓		✓					

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 isn't available under applicable regulations?	✓		✓					

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

Schedule K, Part II, Line 7-02/04/2010 30,580,000 Maryland Health & Higher Educational Facilities - 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 K, 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.

**SCHEDULE L
(Form 990 or 990-EZ)**

Transactions With Interested Persons

OMB No. 1545-0047

2016

Open To Public Inspection

Department of the Treasury
Internal Revenue Service

▶ **Complete if the organization answered "Yes" on Form 990, Part IV, line 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.**
▶ **Information about Schedule L (Form 990 or 990-EZ) and its instructions is at www.irs.gov/form990.**

Name of the organization

Employer identification number

CARNEGIE INSTITUTION OF WASHINGTON

53-0196523

Part I Excess Benefit Transactions (section 501(c)(3), section 501(c)(4), and 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
(1)					
(2)					
(3)					
(4)					
(5)					
(6)					

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	Department Di			Mortgage		✓	761,694	552,596	
(2)												
(3)												
(4)												
(5)												
(6)												
(7)												
(8)												
(9)												
(10)												
Total						▶ \$	552,596					

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
(1)				
(2)				
(3)				
(4)				
(5)				
(6)				
(7)				
(8)				
(9)				
(10)				

**SCHEDULE M
(Form 990)**

Noncash Contributions

OMB No. 1545-0047

2016

Open to Public Inspection

Department of the Treasury
Internal Revenue Service

- ▶ **Complete if the organizations answered "Yes" on Form 990, Part IV, lines 29 or 30.**
- ▶ **Attach to Form 990.**
- ▶ **Information about Schedule M (Form 990) and its instructions is at www.irs.gov/form990.**

Name of the organization

Employer identification number

CARNEGIE INSTITUTION OF WASHINGTON

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	✓	4	20,553	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				
25 Other ▶ ()				
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**

	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?		✓
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?	✓	
32a Does the organization hire or use third parties or related organizations to solicit, process, or sell noncash contributions?	✓	
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.		

**SCHEDULE O
(Form 990 or 990-EZ)**

Department of the Treasury
Internal Revenue Service

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.

▶ Information about Schedule O (Form 990 or 990-EZ) and its instructions is at www.irs.gov/form990.

OMB No. 1545-0047

2016

**Open to Public
Inspection**

Name of the organization

CARNEGIE INSTITUTION OF WASHINGTON

Employer identification number

53-0196523

Form 990, Part III, Line 4a - CARNEGIE IS A WORLD-RENOWNED CENTER FOR PETROLOGY - STUDY OF ROCKS. IT IS ALSO A WORLD LEADER IN HIGH-PRESSURE AND HIGH-TEMPERATURE PHYSICS MAKING SIGNIFICANT CONTRIBUTIONS TO BOTH EARTH AND MATERIAL SCIENCES. CARNEGIE SCIENTISTS ARE PART OF AN INTERDISCIPLINARY EFFORT TO INVESTIGATE HOW LIFE EVOLVED ON THIS PLANET AND DETERMINE ITS POTENTIAL FOR EXISTING ELSEWHERE. WITH VARIOUS PARTNERS, CARNEGIE HAS LAUNCHED A NEW MULTI-DISCIPLINARY, INTERNATIONAL INITIATIVE DEDICATED TO ACHIEVING A TRANSFORMATIONAL UNDERSTANDING OF EARTH'S DEEP CARBON CYCLE, INCLUDING ITS POORLY CONSTRAINED RESERVOIRS AND FLUXES, UNKNOWN ROLE OF DEEP BIOLOGY, AND UNEXPLORED INFLUENCES OF THE DEEP CARBON CYCLE ON CRITICAL SOCIETAL CONCERNS RELATED TO ENERGY, ENVIRONMENT, AND CLIMATE. CARNEGIE ASTRONOMERS, UNLIKE MOST IN THEIR FIELD, DESIGN AND BUILD THEIR OWN INSTRUMENTS TO CAPTURE THE SECRETS OF SPACE. THEY ARE TRACING THE EVOLUTION OF THE UNIVERSE FROM THE SPARK OF THE BIG BANG THROUGH STAR AND GALAXY FORMATION, EXPLORING THE STRUCTURE OF THE UNIVERSE, AND PROBING THE MYSTERIES OF DARK MATTER, DARK ENERGY, AND THE EVER-ACCELERATING RATE AT WHICH THE UNIVERSE IS EXPANDING. CARNEGIE OPERATED TELESCOPES IN LAS CAMPANAS CHILE, AT WHICH A LARGE PART OF THE RESEARCH IS CONDUCTED, AND IS PART OF A CONSORTIUM THAT HAS UNDERTAKEN TO DESIGN, CONSTRUCT AND OPERATE A TELESCOPE KNOWN AS THE GIANT MAGELLAN TELESCOPE THAT, WHEN COMPLETE, WILL BE AMONG THE WORLD'S LARGEST GROUND BASED OPTICAL/INFRARED FACILITIES. CARNEGIE RESEARCH ALSO INCLUDES INTERDISCIPLINARY TEAMS OF ASTRONOMERS AND ASTROPHYSICISTS, GEOPHYSICISTS AND GEOCHEMISTS, COSMOCHEMISTS AND PLANETARY SCIENTISTS. THESE TEAMS ARE DISCOVERING PLANETS OUTSIDE OUR SOLAR SYSTEM, DETERMINING THE AGE AND STRUCTURE OF THE UNIVERSE, AND STUDYING THE CAUSES OF EARTHQUAKES AND VOLCANOES. USING INNOVATIVE APPROACHES TO RESEARCH ON GLOBAL ECOLOGY, CARNEGIE SCIENTISTS ARE PICKING APART THE COMPLICATED INTERACTIONS OF EARTH'S LAND, ATMOSPHERE, AND OCEANS TO UNDERSTAND HOW GLOBAL SYSTEMS OPERATE. WITH A WIDE RANGE OF POWERFUL TOOLS-FROM SATELLITES TO THE INSTRUMENTS OF MOLECULAR BIOLOGY-THESE SCIENTISTS EXPLORE ISSUES SUCH AS THE GLOBAL CARBON CYCLE, THE ROLE OF LAND AND OCEANIC ECOSYSTEMS, AND MUCH MORE. THESE ECOLOGISTS ALSO PLAY AN ACTIVE ROLE IN THE PUBLIC ARENA, FROM SERVING ON INTERNATIONAL PANELS INVESTIGATING CLIMATE CHANGE TO PROMOTING SATELLITE IMAGERY FOR THE DISCOVERY OF ENVIRONMENTAL HOT SPOTS.

Form 990, Part VI, Section B, Line 11b - CARNEGIE'S FORM 990 IS THOROUGHLY PREPARED AND RIGOROUSLY REVIEWED BEFORE IT IS FILED WITH THE IRS. THE RETURN IS PREPARED BY FINANCE DEPARTMENT AND REVIEWED BY SENIOR STAFF. THE DRAFT FORM 990 IS THEN DISTRIBUTED TO MEMBERS OF THE FINANCE AND OPERATIONS COMMITTEE OF THE BOARD OF TRUSTEES FOR REVIEW AND COMMENT. AFTER THE FINANCE AND OPERATIONS 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.

Form 990, Part VI, Section B, Line 12c - 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.

Form 990, Part VI, Section B, Line 15 - 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

Supplemental Information (Continued)

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 TH PRESIDENT DO NOT HAVE A CONFLICT OF INTEREST WITH REGARD TO THESE COMPENSATION ARRANGEMENTS.

Form 990, Part VI, Section C, Line 19 - 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 DOES NOT NORMALLY MAKE ITS GOVERNING DOCUMENTS AVAILABLE TO THE PUBLIC. THE ORGANIZATION'S AUDITED FINANCIAL STATEMENTS AND STAFF CONFLICT OF INTEREST POLICY ARE ALSO MADE AVAILABLE TO THE PUBLIC UPON REQUEST.

Form 990, Part XI, Line 9 - \$3,345,103 PENSION RELATED CHARGES OTHER THAN NET PERIODIC POSTRETIREMENT BENEFIT COST OF \$3,363,103 UNRECOGNIZED NET ACTUARIAL GAIN AND \$18,000 UNRECOGNIZED PRIOR SERVICE COST FOR THE YEAR ENDING JUNE 30, 2017.