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Form 990

Return of Organization Exempt From Income Tax

OMB No 1545-0047

2018

Open to Public Inspection

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

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

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

Department of the Treasury
Internal Revenue Service

A For the 2019 calendar year, or tax year beginning 01-01-2018 , and ending 12-31-2018

B Check if applicable

☐ Address change

☐ Name change

☐ Initial return

☐ Final return/terminated

☐ Amended return

☐ Application pending

C Name of organization

AMERICAN CHEMICAL SOCIETY

% ALBERT HORVATH

Doing business as

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

1155 SIXTEENTH STREET NW

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

WASHINGTON, DC 200364892

F Name and address of principal officer

Thomas M Connelly Jr

1155 SIXTEENTH STREETNW

WASHINGTON, DC 200364892

H(a) Is this a group return for subordinates?

☐ Yes ☒ No

H(b) Are all subordinates included?

☐ Yes ☐ No

If "No," attach a list (see instructions)

H(c) Group exemption number

0945

D Employer identification number

53-0196572

E Telephone number

(202) 872-6133

G Gross receipts \$ 1,796,759,001

I Tax-exempt status

☒ 501(c)(3) ☐ 501(c) () (insert no) ☐ 4947(a)(1) or ☐ 527

J Website: HTTPS //WWW ACS ORG

K Form of organization

☒ Corporation ☐ Trust ☐ Association ☐ Other

L Year of formation 1938

M State of legal domicile

Part I Summary

Activities & Governance

1 Briefly describe the organization's mission or most significant activities

The ACS is a federally chartered organization whose mission is to advance the broader chemistry ENTERPRISE AND ITS PRACTITIONERS for the benefit of earth & its people

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

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

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

5 Total number of individuals employed in calendar year 2018 (Part V, line 2a)

6 Total number of volunteers (estimate if necessary)

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

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

Revenue

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

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

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

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

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

Expenses

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

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

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

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

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

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

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

19 Revenue less expenses Subtract line 18 from line 12

Net Assets or Fund Balances

20 Total assets (Part X, line 16)

21 Total liabilities (Part X, line 26)

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

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

2019-11-04

Date

ALBERT HORVATH TREASURER & CFO

Type or print name and title

Paid Preparer Use Only

Print/Type preparer's name

Preparer's signature

Date

Check if self-employed

PTIN P01205643

Firm's name KPMG LLP

Firm's EIN

Firm's address 8350 BROAD STREET SUITE 900

Phone no (703) 286-8000

MCLEAN, VA 22102

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

☒ Yes ☐ No

For Paperwork Reduction Act Notice, see the separate instructions.

Cat No 11282Y

Form 990 (2018)

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

THE AMERICAN CHEMICAL SOCIETY IS A FEDERALLY CHARTERED ORGANIZATION WHOSE MISSION IS TO ADVANCE THE BROADER CHEMISTRY ENTERPRISE AND ITS PRACTITIONERS FOR THE BENEFIT OF EARTH AND ITS PEOPLE

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 \$ 417,456,153 including grants of \$) (Revenue \$ 534,606,782)
See Additional Data

4b (Code) (Expenses \$ 50,025,573 including grants of \$ 6,570,381) (Revenue \$ 18,815,695)
See Additional Data

4c (Code) (Expenses \$ 20,924,453 including grants of \$ 17,275,819) (Revenue \$)
See Additional Data

4d Other program services (Describe in Schedule O)
(Expenses \$ 13,787,937 including grants of \$) (Revenue \$ 10,106,489)

4e Total program service expenses ▶ 502,194,116

Part IV Checklist of Required Schedules

| | Yes | No |
|--|----------------|----|
| 1 Is the organization described in section 501(c)(3) or 4947(a)(1) (other than a private foundation)? If "Yes," complete Schedule A | 1 Yes | |
| 2 Is the organization required to complete Schedule B, Schedule of Contributors (see instructions)? | 2 Yes | |
| 3 Did the organization engage in direct or indirect political campaign activities on behalf of or in opposition to candidates for public office? If "Yes," complete Schedule C, Part I | 3 | No |
| 4 Section 501(c)(3) organizations. Did the organization engage in lobbying activities, or have a section 501(h) election in effect during the tax year? If "Yes," complete Schedule C, Part II | 4 Yes | |
| 5 Is the organization a section 501(c)(4), 501(c)(5), or 501(c)(6) organization that receives membership dues, assessments, or similar amounts as defined in Revenue Procedure 98-19? If "Yes," complete Schedule C, Part III | 5 | No |
| 6 Did the organization maintain any donor advised funds or any similar funds or accounts for which donors have the right to provide advice on the distribution or investment of amounts in such funds or accounts? If "Yes," complete Schedule D, Part I | 6 | No |
| 7 Did the organization receive or hold a conservation easement, including easements to preserve open space, the environment, historic land areas, or historic structures? If "Yes," complete Schedule D, Part II | 7 | No |
| 8 Did the organization maintain collections of works of art, historical treasures, or other similar assets? If "Yes," complete Schedule D, Part III | 8 | No |
| 9 Did the organization report an amount in Part X, line 21 for escrow or custodial account liability, serve as a custodian for amounts not listed in Part X, or provide credit counseling, debt management, credit repair, or debt negotiation services? If "Yes," complete Schedule D, Part IV | 9 | No |
| 10 Did the organization, directly or through a related organization, hold assets in temporarily restricted endowments, permanent endowments, or quasi-endowments? If "Yes," complete Schedule D, Part V | 10 Yes | |
| 11 If the organization's answer to any of the following questions is "Yes," then complete Schedule D, Parts VI, VII, VIII, IX, or X as applicable | | |
| a Did the organization report an amount for land, buildings, and equipment in Part X, line 10? If "Yes," complete Schedule D, Part VI | 11a Yes | |
| b Did the organization report an amount for investments—other securities in Part X, line 12 that is 5% or more of its total assets reported in Part X, line 16? If "Yes," complete Schedule D, Part VII | 11b Yes | |
| c Did the organization report an amount for investments—program related in Part X, line 13 that is 5% or more of its total assets reported in Part X, line 16? If "Yes," complete Schedule D, Part VIII | 11c | No |
| d Did the organization report an amount for other assets in Part X, line 15 that is 5% or more of its total assets reported in Part X, line 16? If "Yes," complete Schedule D, Part IX | 11d | No |
| e Did the organization report an amount for other liabilities in Part X, line 25? If "Yes," complete Schedule D, Part X | 11e Yes | |
| f Did the organization's separate or consolidated financial statements for the tax year include a footnote that addresses the organization's liability for uncertain tax positions under FIN 48 (ASC 740)? If "Yes," complete Schedule D, Part X | 11f Yes | |
| 12a Did the organization obtain separate, independent audited financial statements for the tax year? If "Yes," complete Schedule D, Parts XI and XII | 12a | No |
| b Was the organization included in consolidated, independent audited financial statements for the tax year? If "Yes," and if the organization answered "No" to line 12a, then completing Schedule D, Parts XI and XII is optional | 12b Yes | |
| 13 Is the organization a school described in section 170(b)(1)(A)(ii)? If "Yes," complete Schedule E | 13 | No |
| 14a Did the organization maintain an office, employees, or agents outside of the United States? | 14a Yes | |
| b Did the organization have aggregate revenues or expenses of more than \$10,000 from grantmaking, fundraising, business, investment, and program service activities outside the United States, or aggregate foreign investments valued at \$100,000 or more? If "Yes," complete Schedule F, Parts I and IV | 14b Yes | |
| 15 Did the organization report on Part IX, column (A), line 3, more than \$5,000 of grants or other assistance to or for any foreign organization? If "Yes," complete Schedule F, Parts II and IV | 15 Yes | |
| 16 Did the organization report on Part IX, column (A), line 3, more than \$5,000 of aggregate grants or other assistance to or for foreign individuals? If "Yes," complete Schedule F, Parts III and IV | 16 Yes | |
| 17 Did the organization report a total of more than \$15,000 of expenses for professional fundraising services on Part IX, column (A), lines 6 and 11e? If "Yes," complete Schedule G, Part I (see instructions) | 17 | No |
| 18 Did the organization report more than \$15,000 total of fundraising event gross income and contributions on Part VIII, lines 1c and 8a? If "Yes," complete Schedule G, Part II | 18 | No |
| 19 Did the organization report more than \$15,000 of gross income from gaming activities on Part VIII, line 9a? If "Yes," complete Schedule G, Part III | 19 | No |
| 20a Did the organization operate one or more hospital facilities? If "Yes," complete Schedule H | 20a | No |
| b If "Yes" to line 20a, did the organization attach a copy of its audited financial statements to this return? | 20b | |
| 21 Did the organization report more than \$5,000 of grants or other assistance to any domestic organization or domestic government on Part IX, column (A), line 1? If "Yes," complete Schedule I, Parts I and II | 21 Yes | |
| 22 Did the organization report more than \$5,000 of grants or other assistance to or for domestic individuals on Part IX, column (A), line 2? If "Yes," complete Schedule I, Parts I and III | 22 Yes | |

Part IV Checklist of Required Schedules (continued)

| | | Yes | No |
|------------|--|----------------|----|
| 23 | Did the organization answer "Yes" to Part VII, Section A, line 3, 4, or 5 about compensation of the organization's current and former officers, directors, trustees, key employees, and highest compensated employees? <i>If "Yes," complete Schedule J</i> | 23 Yes | |
| 24a | Did the organization have a tax-exempt bond issue with an outstanding principal amount of more than \$100,000 as of the last day of the year, that was issued after December 31, 2002? <i>If "Yes," answer lines 24b through 24d and complete Schedule K. If "No," go to line 25a</i> | 24a | No |
| b | Did the organization invest any proceeds of tax-exempt bonds beyond a temporary period exception? | 24b | |
| c | Did the organization maintain an escrow account other than a refunding escrow at any time during the year to defease any tax-exempt bonds? | 24c | |
| d | Did the organization act as an "on behalf of" issuer for bonds outstanding at any time during the year? | 24d | |
| 25a | Section 501(c)(3), 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> | 25a | No |
| b | Is the organization aware that it engaged in an excess benefit transaction with a disqualified person in a prior year, and that the transaction has not been reported on any of the organization's prior Forms 990 or 990-EZ? <i>If "Yes," complete Schedule L, Part I</i> | 25b | No |
| 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> | 26 | No |
| 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> | 27 | No |
| 28 | Was the organization a party to a business transaction with one of the following parties (see Schedule L, Part IV instructions for applicable filing thresholds, conditions, and exceptions) | | |
| a | A current or former officer, director, trustee, or key employee? <i>If "Yes," complete Schedule L, Part IV</i> | 28a | No |
| b | A family member of a current or former officer, director, trustee, or key employee? <i>If "Yes," complete Schedule L, Part IV</i> | 28b Yes | |
| 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> | 28c | No |
| 29 | Did the organization receive more than \$25,000 in non-cash contributions? <i>If "Yes," complete Schedule M</i> | 29 Yes | |
| 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> | 30 | No |
| 31 | Did the organization liquidate, terminate, or dissolve and cease operations? <i>If "Yes," complete Schedule N, Part I</i> | 31 | No |
| 32 | Did the organization sell, exchange, dispose of, or transfer more than 25% of its net assets? <i>If "Yes," complete Schedule N, Part II</i> | 32 | No |
| 33 | Did the organization own 100% of an entity disregarded as separate from the organization under Regulations sections 301.7701-2 and 301.7701-3? <i>If "Yes," complete Schedule R, Part I</i> | 33 | No |
| 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> | 34 Yes | |
| 35a | Did the organization have a controlled entity within the meaning of section 512(b)(13)? | 35a Yes | |
| 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> | 35b Yes | |
| 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> | 36 | No |
| 37 | Did the organization conduct more than 5% of its activities through an entity that is not a related organization and that is treated as a partnership for federal income tax purposes? <i>If "Yes," complete Schedule R, Part VI</i> | 37 | No |
| 38 | Did the organization complete Schedule O and provide explanations in Schedule O for Part VI, lines 11b and 19? Note. All Form 990 filers are required to complete Schedule O | 38 Yes | |

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

| | | Yes | No |
|-----------|--|-----------------|----|
| 1a | Enter the number reported in Box 3 of Form 1096. Enter -0- if not applicable | 1a 1,097 | |
| b | Enter the number of Forms W-2G included in line 1a. Enter -0- if not applicable | 1b 0 | |
| c | Did the organization comply with backup withholding rules for reportable payments to vendors and reportable gaming (gambling) winnings to prize winners? | 1c Yes | |

| | | | | | | |
|--|--|-----------|-------|------------|-----|----|
| 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 | 2,162 | 2b | Yes | |
| b If at least one is reported on line 2a, did the organization file all required federal employment tax returns? Note. If the sum of lines 1a and 2a is greater than 250, you may be required to e-file (see instructions) | | | | 2b | Yes | |
| 3a Did the organization have unrelated business gross income of \$1,000 or more during the year? | | | | 3a | Yes | |
| b If "Yes," has it filed a Form 990-T for this year? If "No" to line 3b, provide an explanation in Schedule O | | | | 3b | Yes | |
| 4a At any time during the calendar year, did the organization have an interest in, or a signature or other authority over, a financial account in a foreign country (such as a bank account, securities account, or other financial account)? | | | | 4a | Yes | |
| b If "Yes," enter the name of the foreign country ► IN , UK See instructions for filing requirements for FinCEN Form 114, Report of Foreign Bank and Financial Accounts (FBAR) | | | | | | |
| 5a Was the organization a party to a prohibited tax shelter transaction at any time during the tax year? | | | | 5a | | No |
| b Did any taxable party notify the organization that it was or is a party to a prohibited tax shelter transaction? | | | | 5b | | No |
| c If "Yes," to line 5a or 5b, did the organization file Form 8886-T? | | | | 5c | | |
| 6a Does the organization have annual gross receipts that are normally greater than \$100,000, and did the organization solicit any contributions that were not tax deductible as charitable contributions? | | | | 6a | | No |
| b If "Yes," did the organization include with every solicitation an express statement that such contributions or gifts were not tax deductible? | | | | 6b | | |
| 7 Organizations that may receive deductible contributions under section 170(c). | | | | | | |
| a Did the organization receive a payment in excess of \$75 made partly as a contribution and partly for goods and services provided to the payor? | | | | 7a | Yes | |
| b If "Yes," did the organization notify the donor of the value of the goods or services provided? | | | | 7b | Yes | |
| c Did the organization sell, exchange, or otherwise dispose of tangible personal property for which it was required to file Form 8282? | | | | 7c | | No |
| d If "Yes," indicate the number of Forms 8282 filed during the year | | | | 7d | | |
| e Did the organization receive any funds, directly or indirectly, to pay premiums on a personal benefit contract? | | | | 7e | | No |
| f Did the organization, during the year, pay premiums, directly or indirectly, on a personal benefit contract? | | | | 7f | | No |
| g If the organization received a contribution of qualified intellectual property, did the organization file Form 8899 as required? | | | | 7g | | |
| 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 | | |
| 9a Did the sponsoring organization make any taxable distributions under section 4966? | | | | 9a | | |
| b Did the sponsoring organization make a distribution to a donor, donor advisor, or related person? | | | | 9b | | |
| 10 Section 501(c)(7) organizations. Enter | | | | | | |
| a Initiation fees and capital contributions included on Part VIII, line 12 | | | | 10a | | |
| b Gross receipts, included on Form 990, Part VIII, line 12, for public use of club facilities | | | | 10b | | |
| 11 Section 501(c)(12) organizations. Enter | | | | | | |
| a Gross income from members or shareholders | | | | 11a | | |
| b Gross income from other sources (Do not net amounts due or paid to other sources against amounts due or received from them) | | | | 11b | | |
| 12a Section 4947(a)(1) non-exempt charitable trusts. Is the organization filing Form 990 in lieu of Form 1041? | | | | | | |
| b If "Yes," enter the amount of tax-exempt interest received or accrued during the year | | | | 12b | | |
| 13 Section 501(c)(29) qualified nonprofit health insurance issuers. | | | | | | |
| a Is the organization licensed to issue qualified health plans in more than one state? Note. See the instructions for additional information the organization must report on Schedule O | | | | 13a | | |
| b Enter the amount of reserves the organization is required to maintain by the states in which the organization is licensed to issue qualified health plans | | | | 13b | | |
| c Enter the amount of reserves on hand | | | | 13c | | |
| 14a Did the organization receive any payments for indoor tanning services during the tax year? | | | | 14a | | No |
| b If "Yes," has it filed a Form 720 to report these payments? If "No," provide an explanation in Schedule O | | | | 14b | | |
| 15 Is the organization subject to the section 4960 tax on payment(s) of more than \$1,000,000 in remuneration or excess parachute payment(s) during the year? If "Yes," see instructions and file Form 4720, Schedule N | | | | 15 | Yes | |
| 16 Is the organization an educational institution subject to the section 4968 excise tax on net investment income? If "Yes," complete Form 4720, Schedule O | | | | 16 | | No |

Part VI

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

Section A. Governing Body and Management

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

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

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

Section C. Disclosure

17 List the States with which a copy of this Form 990 is required to be filed: AL, AR, CA, FL, GA, HI, IL, KS, KY, MD, MA, MI, MN, MS, NH, NJ, NM, NY, NC, OR, PA, RI, SC, TN, UT, VA, WV, WI

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

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

20 State the name, address, and telephone number of the person who possesses the organization's books and records.
 ▶ ALBERT HORVATH 1155 SIXTEENTH STREET NW WASHINGTON, DC 20036 (202) 872-6133

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 ☒

☒

● List all of the organization's **current** officers, directors, trustees (whether individuals or organizations), regardless of amount of compensation. Enter -0- in columns (D), (E), and (F) if no compensation was paid.

● List all of the organization's **current** key employees, if any. See instructions for definition of "key employee."

• List the organization's five **current** highest compensated employees (other than an officer, director, trustee or key employee) who received reportable compensation (Box 5 of Form W-2 and/or Box 7 of Form 1099-MISC) of more than \$100,000 from the organization and any related organizations

● List all of the organization's **former** officers, key employees, or highest compensated employees who received more than \$100,000 of reportable compensation from the organization and any related organizations

• List all of the organization's **former directors or trustees** that received, in the capacity as a former director or trustee of the organization, more than \$10,000 of reportable compensation from the organization and any related organizations

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

[illegible]

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

| (A) Name and Title | (B) Average hours per week (list any hours for related organizations below dotted line) | (C) Position (do not check more than one box, unless person is both an officer and a director/trustee) | | | | | | (D) Reportable compensation from the organization (W-2/1099-MISC) | (E) Reportable compensation from related organizations (W-2/1099-MISC) | (F) Estimated amount of other compensation from the organization and related organizations |
|---------------------------|--|---|-----------------------|---------|--------------|------------------------------|--------|--|---|---|
| | | Individual trustee or director | Institutional Trustee | Officer | Key employee | Highest compensated employee | Former | | | |
| See Additional Data Table | | | | | | | | | | |
| | | | | | | | | | | |
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| | | | | |
|--|---|-----------|---|---------|
| 1b Sub-Total | ▶ | | | |
| c Total from continuation sheets to Part VII, Section A | ▶ | | | |
| d Total (add lines 1b and 1c) | ▶ | 6,753,310 | 0 | 603,679 |

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 ▶ **818**

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

Section B. Independent Contractors

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

| (A) Name and business address | (B) Description of services | (C) Compensation |
|---|--------------------------------|---------------------|
| SCOPE E KNOWLEDGE CENTER PVT LTD, 11 FLOOR TEMPLE TOWERS NANADANAM CHENNAI, 0 60035 IN | DATABASE SERVICES | 6,604,703 |
| MOLECULAR CONNECTIONS PVT LTD, KANDALA MANSIONS 2/2 KARIAPPA ROAD BANGALORE, 0 560004 IN | ABSTRACTING SERVICES | 6,170,134 |
| JAICI, NAKAI BLDG 6-25-4 HONKOMAGOMA BUN TOKYO, 0 113 JA | ABSTRACTING SERVICES | 5,944,273 |
| INFORMATION CONTROL CORP, 2500 CORPORATE EXCHANGE DRIVE SUIT COLUMBUS, OH 43231 | IT CONTRACTING SVCS | 5,178,007 |
| PLANET SYSTEMS GROUP SRO, NAD KRALOVSKOU VSKOU OBOROU 126/45 903649 EZ | EDITORIAL SERVICES | 4,747,234 |

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 ▶ **210**

| Part VIII | | Statement of Revenue | | | | | |
|--|---|--|----------------------|--|---|--|------------|
| Check if Schedule O contains a response or note to any line in this Part VIII <input type="checkbox"/> | | | | | | | |
| | | | (A) Total revenue | (B) Related or exempt function revenue | (C) Unrelated business revenue | (D) Revenue excluded from tax under sections 512 - 514 | |
| Contributions, Gifts, Grants and Other Similar Amounts | 1a Federated campaigns | 1a | | | | | |
| | b Membership dues | 1b | | | | | |
| | c Fundraising events | 1c | | | | | |
| | d Related organizations | 1d | | | | | |
| | e Government grants (contributions) | 1e | 106,934 | | | | |
| | f All other contributions, gifts, grants, and similar amounts not included above | 1f | 3,771,139 | | | | |
| | g Noncash contributions included in lines 1a - 1f \$ | 87,796 | | | | | |
| h Total. Add lines 1a-1f ▶ | | | 3,878,073 | | | | |
| Program Service Revenue | | | Business Code | | | | |
| | 2a INFORMATION SERVICES | 541800 | 534,606,782 | 526,618,434 | 7,973,118 | 15,230 | |
| | b EDUCATION & MEMBERSHIP | 541800 | 18,815,695 | 5,730,390 | 65,500 | 13,019,805 | |
| | c MEMBER INSURANCE PROGRAM | 525920 | 9,826,266 | | 9,826,266 | | |
| | d | | | | | | |
| | e | | | | | | |
| | f All other program service revenue | | | | | | |
| g Total. Add lines 2a-2f ▶ | | | 563,248,743 | | | | |
| Other Revenue | 3 Investment income (including dividends, interest, and other similar amounts) ▶ | | 27,249,904 | | | 27,249,904 | |
| | 4 Income from investment of tax-exempt bond proceeds ▶ | | 0 | | | | |
| | 5 Royalties ▶ | | 2,279,941 | | | 2,279,941 | |
| | 6a Gross rents | (i) Real | (ii) Personal | | | | |
| | | | | | | | |
| | | 27,255 | | | | | |
| | | b Less rental expenses | 15,843 | | | | |
| | c Rental income or (loss) | 11,412 | 0 | | | | |
| | | d Net rental income or (loss) ▶ | | 11,412 | 11,412 | | |
| | 7a Gross amount from sales of assets other than inventory | (i) Securities | (ii) Other | | | | |
| | | | | | | | |
| | | 1,199,806,274 | | | | | |
| | | b Less cost or other basis and sales expenses | 1,152,263,883 | | | | |
| | c Gain or (loss) | 47,542,391 | | | | | |
| | | d Net gain or (loss) ▶ | | 47,542,391 | | | 47,542,391 |
| | 8a Gross income from fundraising events (not including \$ of contributions reported on line 1c) See Part IV, line 18 a | | 0 | | | | |
| | | b Less direct expenses b | | 0 | | | |
| c Net income or (loss) from fundraising events ▶ | | 0 | | | | | |
| 9a Gross income from gaming activities See Part IV, line 19 a | | 0 | | | | | |
| | b Less direct expenses b | | 0 | | | | |
| | c Net income or (loss) from gaming activities ▶ | | 0 | | | | |
| 10a Gross sales of inventory, less returns and allowances a | | 0 | | | | | |
| | b Less cost of goods sold b | | 0 | | | | |
| | c Net income or (loss) from sales of inventory ▶ | | 0 | | | | |
| Miscellaneous Revenue | | Business Code | | | | | |
| 11a MISCELLANEOUS REVENUE | 900099 | 268,811 | 268,811 | | | | |
| b | | | | | | | |
| c | | | | | | | |
| d All other revenue | | | | | | | |
| e Total. Add lines 11a-11d ▶ | | | 268,811 | | | | |
| 12 Total revenue. See Instructions ▶ | | | 644,479,275 | 532,629,047 | 17,864,884 | 90,107,271 | |

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. | 21,575,715 | 21,575,715 | | |
| 2 Grants and other assistance to domestic individuals. See Part IV, line 22. | 922,837 | 922,837 | | |
| 3 Grants and other assistance to foreign organizations, foreign governments, and foreign individuals. See Part IV, line 15 and 16. | 1,347,648 | 1,347,648 | | |
| 4 Benefits paid to or for members. | 0 | | | |
| 5 Compensation of current officers, directors, trustees, and key employees. | 4,695,207 | 1,959,895 | 2,735,312 | |
| 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 | | | |
| 7 Other salaries and wages. | 190,975,306 | 166,183,474 | 24,010,296 | 781,536 |
| 8 Pension plan accruals and contributions (include section 401(k) and 403(b) employer contributions). | 12,815,201 | 8,859,025 | 3,945,027 | 11,149 |
| 9 Other employee benefits. | 29,443,802 | 28,874,569 | 425,750 | 143,483 |
| 10 Payroll taxes. | 13,771,964 | 11,980,094 | 1,737,464 | 54,406 |
| 11 Fees for services (non-employees): | | | | |
| a Management. | 0 | | | |
| b Legal. | 1,837,437 | 745,567 | 1,084,902 | 6,968 |
| c Accounting. | 410,922 | 22,000 | 388,922 | |
| d Lobbying. | 0 | | | |
| e Professional fundraising services. See Part IV, line 17. | 0 | | | |
| f Investment management fees. | 1,772,827 | 1,769,786 | | 3,041 |
| g Other (If line 11g amount exceeds 10% of line 25, column (A) amount, list line 11g expenses on Schedule O). | 122,014,310 | 116,523,515 | 5,348,940 | 141,855 |
| 12 Advertising and promotion. | 12,548,857 | 12,462,367 | 85,387 | 1,103 |
| 13 Office expenses. | 5,537,764 | 4,454,694 | 961,571 | 121,499 |
| 14 Information technology. | 38,323,185 | 31,756,521 | 6,556,903 | 9,761 |
| 15 Royalties. | 4,269,928 | 4,269,928 | | |
| 16 Occupancy. | 10,595,701 | 7,942,958 | 2,647,098 | 5,645 |
| 17 Travel. | 14,897,584 | 11,536,636 | 3,278,595 | 82,353 |
| 18 Payments of travel or entertainment expenses for any federal, state, or local public officials. | 0 | | | |
| 19 Conferences, conventions, and meetings. | 7,851,377 | 7,342,986 | 500,280 | 8,111 |
| 20 Interest. | 0 | | | |
| 21 Payments to affiliates. | 0 | | | |
| 22 Depreciation, depletion, and amortization. | 32,632,613 | 25,913,855 | 6,718,758 | |
| 23 Insurance. | 365,569 | 290,408 | 75,161 | |
| 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 PREMIUM | 11,653,092 | 11,653,092 | | |
| b LIBRARY | 9,406,903 | 8,685,050 | 718,855 | 2,998 |
| c PUBLICATION AND DISTRIBUTION | 3,665,562 | 3,623,840 | 41,722 | |
| d EMPLOYEE TRAIN, DEV, RECRUIT | 3,116,797 | 1,575,461 | 1,538,789 | 2,547 |
| e All other expenses | 7,522,547 | 9,922,195 | -2,510,088 | 110,440 |
| 25 Total functional expenses. Add lines 1 through 24e. | 563,970,655 | 502,194,116 | 60,289,644 | 1,486,895 |
| 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 SheetCheck if Schedule O contains a response or note to any line in this Part IX ☐

| | | (A) Beginning of year | | (B) End of year |
|--|--|--------------------------|---------------|------------------------|
| Assets | 1 Cash—non-interest-bearing | 56,557,577 | 1 | 62,767,870 |
| | 2 Savings and temporary cash investments | 31,791,604 | 2 | 42,843,245 |
| | 3 Pledges and grants receivable, net | 2,177,740 | 3 | 2,117,639 |
| | 4 Accounts receivable, net | 113,649,700 | 4 | 114,587,059 |
| | 5 Loans and other receivables from current and former officers, directors, trustees, key employees, and highest compensated employees. Complete Part II of Schedule L | 0 | 5 | 0 |
| | 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 | 0 | 7 | 0 |
| | 8 Inventories for sale or use | 222,095 | 8 | 174,512 |
| | 9 Prepaid expenses and deferred charges | 12,324,433 | 9 | 15,180,393 |
| | 10a Land, buildings, and equipment—cost or other basis. Complete Part VI of Schedule D | 10a 369,042,035 | | |
| | b Less: accumulated depreciation | 10b 243,568,148 | 123,499,675 | 10c 125,473,887 |
| | 11 Investments—publicly traded securities | 993,119,441 | 11 | 924,229,568 |
| | 12 Investments—other securities. See Part IV, line 11 | 112,043,094 | 12 | 98,692,382 |
| | 13 Investments—program-related. See Part IV, line 11 | 0 | 13 | 0 |
| | 14 Intangible assets | 0 | 14 | 0 |
| | 15 Other assets. See Part IV, line 11 | 10,502,540 | 15 | 9,938,412 |
| 16 Total assets. Add lines 1 through 15 (must equal line 34) | 1,455,887,899 | 16 | 1,396,004,967 | |
| Liabilities | 17 Accounts payable and accrued expenses | 70,269,993 | 17 | 64,440,355 |
| | 18 Grants payable | 17,507,044 | 18 | 17,670,432 |
| | 19 Deferred revenue | 200,234,870 | 19 | 208,007,789 |
| | 20 Tax-exempt bond liabilities | 0 | 20 | 0 |
| | 21 Escrow or custodial account liability. Complete Part IV of Schedule D | 0 | 21 | 0 |
| | 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 | 0 |
| | 23 Secured mortgages and notes payable to unrelated third parties | 0 | 23 | 0 |
| | 24 Unsecured notes and loans payable to unrelated third parties | 0 | 24 | 0 |
| | 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 | 144,630,556 | 25 | 137,013,204 |
| | 26 Total liabilities. Add lines 17 through 25 | 432,642,463 | 26 | 427,131,780 |
| 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 | 325,574,194 | 27 | 327,006,607 |
| | 28 Temporarily restricted net assets | 555,059,429 | 28 | 499,879,581 |
| | 29 Permanently restricted net assets | 142,611,813 | 29 | 141,986,999 |
| | 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 | 1,023,245,436 | 33 | 968,873,187 | |
| 34 Total liabilities and net assets/fund balances | 1,455,887,899 | 34 | 1,396,004,967 | |

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

| | | | |
|-----------|---|-----------|---------------|
| 1 | Total revenue (must equal Part VIII, column (A), line 12) | 1 | 644,479,275 |
| 2 | Total expenses (must equal Part IX, column (A), line 25) | 2 | 563,970,655 |
| 3 | Revenue less expenses Subtract line 2 from line 1 | 3 | 80,508,620 |
| 4 | Net assets or fund balances at beginning of year (must equal Part X, line 33, column (A)) | 4 | 1,023,245,436 |
| 5 | Net unrealized gains (losses) on investments | 5 | -123,093,029 |
| 6 | Donated services and use of facilities | 6 | |
| 7 | Investment expenses | 7 | |
| 8 | Prior period adjustments | 8 | |
| 9 | Other changes in net assets or fund balances (explain in Schedule O) | 9 | -11,787,840 |
| 10 | Net assets or fund balances at end of year Combine lines 3 through 9 (must equal Part X, line 33, column (B)) | 10 | 968,873,187 |

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

| | Yes | No |
|--|-----|----|
| 1 Accounting method used to prepare the Form 990 <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 | | No |
| b Were the organization's financial statements audited by an independent accountant? If 'Yes,' check a box below to indicate whether the financial statements for the year were audited on a separate basis, consolidated basis, or both <input type="checkbox"/> Separate basis <input checked="" type="checkbox"/> Consolidated basis <input type="checkbox"/> Both consolidated and separate basis | Yes | |
| c If "Yes," to line 2a or 2b, does the organization have a committee that assumes responsibility for oversight of the audit, review, or compilation of its financial statements and selection of an independent accountant? If the organization changed either its oversight process or selection process during the tax year, explain in Schedule O | Yes | |
| 3a As a result of a federal award, was the organization required to undergo an audit or audits as set forth in the Single Audit Act and OMB Circular A-133? | | No |
| 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 | | |

Software ID:
Software Version:
EIN: 53-0196572
Name: AMERICAN CHEMICAL SOCIETY

Form 990 (2018)

Form 990, Part III, Line 4a:

Information Services - THE AMERICAN CHEMICAL SOCIETY (ACS) ACHIEVES ITS GOAL TO BE AN INDISPENSABLE PROFESSIONAL AND INFORMATION RESOURCE FOR MEMBERS AND OTHER CHEMISTRY-RELATED PRACTITIONERS THROUGH TWO PUBLISHING DIVISIONS, CHEMICAL ABSTRACTS SERVICE (CAS) AND ACS PUBLICATIONS. THESE DIVISIONS PROVIDE SIGNIFICANT SERVICES TO ACS MEMBERS AND THE GLOBAL SCIENTIFIC COMMUNITY WITH ACCURATE, TIMELY, AND AUTHORITATIVE CHEMICAL AND RELATED SCIENTIFIC INFORMATION. FOR MORE THAN 110 YEARS, CAS HAS BEEN ANALYZING THE WORLD'S SCIENTIFIC CONTENT AND ADVANCING NEW SEARCH TECHNOLOGIES TO MAKE INFORMATION MORE ACCESSIBLE. AS A GLOBAL HUB FOR BIG CHEMISTRY DATA, CAS OFFERS SECURE, RELIABLE SYSTEMS BACKED BY PROPRIETARY CUTTING-EDGE TECHNOLOGY. CAS'S STRENGTH COMES FROM ITS PEOPLE - HUNDREDS OF SCIENTISTS SPEND HOURS ANALYZING PUBLISHED LITERATURE - TECH EXPERTS MANAGE DATA AND BUILD NEW TECHNOLOGIES TO TACKLE THE UNIQUE CHALLENGES OF SCIENTIFIC CONTENT - AS A DIVISION OF THE AMERICAN CHEMICAL SOCIETY, CAS KNOWLEDGE OF SCIENTIFIC INFORMATION FAR EXCEEDS ANY OTHER ORGANIZATION. TOP GLOBAL RESEARCH-AND INNOVATION-FOCUSED ORGANIZATIONS TRUST CAS TO DELIVER THE INFORMATION THEY NEED, FROM FORTUNE 500 COMPANIES TO THE WORLD'S LEADING CONTRACT RESEARCH ORGANIZATIONS AND PATENT OFFICES TO TOP RESEARCH UNIVERSITIES AND LAW FIRMS, AMONG OTHERS. CAS provides powerful information analysis products, including SciFinder and STN that improve productivity and help advance one's discipline - be it in chemistry and related sciences or intellectual property. CAS's broad-based, easy to use workflow solutions drive discovery and deep insights for the scientific enterprise that lead to innovations ranging from product improvements to revelations that solve some of the world's biggest problems in areas from treatment of disease to sustainable energy to global food supply needs. CAS ALSO BRINGS THE UNIQUE CAPABILITY TO DESIGN CUSTOM SOLUTIONS THAT COMBINE THE RIGHT CONTENT, SPECIALIZED TECHNOLOGIES AND PROVEN SUBJECT MATTER EXPERTISE WHICH HELP CAS CUSTOMERS CAPTURE MORE OPPORTUNITY AND ACCELERATE results. THROUGH AN UNPARALLELED COMMITMENT TO QUALITY, RELIABILITY, AND INNOVATION, ACS PUBLICATIONS SERVES THE GLOBAL SCIENTIFIC COMMUNITY AS THE LEADING PUBLISHER OF PEER-REVIEWED RESEARCH JOURNALS IN THE CHEMICAL AND RELATED SCIENCES, AND CHEMICAL & ENGINEERING NEWS (C&EN), THE LEADING NEWS MAGAZINE OF THE CHEMICAL WORLD. ACS publishes nearly 60 peer-reviewed journals, disseminating cutting-edge articles across a broad spectrum of scientific disciplines. The breadth and scope of the ACS's journals is unparalleled, stretching across chemistry, physics, and biology. Noted for their high quality, rapid time to publication, and high impact, ACS journals are available at more than 5,000 academic, governmental, and corporate institutions worldwide. In 2018, ACS Publications continued its strong record of service to the global community of researchers in the chemical and related sciences. More than 51,000 articles were selected for publication within the ACS's peer-reviewed journals, through a rigorous editorial process that has solidified the ACS's publishing portfolio as one of preeminence in terms of both subsequent literature citations and impact factor ranking metrics. ACS journals continue to be the most-cited and/or impactful scientific journals in their respective scientific subject categories, according to the 2017 journal citation reports (JCR), released by Clarivate analytics. In total, ACS journal articles were cited more than 3.1 million times in 2017, an increase of 8 percent over the previous year. Overall, 90 percent of the ACS's journals covered by Clarivate's analysis posted Impact Factors of 3 or higher in 2017, with almost half of ACS titles achieving Impact Factors greater than 5. In 2018, ACS Publications launched two new members of its well-established ACS Applied Materials & Interfaces family of interdisciplinary peer-reviewed journals, ACS Applied Energy Materials and ACS Applied Nano Materials. Reinforcing its commitment to supporting authors globally, 2018 marked the launch of the ACS Publishing Center, a centralized portal bringing together functionality in ACS ChemWorx and resources from the Author & Reviewer Resource Center. ACS Reviewer Lab, an online course created to help educate researchers on the fundamentals of scholarly peer review, was translated into Chinese and Japanese and ACS Publications launched ACS Author University, a 15-video series showcasing editor advice on all aspects of the publication process. ACS Publications open access offerings continue to thrive and expand ACS' global reach. ChemRxiv(TM), a new chemistry preprint server for the global chemistry community, continued its record of growth. ChemRxiv (TM) facilitates the rapid and open dissemination of important scientific findings ahead of formal peer review and publication, and helps researchers attract constructive feedback from peers and establish priority in competitive fields. Each preprint carries an associated altmetric badge and attention score. In 2018, ChemRxiv(TM) exceeded 1,000 preprints posted from authors in more than 50 countries and reached more than 1,000,000 total preprint views/downloads. All ACS research journals support preprint and subsequent journal publication. In 2018, ACS journals recorded more than 133,000,000 counter-compliant downloads of articles to users - a double-digit increase over 2017. Readers worldwide viewed 194 million abstracts from across our online platform. In 2018, C&EN introduced its new website. The new site is optimized for mobile devices. Pages load faster and the content is now organized around subject matter with video, photos, and artwork, integrated throughout to create a rich reading experience. Social-sharing tools encourage readers to share C&EN's most compelling content. Also in 2018, C&EN released the first episode of its new monthly podcast to provide a channel to discuss chemistry news and share reporters' expertise and analysis. Podcasts are available on iTunes, Google Play and Amazon's Alexa. C&EN Brandlab continued to expand in 2018 through its offerings of native advertising, whitepapers, ebooks, interactive quizzes and event publications. Traffic to the C&EN website again exceeded 3 million unique users and C&EN newsletters continue to drive readers to C&EN's growing body of digital first and digital only content.

Form 990, Part III, Line 4b:

EDUCATION and Membership - SUPPORTING EXCELLENCE IN EDUCATION IS A STRATEGIC GOAL OF ACS. ACS RESOURCES, SERVICES, AND PRODUCTS FOSTER THE DEVELOPMENT OF INNOVATIVE, RELEVANT, AND EFFECTIVE CHEMISTRY AND CHEMISTRY-RELATED EDUCATION THAT PREPARES A SCIENTIFICALLY LITERATE CITIZENRY AND HIGHLY QUALIFIED CHEMICAL WORKFORCE READY TO ADDRESS GLOBAL CHALLENGES. IN 2018, ACS REACHED OUT TO NUMEROUS ELEMENTARY AND SECONDARY SCHOOL STUDENTS AND TEACHERS IN NEW AND INNOVATIVE WAYS. ACS PROVIDED A NEW GENERATION OF UNDERGRADUATE AND GRADUATE STUDENTS AND FACULTY WITH OPPORTUNITIES TO LEARN SKILLS THAT THEY WILL NEED TO COMPETE AND SUCCEED AS THEY MOVE FORWARD WITH THEIR CAREERS. THE AMERICAN ASSOCIATION OF CHEMISTRY TEACHERS (AACT) LAUNCHED IN 2014, IS THE FIRST NATIONAL, CHEMISTRY-SPECIFIC ASSOCIATION OF ITS KIND DEDICATED TO K-12 TEACHERS. AACT ENDED 2018 WITH MORE THAN 5,690 MEMBERS, AN 18 PERCENT GROWTH SINCE 2017. ONE OF ACS'S MOST SUCCESSFUL EFFORTS, THE ACS SCHOLARS PROGRAM, CONTINUES TO HELP UNDERREPRESENTED MINORITY STUDENTS ACHIEVE THEIR DREAMS OF OBTAINING DEGREES AND CAREERS IN A BROAD RANGE OF CHEMICAL SCIENCES. IN ALL, NEARLY 3,200 AFRICAN-AMERICAN, HISPANIC/LATINO, AND NATIVE AMERICAN STUDENTS HAVE PARTICIPATED IN THE PROGRAM SINCE 1995. OF THOSE, 1,940 HAVE EARNED BACHELOR'S DEGREES IN A CHEMICAL SCIENCE AND 307 OF THESE ACS SCHOLARS HAVE GONE ON TO EARN DOCTORAL DEGREES IN CHEMISTRY, CHEMICAL ENGINEERING, OR A RELATED DISCIPLINE. ANOTHER PREMIER PROGRAM, PROJECT SEED, OFFERS HIGH SCHOOL STUDENTS THE RARE OPPORTUNITY TO WORK IN ACADEMIC, GOVERNMENT, OR INDUSTRIAL RESEARCH LABORATORIES FOR AN EIGHT-TO-TEN WEEK TERM DURING THE SUMMER TO ENGAGE IN HANDS-ON SCIENCE RESEARCH PROJECTS UNDER THE SUPERVISION OF VOLUNTEER SCIENTISTS. THE 50TH ANNIVERSARY OF PROJECT SEED WAS CELEBRATED IN 2018 WITH A LAUNCH OF A NEW WEBSITE. IN 2018, OVER 400 VOLUNTEER SCIENTISTS AND COORDINATORS MENTORED 430 STUDENTS IN MORE THAN 156 INSTITUTIONS IN 39 STATES, THE DISTRICT OF COLUMBIA, AND PUERTO RICO. FOR THE 2018-2019 SCHOOL YEAR, ACS AWARDED 27 PROJECT SEED COLLEGE SCHOLARSHIPS TO ALUMNI ENTERING THEIR FRESHMAN YEAR IN COLLEGE. THREE PROJECT SEED COLLEGE SCHOLARS RECEIVED THE CIBA SPECIALTY CHEMICALS SCHOLARSHIPS FOR THREE-RENEWABLE YEARS BEGINNING WITH THEIR SOPHOMORE YEAR. CHEMIDP, AN ONLINE INDIVIDUAL DEVELOPMENT PLAN TOOL LAUNCHED IN 2015 AND DESIGNED SPECIFICALLY FOR GRADUATE STUDENTS AND POSTDOCS IN THE CHEMICAL SCIENCES, CONTINUED ITS EXPANSION. IN 2018, TEN CHEMIDP WORKSHOPS WERE HELD AT ACS NATIONAL AND REGIONAL MEETINGS AND AT UNIVERSITIES ACROSS THE COUNTRY. THE NUMBER OF USER ACCOUNTS FOR THE ASSOCIATED WEB TOOL INCREASED OVER FIFTY PERCENT, REACHING NEARLY 4,000 AT THE END OF 2018. IN 2018, THE US CHEMISTRY OLYMPIAD TEAM SUSTAINED ITS 2017 RECORD, WINNING FOUR GOLD MEDALS AT THE 50TH INTERNATIONAL CHEMISTRY OLYMPIAD. IN 2018, THE ACS EARTH DAY OUTREACH CAMPAIGN WAS EXTENDED TO CHEMISTS CELEBRATE EARTH WEEK, ENGAGING 136 ACS LOCAL SECTIONS. OVER 74,000 COPIES OF THE CHILDREN'S PUBLICATION "CELEBRATING CHEMISTRY" WERE DISTRIBUTED, AN INCREASE OF 12,000 COPIES COMPARED TO 2017. ACS MEMBERSHIP & SOCIETY SERVICES (M&SS) PROGRAMS ARE ADMINISTERED WITH THE VISION THAT ACS WILL BE THE PREMIER PROFESSIONAL MEMBERSHIP ORGANIZATION FOR ALL PRACTITIONERS OF CHEMISTRY WORLDWIDE. IN 2018, THE ACS HAD MORE THAN 151,000 MEMBERS. MEMBERSHIP PROGRAMS ARE BUILT AROUND FOUR FUNDAMENTAL OBJECTIVES: - ADVANCE THE CHEMICAL SCIENCES AND TECHNOLOGIES THROUGH THE DELIVERY OF HIGH-QUALITY PROGRAMS THAT PROVIDE CUTTING-EDGE TECHNICAL INFORMATION TO ALL PRACTITIONERS OF CHEMISTRY AND CHEMICAL ENGINEERING. - COMMUNICATE THE VALUE OF CHEMISTRY AND CHEMICAL ENGINEERING TO THE PUBLIC BY FACILITATING EXCELLENT VOLUNTEER-DRIVEN PROGRAMS AND ACTIVITIES. - SUPPORT A DIVERSE COMMUNITY OF MULTIDISCIPLINARY CHEMICAL PROFESSIONALS THROUGH VALUE-BASED PROGRAMS, SERVICES AND INFORMATION THAT ALLOW CHEMICAL PRACTITIONERS TO DEVELOP AND MANAGE THEIR CAREERS IN A GLOBAL ENVIRONMENT. - ADVANCE THE FRONTIERS OF OUR SCIENCE IN A MULTIDISCIPLINARY, INTERNATIONAL CONTEXT, ENSURE ADVANCES IN SCIENTIFIC KNOWLEDGE AND EDUCATION BENEFIT THE GLOBAL SCIENTIFIC COMMUNITY, AND FOSTER A LIFELONG CONNECTION AMONG INTERNATIONAL CHEMICAL PROFESSIONALS TO ACS. IN 2018, THE ACS HELD 2 NATIONAL AND 9 REGIONAL MEETINGS. MORE THAN 31,000 PEOPLE COMBINED ATTENDED THE ACS NATIONAL MEETINGS. THE 9 REGIONAL MEETINGS ATTRACTED OVER 4,300 ATTENDEES COMBINED, WITH OVER 3,000 SCIENTIFIC PAPERS AND NEARLY 200 EXHIBITING COMPANIES. MEMBERSHIP CONTINUED TO EXTEND ITS MULTIMEDIA BROADCAST PROGRAM WITH 2 "PROGRAM IN A BOX" EVENTS. THESE BROADCASTS HELPED STUDENT CHAPTERS AND HIGH SCHOOL CHEMCLUBS NATIONWIDE HOST ONSITE/ONLINE EVENTS FEATURING HIGH-VALUE ONLINE CONTENT. IN 2018, THESE TWO EVENTS ATTRACTED OVER 630 ACS STUDENT CHAPTERS AND HIGH SCHOOL CHEMCLUBS TOTALING MORE THAN 15,000 PARTICIPANTS FOR THE LIVE EVENTS. THE INAUGURAL ATLANTIC BASIN CONFERENCE ON CHEMISTRY WAS HELD IN CANCUN, MEXICO. THE CONFERENCE WAS A COMBINED EFFORT OF 8 NATIONAL CHEMISTRY SOCIETIES AND BROUGHT TOGETHER OVER 220 RESEARCHERS FROM AFRICA, EUROPE, AND NORTH AND SOUTH AMERICA. THE ACS CAREER NAVIGATOR (TM) CONTINUES TO PROVIDE MEMBERS AND OTHER CHEMISTRY-RELATED PROFESSIONALS WITH A ONE-STOP-SHOP OF KEY RESOURCES TO HELP THEM SUCCEED IN THE GLOBAL CHEMISTRY ENTERPRISE WITH ALL STAGES OF THEIR CAREER. THE ACS CAREER NAVIGATOR (TM) ACHIEVED THOUSANDS OF SUBSTANTIAL INTERACTIONS WITH ACS MEMBERS AND POTENTIAL MEMBERS WORLDWIDE TO MEET THEIR PROFESSIONAL NEEDS. AS OF YEAR-END 2018, ACS HAD 521 ACTIVE STUDENT CHAPTERS. Twenty seven NEW STUDENT CHAPTERS WERE CHARTERED - 11 DOMESTIC AND 16 INTERNATIONAL. AMONG THE ACTIVE CHAPTERS, 221 CHAPTERS PARTICIPATED IN SEVEN DIFFERENT ACS GRANT PROGRAMS. For over 20 years, the ACS Green Chemistry Institute has been dedicated to catalyzing and enabling the implementation of green and sustainable chemistry and engineering throughout the global chemistry enterprise. Key activities include convening Industrial Roundtables, holding an annual Green Chemistry & Engineering conference, and coordinating efforts to advance green chemistry research and education. In 2018, the annual Green Chemistry & Engineering Conference had record-breaking attendance (580) combined with new innovative programming (Interactive Discussions, Product Showcase, workshops, etc.) and excellent keynote speakers led to a very well-received event. Registration was 19% higher than in 2017, and 92% of attendees who completed the survey were satisfied or very satisfied with the Conference.

Form 990, Part III, Line 4c:

ACS PETROLEUM RESEARCH FUND - THE ACS PETROLEUM RESEARCH FUND IS A PERMANENTLY RESTRICTED ENDOWMENT ESTABLISHED TO PROVIDE RESOURCES FOR ADVANCED SCIENTIFIC EDUCATION AND FUNDAMENTAL RESEARCH IN THE PETROLEUM FIELD, WHICH MAY INCLUDE ANY FIELD OF PURE SCIENCE WHICH AFFORDS A BASIS FOR SUBSEQUENT RESEARCH DIRECTLY CONNECTED WITH THE PETROLEUM FIELD IN 2018, THE ACS PRF FUNDED 175 GRANTS, TOTALING \$17.3 MILLION. THE GRANTS INCLUDED 70 NEW DIRECTIONS GRANTS, 69 DOCTORAL NEW INVESTIGATOR GRANTS, 15 UNDERGRADUATE RESEARCH GRANTS, AND 21 UNDERGRADUATE NEW INVESTIGATOR GRANTS. THE FOLLOWING TYPES OF GRANTS ARE AMONG THOSE FUNDED BY THE ACS PETROLEUM RESEARCH FUND: - RESEARCH GRANTS FOR FUNDAMENTAL RESEARCH IN THE PETROLEUM FIELD AT PHD-GRANTING INSTITUTIONS. RESEARCH GRANTS TO ACADEMIC INSTITUTIONS FOR REGULARLY APPOINTED FACULTY SCIENTISTS AND ENGINEERS TO ASSIST ADVANCED SCIENTIFIC EDUCATION AND FUNDAMENTAL RESEARCH. - RESEARCH GRANTS FOR FUNDAMENTAL RESEARCH IN THE PETROLEUM FIELD AT THE UNDERGRADUATE LEVEL. RESEARCH GRANTS TO ACADEMIC INSTITUTIONS ON BEHALF OF FACULTY MEMBERS IN DEPARTMENTS NOT OFFERING A DOCTORAL DEGREE, TO SUPPORT THEIR RESEARCH WITH PARTICIPATION BY UNDERGRADUATES. - RESEARCH GRANTS FOR FUNDAMENTAL RESEARCH IN THE PETROLEUM FIELD FOR NEW FACULTY. STARTER GRANTS TO ASSIST THE RESEARCH OF YOUNG FACULTY MEMBERS WITH A PHD DEGREE WHO ARE WITHIN THEIR FIRST THREE YEARS OF THEIR FIRST ACADEMIC APPOINTMENT AS REGULAR FACULTY MEMBERS OF COLLEGES AND UNIVERSITIES IN THE UNITED STATES.

| Form 990, Part VII - Compensation of Officers, Directors, Trustees, Key Employees, Highest Compensated Employees, and Independent Contractors | | | | | | | | | | |
|---|--|---|-----------------------|---------|--------------|------------------------------|--------|---|--|---|
| (A) Name and Title | (B) Average hours per week (list any hours for related organizations below dotted line) | (C) Position (do not check more than one box, unless person is both an officer and a director/trustee) | | | | | | (D) Reportable compensation from the organization (W- 2/1099-MISC) | (E) Reportable compensation from related organizations (W- 2/1099-MISC) | (F) Estimated amount of other compensation from the organization and related organizations |
| | | Individual trustee or director | Institutional Trustee | Officer | Key employee | Highest compensated employee | Former | | | |
| DR JOHN E ADAMS CHAIR & DIRECTOR, DIST V | 20 0 0 0 | X | | X | | | | 0 | 0 | 0 |
| DR LAURA E PENCE DIRECTOR, DISTRICT I | 10 0 0 0 | X | | | | | | 0 | 0 | 0 |
| DR CHRISTINA BODUROW DIRECTOR, DISTRICT II | 10 0 0 0 | X | | | | | | 0 | 0 | 0 |
| DR TERI QUINN GRAY DIRECTOR, DISTRICT III | 10 0 0 0 | X | | | | | | 0 | 0 | 0 |
| DR RIGOBERTO HERNANDEZ DIRECTOR, DISTRICT IV | 10 0 0 0 | X | | | | | | 0 | 0 | 0 |
| DR PETER K DORHOUT PRESIDENT | 20 0 0 0 | X | | X | | | | 0 | 0 | 0 |
| DR PAUL W JAGODZINSKI DIRECTOR, DISTRICT VI | 10 0 0 0 | X | | | | | | 0 | 0 | 0 |
| DR LEE H LATIMER DIRECTOR-AT-LARGE | 10 0 0 0 | X | | | | | | 0 | 0 | 0 |
| DR INGRID MONTES DIRECTOR-AT-LARGE | 10 0 0 0 | X | | | | | | 0 | 0 | 0 |
| DR DOROTHY J PHILLIPS DIRECTOR-AT-LARGE | 10 0 0 0 | X | | | | | | 0 | 0 | 0 |

| Form 990, Part VII - Compensation of Officers, Directors, Trustees, Key Employees, Highest Compensated Employees, and Independent Contractors | | | | | | | | | | |
|---|--|---|-----------------------|---------|--------------|------------------------------|--------|---|--|---|
| (A) Name and Title | (B) Average hours per week (list any hours for related organizations below dotted line) | (C) Position (do not check more than one box, unless person is both an officer and a director/trustee) | | | | | | (D) Reportable compensation from the organization (W- 2/1099-MISC) | (E) Reportable compensation from related organizations (W- 2/1099-MISC) | (F) Estimated amount of other compensation from the organization and related organizations |
| | | Individual trustee or director | Institutional Trustee | Officer | Key employee | Highest compensated employee | Former | | | |
| MR JOHN R SULLIVAN CHIEF INFORMATION OFFICER | 40 0 0 0 | | | | X | | | 496,858 | 0 | 59,035 |
| DR MATTHEW J TOUSSANT SVP PRODUCT & CONTENT OPS, CAS | 40 0 1 0 | | | | | X | | 622,560 | 0 | 46,330 |
| MR BOLLAMPALLI RAO CTO VP INFO TECH, CAS | 40 0 0 6 | | | | | X | | 507,759 | 0 | 62,893 |
| DR MICHAEL DENNIS VP,LEGAL ADM, PMO & INNVTN,CAS | 40 0 1 0 | | | | | X | | 441,067 | 0 | 55,221 |
| MR BRANDON NORDIN SVP SALES, MKTG DGT STGY, PUBS | 40 0 2 0 | | | | | X | | 419,180 | 0 | 45,478 |
| MR CRAIG STEPHENS SVP, SALES & MARKETING, CAS | 40 0 3 0 | | | | | X | | 404,359 | 0 | 56,935 |

SCHEDULE A

(Form 990 or 990EZ)

Department of the Treasury

Internal Revenue Service

Public Charity Status and Public Support

Complete if the organization is a section 501(c)(3) organization or a section 4947(a)(1) nonexempt charitable trust.

▶ Attach to Form 990 or Form 990-EZ.

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

OMB No 1545-0047

2018

Open to Public Inspection

Name of the organization

AMERICAN CHEMICAL SOCIETY

Employer identification number

53-0196572

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

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

- 1

☐

A church, convention of churches, or association of churches described in **section 170(b)(1)(A)(i).**
- 2

☐

A school described in **section 170(b)(1)(A)(ii).** (Attach Schedule E (Form 990 or 990-EZ))
- 3

☐

A hospital or a cooperative hospital service organization described in **section 170(b)(1)(A)(iii).**
- 4

☐

A medical research organization operated in conjunction with a hospital described in **section 170(b)(1)(A)(iii).** Enter the hospital's name, city, and state
- 5

☐

An organization operated for the benefit of a college or university owned or operated by a governmental unit described in **section 170(b)(1)(A)(iv).** (Complete Part II)
- 6

☐

A federal, state, or local government or governmental unit described in **section 170(b)(1)(A)(v).**
- 7

☐

An organization that normally receives a substantial part of its support from a governmental unit or from the general public described in **section 170(b)(1)(A)(vi).** (Complete Part II)
- 8

☐

A community trust described in **section 170(b)(1)(A)(vi)** (Complete Part II)
- 9

☐

An agricultural research organization described in **170(b)(1)(A)(ix)** operated in conjunction with a land-grant college or university or a non-land grant college of agriculture See instructions Enter the name, city, and state of the college or university
- 10

☒

An organization that normally receives (1) more than 33 1/3% of its support from contributions, membership fees, and gross receipts from activities related to its exempt functions—subject to certain exceptions, and (2) no more than 33 1/3% of its support from gross investment income and unrelated business taxable income (less section 511 tax) from businesses acquired by the organization after June 30, 1975 See **section 509(a)(2).** (Complete Part III)
- 11

☐

An organization organized and operated exclusively to test for public safety See **section 509(a)(4).**
- 12

☐

An organization organized and operated exclusively for the benefit of, to perform the functions of, or to carry out the purposes of one or more publicly supported organizations described in **section 509(a)(1)** or **section 509(a)(2).** See **section 509(a)(3).** Check the box in lines 12a through 12d that describes the type of supporting organization and complete lines 12e, 12f, and 12g
- a

☐

Type I. A supporting organization operated, supervised, or controlled by its supported organization(s), typically by giving the supported organization(s) the power to regularly appoint or elect a majority of the directors or trustees of the supporting organization **You must complete Part IV, Sections A and B.**
- b

☐

Type II. A supporting organization supervised or controlled in connection with its supported organization(s), by having control or management of the supporting organization vested in the same persons that control or manage the supported organization(s) **You must complete Part IV, Sections A and C.**
- c

☐

Type III functionally integrated. A supporting organization operated in connection with, and functionally integrated with, its supported organization(s) (see instructions) **You must complete Part IV, Sections A, D, and E.**
- d

☐

Type III non-functionally integrated. A supporting organization operated in connection with its supported organization(s) that is not functionally integrated The organization generally must satisfy a distribution requirement and an attentiveness requirement (see instructions) **You must complete Part IV, Sections A and D, and Part V.**
- e

☐

Check this box if the organization received a written determination from the IRS that it is a Type I, Type II, Type III functionally integrated, or Type III non-functionally integrated supporting organization
- f

Enter the number of supported organizations
- g

Provide the following information about the supported organization(s)

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

Part II

Support Schedule for Organizations Described in Sections 170(b)(1)(A)(iv), 170(b)(1)(A)(vi), and 170(b)(1)(A)(ix)
(Complete only if you checked the box on line 5, 7, 8, or 9 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) 2014 | (b) 2015 | (c) 2016 | (d) 2017 | (e) 2018 | (f) Total |
| 1 | Gifts, grants, contributions, and membership fees received (Do not include any "unusual grant ") | | | | | | |
| 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)2014 | (b)2015 | (c)2016 | (d)2017 | (e)2018 | (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 2018 (line 6, column (f) divided by line 11, column (f)) | 14 |
| 15 | Public support percentage for 2017 Schedule A, Part II, line 14 | 15 |
| 16a | 33 1/3% support test—2018. 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—2017. 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—2018. 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—2017. 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) 2014 | (b) 2015 | (c) 2016 | (d) 2017 | (e) 2018 | (f) Total |
|---|-------------|-------------|-------------|-------------|-------------|---------------|
| 1 Gifts, grants, contributions, and membership fees received (Do not include any "unusual grants.") | 4,351,829 | 5,940,876 | 3,590,485 | 4,697,411 | 3,878,073 | 22,458,674 |
| 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 | 467,818,907 | 475,742,273 | 488,139,832 | 512,273,329 | 545,383,859 | 2,489,358,200 |
| 3 Gross receipts from activities that are not an unrelated trade or business under section 513 | | | | | | 0 |
| 4 Tax revenues levied for the organization's benefit and either paid to or expended on its behalf | | | | | | 0 |
| 5 The value of services or facilities furnished by a governmental unit to the organization without charge | | | | | | 0 |
| 6 Total. Add lines 1 through 5 | 472,170,736 | 481,683,149 | 491,730,317 | 516,970,740 | 549,261,932 | 2,511,816,874 |
| 7a Amounts included on lines 1, 2, and 3 received from disqualified persons | | | | | | 0 |
| 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 | | | | | | 0 |
| c Add lines 7a and 7b | | | | | | 0 |
| 8 Public support. (Subtract line 7c from line 6.) | | | | | | 2,511,816,874 |

Section B. Total Support

| Calendar year (or fiscal year beginning in) ► | (a) 2014 | (b) 2015 | (c) 2016 | (d) 2017 | (e) 2018 | (f) Total |
|---|-------------|-------------|-------------|-------------|-------------|---------------|
| 9 Amounts from line 6 | 472,170,736 | 481,683,149 | 491,730,317 | 516,970,740 | 549,261,932 | 2,511,816,874 |
| 10a Gross income from interest, dividends, payments received on securities loans, rents, royalties and income from similar sources | 24,575,077 | 25,417,557 | 22,555,034 | 23,941,294 | 29,557,100 | 126,046,062 |
| b Unrelated business taxable income (less section 511 taxes) from businesses acquired after June 30, 1975 | | | | | | 0 |
| c Add lines 10a and 10b | 24,575,077 | 25,417,557 | 22,555,034 | 23,941,294 | 29,557,100 | 126,046,062 |
| 11 Net income from unrelated business activities not included in line 10b, whether or not the business is regularly carried on | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 Other income. Do not include gain or loss from the sale of capital assets (Explain in Part VI.) | 16,016 | 18,216 | 11,134 | 53,258 | 268,811 | 367,435 |
| 13 Total support. (Add lines 9, 10c, 11, and 12.) | 496,761,829 | 507,118,922 | 514,296,485 | 540,965,292 | 579,087,843 | 2,638,230,371 |

14 First five years. If the Form 990 is for the organization's first, second, third, fourth, or fifth tax year as a section 501(c)(3) organization, check this box and **stop here** ► ☐

Section C. Computation of Public Support Percentage

| | | |
|--|-----------|----------|
| 15 Public support percentage for 2018 (line 8, column (f) divided by line 13, column (f)) | 15 | 95.208 % |
| 16 Public support percentage from 2017 Schedule A, Part III, line 15 | 16 | 95.403 % |

Section D. Computation of Investment Income Percentage

| | | |
|--|-----------|---------|
| 17 Investment income percentage for 2018 (line 10c, column (f) divided by line 13, column (f)) | 17 | 4.778 % |
| 18 Investment income percentage from 2017 Schedule A, Part III, line 17 | 18 | 4.579 % |

19a 33 1/3% support tests—2018. 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—2017. If the organization did not check a box on line 14 or line 19a, and line 16 is more than 33 1/3% and line 18 is not more than 33 1/3%, check this box and **stop here**. The organization qualifies as a publicly supported organization ► ☐

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

Part IV Supporting Organizations

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

Section A. All Supporting Organizations

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

Part IV Supporting Organizations (continued)

| | Yes | No |
|--|------------|----|
| 11 Has the organization accepted a gift or contribution from any of the following persons? | | |
| a A person who directly or indirectly controls, either alone or together with persons described in (b) and (c) below, the governing body of a supported organization? | | |
| b A family member of a person described in (a) above? | | |
| c A 35% controlled entity of a person described in (a) or (b) above? <i>If "Yes" to a, b, or c, provide detail in Part VI</i> | | |
| | 11a | |
| | 11b | |
| | 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** ☐ The organization satisfied the Activities Test. Complete **line 2** below.
- b** ☐ The organization is the parent of each of its supported organizations. Complete **line 3** below.
- c** ☐ The organization supported a governmental entity. Describe in **Part VI** how you supported a government entity (see instructions).

2 Activities Test. Answer (a) and (b) below.

| | Yes | No |
|---|-----------|----|
| 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 | | | |
| <div>1</div> <div><input type="checkbox"/></div> <div>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.</div> | | | |
| Section A - Adjusted Net Income | | (A) Prior Year | (B) Current Year (optional) |
| 1 | Net short-term capital gain | 1 | |
| 2 | Recoveries of prior-year distributions | 2 | |
| 3 | Other gross income (see instructions) | 3 | |
| 4 | Add lines 1 through 3 | 4 | |
| 5 | Depreciation and depletion | 5 | |
| 6 | Portion of operating expenses paid or incurred for production or collection of gross income or for management, conservation, or maintenance of property held for production of income (see instructions) | 6 | |
| 7 | Other expenses (see instructions) | 7 | |
| 8 | Adjusted Net Income (subtract lines 5, 6 and 7 from line 4) | 8 | |
| Section B - Minimum Asset Amount | | (A) Prior Year | (B) Current Year (optional) |
| 1 | Aggregate fair market value of all non-exempt-use assets (see instructions for short tax year or assets held for part of year) | 1 | |
| a | Average monthly value of securities | 1a | |
| b | Average monthly cash balances | 1b | |
| c | Fair market value of other non-exempt-use assets | 1c | |
| d | Total (add lines 1a, 1b, and 1c) | 1d | |
| e | Discount claimed for blockage or other factors (explain in detail in Part VI) | | |
| 2 | Acquisition indebtedness applicable to non-exempt use assets | 2 | |
| 3 | Subtract line 2 from line 1d | 3 | |
| 4 | Cash deemed held for exempt use. Enter 1-1/2% of line 3 (for greater amount, see instructions) | 4 | |
| 5 | Net value of non-exempt-use assets (subtract line 4 from line 3) | 5 | |
| 6 | Multiply line 5 by .035 | 6 | |
| 7 | Recoveries of prior-year distributions | 7 | |
| 8 | Minimum Asset Amount (add line 7 to line 6) | 8 | |
| Section C - Distributable Amount | | | Current Year |
| 1 | Adjusted net income for prior year (from Section A, line 8, Column A) | 1 | |
| 2 | Enter 85% of line 1 | 2 | |
| 3 | Minimum asset amount for prior year (from Section B, line 8, Column A) | 3 | |
| 4 | Enter greater of line 2 or line 3 | 4 | |
| 5 | Income tax imposed in prior year | 5 | |
| 6 | Distributable Amount. Subtract line 5 from line 4, unless subject to emergency temporary reduction (see instructions) | 6 | |
| 7 | <div><input type="checkbox"/></div> 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 2018 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-2018 | (iii) Distributable Amount for 2018 |
|---|-----------------------------|--|---|
| 1 Distributable amount for 2018 from Section C, line 6 | | | |
| 2 Underdistributions, if any, for years prior to 2018 (reasonable cause required-- explain in Part VI) See instructions | | | |
| 3 Excess distributions carryover, if any, to 2018 | | | |
| a From 2013. | | | |
| b From 2014. | | | |
| c From 2015. | | | |
| d From 2016. | | | |
| e From 2017. | | | |
| f Total of lines 3a through e | | | |
| g Applied to underdistributions of prior years | | | |
| h Applied to 2018 distributable amount | | | |
| i Carryover from 2013 not applied (see instructions) | | | |
| j Remainder Subtract lines 3g, 3h, and 3i from 3f | | | |
| 4 Distributions for 2018 from Section D, line 7 \$ | | | |
| a Applied to underdistributions of prior years | | | |
| b Applied to 2018 distributable amount | | | |
| c Remainder Subtract lines 4a and 4b from 4 | | | |
| 5 Remaining underdistributions for years prior to 2018, if any Subtract lines 3g and 4a from line 2 If the amount is greater than zero, explain in Part VI See instructions | | | |
| 6 Remaining underdistributions for 2018 Subtract lines 3h and 4b from line 1 If the amount is greater than zero, explain in Part VI See instructions | | | |
| 7 Excess distributions carryover to 2019. Add lines 3j and 4c | | | |
| 8 Breakdown of line 7 | | | |
| a Excess from 2014. | | | |
| b Excess from 2015. | | | |
| c Excess from 2016. | | | |
| d Excess from 2017. | | | |
| e Excess from 2018. | | | |

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

| Facts And Circumstances Test |
|------------------------------|
| |

990 Schedule A, Supplemental Information

| Return Reference | Explanation |
|----------------------------------|---|
| PART III, LINE 12 - OTHER INCOME | OTHER INCOME WAS PRIMARILY FROM BANK FEE REBATES AND THE SALES OF PRINTED MATERIALS |

SCHEDULE C
(Form 990 or 990-EZ)

Department of the Treasury
Internal Revenue Service

Political Campaign and Lobbying Activities

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

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

OMB No 1545-0047

2018

Open to Public Inspection

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

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

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

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

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

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

| | |
|---|---|
| Name of the organization AMERICAN CHEMICAL SOCIETY | Employer identification number 53-0196572 |
|---|---|

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

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

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

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

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

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

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

Part II-A Complete if the organization is exempt under section 501(c)(3) and filed Form 5768 (election under section 501(h)).**A** Check ☐ if the filing organization belongs to an affiliated group (and list in Part IV each affiliated group member's name, address, EIN, expenses, and share of excess lobbying expenditures)**B** Check ☐ if the filing organization checked box A and "limited control" provisions apply

| Limits on Lobbying Expenditures (The term "expenditures" means amounts paid or incurred.) | (a) Filing organization's totals | (b) Affiliated group totals | | | | | | | | | | | | |
|--|--|------------------------------------|--------------------|------------------------------|---|---|---|---|--|--|-------------------|-------------|--|--|
| 1a Total lobbying expenditures to influence public opinion (grass roots lobbying) | | | | | | | | | | | | | | |
| b Total lobbying expenditures to influence a legislative body (direct lobbying) | 366,917 | | | | | | | | | | | | | |
| c Total lobbying expenditures (add lines 1a and 1b) | 366,917 | | | | | | | | | | | | | |
| d Other exempt purpose expenditures | 556,001,796 | | | | | | | | | | | | | |
| e Total exempt purpose expenditures (add lines 1c and 1d) | 556,368,713 | | | | | | | | | | | | | |
| f Lobbying nontaxable amount Enter the amount from the following table in both columns | 1,000,000 | | | | | | | | | | | | | |
| <table><thead><tr><th>If the amount on line 1e, column (a) or (b) is:</th><th>The lobbying nontaxable amount is:</th></tr></thead><tbody><tr><td>Not over \$500,000</td><td>20% of the amount on line 1e</td></tr><tr><td>Over \$500,000 but not over \$1,000,000</td><td>\$100,000 plus 15% of the excess over \$500,000</td></tr><tr><td>Over \$1,000,000 but not over \$1,500,000</td><td>\$175,000 plus 10% of the excess over \$1,000,000</td></tr><tr><td>Over \$1,500,000 but not over \$17,000,000</td><td>\$225,000 plus 5% of the excess over \$1,500,000</td></tr><tr><td>Over \$17,000,000</td><td>\$1,000,000</td></tr></tbody></table> | If the amount on line 1e, column (a) or (b) is: | The lobbying nontaxable amount is: | Not over \$500,000 | 20% of the amount on line 1e | Over \$500,000 but not over \$1,000,000 | \$100,000 plus 15% of the excess over \$500,000 | Over \$1,000,000 but not over \$1,500,000 | \$175,000 plus 10% of the excess over \$1,000,000 | Over \$1,500,000 but not over \$17,000,000 | \$225,000 plus 5% of the excess over \$1,500,000 | Over \$17,000,000 | \$1,000,000 | | |
| If the amount on line 1e, column (a) or (b) is: | The lobbying nontaxable amount is: | | | | | | | | | | | | | |
| Not over \$500,000 | 20% of the amount on line 1e | | | | | | | | | | | | | |
| Over \$500,000 but not over \$1,000,000 | \$100,000 plus 15% of the excess over \$500,000 | | | | | | | | | | | | | |
| Over \$1,000,000 but not over \$1,500,000 | \$175,000 plus 10% of the excess over \$1,000,000 | | | | | | | | | | | | | |
| Over \$1,500,000 but not over \$17,000,000 | \$225,000 plus 5% of the excess over \$1,500,000 | | | | | | | | | | | | | |
| Over \$17,000,000 | \$1,000,000 | | | | | | | | | | | | | |
| g Grassroots nontaxable amount (enter 25% of line 1f) | 250,000 | | | | | | | | | | | | | |
| h Subtract line 1g from line 1a If zero or less, enter -0- | | | | | | | | | | | | | | |
| i Subtract line 1f from line 1c If zero or less, enter -0- | | | | | | | | | | | | | | |
| j If there is an amount other than zero on either line 1h or line 1i, did the organization file Form 4720 reporting section 4911 tax for this year? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | | | | | | | | |

4-Year Averaging Period Under section 501(h)
(Some organizations that made a section 501(h) election do not have to complete all of the five columns below. See the separate instructions for lines 2a through 2f.)

| Lobbying Expenditures During 4-Year Averaging Period | | | | | |
|--|-----------|-----------|-----------|-----------|-----------|
| Calendar year (or fiscal year beginning in) | (a) 2015 | (b) 2016 | (c) 2017 | (d) 2018 | (e) Total |
| 2a Lobbying nontaxable amount | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | 4,000,000 |
| b Lobbying ceiling amount (150% of line 2a, column(e)) | | | | | 6,000,000 |
| c Total lobbying expenditures | 365,278 | 355,518 | 355,929 | 366,917 | 1,443,642 |
| d Grassroots nontaxable amount | 250,000 | 250,000 | 250,000 | 250,000 | 1,000,000 |
| e Grassroots ceiling amount (150% of line 2d, column (e)) | | | | | 1,500,000 |
| f Grassroots lobbying expenditures | | | | | |

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

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

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

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

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

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

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

Part IV Supplemental Information

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

| Return Reference | Explanation |
|------------------|-------------|
|------------------|-------------|

efile GRAPHIC print - DO NOT PROCESS

As Filed Data -

DLN: 93493308009679

SCHEDULE D
(Form 990)

Supplemental Financial Statements

OMB No 1545-0047

2018

Open to Public Inspection

Department of the Treasury
Internal Revenue Service

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

Name of the organization
AMERICAN CHEMICAL SOCIETY

Employer identification number
53-0196572

Part I

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

1

Total number at end of year

2

Aggregate value of contributions to (during year)

3

Aggregate value of grants from (during year)

4

Aggregate value at end of year

5

Did the organization inform all donors and donor advisors in writing that the assets held in donor advised funds are the organization's property, subject to the organization's exclusive legal control?

☐ Yes

☐ No

6

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

☐ Yes

☐ No

Part II

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

1

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

☐ Preservation of land for public use (e g , recreation or education)

☐ Preservation of an historically important land area

☐ Protection of natural habitat

☐ Preservation of a certified historic structure

☐ Preservation of open space

2

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

Held at the End of the Year

2a

2b

2c

2d

3

Number of conservation easements on a certified historic structure included in (a)

4

Number of conservation easements included in (c) acquired after 7/25/06, and not on a historic structure listed in the National Register

5

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

6

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

7

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

☐ Yes

☐ No

8

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

9

Amount of expenses incurred in monitoring, inspecting, handling of violations, and enforcing conservation easements during the year ► \$

10

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

☐ Yes

☐ No

11

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

Part III

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

1a

If the organization elected, as permitted under SFAS 116 (ASC 958), not to report in its revenue statement and balance sheet works of art, historical treasures, or other similar assets held for public exhibition, education, or research in furtherance of public service, provide, in Part XIII, the text of the footnote to its financial statements that describes these items

1b

If the organization elected, as permitted under SFAS 116 (ASC 958), to report in its revenue statement and balance sheet works of art, historical treasures, or other similar assets held for public exhibition, education, or research in furtherance of public service, provide the following amounts relating to these items

(i)

Revenue included on Form 990, Part VIII, line 1

► \$

(ii)

Assets included in Form 990, Part X

► \$

2

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

a

Revenue included on Form 990, Part VIII, line 1

► \$

b

Assets included in Form 990, Part X

► \$

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

Cat No 52283D

Schedule D (Form 990) 2018

Part III

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

3

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

a

☐ Public exhibition

b

☐ Scholarly research

c

☐ Preservation for future generations

d

☐ Loan or exchange programs

e

☐ Other

4

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

5

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

☐ Yes

☐ No

Part IV

Escrow and Custodial Arrangements.

Complete if the organization answered "Yes" on Form 990, Part IV, line 9, or reported an amount on Form 990, Part X, line 21.

1a

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

☐ Yes

☐ No

b

If "Yes," explain the arrangement in Part XIII and complete the following table

c

Beginning balance

d

Additions during the year

e

Distributions during the year

f

Ending balance

| | Amount |
|----|--------|
| 1c | |
| 1d | |
| 1e | |
| 1f | |

2a

Did the organization include an amount on Form 990, Part X, line 21, for escrow or custodial account liability?

☐ Yes

☐ No

b

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

☐

Part V

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

| | (a)Current year | (b)Prior year | (c)Two years back | (d)Three years back | (e)Four years back |
|--|-----------------|---------------|-------------------|---------------------|--------------------|
| 1a Beginning of year balance | 690,394,569 | 625,265,990 | 630,223,333 | 651,454,497 | 640,155,256 |
| b Contributions | 1,608,157 | 942,551 | 380,340 | 1,879,155 | 1,225,506 |
| c Net investment earnings, gains, and losses | -31,040,974 | 90,919,491 | 24,176,422 | 2,181,537 | 37,151,525 |
| d Grants or scholarships | 21,475,590 | 21,130,142 | 24,094,493 | 23,377,387 | 25,367,206 |
| e Other expenditures for facilities and programs | 611,378 | 3,792,321 | 3,642,612 | 33,469 | 44,584 |
| f Administrative expenses | 1,916,156 | 1,811,000 | 1,777,000 | 1,881,000 | 1,666,000 |
| g End of year balance | 636,958,628 | 690,394,569 | 625,265,990 | 630,223,333 | 651,454,497 |

2

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

a

Board designated or quasi-endowment

0 160 %

b

Permanent endowment

22 270 %

c

Temporarily restricted endowment

77 570 %

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

b

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

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

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 | | 2,930,220 | | 2,930,220 |
| b Buildings | | 114,444,718 | 80,917,281 | 33,527,437 |
| c Leasehold improvements | | | | |
| d Equipment | | 13,597,920 | 8,791,123 | 4,806,797 |
| e Other | | 238,069,177 | 153,859,744 | 84,209,433 |
| Total. Add lines 1a through 1e (Column (d) must equal Form 990, Part X, column (B), line 10(c)) | | | | 125,473,887 |

Schedule D (Form 990) 2018

Part VII

Investments—Other Securities.

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

| (a) Description of security or category (including name of security) | (b) Book value | (c) Method of valuation Cost or end-of-year market value |
|---|----------------|---|
| (1) Financial derivatives | | |
| (2) Closely-held equity interests | 5,142,382 | C |
| (3) Other _____ (A) HEDGE FUNDS | 93,550,000 | F |
| (B) | | |
| (C) | | |
| (D) | | |
| (E) | | |
| (F) | | |
| (G) | | |
| (H) | | |
| Total. (Column (b) must equal Form 990, Part X, col (B) line 12) ▶ | 98,692,382 | |

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 |
| UNDERFUNDED PENSION LIABILITY | 77,393,183 |
| ACCRUED RETIREE MEDICAL BENEFIT | 44,499,282 |
| 457(B) LIABILITY | 9,616,630 |
| ASSET RETIREMENT OBLIGATION | 4,131,455 |
| ACCRUED POST EMPLOYMENT BENEFIT | 1,286,173 |
| ACCRUED GIFT ANNUITY LIABILITY | 86,481 |
| (7) | |
| (8) | |
| (9) | |
| Total. (Column (b) must equal Form 990, Part X, col (B) line 25) ▶ | 137,013,204 |

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 | |
| 2 | Amounts included on line 1 but not on Form 990, Part VIII, line 12 | | | |
| a | Net unrealized gains (losses) on investments | 2a | | |
| b | Donated services and use of facilities | 2b | | |
| c | Recoveries of prior year grants | 2c | | |
| d | Other (Describe in Part XIII) | 2d | | |
| e | Add lines 2a through 2d | | 2e | |
| 3 | Subtract line 2e from line 1 | | 3 | |
| 4 | Amounts included on Form 990, Part VIII, line 12, but not on line 1 | | | |
| a | Investment expenses not included on Form 990, Part VIII, line 7b | 4a | | |
| b | Other (Describe in Part XIII) | 4b | | |
| c | Add lines 4a and 4b | | 4c | |
| 5 | Total revenue. Add lines 3 and 4c . (This must equal Form 990, Part I, line 12) | | 5 | |

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 | |
| 2 | Amounts included on line 1 but not on Form 990, Part IX, line 25 | | | |
| a | Donated services and use of facilities | 2a | | |
| b | Prior year adjustments | 2b | | |
| c | Other losses | 2c | | |
| d | Other (Describe in Part XIII) | 2d | | |
| e | Add lines 2a through 2d | | 2e | |
| 3 | Subtract line 2e from line 1 | | 3 | |
| 4 | Amounts included on Form 990, Part IX, line 25, but not on line 1 : | | | |
| a | Investment expenses not included on Form 990, Part VIII, line 7b | 4a | | |
| b | Other (Describe in Part XIII) | 4b | | |
| c | Add lines 4a and 4b | | 4c | |
| 5 | Total expenses. Add lines 3 and 4c . (This must equal Form 990, Part I, line 18) | | 5 | |

Part XIII Supplemental Information

Provide the descriptions required for Part II, lines 3, 5, and 9, Part III, lines 1a and 4, Part IV, lines 1b and 2b, Part V, line 4, Part X, line 2, Part XI, lines 2d and 4b, and Part XII, lines 2d and 4b. Also complete this part to provide any additional information.

| Return Reference | Explanation |
|---------------------------|-------------|
| See Additional Data Table | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

Part XIII **Supplemental Information** *(continued)*

| Return Reference | Explanation |
|------------------|-------------|
| | |
| | |
| | |
| | |
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| | |
| | |
| | |
| | |

Additional Data

Software ID:
Software Version:
EIN: 53-0196572
Name: AMERICAN CHEMICAL SOCIETY

Supplemental Information

| Return Reference | Explanation |
|------------------|---|
| PART V, LINE 4 | DESCRIBE THE INTENDED USES OF THE ORGANIZATION'S ENDOWMENT FUNDS THE SOCIETY'S ENDOWMENTS WERE CREATED TO ENCOURAGE THE ADVANCEMENT OF CHEMISTRY IN ALL ITS BRANCHES, PROMOTE RESEARCH IN CHEMICAL SCIENCE AND INDUSTRY, AND IMPROVE THE QUALIFICATION AND USEFULNESS OF CHEMISTS OVER \$21,000,000 WAS AWARDED IN 2018 TO SUPPORT INNOVATIVE AND FUNDAMENTAL CHEMICAL RESEARCH, PROVIDE UNDERGRADUATE SCHOLARSHIPS, PROVIDE POST-DOCTORAL FELLOWSHIPS, SUPPORT SPECIAL EDUCATIONAL OPPORTUNITIES AT THE HIGH SCHOOL LEVEL, AND RECOGNIZE, ENCOURAGE, AND STIMULATE OUTSTANDING RESEARCH ACHIEVEMENTS THROUGHOUT THE MULTI-DISCIPLINARY BRANCHES OF CHEMISTRY |

Supplemental Information

| Return Reference | Explanation |
|------------------|---|
| PART X, LINE 2 | <p>FOOTNOTE TO THE ORGANIZATION'S FINANCIAL STATEMENTS THAT REPORTS THE ORGANIZATION'S LIABILITY FOR UNCERTAIN TAX POSITIONS UNDER FIN 48 (ASC 740) THE SOCIETY IS GENERALLY EXEMPT FROM FEDERAL INCOME TAXES UNDER INTERNAL REVENUE CODE SECTION 501(C)(3) HOWEVER, THE SOCIETY IS SUBJECT TO TAXATION ON ANY NET UNRELATED BUSINESS INCOME AT DECEMBER 31, 2018, THE SOCIETY HAD A NET OPERATING LOSS CARRYFORWARD FOR INCOME TAX PURPOSES OF APPROXIMATELY \$23,105,000, WHICH EXPIRES OVER THE YEARS 2019 THROUGH 2038 A DEFERRED TAX ASSET HAS NOT BEEN RECORDED FOR THE NET OPERATING LOSS BECAUSE THE SOCIETY HAS DETERMINED AS OF DECEMBER 31, 2018, IT IS NOT RECOVERABLE MANAGEMENT ANNUALLY REVIEWS ITS TAX POSITIONS AND HAS DETERMINED THAT THERE ARE NO MATERIAL UNCERTAIN TAX POSITIONS THAT REQUIRE RECOGNITION IN THE CONSOLIDATED FINANCIAL STATEMENTS PUBLIC LAW NO 115-97, THE TAX CUTS AND JOBS ACT (THE ACT), WAS ENACTED DECEMBER 22, 2017, WITH MOST PROVISIONS EFFECTIVE JANUARY 1, 2018 THE ACT AMENDS THE INTERNAL REVENUE CODE AND INCLUDES SEVERAL CHANGES RELEVANT TO TAX EXEMPT ORGANIZATIONS, PRIMARILY TO UNRELATED BUSINESS INCOME, NET OPERATING LOSSES, CERTAIN NEW EXCISE TAXES, AND CHANGES AFFECTING THE DEDUCTIBILITY OF CERTAIN EXPENSES THE IMPACT OF THE ACT IS NOT MATERIAL TO OPERATIONS</p> |

**SCHEDULE F
(Form 990)**

Department of the Treasury
Internal Revenue Service

Name of the organization
AMERICAN CHEMICAL SOCIETY

Statement of Activities Outside the United States

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

OMB No 1545-0047

2018

**Open to Public
Inspection**

Employer identification number

53-0196572

Part I **General Information on Activities Outside the United States.** Complete if the organization answered "Yes" to 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 region | (d) Activities conducted in region (by type) (e g , 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 region | (f) Total expenditures for and investments in region |
|---|-------------------------------------|--|---|--|--|
| See Add'l Data | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| 3a Sub-total | | 517 | | | 54,314,674 |
| b Total from continuation sheets to Part I | | | | | |
| c Totals (add lines 3a and 3b) | | 517 | | | 54,314,674 |

Part II **Grants and Other Assistance to Organizations or Entities Outside the United States.** Complete if the organization answered "Yes" to 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.

[illegible]

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 9

| | | |
|---|---|---|
| 3 | Enter total number of other organizations or entities | 3 |
|---|---|---|

| | |
|-----------------|---|
| Part III | Grants and Other Assistance to Individuals Outside the United States. Complete if the organization answered "Yes" to Form 990, Part IV, line 16. |
|-----------------|---|

Part III can be duplicated if additional space is needed.

[illegible]

Part IV Foreign Forms

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

Part V Supplemental Information

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

990 Schedule F, Supplemental Information

| Return Reference | Explanation |
|------------------|---|
| PART I, LINE 2 | DESCRIPTION OF THE ORGANIZATION'S PROCEDURES FOR MONITORING THE USE OF GRANT FUNDS OUTSIDE THE UNITED STATES THE AMERICAN CHEMICAL SOCIETY (ACS) REGULARLY MONITORS ITS GRANTS TO ENSURE THAT THEY ARE USED FOR PROPER PURPOSES AND ARE NOT DIVERTED FROM THEIR INTENDED USES THESE MONITORING PROCEDURES INCLUDE RECEIPT OF PERIODIC AND ANNUAL REPORTS OF EXPENDITURES AND BUDGETS, RESEARCH MILESTONES/SIGNIFICANT OUTCOMES, SUMMARY AND TECHNICAL PROGRESS REPORTS, AND RELEVANT PUBLICATIONS/PRESENTATIONS ACS REVIEWS ALL REPORTS SUBMITTED TO ENSURE COMPLIANCE WITH GRANT BUDGETS, ACS POLICIES, AND LEGAL REQUIREMENTS |

990 Schedule F, Supplemental Information

| Return Reference | Explanation |
|---|---|
| PART I, LINE 3, COLUMN (F), PART II, LINE 1, AND PART III | DESCRIPTION OF THE METHOD USED TO ACCOUNT FOR EXPENDITURES REPORTED ON PART I, LINE 3, COLUMN (F), AND CASH GRANTS AND NON-CASH ASSISTANCE REPORTED ON PART II, LINE 1, AND PART III THE AMERICAN CHEMICAL SOCIETY PREPARES ITS FINANCIAL STATEMENTS IN CONFORMITY WITH ACCOUNTING PRINCIPLES GENERALLY ACCEPTED IN THE UNITED STATES OF AMERICA AND USES THE ACCRUAL METHOD OF ACCOUNTING EXPENDITURES REPORTED ON PART I, LINE 3, COLUMN (F), AND CASH GRANTS REPORTED ON PART II, LINE 1, AND PART III ARE BASED ON THE ACCRUAL METHOD OF ACCOUNTING |

Additional Data

Software ID:
Software Version:
EIN: 53-0196572
Name: AMERICAN CHEMICAL SOCIETY

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

| (a) Region | (b) Number of offices in the region | (c) Number of employees or agents in region | (d) Activities conducted in region (by type) (i.e., fundraising, program services, grants to recipients located in the region) | (e) If activity listed in (d) is a program service, describe specific type of service(s) in region | (f) Total expenditures for region |
|-----------------------------------|-------------------------------------|---|--|--|-----------------------------------|
| Central America and the Caribbean | | 2 | Program Services | INFO/MEMBERSHIP SVCS | 22,067 |
| East Asia and the Pacific | | 171 | Program Services | INFO/MEMBERSHIP SVCS | 15,632,231 |

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

| (a) Region | (b) Number of offices in the region | (c) Number of employees or agents in region | (d) Activities conducted in region (by type) (i e , fundraising, program services, grants to recipients located in the region) | (e) If activity listed in (d) is a program service, describe specific type of service(s) in region | (f) Total expenditures for region |
|--|-------------------------------------|---|--|--|-----------------------------------|
| Europe (Including Iceland and Greenland) | | 222 | Program Services | INFO/MEMBERSHIP SVCS | 11,743,017 |
| Middle East and North Africa | | 10 | Program Services | INFO/MEMBERSHIP SVCS | 757,488 |

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

| (a) Region | (b) Number of offices in the region | (c) Number of employees or agents in region | (d) Activities conducted in region (by type) (i e , fundraising, program services, grants to recipients located in the region) | (e) If activity listed in (d) is a program service, describe specific type of service(s) in region | (f) Total expenditures for region |
|---------------|-------------------------------------|---|--|--|-----------------------------------|
| North America | | 60 | Program Services | INFO/MEMBERSHIP SVCS | 1,889,601 |
| South America | | 18 | Program Services | INFO/MEMBERSHIP SVCS | 217,335 |

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

| (a) Region | (b) Number of offices in the region | (c) Number of employees or agents in region | (d) Activities conducted in region (by type) (i e , fundraising, program services, grants to recipients located in the region) | (e) If activity listed in (d) is a program service, describe specific type of service(s) in region | (f) Total expenditures for region |
|-----------------------------------|-------------------------------------|---|--|--|-----------------------------------|
| South Asia | | 34 | Program Services | INFO/MEMBERSHIP SVCS | 22,784,932 |
| Central America and the Caribbean | | | Grantmaking | | 8,602 |

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

| (a) Region | (b) Number of offices in the region | (c) Number of employees or agents in region | (d) Activities conducted in region (by type) (i e , fundraising, program services, grants to recipients located in the region) | (e) If activity listed in (d) is a program service, describe specific type of service(s) in region | (f) Total expenditures for region |
|--|-------------------------------------|---|--|--|-----------------------------------|
| East Asia and the Pacific | | | Grantmaking | | 170,166 |
| Europe (Including Iceland and Greenland) | | | Grantmaking | | 639,773 |

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

| (a) Region | (b) Number of offices in the region | (c) Number of employees or agents in region | (d) Activities conducted in region (by type) (i e , fundraising, program services, grants to recipients located in the region) | (e) If activity listed in (d) is a program service, describe specific type of service(s) in region | (f) Total expenditures for region |
|------------------------------|-------------------------------------|---|--|--|-----------------------------------|
| Middle East and North Africa | | | Grantmaking | | 20,428 |
| North America | | | Grantmaking | | 362,128 |

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

| (a) Region | (b) Number of offices in the region | (c) Number of employees or agents in region | (d) Activities conducted in region (by type) (i.e., fundraising, program services, grants to recipients located in the region) | (e) If activity listed in (d) is a program service, describe specific type of service(s) in region | (f) Total expenditures for region |
|---|-------------------------------------|---|--|--|-----------------------------------|
| Russia and the Newly Independent States | | | Grantmaking | | 1,473 |
| South America | | | Grantmaking | | 39,198 |

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

| (a) Region | (b) Number of offices in the region | (c) Number of employees or agents in region | (d) Activities conducted in region (by type) (i e , fundraising, program services, grants to recipients located in the region) | (e) If activity listed in (d) is a program service, describe specific type of service(s) in region | (f) Total expenditures for region |
|--------------------|-------------------------------------|---|--|--|-----------------------------------|
| South Asia | | | Grantmaking | | 13,885 |
| Sub-Saharan Africa | | | Grantmaking | | 12,350 |

Form 990 Schedule F Part II - Grants or Entities Outside The United States

| (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 non-cash assistance | (h) Description of non-cash assistance | (i) Method of valuation (book, FMV, appraisal, other) |
|--------------------------|---|-----------------------------------|----------------------|--------------------------|---------------------------------|-----------------------------------|--|---|
| | | Central America and the Caribbean | GENERAL SUPPORT | 5,750 | CHECK | | N/A | N/A |
| | | East Asia and the Pacific | GENERAL SUPPORT | 40,000 | CHECK | | N/A | N/A |

| Form 990 Schedule F Part II - Grants or Entities Outside The United States | | | | | | | | |
|--|---|---------------------------|----------------------|--------------------------|---------------------------------|-----------------------------------|--|---|
| (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 non-cash assistance | (h) Description of non-cash assistance | (i) Method of valuation (book, FMV, appraisal, other) |
| | | East Asia and the Pacific | GENERAL SUPPORT | 9,800 | CHECK | | N/A | N/A |
| | | East Asia and the Pacific | GENERAL SUPPORT | 40,000 | CHECK | | N/A | N/A |

Form 990 Schedule F Part II - Grants or Entities Outside The United States

| (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 non-cash assistance | (h) Description of non-cash assistance | (i) Method of valuation (book, FMV, appraisal, other) |
|--------------------------|---|--|----------------------|--------------------------|---------------------------------|-----------------------------------|--|---|
| | | Europe (Including Iceland and Greenland) | GENERAL SUPPORT | 20,000 | CHECK | | N/A | N/A |
| | | Europe (Including Iceland and Greenland) | GENERAL SUPPORT | 150,000 | CHECK | | N/A | N/A |

Form 990 Schedule F Part II - Grants or Entities Outside The United States

| (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 non-cash assistance | (h) Description of non-cash assistance | (i) Method of valuation (book, FMV, appraisal, other) |
|--------------------------|---|--|----------------------|--------------------------|---------------------------------|-----------------------------------|--|---|
| | | Europe (Including Iceland and Greenland) | GENERAL SUPPORT | 110,000 | CHECK | | N/A | N/A |
| | | Europe (Including Iceland and Greenland) | GENERAL SUPPORT | 220,000 | CHECK | | N/A | N/A |

| Form 990 Schedule F Part II - Grants or Entities Outside The United States | | | | | | | | |
|--|---|---------------|----------------------|--------------------------|---------------------------------|-----------------------------------|--|---|
| (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 non-cash assistance | (h) Description of non-cash assistance | (i) Method of valuation (book, FMV, appraisal, other) |
| | | North America | GENERAL SUPPORT | 110,000 | CHECK | | N/A | N/A |
| | | North America | GENERAL SUPPORT | 110,000 | CHECK | | N/A | N/A |

| Form 990 Schedule F Part II - Grants or Entities Outside The United States | | | | | | | | |
|--|---|--------------------|----------------------|--------------------------|---------------------------------|-----------------------------------|--|---|
| (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 non-cash assistance | (h) Description of non-cash assistance | (i) Method of valuation (book, FMV, appraisal, other) |
| | | North America | GENERAL SUPPORT | 110,000 | CHECK | | N/A | N/A |
| | | Sub-Saharan Africa | GENERAL SUPPORT | 6,500 | CHECK | | N/A | N/A |

Form 990 Schedule F Part III - Grants and Assistance to Individuals Outside The U S

| (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 non-cash assistance | (g) Description of non-cash assistance | (h) Method of valuation (book, FMV, appraisal, other) |
|---------------------------------|-----------------------------------|--------------------------|--------------------------|---------------------------------|-----------------------------------|--|---|
| AWARDS | Central America and the Caribbean | 1 | 2,852 | CHECK | | N/A | N/A |
| AWARDS | East Asia and the Pacific | 22 | 80,366 | CHECK | | N/A | N/A |

| Form 990 Schedule F Part III - Grants and Assistance to Individuals Outside The U S | | | | | | | |
|---|---|--------------------------|--------------------------|---------------------------------|-----------------------------------|--|---|
| (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 non-cash assistance | (g) Description of non-cash assistance | (h) Method of valuation (book, FMV, appraisal, other) |
| AWARDS | Europe (Including Iceland and Greenland) | 31 | 139,773 | CHECK | | N/A | N/A |
| AWARDS | Middle East and North Africa | 8 | 20,428 | CHECK | | N/A | N/A |

Form 990 Schedule F Part III - Grants and Assistance to Individuals Outside The U S

| (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 non-cash assistance | (g) Description of non-cash assistance | (h) Method of valuation (book, FMV, appraisal, other) |
|---------------------------------|---|--------------------------|--------------------------|---------------------------------|-----------------------------------|--|---|
| AWARDS | North America | 27 | 32,128 | CHECK | | N/A | N/A |
| AWARDS | Russia and the Newly Independent States | 3 | 1,473 | CHECK | | N/A | N/A |

| Form 990 Schedule F Part III - Grants and Assistance to Individuals Outside The U S | | | | | | | |
|---|---------------|-------------------------|--------------------------|---------------------------------|-----------------------------------|--|---|
| (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 non-cash assistance | (g) Description of non-cash assistance | (h) Method of valuation (book, FMV, appraisal, other) |
| AWARDS | South America | 25 | 39,198 | CHECK | | N/A | N/A |
| AWARDS | South Asia | 16 | 13,885 | CHECK | | N/A | N/A |

| Form 990 Schedule F Part III - Grants and Assistance to Individuals Outside The U S | | | | | | | |
|---|--------------------|--------------------------|--------------------------|---------------------------------|-----------------------------------|--|---|
| (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 non-cash assistance | (g) Description of non-cash assistance | (h) Method of valuation (book, FMV, appraisal, other) |
| AWARDS | Sub-Saharan Africa | 4 | 5,850 | CHECK | | N/A | N/A |

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

Schedule I
(Form 990)

Department of the
Treasury
Internal Revenue Service

Name of the organization
AMERICAN CHEMICAL SOCIETY

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

Complete if the organization answered "Yes," on Form 990, Part IV, line 21 or 22.
▶ Attach to Form 990.
▶ Go to www.irs.gov/Form990 for the latest information.

OMB No 1545-0047

2018

Open to Public
Inspection

Employer identification number
53-0196572

Part I

General Information on Grants and Assistance

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

Part II

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

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

2 Enter total number of section 501(c)(3) and government organizations listed in the line 1 table 240

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

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) FELLOWSHIPS | 339 | 568,332 | | N/A | N/A |
| (2) AWARDS | 234 | 354,505 | | N/A | N/A |
| (2) | | | | | |
| (3) | | | | | |
| (4) | | | | | |
| (5) | | | | | |
| (6) | | | | | |
| (7) | | | | | |

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

| Return Reference | Explanation |
|------------------|--|
| PART I, LINE 2 | DESCRIPTION OF THE ORGANIZATION'S PROCEDURES FOR MONITORING THE USE OF GRANT FUNDS IN THE UNITED STATES THE AMERICAN CHEMICAL SOCIETY (ACS) REGULARLY MONITORS ITS GRANTS TO ENSURE THAT THEY ARE USED FOR PROPER PURPOSES AND ARE NOT DIVERTED FROM THEIR INTENDED USES THESE MONITORING PROCEDURES INCLUDE RECEIPT OF PERIODIC AND ANNUAL REPORTS OF EXPENDITURES AND BUDGETS, RESEARCH MILESTONES/SIGNIFICANT OUTCOMES, SUMMARY AND TECHNICAL PROGRESS REPORTS, AND RELEVANT PUBLICATIONS/PRESENTATIONS ACS REVIEWS ALL REPORTS SUBMITTED TO ENSURE COMPLIANCE WITH GRANT BUDGETS, ACS POLICIES, AND LEGAL REQUIREMENTS |

Additional Data

Software ID:
Software Version:
EIN: 53-0196572
Name: AMERICAN CHEMICAL SOCIETY

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

| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
|---|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| PENNSYLVANIA STATE UNIVERSITY 227 W BEAVER AVE UNIVERSITY PARK, PA 168014819 | 24-6000376 | PA State | 468,300 | | N/A | N/A | GENERAL SUPPORT |
| UNIV OF TEXAS SOUTHWESTERN MEDICAL CTR PO BOX 841753 DALLAS, TX 752841753 | 75-6002868 | TX State | 410,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| PRINCETON UNIVERSITY PO BOX 591 PRINCETON, NJ 085440036 | 21-0634501 | 501(c)(3) | 382,450 | | N/A | N/A | GENERAL SUPPORT |
| WAYNE STATE UNIVERSITY 5101 CASS AVE DETROIT, MI 48202 | 38-6028429 | 501(c)(3) | 380,300 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| BOSTON COLLEGE 140 COMMONWEALTH AVENUE CHESTNUT HILL, MA 02467 | 04-2103545 | 501(c)(3) | 370,000 | | N/A | N/A | GENERAL SUPPORT |
| THE OHIO STATE UNIVERSITY ASSISTANT DIRECTOR FINANCIAL SERVI COLUMBUS, OH 432101016 | 31-6025986 | 501(c)(3) | 361,625 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| THE JOHNS HOPKINS UNIVERSITY 12529 COLLECTIONS CENTER DRIVE CHICAGO, IL 60693 | 52-0595110 | 501(c)(3) | 353,000 | | N/A | N/A | GENERAL SUPPORT |
| BOARD OF TRUSTEES OF THE UNIV OF ILLINOIS 28392 NETWORK PLACE CHICAGO, IL 606731283 | 37-6000511 | 501(c)(3) | 344,480 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| RSRCH FDN FOR THE STATE UNIV OF NEW YORK PO BOX 9 ALBANY, NY 122010009 | 14-1368361 | 501(c)(3) | 330,000 | | N/A | N/A | GENERAL SUPPORT |
| GEORGIA TECH RESEARCH CORPORATION PO BOX 100117 ATLANTA, GA 30384 | 58-0603146 | 501(c)(3) | 330,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| REGENTS OF THE UNIV OF CALIFORNIA PO BOX 989062 WEST SACRAMENTO, CA 957989062 | 94-6036494 | 501(c)(3) | 330,000 | | N/A | N/A | GENERAL SUPPORT |
| THE UNIVERSITY OF TEXAS AT AUSTIN 100 WEST DEAN KEETON STREET AUSTIN, TX 787121712 | 74-6000203 | TX State | 280,425 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| CASE WESTERN RESERVE UNIVERSITY CHEMISTRY DEPARTMENT CLEVELAND, OH 44106 | 34-1018992 | 501(c)(3) | 248,650 | | N/A | N/A | GENERAL SUPPORT |
| THE UNIVERSITY OF TENNESSEE 210 STUDENT SERVICES BLDG KNOXVILLE, TN 379962200 | 62-6001636 | 501(c)(3) | 248,300 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| REGENTS OF THE UNIV OF COLORADO AT BOULDER SPONSORED PROJECTS ACCOUNTING 574 BOULDER, CO 803090574 | 84-6000555 | 501(c)(3) | 247,000 | | N/A | N/A | GENERAL SUPPORT |
| UNIV OF GEORGIA RSRCH FDN INC 310 E CAMPUS ROAD ROOM 411 ATHENS, GA 30602 | 58-1353149 | 501(c)(3) | 240,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| NORTH CAROLINA STATE UNIVERSITY BOX 7214 RALEIGH, NC 276957214 | 56-6000756 | NC State | 231,250 | | N/A | N/A | GENERAL SUPPORT |
| DREXEL UNIVERSITY 3141 CHESTNUT STREET PHILADELPHIA, PA 19104 | 23-1352630 | 501(c)(3) | 228,700 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| BOARD OF REGENTS UNIV OF WISCONSIN SYSTEM 21 NORTH PARK STREET SUITE 6401 MADISON, WI 537151218 | 39-6006492 | WI State | 228,375 | | N/A | N/A | GENERAL SUPPORT |
| TEXAS TECH UNIVERSITY BOX 45005 LUBBOCK, TX 794095005 | 75-6002622 | TX State | 228,375 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| UNIVERSITY OF ALABAMA 318 ROSE ADMINISTRATION BLDG TUSCALOOSA, AL 354870135 | 63-6001138 | 501(c)(3) | 227,200 | | N/A | N/A | GENERAL SUPPORT |
| THE REGENTS OF THE UNIVERSITY OF CALIFORNIA 9500 GILMAN DRIVE MC 314 BERKELEY, CA 947201103 | 95-6006144 | 501(c)(3) | 226,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| UNIVERSITY OF NOTRE DAME 115 MAIN BLDG NOTRE DAME, IN 465565612 | 35-0868188 | 501(c)(3) | 225,500 | | N/A | N/A | GENERAL SUPPORT |
| RENSSELAER POLYTECHNIC INSTITUTE 110 8TH STREET ROOM 311 TROY, NY 121803522 | 14-1340095 | 501(c)(3) | 225,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| RICE UNIVERSITY DEPT OF CHEMISTRY DEPT OF CHEM MS-60 PO BOX 1862 HOUSTON, TX 77251 | 74-1109620 | 501(c)(3) | 223,875 | | N/A | N/A | GENERAL SUPPORT |
| UNIVERSITY OF MASSACHUSETTS UNIVERSITY OF ADMISSIONS CENTER AMHERST, MA 01003 | 04-3167352 | 501(c)(3) | 220,300 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| UNIVERSITY OF KANSAS CENTER FOR RSRCH INC 2385 IRVING HILL ROAD LAWRENCE, KS 660457563 | 48-0680117 | 501(c)(3) | 220,000 | | N/A | N/A | GENERAL SUPPORT |
| UNIVERSITY OF MARYLAND - DEPT OF CHEM DEPARTMENT OF CHEMISTRY COLLEGE PARK, MD 20742 | 52-1076158 | 501(c)(3) | 220,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| FLORIDA STATE UNIV RSRCH FDN INC PO BOX 3062744 TALLAHASSEE, FL 323102744 | 59-3211153 | 501(c)(3) | 220,000 | | N/A | N/A | GENERAL SUPPORT |
| BOARD OF GOV OF THE COLORADO STATE UNIV 408 UNIVERSITY SERVICES CTR FORT COLLINS, CO 805236015 | 84-6000545 | CO State | 220,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| BOARD OF REGENTS OF THE UNIV OF NEBRASKA 312 N 14TH STREET LINCOLN, NE 685880430 | 47-0049123 | 501(c)(3) | 188,500 | | N/A | N/A | GENERAL SUPPORT |
| TEXAS A&M UNIVERSITY PO BOX 30016 COLLEGE STATION, TX 778423016 | 74-6000531 | TX State | 183,125 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| THE REGENTS OF THE UNIVERSITY OF CALIFORNIA CONTRACTS AND GRANTS ACCOUNTING BERKELEY, CA 947201103 | 95-6006143 | 501(c)(3) | 177,500 | | N/A | N/A | GENERAL SUPPORT |
| UNIVERSITY OF HOUSTON 4302 UNIVERSITY DRIVE RM 1 HOUSTON, TX 772045011 | 74-6001399 | TX State | 177,269 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| ROWAN UNIVERSITY DEPT OF CHEMISTRY BIOCHEMISTRY GLASSBORO, NJ 08028 | 22-2764819 | NJ State | 165,800 | | N/A | N/A | GENERAL SUPPORT |
| IOWA STATE UNIVERSITY 0640 BEARDSHEAR HALL AMES, IA 500112103 | 42-6004224 | 501(c)(3) | 155,950 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| HARVARD UNIVERSITY 124 MOUNT AUBURN STREET CAMBRIDGE, MA 02130 | 04-2103580 | 501(c)(3) | 154,700 | | N/A | N/A | GENERAL SUPPORT |
| NEW YORK UNIVERSITY PO BOX 5166 NEW YORK, NY 10087 | 13-5562308 | 501(c)(3) | 154,375 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| UNIVERSITY OF FLORIDA PO BOX 114025 GAINESVILLE, FL 326114025 | 59-6002052 | 501(c)(3) | 147,200 | | N/A | N/A | GENERAL SUPPORT |
| MICHIGAN STATE UNIVERSITY 556 E CIRCLE DRIVE EAST LANSING, MI 48824 | 38-6005984 | 501(c)(3) | 147,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| DUKE UNIVERSITY LOCKBOX 602651 CHARLOTTE, NC 28262 | 56-0532129 | 501(c)(3) | 144,000 | | N/A | N/A | GENERAL SUPPORT |
| OKLAHOMA STATE UNIVERSITY 401 WHITEHURST HALL STILLWATER, OK 740781031 | 73-1383996 | OK State | 142,750 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| LOUISIANA STATE UNIVERSITY 125 THOMAS BOYD HALL BATON ROUGE, LA 708032750 | 72-6000848 | 501(c)(3) | 141,625 | | N/A | N/A | GENERAL SUPPORT |
| COLORADO SCHOOL OF MINES E247 BEN PARKER STUDENT CENTER GOLDEN, CO 80401 | 84-6000551 | CO State | 140,903 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| REGENTS OF THE UNIVERSITY OF MINNESOTA 450 UNIVERSITY GATEWAY MINNEAPOLIS, MN 554552070 | 41-6007513 | MN State | 139,175 | | N/A | N/A | GENERAL SUPPORT |
| MASSACHUSETTS INSTITUTE OF TECHNOLOGY 77 MASSACHUSETTS AVENUE CAMBRIDGE, MA 021394307 | 04-2103594 | 501(c)(3) | 137,364 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| AZ BOARD OF REGENTS AZ STATE UNIV PO BOX 876011 TEMPE, AZ 852876011 | 86-0196696 | AZ State | 136,200 | | N/A | N/A | GENERAL SUPPORT |
| REGENTS OF THE UNIV OF CALIFORNIA 18 SPROUL HALL 1960 BERKELEY, CA 947201103 | 94-6002123 | 501(c)(3) | 135,625 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| UNIVERSITY OF DELAWARE 30 LOVETT AVENUE NEWARK, DE 19716 | 51-6000297 | 501(c)(3) | 135,500 | | N/A | N/A | GENERAL SUPPORT |
| THE CURATORS OF THE UNIVERSITY OF MISSOURI ASSOCIATE DIRECTOR/FISCAL AFFAIRS COLUMBIA, MO 65211230 | 43-6003859 | MO State | 134,500 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| THE TRUSTEES OF COLUMBIA UNIVERSITY 615 WEST 131ST STREET MC 8725 NEW YORK, NY 10027 | 13-5598093 | 501(c)(3) | 130,875 | | N/A | N/A | GENERAL SUPPORT |
| UNIVERSITY OF PUERTO RICO AT MAYAGUEZ PO BOX 9001 MAYAGUEZ, PR 006819001 | 66-0433761 | 501(c)(3) | 130,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA P-221 FRANKLIN BLDG PHILADELPHIA, PA 191046205 | 23-1352685 | 501(c)(3) | 127,575 | | N/A | N/A | GENERAL SUPPORT |
| UNIVERSITY OF NEVADA SPONSORED PROJECTS/MS325 RENO, NV 895570240 | 88-6000024 | 501(c)(3) | 126,500 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| BRD OF TRUSTEES LELAND STANFORD JR UNIV PO BOX 44253 SAN FRANCISCO, CA 941444253 | 94-1156365 | 501(c)(3) | 123,753 | | N/A | N/A | GENERAL SUPPORT |
| VANDERBILT UNIVERSITY 2309 WEST END AVENUE NASHVILLE, TN 37203 | 62-0476822 | 501(c)(3) | 123,325 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| THE REGENTS OF THE UNIVERSITY OF MICHIGAN 3003 S STATE STREET ANN ARBOR, MI 481091287 | 38-6006309 | 501(c)(3) | 122,925 | | N/A | N/A | GENERAL SUPPORT |
| NORTHEASTERN UNIVERSITY 360 HUNTINGTON AVE BOSTON, MA 02115 | 04-1679980 | 501(c)(3) | 121,075 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| BROWN UNIVERSITY 164 ANGEL STREET 2ND FLOOR PROVIDENCE, RI 02912 | 05-0258809 | 501(c)(3) | 121,075 | | N/A | N/A | GENERAL SUPPORT |
| WICHITA STATE UNIVERSITY 1845 FAIRMOUNT BOX 24 WICHITA, KS 67260 | 48-1124839 | KS State | 120,250 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| BAYLOR UNIVERSITY ONE BEAR PLACE 97048 WACO, TX 767987048 | 74-1159753 | 501(c)(3) | 120,000 | | N/A | N/A | GENERAL SUPPORT |
| UNIVERSITY OF WASHINGTON BOX 358538 BOTHELL, WA 98011 | 91-6001537 | WA State | 118,550 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| NEW JERSEY INSTITUTE OF TECHNOLOGY 391 DR MARTINE LUTHER KING JR BLVD NEWARK, NJ 07191 | 22-6000910 | NJ State | 117,500 | | N/A | N/A | GENERAL SUPPORT |
| TRUSTEES OF INDIANA UNIVERSITY PO BOX 66057 INDIANAPOLIS, IN 462666057 | 35-6001673 | 501(c)(3) | 117,500 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| MONTANA STATE UNIVERSITY PO BOX 172190 BOZEMAN, MT 597172190 | 81-6010045 | MT State | 117,250 | | N/A | N/A | GENERAL SUPPORT |
| NORTHWESTERN UNIVERSITY 1801 HINMAN AVENUE EVANSTON, IL 602043060 | 36-2167817 | 501(c)(3) | 116,200 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| ROCHESTER INSTITUTE OF TECHNOLOGY BAUSCH LOMB CENTER ROCHESTER, NY 146235604 | 16-0743140 | 501(c)(3) | 116,125 | | N/A | N/A | GENERAL SUPPORT |
| UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION PO BOX 931113 CLEVELAND, OH 44193 | 61-6033693 | 501(c)(3) | 116,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
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| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| BRD OF REGENTS OF THE UNIV OF OKLAHOMA 201 STEPHENSON PKWY NORMAN, OK 73019 | 73-1377584 | OK State | 115,850 | | N/A | N/A | GENERAL SUPPORT |
| UNIVERSITY OF PITTSBURGH LOCK BOX 371220 PITTSBURGH, PA 152517220 | 25-0965591 | 501(c)(3) | 115,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
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| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| BRIGHAM YOUNG UNIVERSITY C409 BNSN PROVO, UT 84604 | 87-0217280 | 501(c)(3) | 115,000 | | N/A | N/A | GENERAL SUPPORT |
| ACS CALIFORNIA SECTION 1072 MANDANA BLVD OAKLAND, CA 94610 | 94-1358305 | 501(c)(3) | 114,820 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| SYRACUSE UNIVERSITY 100 CROUSE - HINDS HALL SYRACUSE, NY 132442130 | 15-0532081 | 501(c)(3) | 114,000 | | N/A | N/A | GENERAL SUPPORT |
| EMORY UNIVERSITY 1515 DICKEY DRIVE ATLANTA, GA 30322 | 58-0566256 | 501(c)(3) | 113,625 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
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| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| UNIVERSITY OF VIRGINIA PO BOX 400204 CHARLOTTESVILLE, VA 22904 | 54-6001796 | 501(c)(3) | 113,000 | | N/A | N/A | GENERAL SUPPORT |
| UNIVERSITY OF UTAH 315 SOUTH 1400 EAST SALT LAKE CITY, UT 84112 | 87-6000525 | 501(c)(3) | 112,800 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
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| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| UNIV OF LOUISVILLE RSRCH FDN INC 300 EAST MARKET ST LOUISVILLE, KY 40202 | 61-1029626 | 501(c)(3) | 112,500 | | N/A | N/A | GENERAL SUPPORT |
| ACS NORTH JERSEY SECTION 28 WINDING LANE BLOOMFIELD, NJ 070034230 | 22-6033933 | 501(c)(3) | 112,200 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| TEMPLE UNIVERSITY 1805 N BROAD STREET PHILADELPHIA, PA 19122 | 23-1365971 | 501(c)(3) | 111,800 | | N/A | N/A | GENERAL SUPPORT |
| UNIVERSITY OF ROCHESTER PO BOX 270037 ROCHESTER, NY 14627 | 16-0743209 | 501(c)(3) | 110,750 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| KENT STATE UNIVERSITY STUDENT AFFILIATES KENT, OH 44242 | 31-6402079 | 501(c)(3) | 110,300 | | N/A | N/A | GENERAL SUPPORT |
| UNIVERSITY OF CONNECTICUT 2390 ALUMNI DRIVE STORRS, CT 06269 | 06-0772160 | CT State | 110,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
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| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| THE SCRIPPS RESEARCH INSTITUTE 10550 N TORREY PINES RD TPC-7 LA JOLLA, CA 92037 | 33-0435954 | 501(c)(3) | 110,000 | | N/A | N/A | GENERAL SUPPORT |
| THE UNIVERSITY OF AKRON 302 BUCHTEL COMMON AKRON, OH 443256205 | 34-6002924 | OH State | 110,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| NORTHERN ILLINOIS UNIVERSITY 203 LOWDEN HALL DEKALB, IL 601152828 | 36-6008480 | IL State | 110,000 | | N/A | N/A | GENERAL SUPPORT |
| WESTERN MICHIGAN UNIVERSITY 4005 SEIBERT ADMINISTRATION BLDG KALAMAZOO, MI 490085425 | 38-6007327 | 501(c)(3) | 110,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
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| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| UNIVERSITY OF OREGON BOX 3237 EUGENE, OR 974033237 | 46-4727800 | OR State | 110,000 | | N/A | N/A | GENERAL SUPPORT |
| UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL 104 AIRPORT DR SUITE 2200 CHAPEL HILL, NC 275991350 | 56-6001393 | 501(c)(3) | 110,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| H LEE MOFFITT CANCER CTR AND RSRCH INST INC PO BOX 742801 ATLANTA, GA 303742801 | 59-2451713 | 501(c)(3) | 110,000 | | N/A | N/A | GENERAL SUPPORT |
| ADMIN OF TULANE EDUCATIONAL FUND 1555 POYDRAS ST SUITE 1000 NEW ORLEANS, LA 70112 | 72-0423889 | 501(c)(3) | 110,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
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| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| THE UNIVERSITY OF TEXAS AT SAN ANTONIO 6900 N LOOP 1604 WEST SAN ANTONIO, TX 78249 | 74-1717115 | TX State | 110,000 | | N/A | N/A | GENERAL SUPPORT |
| AZ BRD OF REGENTS UNIVERSITY OF ARIZONA 1303 E UNIVERSITY BLVD BOX 3 TUCSON, AZ 857190521 | 74-2652689 | AZ State | 110,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| UNIVERSITY OF ALASKA PO BOX 757880 FAIRBANKS, AK 997757880 | 92-6000147 | 501(c)(3) | 110,000 | | N/A | N/A | GENERAL SUPPORT |
| CSU FULLERTON AUXILIARY SERVICES CORP 1121 N STATE COLLEGE BLVD FULLERTON, CA 928313014 | 95-2081258 | 501(c)(3) | 110,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| UNIVERSITY OF HOUSTON 4302 UNIVERSITY DRIVE RM 1 HOUSTON, TX 772045011 | 74-6001399 | TX State | 110,000 | | N/A | N/A | GENERAL SUPPORT |
| KANSAS STATE UNIVERSITY COLLEGE OF ARTS SCIENCES MANHATTAN, KS 665022911 | 48-0771751 | 501(c)(3) | 90,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
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| HAMPTON UNIVERSITY 100 EAST QUEEN AND TYLER STREETS HAMPTON, VA 23668 | 54-0505990 | 501(c)(3) | 81,325 | | N/A | N/A | GENERAL SUPPORT |
| RSRCH FDN OF CUNY OBO BROOKLYN COLLEGE 2900 BEDFORD AVENUE BROOKLYN, NY 112102889 | 13-1988190 | 501(c)(3) | 78,125 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| THE COLLEGE OF NEW JERSEY 2000 PENNINGTON RD EWING, NJ 08628 | 22-2797398 | NJ State | 76,250 | | N/A | N/A | GENERAL SUPPORT |
| FL GULF COAST UNIV BOARD OF TRUSTEES 10501 FGCU BLVD SOUTH FORT MYERS, FL 339656565 | 65-0753801 | FL State | 74,375 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| JAMES MADISON UNIVERSITY DEPT OF CHEM HARRISONBURG, VA 22807 | 54-6001756 | 501(c)(3) | 73,300 | | N/A | N/A | GENERAL SUPPORT |
| UNIVERSITY OF ST THOMAS 3800 MONTROSE BLVD HOUSTON, TX 77006 | 74-1277664 | 501(c)(3) | 70,900 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| MINNESOTA STATE UNIV MANKATO DEPT OF CHEMISTRY GEOLOGY MANKATO, MN 56001 | 41-1687554 | MN State | 70,300 | | N/A | N/A | GENERAL SUPPORT |
| SMITH COLLEGE OFFICE OF THE CONTROLLER COLLEGE H NORTHAMPTON, MA 01063 | 04-1843040 | 501(c)(3) | 70,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| BARD COLLEGE CONTROLLERS OFFICE ROUTE 9G/ANNAND ANNANDALEON HUDSON, NY 12504 | 14-1713034 | 501(c)(3) | 70,000 | | N/A | N/A | GENERAL SUPPORT |
| WIDENER UNIVERSITY OFFICE OF SPONSORED PROGRAMS RESE CHESTER, PA 19013 | 23-1386178 | 501(c)(3) | 70,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| BUCKNELL UNIVERSITY 112 MARTS HALL LEWISBURG, PA 17837 | 24-0772407 | 501(c)(3) | 70,000 | | N/A | N/A | GENERAL SUPPORT |
| WRIGHT STATE UNIVERSITY 3640 COLONEL GLENN HWY DAYTON, OH 454350001 | 31-0732831 | OH State | 70,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| BARNARD COLLEGE 015 MILBANK HALL 3009 BROADWAY NEW YORK, NY 10027 | 13-1628149 | 501(c)(3) | 57,500 | | N/A | N/A | GENERAL SUPPORT |
| THE REGENTS OF THE UNIV OF CALIFORNIA CHEMISTRY CAMPUS BOX2240 SAN FRANCISCO, CA 94158 | 95-2226406 | 501(c)(3) | 56,250 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| FRANKLIN AND MARSHALL COLLEGE CHEMISTRY DEPARTMENT LANCASTER, PA 17604 | 23-1352635 | 501(c)(3) | 55,300 | | N/A | N/A | GENERAL SUPPORT |
| LAFAYETTE COLLEGE 228 HUGEL SCIENCE CENTER EASTON, PA 18042 | 24-0795686 | 501(c)(3) | 55,300 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| PROVIDENCE COLLEGE 549 RIVER AVENUE PROVIDENCE, RI 02918 | 05-0258932 | 501(c)(3) | 55,000 | | N/A | N/A | GENERAL SUPPORT |
| ADELPHI UNIVERSITY CONTROLLERS OFFICE GARDEN CITY, NY 11530 | 11-1630741 | 501(c)(3) | 55,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| LONG ISLAND UNIVERSITY 700 NORTHERN BLVD GREENVALE, NY 115481319 | 11-1633516 | 501(c)(3) | 55,000 | | N/A | N/A | GENERAL SUPPORT |
| ST BONAVENTURE UNIVERSITY HOPKINS HALL ROOM 230 ST BONAVENTURE, NY 14778 | 16-0743150 | 501(c)(3) | 55,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| STOCKTON UNIVERSITY 101 VERA KING FARRIS DRIVE GALLOWAY, NJ 08205 | 22-2832788 | 501(c)(3) | 55,000 | | N/A | N/A | GENERAL SUPPORT |
| MUHLENBERG COLLEGE 2400 W CHEW STREET ALLENTOWN, PA 18104 | 23-1352664 | 501(c)(3) | 55,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| THE CORPORATION OF HAVERFORD COLLEGE ACCOUNT MANAGER BUSINESS OFFICE HAVERFORD, PA 190411392 | 23-6002304 | 501(c)(3) | 55,000 | | N/A | N/A | GENERAL SUPPORT |
| ALLEGHENY COLLEGE 520 N MAIN STREET MEADVILLE, PA 16335 | 25-0965212 | 501(c)(3) | 55,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| WESTERN KENTUCKY UNIVERSITY 1906 COLLEGE HEIGHTS BLVD 11002 BOWLING GREEN, KY 421011002 | 61-6055628 | 501(c)(3) | 55,000 | | N/A | N/A | GENERAL SUPPORT |
| THE UNIVERSITY OF TEXAS AT EL PASO ACCOUNTING SERVICES ADMIN BLDG EL PASO, TX 799680697 | 74-6000813 | TX State | 55,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| OCCIDENTAL COLLEGE BUSINESS OFFICE LOS ANGELES, CA 900413314 | 95-1667177 | 501(c)(3) | 55,000 | | N/A | N/A | GENERAL SUPPORT |
| THE UNIVERSITY CORPORATION 18111 NORDHOFF ST NORTHRIDGE, CA 913308309 | 95-1992732 | 501(c)(3) | 55,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| CA STATE UNIV LONG BEACH RSRCH FND 6300 STATE UNIVERSITY DR SUITE 33 LONG BEACH, CA 90815 | 95-6106694 | 501(c)(3) | 55,000 | | N/A | N/A | GENERAL SUPPORT |
| THE COLLEGE OF WILLIAM AND MARY PO BOX 8795 WILLIAMSBURG, VA 231878795 | 54-6001718 | VA State | 55,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| CORNELL UNIVERSITY PO BOX 22 ITHACA, NY 148510022 | 15-0532082 | 501(c)(3) | 54,125 | | N/A | N/A | GENERAL SUPPORT |
| ACS INDIANA SECTION PO BOX 47333 INDIANAPOLIS, IN 46247 | 35-6031737 | 501(c)(3) | 52,600 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| OREGON STATE UNIVERSITY DEPARTMENT OF CHEMISTRY CORVALLIS, OR 97331 | 61-1730890 | OR State | 49,300 | | N/A | N/A | GENERAL SUPPORT |
| UNIVERSITY OF CONNECTICUT 2390 ALUMNI DRIVE STORRS, CT 06269 | 71-6003252 | CT State | 48,875 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| FLINN SCIENTIFIC PO BOX 71721 CHICAGO, IL 606941721 | 36-2926914 | | 45,400 | | N/A | N/A | GENERAL SUPPORT |
| CHEMICAL HERITAGE FOUNDATION 315 CHESTNUT STREET PHILADELPHIA, PA 191062702 | 22-2817365 | 501(c)(3) | 45,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| WEST VIRGINIA UNIVERSITY PO BOX 6004 MORGANTOWN, WV 26506 | 55-6000842 | 501(c)(3) | 41,400 | | N/A | N/A | GENERAL SUPPORT |
| UNIVERSITY OF MARYLAND DEPARTMENT OF CHEMISTRY COLLEGE PARK, MD 20742 | 52-1076158 | 501(c)(3) | 41,235 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| COLORADO STATE UNIVERSITY FOUNDATION COLLEGE OF NATURAL SCIENCES FORT COLLINS, CO 805231801 | 23-7098397 | 501(c)(3) | 40,000 | | N/A | N/A | GENERAL SUPPORT |
| MISSISSIPPI STATE UNIVERSITY FOUNDATION COLLEGE OF ARTS SCIENCES - MSU MISSISSIPPI STATE, MS 39762 | 64-0410581 | 501(c)(3) | 40,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| UNIVERSITY OF NORTHERN COLORADO JUDY FARR ALUMNI CENTER GREELY, CO 80639 | 84-6000546 | CO State | 40,000 | | N/A | N/A | GENERAL SUPPORT |
| ACS NEW YORK SECTION 3280 SUNRISE HIGHWAY WANTAGH, NY 11793 | 13-1926773 | 501(c)(3) | 35,500 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| WASHINGTON STATE UNIVERSITY DEPARTMENT OF CHEMISTRY PULLMAN, WA 991644630 | 91-6001108 | 501(c)(3) | 35,500 | | N/A | N/A | GENERAL SUPPORT |
| ACS GREATER HOUSTON SECTION PO BOX 66187 HOUSTON, TX 770323219 | 74-6045012 | 501(c)(3) | 30,800 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
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| VIRGINIA POLYTECHNIC INST & STATE UNIV STUDENT CHAPTER BLACKSBURG, VA 24061 | 54-6001805 | VA State | 30,000 | | N/A | N/A | GENERAL SUPPORT |
| MARCH FOR SCIENCE 2472 BROADWAY 207 NEW YORK, NY 10025 | 81-5429204 | | 30,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| AUBURN UNIVERSITY DEPARTMENT OF CHEMISTRY AUBURN, AL 36849 | 63-6000724 | AL State | 28,125 | | N/A | N/A | GENERAL SUPPORT |
| ACS COLORADO LOCAL SECTION PO BOX 20183 LOUISVILLE, CO 80027 | 84-0754631 | 501(c)(3) | 27,625 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
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| UNIVERSITY OF MASSACHUSETTS-AMHERST DIRECTOR OF FINANCIAL AID AMHERST, MA 010039291 | 54-2084125 | 501(c)(3) | 27,500 | | N/A | N/A | GENERAL SUPPORT |
| UNIVERSITY OF SOUTH CAROLINA 1244 BLOSSOM STREET COLUMBIA, SC 29208 | 57-6001153 | SC State | 26,533 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| GEORGIA INSTITUTE OF TECHNOLOGY OFFICE OF SCHOLARSHIP AND FIN AID ATLANTA, GA 303320460 | 58-6002023 | 501(c)(3) | 25,825 | | N/A | N/A | GENERAL SUPPORT |
| PURDUE UNIVERSITY 1102 SCHLEMAN HALL - ROOM 305 WEST LAFAYETTE, IN 479071102 | 35-6002041 | 501(c)(3) | 25,650 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
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| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| WORCESTER POLYTECHNIC INSTITUTE 100 INSTITUTE ROAD WORCESTER, MA 01609 | 04-2121659 | 501(c)(3) | 25,300 | | N/A | N/A | GENERAL SUPPORT |
| CLEMSON UNIVERSITY OUTSIDE SCHOLARSHIPS CLEMSON, SC 29634 | 57-0426335 | 501(c)(3) | 25,275 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
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| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| REGENTS OF THE UNIVERSITY DEPARTMENT OF CHEMISTRY DAVIS, CA 79896 | 95-6006142 | 501(c)(3) | 25,250 | | N/A | N/A | GENERAL SUPPORT |
| UNIVERSITY OF ARKANSAS AT PINE BLUFF 1200 NORTH UNIVERSITY DRIVE PINE BLUFF, AR 71601 | 71-6010030 | AR State | 25,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| COLUMBUS COUNCIL ON WORLD AFFAIRS 51 JEFFERSON AVE COLUMBUS, OH 43215 | 51-0180760 | 501(c)(3) | 25,000 | | N/A | N/A | GENERAL SUPPORT |
| SOUTH DAKOTA SCHOOL OF MINES AND TECH DEPARTMENT OF CHEMISTRY RAPID CITY, SD 57701 | 46-6000364 | SD State | 24,500 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| ACS PUERTO RICO SECTION DEPT OF CHEMISTRY SAN JUAN, PR 009368377 | 66-0684194 | 501(c)(3) | 23,005 | | N/A | N/A | GENERAL SUPPORT |
| UNIVERSITY OF IDAHO 875 PERIMETER DRIVE MOSCOW, ID 838443020 | 82-6000945 | 501(c)(3) | 22,500 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| WESTERN WASHINGTON UNIVERSITY 516 HIGH STREET OLD MAIN 110 BELLINGHAM, WA 982259004 | 91-6000562 | WA State | 21,800 | | N/A | N/A | GENERAL SUPPORT |
| ALABAMA A & M UNIVERSITY 105 PATTON BUILDING NORMAL, AL 35762 | 23-7067600 | AL State | 20,950 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| WEST VIRGINIA STATE UNIVERSITY 217 HAMBLIN HALL RT 25 BARRON DR INSTITUTE, WV 25112 | 55-6000839 | WV State | 20,800 | | N/A | N/A | GENERAL SUPPORT |
| UNIVERSITY OF NEW HAMPSHIRE COLLEGE OF ENGINEERING PHY SCI DURHAM, NH 03824 | 02-6000937 | 501(c)(3) | 20,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| LANGSTON UNIVERSITY CHEMISTRY DEPARTMENT LANGSTON, OK 73050 | 11-3815948 | 501(c)(3) | 20,000 | | N/A | N/A | GENERAL SUPPORT |
| LINCOLN UNIVERSITY 816 CHESTNUT STREET JEFFERSON CITY, MO 65101 | 23-1352655 | 501(c)(3) | 20,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| UNIVERSITY OF ALASKA FOUNDATION PO BOX 755940 FAIRBANKS, AK 99775 | 23-7394620 | 501(c)(3) | 20,000 | | N/A | N/A | GENERAL SUPPORT |
| ACS ARKON SECTION 390 ROSLYN AVENUE AKRON, OH 443201222 | 26-0090704 | 501(c)(3) | 20,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| UNIVERSITY OF WISCONSIN DEPT OF CHEMISTRY EAUCLAIRE, WI 54702 | 39-0743975 | 501(c)(3) | 20,000 | | N/A | N/A | GENERAL SUPPORT |
| NORTH CAROLINA ST COLLEGE OF SCI FNDTN DEV COLLEGE RELATIONS RALEIGH, NC 276958201 | 58-1524289 | 501(c)(3) | 20,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| ALCORN STATE UNIVERSITY DEPT OF CHEMISTRYPHYSICS LORMAN, MS 39096 | 64-6000013 | MS State | 20,000 | | N/A | N/A | GENERAL SUPPORT |
| MONTANA STATE UNIVERSITY FOUNDATION 910 TECHNOLOGY BLVD BOZEMAN, MT 59717 | 81-6001649 | 501(c)(3) | 20,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| STONY BROOK FOUNDATION ROOM N-4004 STONY BROOK, NY 117943394 | 14-6077945 | NY State | 20,000 | | N/A | N/A | GENERAL SUPPORT |
| NORTH DAKOTA STATE UNIVERSITY 255 EVELYN MORROW LEBEDEFF HALL FARGO, ND 57007 | 23-7014969 | ND State | 20,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| SOUTHERN UNIVERSITY SYSTEM FOUNDATION AM COLLEGE BATON ROUGE, LA 70183 | 23-7052911 | LA State | 20,000 | | N/A | N/A | GENERAL SUPPORT |
| SOUTH CAROLINA ST UNIV EDUCATIONAL FNDTN CAMPUS PO BOX 7212 ORANGEBURG, SC 29117 | 23-7113930 | SC State | 20,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| DELAWARE STATE UNIVERSITY OFFICE OF INSTITUTIONAL ADVANCEMENT DOVER, DE 19901 | 51-0305893 | DE State | 20,000 | | N/A | N/A | GENERAL SUPPORT |
| TUSKEGEE UNIVERSITY DEPARTMENT OF CHEMISTRY TUSKEGEE, AL 36088 | 63-0288878 | AL State | 20,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| BAYLOR COLLEGE OF MEDICINE 1 BAYLOR PLAZA PEDIATRICS-TROPICAL HOUSTON, TX 77030 | 74-1613878 | 501(c)(3) | 19,500 | | N/A | N/A | GENERAL SUPPORT |
| NORTH CAROLINA A & T STATE UNIVERSITY 1601 EAST MARKET STREET GREENSBORO, NC 27401 | 56-6000007 | NC State | 18,750 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| CHEMICAL SOCIETY OF WASHINGTON 14509 BANQUO TERRACE SILVER SPRING, MD 209062678 | 23-7284206 | 501(c)(3) | 17,750 | | N/A | N/A | GENERAL SUPPORT |
| FLORIDA A&M UNIVERSITY 1700 LEE HALL DRIVE TALLAHASSEE, FL 32307 | 59-0977035 | 501(c)(3) | 17,250 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| UNIVERSITY OF NEW MEXICO 1155 UNIVERSITY BLVD SE ALBUQUERQUE, NM 87131 | 85-6000642 | NM State | 16,750 | | N/A | N/A | GENERAL SUPPORT |
| ACS NORTH CAROLINA SECTION 101 LONGWOOD PL CHAPEL HILL, NC 275149584 | 56-6049892 | 501(c)(3) | 16,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| UNIVERSITY OF TOLEDO 2801 W BANCROFT STREET TOLEDO, OH 43606 | 34-6401483 | OH State | 15,800 | | N/A | N/A | GENERAL SUPPORT |
| VIRGINIA COMMONWEALTH UNIV 901 W FRANKLIN STREET RICHMOND, VA 23284 | 54-6001758 | VA State | 15,750 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| UNIVERSITY OF MAINE 5717 CORBETT HALL ORONO, ME 044695717 | 01-6000769 | 501(c)(3) | 15,100 | | N/A | N/A | GENERAL SUPPORT |
| ACS MINNESOTA SECTION 2621 WESTERGREN CT SAINT PAUL, MN 55110 | 41-6024526 | 501(c)(3) | 15,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| KEAN UNIVERSITY STEM BLDG ROOM 513 UNION, NJ 07083 | 22-2960726 | NJ State | 15,000 | | N/A | N/A | GENERAL SUPPORT |
| PRAIRIE VIEW A&M UNIVERSITY PO BOX 519 MS 1329 TREASURY SERVIC PRAIRIE VIEW, TX 77446 | 74-6001078 | TX State | 14,250 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| STATE UNIVERSITY OF NEW YORK DEPARTMENT OF CHEMISTRY PLATTSBURGH, NY 12901 | 14-6013200 | NY State | 14,000 | | N/A | N/A | GENERAL SUPPORT |
| CA POLYTECHNIC STATE UNIV ADMISSIONS OFFICE SAN LUIS OBISPO, CA 934070031 | 95-1648180 | 501(c)(3) | 12,750 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| ACS GEORGIA SECTION 250 AMAL DRIVE SW ATLANTA, GA 30315 | 58-6043590 | 501(c)(3) | 12,700 | | N/A | N/A | GENERAL SUPPORT |
| ACS ROCHESTER SECTION 87 BEVERLY ST ROCHESTER, NY 14610 | 16-6043932 | 501(c)(3) | 12,500 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| FLORIDA INTL UNIVERSITY 11200 SW 8TH STREET MIAMI, FL 33199 | 23-7047106 | 501(c)(3) | 12,500 | | N/A | N/A | GENERAL SUPPORT |
| ACS PITTSBURGH SECTION 350 SUNSET ROAD PITTSBURGH, PA 15237 | 23-7401645 | 501(c)(3) | 12,500 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| HOWARD UNIVERSITY 2400 6TH STREET NW WASHINGTON, DC 20059 | 53-0204707 | 501(c)(3) | 12,475 | | N/A | N/A | GENERAL SUPPORT |
| UNIVERSITY OF SOUTHERN CALIFORNIA 285 OLD WESTPORT RD NORTH DARTMOUTH, CA 02747 | 95-1642394 | 501(c)(3) | 12,300 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| ACS RHODE ISLAND SECTION 33 LAWTON FOSTER RD S HOPKINTON, RI 02833 | 05-6015333 | 501(c)(3) | 12,156 | | N/A | N/A | GENERAL SUPPORT |
| NEW MEXICO STATE UNIV UNIV ADVANCEMENT LAS CRUCES, NM 880033590 | 85-0170157 | 501(c)(3) | 10,600 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| UNIVERSITY OF SOUTH FLORIDA DIRECTOR OF FINANCIAL AID SARASOTA, FL 336209951 | 59-3102112 | FL State | 10,500 | | N/A | N/A | GENERAL SUPPORT |
| ACS SAN ANTONIO SECTION 10359 TIGER PAW SAN ANTONIO, TX 78251 | 74-6052070 | 501(c)(3) | 10,500 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| UNIVERSITY OF RICHMOND 28 WESTHAMPTON WAY RICHMOND, VA 23173 | 54-0505965 | 501(c)(3) | 10,250 | | N/A | N/A | GENERAL SUPPORT |
| ACS CHEMICAL EDUCATION DIVISION 2225 S EARL AVE LAFAYETTE, IN 47905 | 42-0935374 | 501(c)(3) | 10,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| UNIVERSITY OF VERMONT FOUNDATION DIR OF CORP FOUNDATION RELATIONS BURLINGTON, VT 05401 | 45-1556038 | 501(c)(3) | 10,000 | | N/A | N/A | GENERAL SUPPORT |
| UNIVERSITY OF ARIZONA FOUNDATION CHEMISTRY BIOCHEMISTRY BUILDING TUCSON, AZ 85721 | 86-6050388 | 501(c)(3) | 10,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| UNIVERSITY OF RHODE ISLAND FOUNDATION 79 UPPER COLLEGE ROAD KINGSTON, RI 02881 | 05-6014351 | RI State | 10,000 | | N/A | N/A | GENERAL SUPPORT |
| THE OHIO ACADEMY OF SCIENCE 5930 WILCOX PLACE SUITE F DUBLIN, OH 43016 | 31-4441867 | OH State | 10,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| AMERICAN ASSOC FOR THE ADVANCEMENT OF SCIENCE 1200 NEW YORK AVE NW WASHINGTON, DC 20005 | 53-0196568 | 501(c)(3) | 10,000 | | N/A | N/A | GENERAL SUPPORT |
| UNIVERSITY OF WYOMING FOUNDATION 1200 EAST IVINSON STREET LARAMIE, WY 82070 | 83-0201971 | WY State | 10,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| BRONX COMMUNITY COLLEGE 2155 UNIVERSITY AVENUE BRONX, NY 10453 | 23-7327307 | 501(c)(3) | 9,500 | | N/A | N/A | GENERAL SUPPORT |
| UNIVERSITY OF CALIFORNIA BOX 957089 1125 MURPHY HALL LOS ANGELES, CA 900957089 | 27-0093858 | CA State | 9,250 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| COUNCIL ON UNDERGRADUATE RESEARCH 734 15TH STREET NW WASHINGTON, DC 20005 | 41-1398118 | DC State | 9,222 | | N/A | N/A | GENERAL SUPPORT |
| ACS EASTERN NEW YORK SECTION 301 LARK STREET SCOTIA, NY 123021103 | 14-6030231 | 501(c)(3) | 9,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| OHIO UNIVERSITY 020 CHUBB HALL ATHENS, OH 45701 | 31-6402113 | OH State | 9,000 | | N/A | N/A | GENERAL SUPPORT |
| POMONA COLLEGE 550 NORTH COLLEGE AVENUE CLAREMONT, CA 91711 | 95-1664112 | 501(c)(3) | 9,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| UNIVERSITY OF CHICAGO 1115 E 58TH STREET CHICAGO, IL 60637 | 36-2177139 | 501(c)(3) | 8,750 | | N/A | N/A | GENERAL SUPPORT |
| CLARK ATLANTA UNIVERSITY CHEMISTRY DEPARTMENT ATLANTA, GA 30314 | 58-1825259 | 501(c)(3) | 8,500 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| LEMOYNE-OWEN COLLEGE 807 WALKER AVENUE MEMPHIS, TN 38126 | 62-0475690 | 501(c)(3) | 8,500 | | N/A | N/A | GENERAL SUPPORT |
| UNIV OF GEORGIA LIBRARIES OFFICE OF STUDENT FINANCIAL AID ATHENS, GA 30602 | 58-6001998 | GA State | 8,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| UNIVERSITY OF WEST FLORIDA 11000 UNIVERSITY PARKWAY PENSACOLA, FL 32514 | 15-9600187 | FL State | 7,800 | | N/A | N/A | GENERAL SUPPORT |
| ST EDWARDS UNIVERSITY 3001 S CONGRESS AVE AUSTIN, TX 78704 | 74-1109641 | 501(c)(3) | 7,800 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| IDAHO STATE UNIVERSITY DEPT OF CHEMISTRY POCATELLO, ID 832098023 | 82-6000924 | 501(c)(3) | 7,800 | | N/A | N/A | GENERAL SUPPORT |
| UNIV OF CALIFORNIA SANTA CRUZ 205 HAHN STUDENT SANTA CRUZ, CA 95064 | 94-1539563 | 501(c)(3) | 7,500 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| ACS MIDLAND SECTION PO BOX 994 MIDLAND, MI 48686 | 38-6076239 | 501(c)(3) | 7,400 | | N/A | N/A | GENERAL SUPPORT |
| ACS ILLINOIS HEARTLAND SECTION CHEMISTRY DEPT ILLINOIS COLLEGE JACKSONVILLE, IL 62650 | 23-7377292 | 501(c)(3) | 7,250 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| FLORIDA STATE UNIVERSITY A-1500 UCA BLDG TALLAHASSEE, FL 323062495 | 59-1961248 | 501(c)(3) | 7,000 | | N/A | N/A | GENERAL SUPPORT |
| GEORGIA STATE UNIVERSITY PO BOX 4009 ATLANTA, GA 303024009 | 58-6033185 | 501(c)(3) | 6,750 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| CENTRAL NEW YORK 5371 VINEYARD DR CLAY, NY 13041 | 16-6052084 | 501(c)(3) | 6,600 | | N/A | N/A | GENERAL SUPPORT |
| LOYOLA UNIVERSITY OF CHICAGO 820 NORTH MICHIGAN AVENUE CHICAGO, IL 606119810 | 36-1408475 | 501(c)(3) | 6,375 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| UNIVERSITY SYSTEM OF MARYLAND 5401 WILKENS AVENUE BALTIMORE, MD 21228 | 52-3002033 | MD State | 6,250 | | N/A | N/A | GENERAL SUPPORT |
| UNIVERSITY OF SOUTHERN MISSISSIPPI 118 COLLEGE DRIVE HATTIESBURG, MS 39406 | 64-6000818 | 501(c)(3) | 6,250 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| UNIVERSITY OF DAYTON 300 COLLEGE PARK DAYTON, OH 454691600 | 31-0536715 | 501(c)(3) | 6,125 | | N/A | N/A | GENERAL SUPPORT |
| ACS PORTLAND SECTION 808 NE SISKIYOU STREET PORTLAND, OR 972122270 | 93-6034605 | 501(c)(3) | 6,000 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| STONEWALL COLUMBUS INC 1160 N HIGH ST COLUMBUS, OH 43201 | 31-1189481 | 501(c)(3) | 6,000 | | N/A | N/A | GENERAL SUPPORT |
| LOUISIANA TECH UNIVERSITY 305 WISTERIA ST RUSTON, LA 71272 | 72-6000792 | LA State | 5,950 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| ACS NORTHEASTERN SECTION 67 BOW STREET ARLINGTON, MA 024742744 | 04-6037800 | 501(c)(3) | 5,850 | | N/A | N/A | GENERAL SUPPORT |
| SAN DIEGO STATE UNIVERSITY 5300 CAMPANILE DRIVE SAN DIEGO, CA 92182 | 33-0373293 | CA State | 5,750 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| ACS DETROIT SECTION 13760 RIVERWOOD DRIVE STERLING HEIGHTS, MI 48312 | 38-6062823 | 501(c)(3) | 5,750 | | N/A | N/A | GENERAL SUPPORT |
| UNIV OF PUERTO RICO RIO PIEDRAS DEPARTMENT OF CHEMISTRY SAN JUAN, PR 00931 | 66-0433760 | 501(c)(3) | 5,700 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| MOUNT HOLYOKE COLLEGE 5 COLLEGE STREET SOUTH HADLEY, MA 01075 | 04-2103578 | 501(c)(3) | 5,500 | | N/A | N/A | GENERAL SUPPORT |
| TENNESSEE STATE UNIVERSITY 3500 JOHN A MERRITT BLVD NASHVILLE, TN 372091561 | 62-0786119 | TN State | 5,500 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| UNIVERSITY OF NEW ENGLAND DEPT OF CHEMISTRY PHYSICS BIDDEFORD, ME 04005 | 01-0211810 | 501(c)(3) | 5,300 | | N/A | N/A | GENERAL SUPPORT |
| TEXAS SOUTHERN UNIVERSITY 3100 CLEBURNE STREET HOUSTON, TX 77004 | 74-6001391 | TX State | 5,300 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| UNIVERSITY OF PUERTO RICO BAYAMON PR-174 UNIVERSIDAD DE PUERTO RICO BAYAMON, PR 00959 | | 501(c)(3) | 5,300 | | N/A | N/A | GENERAL SUPPORT |
| VALPARAISO UNIVERSITY VP ADMINISTRATION FINANCE VALPARAISO, IN 46383 | 35-0868125 | 501(c)(3) | 5,125 | | N/A | N/A | GENERAL SUPPORT |

| Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments. | | | | | | | |
|--|------------|-------------------------------|--------------------------|-----------------------------------|---|--|------------------------------------|
| (a) Name and address of organization or government | (b) EIN | (c) IRC section if applicable | (d) Amount of cash grant | (e) Amount of non-cash assistance | (f) Method of valuation (book, FMV, appraisal, other) | (g) Description of non-cash assistance | (h) Purpose of grant or assistance |
| UNIVERSITY OF MARYLAND EASTERN SHORE 3004 HAZEL HALL PRINCESS ANNE, MD 21853 | 52-6002033 | 501(c)(3) | 5,100 | | N/A | N/A | GENERAL SUPPORT |

| | | | |
|--|---|--|---------------------------|
| Schedule J (Form 990) | Compensation Information For certain Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees ▶ Complete if the organization answered "Yes" on Form 990, Part IV, line 23. ▶ Attach to Form 990. ▶ Go to <u>www.irs.gov/Form990</u> for instructions and the latest information. | | OMB No 1545-0047 |
| | | | 2018 |
| | | | Open to Public Inspection |
| Department of the Treasury Internal Revenue Service | Name of the organization AMERICAN CHEMICAL SOCIETY | Employer identification number 53-0196572 | |

| Part I Questions Regarding Compensation | | |
|---|---------------|----|
| | Yes | No |
| 1a Check the appropriate box(es) if the organization provided any of the following to or for a person listed on Form 990, Part VII, Section A, line 1a Complete Part III to provide any relevant information regarding these items | | |
| <div style="display: flex; justify-content: space-between;"> <div> <input checked="" type="checkbox"/> First-class or charter travel <input type="checkbox"/> Travel for companions <input checked="" type="checkbox"/> Tax indemnification and gross-up payments <input type="checkbox"/> Discretionary spending account </div> <div> <input type="checkbox"/> Housing allowance or residence for personal use <input type="checkbox"/> Payments for business use of personal residence <input checked="" type="checkbox"/> Health or social club dues or initiation fees <input type="checkbox"/> Personal services (e g , maid, chauffeur, chef) </div> </div> | | |
| b If any of the boxes in line 1a are checked, did the organization follow a written policy regarding payment or reimbursement or provision of all of the expenses described above? If "No," complete Part III to explain | 1b Yes | |
| 2 Did the organization require substantiation prior to reimbursing or allowing expenses incurred by all directors, trustees, officers, including the CEO/Executive Director, regarding the items checked in line 1a? | 2 Yes | |
| 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 | | |
| <div style="display: flex; justify-content: space-between;"> <div> <input checked="" type="checkbox"/> Compensation committee <input checked="" type="checkbox"/> Independent compensation consultant <input checked="" type="checkbox"/> Form 990 of other organizations </div> <div> <input type="checkbox"/> Written employment contract <input checked="" type="checkbox"/> Compensation survey or study <input checked="" type="checkbox"/> Approval by the board or compensation committee </div> </div> | | |
| 4 During the year, did any person listed on Form 990, Part VII, Section A, line 1a, with respect to the filing organization or a related organization | | |
| a Receive a severance payment or change-of-control payment? | 4a | No |
| b Participate in, or receive payment from, a supplemental nonqualified retirement plan? | 4b | No |
| c Participate in, or receive payment from, an equity-based compensation arrangement? If "Yes" to any of lines 4a-c, list the persons and provide the applicable amounts for each item in Part III | 4c | No |
| Only 501(c)(3), 501(c)(4), and 501(c)(29) organizations must complete lines 5-9. | | |
| 5 For persons listed on Form 990, Part VII, Section A, line 1a, did the organization pay or accrue any compensation contingent on the revenues of | | |
| a The organization? | 5a | No |
| b Any related organization? If "Yes," on line 5a or 5b, describe in Part III | 5b | No |
| 6 For persons listed on Form 990, Part VII, Section A, line 1a, did the organization pay or accrue any compensation contingent on the net earnings of | | |
| a The organization? | 6a | No |
| b Any related organization? If "Yes," on line 6a or 6b, describe in Part III | 6b | No |
| 7 For persons listed on Form 990, Part VII, Section A, line 1a, did the organization provide any nonfixed payments not described in lines 5 and 6? If "Yes," describe in Part III | 7 | No |
| 8 Were any amounts reported on Form 990, Part VII, paid or accrued pursuant to a contract that was subject to the initial contract exception described in Regulations section 53.4958-4(a)(3)? If "Yes," describe in Part III | 8 | No |
| 9 If "Yes" on line 8, did the organization also follow the rebuttable presumption procedure described in Regulations section 53.4958-6(c)? | 9 | |

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

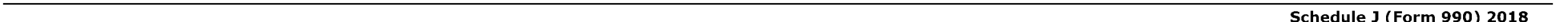
Note. The sum of columns (B)(i)-(iii) for each listed individual must equal the total amount of Form 990, Part VII, Section A, line 1a, applicable column (D) and (E) amounts for that individual.

See Additional Data Table**Schedule J (Form 990) 2018**

Part III Supplemental Information

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

| Return Reference | Explanation |
|------------------|--|
| PART I, LINE 1A | FOR EACH OF THE LISTED BENEFITS PROVIDED TO OR FOR A LISTED PERSON PROVIDE IN PART III RELEVANT INFORMATION REGARDING THESE ITEMS. TYPE OF BENEFIT: FIRST CLASS TRAVEL. THE SOCIETY GENERALLY DOES NOT PAY FOR FIRST CLASS TRAVEL, EXCEPT IN UNUSUAL CASES. ANY FIRST CLASS TRAVEL FOR OFFICIAL ACS BUSINESS MUST BE APPROVED BY THE EXECUTIVE DIRECTOR & CEO. IN 2018, ON SOME OCCASIONS, IT WAS NECESSARY FOR THE ACS TO AUTHORIZE AND PAY FOR FIRST CLASS TICKETS FOR AN ACS OFFICER FOR MEDICAL REASONS AND 3 HIGHEST COMPENSATED EMPLOYEES WHO WERE ON OFFICIAL ACS BUSINESS TRAVEL. NO PORTION OF THIS BENEFIT WAS REPORTED AS TAXABLE COMPENSATION TO THE RECIPIENTS. TYPE OF BENEFIT: HEALTH CLUB FEES. THIS IS A BENEFIT OFFERED TO ALL EMPLOYEES. THERE WERE FOUR LISTED PERSONS WHO ELECTED TO UTILIZE THIS BENEFIT. THE BENEFIT WAS TREATED AS TAXABLE COMPENSATION TO EACH LISTED PERSON. TYPE OF BENEFIT: SOCIAL CLUB DUES. THE ACS PAID FOR SOCIAL CLUB MEMBERSHIP DUES FOR THE THREE STAFF OFFICERS. THE PAYMENTS WERE TREATED AS ORDINARY AND NECESSARY BUSINESS EXPENSES. THE ACS AND THE THREE OFFICERS USED THE CLUB'S FACILITIES TO CONDUCT ACS BUSINESS ACTIVITIES. THE BENEFIT WAS NOT TREATED AS TAXABLE COMPENSATION FOR EACH EMPLOYEE. ACS DOES NOT REIMBURSE EXPENSES INCURRED FOR PERSONAL USE. TYPE OF BENEFIT: TAX INDEMNIFICATION AND GROSS-UP PAYMENTS. IN 2018, ONE HIGHLY COMPENSATED EMPLOYEE WAS PROVIDED FUNDS TO COVER THE TAX LIABILITY (GROSS UP) ON MOVING EXPENSES, WHICH WERE TAXABLE COMPENSATION TO THE EMPLOYEE. |



Additional Data

Software ID:

Software Version:

EIN: 53-0196572

Name: AMERICAN CHEMICAL SOCIETY

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

| (A) Name and Title | | (B) Breakdown of W-2 and/or 1099-MISC compensation | | | (C) Retirement and other deferred compensation | (D) Nontaxable benefits | (E) Total of columns (B)(i)-(D) | (F) Compensation in column (B) reported as deferred on prior Form 990 |
|---|------|--|-------------------------------------|-------------------------------------|--|-------------------------|---------------------------------|---|
| | | (i) Base Compensation | (ii) Bonus & incentive compensation | (iii) Other reportable compensation | | | | |
| DRTHOMAS MCONNELLYJR EXECUTIVE DIRECTOR & CEO | (i) | 730,084 | 270,549 | 14,478 | 24,750 | 31,955 | 1,071,816 | |
| | (ii) | | | | | | | |
| MR BRIAN A BERNSTEIN TREASURER & CFO | (i) | 416,023 | 108,685 | 6,298 | 24,750 | 31,365 | 587,121 | |
| | (ii) | | | | | | | |
| MR FLINT H LEWIS SECRETARY & GENERAL COUNSEL | (i) | 367,542 | 89,543 | 4,131 | 24,750 | 34,516 | 520,482 | |
| | (ii) | | | | | | | |
| MR MANUEL GUZMAN PRESIDENT, CAS | (i) | 758,932 | 294,745 | 4,952 | 24,750 | 30,755 | 1,114,134 | |
| | (ii) | | | | | | | |
| DR BRIAN D CRAWFORD PRESIDENT, PUBLICATIONS | (i) | 558,565 | 229,476 | 7,524 | 24,750 | 25,446 | 845,761 | |
| | (ii) | | | | | | | |
| MR JOHN R SULLIVAN CHIEF INFORMATION OFFICER | (i) | 388,644 | 104,361 | 3,853 | 24,750 | 34,285 | 555,893 | |
| | (ii) | | | | | | | |
| DR MATTHEW J TOUSSANT SVP PRODUCT & CONTENT OPS, CAS | (i) | 461,602 | 146,644 | 14,314 | 24,750 | 21,580 | 668,890 | |
| | (ii) | | | | | | | |
| MR BOLLAMPALLI RAO CTO VP INFO TECH, CAS | (i) | 392,304 | 41,042 | 74,413 | 24,750 | 38,143 | 570,652 | |
| | (ii) | | | | | | | |
| DR MICHAEL DENNIS VP,LEGAL ADM, PMO & INNVTN,CAS | (i) | 337,325 | 101,886 | 1,856 | 24,250 | 30,971 | 496,288 | |
| | (ii) | | | | | | | |
| MR BRANDON NORDIN SVP SALES, MKTG DGT STGY, PUBS | (i) | 310,435 | 105,646 | 3,099 | 24,011 | 21,467 | 464,658 | |
| | (ii) | | | | | | | |
| MR CRAIG STEPHENS SVP, SALES & MARKETING, CAS | (i) | 309,378 | 91,533 | 3,448 | 24,750 | 32,185 | 461,294 | |
| | (ii) | | | | | | | |

Schedule L

(Form 990 or 990-EZ)

Transactions with Interested Persons

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

OMB No 1545-0047

2018

Open to Public Inspection

Department of the Treasury
Internal Revenue Service

Name of the organization
AMERICAN CHEMICAL SOCIETY

Employer identification number
53-0196572

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 |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

2

Enter the amount of tax incurred by 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 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Total | | | | | | ▶ \$ | | | | | | |

Part III

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

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

Part IV Business Transactions Involving Interested Persons.

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

| (a) Name of interested person | (b) Relationship between interested person and the organization | (c) Amount of transaction | (d) Description of transaction | (e) Sharing of organization's revenues? | |
|-------------------------------|---|---------------------------|--------------------------------|---|----|
| | | | | Yes | No |
| (1) JODI WESEMANN | ACS employee and spouse of Dr Wayne E Jones, Jr Director-At-Large | 157,699 | Employment | | No |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Part V Supplemental Information

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

| Return Reference | Explanation |
|------------------|-------------|
|------------------|-------------|

efile GRAPHIC print - DO NOT PROCESS

As Filed Data -

DLN: 93493308009679

SCHEDULE M
(Form 990)

Department of the Treasury
Internal Revenue Service

OMB No 1545-0047

2018

Open to Public Inspection

Noncash Contributions

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

Name of the organization
AMERICAN CHEMICAL SOCIETY

Employer identification number
53-0196572

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 | X | | 13,360 | FMV |
| 5 Clothing and household goods | | | | |
| 6 Cars and other vehicles | | | | |
| 7 Boats and planes | | | | |
| 8 Intellectual property | | | | |
| 9 Securities—Publicly traded | X | 5 | 72,979 | 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 ► (LAB SUPPLIES/EQUIPMENT) | X | 3 | 932 | FMV |
| 26 Other ► (OTHER) | X | 1 | 525 | 0 |
| 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

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 is not required to be used for exempt purposes for the entire holding period?

Yes

No

30a

No

b If "Yes," describe the arrangement in Part II

31

Does the organization have a gift acceptance policy that requires the review of any nonstandard contributions?

Yes

31

32a

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

No

32a

No

b If "Yes," describe in Part II

33

If the organization did not report an amount in column (c) for a type of property for which column (a) is checked, describe in Part II

Part II**Supplemental Information.**

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

Return Reference

Explanation

SCHEDULE O
(Form 990 or 990-EZ)

Department of the Treasury

Name of the organization
AMERICAN CHEMICAL SOCIETY

Supplemental Information to Form 990 or 990-EZ

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

▶ Attach to Form 990 or 990-EZ.

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

OMB No 1545-0047

2018

Open to Public Inspection

Employer identification number

53-0196572

990 Schedule O, Supplemental Information

| Return Reference | Explanation |
|-------------------|---|
| PART III, Line 4D | Other Program Services includes the American Chemical Society (ACS) member insurance program, also known as the ACS Group Life Insurance Trust, which provides members with insurance coverage through group insurance policies Offerings include life, ten - and twenty - year level term life, high limit accidental death and dismemberment, hospital indemnity, disability protection, supplemental health, professional liability, and auto/homeowners insurance |

990 Schedule O, Supplemental Information

| Return Reference | Explanation |
|-------------------------|---|
| PART V, Line 4A & 4B | 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)? YES IF "YES" ENTER THE NAME OF THE FOREIGN COUNTRY INDIA AND THE UNITED KINGDOM IN 2018, THE ACS MAINTAINED BANK ACCOUNTS IN India and the United Kingdom FOR PURPOSES OF COLLECTING REVENUE AND PAYING EXPENSES DENOMINATED IN FOREIGN CURRENCIES |

990 Schedule O, Supplemental Information

| Return Reference | Explanation |
|--|---|
| PART VI, Section A - Governing body and Management line 2 | DID ANY OFFICER, DIRECTOR, TRUSTEE, OR KEY EMPLOYEE HAVE A FAMILY RELATIONSHIP OR A BUSINESS RELATIONSHIP WITH ANY OTHER OFFICER, DIRECTOR, TRUSTEE, OR KEY EMPLOYEE? YES IN 2018, THE FOLLOWING INDIVIDUALS HAD BUSINESS RELATIONSHIPS BY SERVING TOGETHER (IN AN UNPAID CAPACITY) ON THE BOARD OF AN ACS RELATED ORGANIZATION, ACS INTERNATIONAL LTD (ACSI) DR THOMAS CONNELLY JR (ACSI CHAIR OF THE BOARD), MANUEL GUZMAN (ACSI PRESIDENT AND DIRECTOR), AND FLINT LEWIS (ACSI DIRECTOR) BRIAN BERNSTEIN SERVED AS AN ACSI OFFICER (SECRETARY/TREASURER) THEY RECEIVED NO COMPENSATION FOR THEIR SERVICE AS DIRECTOR OR OFFICER OF ACSI IN 2018, THE PRESIDENT-ELECT (DR BONNIE A CHARPENTIER) HAD A FAMILY RELATIONSHIP WITH AN ACS DIRECTOR (DR LEE H LATIMER) |

990 Schedule O, Supplemental Information

| Return Reference | Explanation |
|---------------------|---|
| LINE 6 | <p>DID THE ORGANIZATION HAVE MEMBERS OR STOCKHOLDERS? YES THE AMERICAN CHEMICAL SOCIETY IS A FEDERALLY CHARTERED NOT-FOR-PROFIT CORPORATION WHOSE MEMBERSHIP IS OPEN TO INDIVIDUALS WHO ARE INTERESTED IN THE OBJECTS OF ACS AND WHO MEET THE REQUIREMENTS FOR MEMBERS OR STUDENT MEMBERS, AS PROVIDED IN THE ACS CONSTITUTION AND BYLAWS THE ACS MAY APPROVE FOR MEMBER A PERSON WHO MEETS ANY OF THE REQUIREMENTS FOR FORMAL TRAINING, EXPERIENCE, OR EMPLOYMENT IN A CHEMICAL SCIENCE OR IN A RELATED FIELD OF NATURAL SCIENCE, ENGINEERING, TECHNOLOGY, OR SCIENCE EDUCATION NATURAL SCIENCES ARE THOSE THAT DEAL WITH MATTER, ENERGY, AND THEIR INTERRELATIONSHIPS AND TRANSFORMATIONS THE ACS MAY APPROVE FOR STUDENT MEMBER, A PERSON WHO IS ACTIVELY WORKING TOWARD AN UNDERGRADUATE DEGREE IN A CHEMICAL SCIENCE OR IN A RELATED FIELD OF NATURAL SCIENCE, ENGINEERING, TECHNOLOGY, OR SCIENCE EDUCATION FROM AN APPROPRIATELY ACCREDITED EDUCATIONAL INSTITUTION, OR ONE ACCEPTABLE TO THE ACS IN 2018, THE FOLLOWING CATEGORIES OF MEMBERS HAD THE RIGHT TO ELECT THE MEMBERS OF THE GOVERNING BODY OR THEIR DELEGATES - REGULAR MEMBER - A PERSON THAT HAS A DEGREE OR CERTIFICATION IN CHEMICAL OR RELATED SCIENCES, OR CERTIFICATION AS A TEACHER OF A CHEMICAL SCIENCE - UNDERGRADUATE STUDENT MEMBER - A PERSON ACTIVELY WORKING TOWARD AN UNDERGRADUATE DEGREE IN CHEMISTRY OR IN A RELATED ACADEMIC DISCIPLINE, SHALL BE ENTITLED TO A FIVE-SIXTH DISCOUNT ON DUES AN UNDERGRADUATE STUDENT MEMBER IS ENTITLED TO ALL PRIVILEGES OF MEMBERSHIP EXCEPT THAT OF HOLDING AN ELECTIVE POSITION OF THE ACS, ITS LOCAL SECTIONS, OR ITS DIVISIONS, AND THE PRIVILEGE OF SERVING AS TEMPORARY SUBSTITUTE COUNCILOR</p> |

990 Schedule O, Supplemental Information

| Return Reference | Explanation |
|---------------------|---|
| LINE 7A | <p>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? YES AS DESCRIBED ON LINE 6, ACS MEMBERS, OR THEIR ELECTED MEMBER REPRESENTATIVES ("COUNCILORS") FROM ACS LOCAL SECTIONS AND DIVISIONS, ELECT ACS BOARD MEMBERS ALL ACS MEMBERS BECOME MEMBERS OF ACS DIVISIONS AND LOCAL SECTIONS A DIVISION IS A GROUP OF 50 OR MORE MEMBERS WITH A COMMON INTEREST IN A PARTICULAR FIELD OF SOCIETY INTEREST AUTHORIZED BY THE ACS COUNCIL A LOCAL SECTION IS A GROUP OF 50 OR MORE MEMBERS COVERING A TERRITORY APPROVED BY THE ACS COUNCIL IN 2018, THE ACS HAD 149,209 MEMBERS WHO WERE EITHER A REGULAR MEMBER OR AN UNDERGRADUATE STUDENT MEMBER, WHO ELECT THE ACS PRESIDENT-ELECT IN ADDITION TO THE PRESIDENT-ELECT, THERE ARE TWO EX-OFFICIO VOTING MEMBERS OF THE BOARD OF DIRECTORS THE CURRENT PRESIDENT AND THE MOST RECENT PAST PRESIDENT (BOTH ELECTED BY THE MEMBERSHIP IN PRIOR YEARS) THE SIX DISTRICT DIRECTORS, WHO ALSO SERVE ON THE ACS BOARD, ARE ELECTED BY THE MEMBERS OF THE SIX GEOGRAPHICAL DISTRICTS AS PROVIDED IN THE BYLAWS, FROM WHICH THEY ARE TO SERVE IN ADDITION, THE SIX DIRECTORS-AT-LARGE ARE ELECTED BY THE COUNCIL THE ACS COUNCIL IS COMPOSED OF THE ACS PRESIDENT, THE PRESIDENT-ELECT, THE DIRECTORS, THE PAST PRESIDENTS, THE EXECUTIVE DIRECTOR, THE SECRETARY, AND THE COUNCILORS REPRESENTING ACS DIVISIONS AND LOCAL SECTIONS, ALL OF WHOM SHALL BE KNOWN AS VOTING COUNCILORS, IF MEMBERS OF THE ACS COUNCILORS ARE ELECTED BY DIVISION AND LOCAL SECTION MEMBERS (IN 2018, ACS HAD 32 DIVISIONS AND 185 LOCAL SECTIONS) TWENTY PERCENT OF ELECTED COUNCILORS ARE ELECTED BY DIVISIONS AND 80% ARE ELECTED BY LOCAL SECTIONS</p> |

990 Schedule O, Supplemental Information

| Return Reference | Explanation |
|--|--|
| PART VI, SECTION B - POLICIES, LINE 11B | DESCRIBE IN SCHEDULE O THE PROCESS, IF ANY, USED BY THE ORGANIZATION TO REVIEW THIS FORM 990 THE ACS FORM 990, INCLUDING REQUIRED SCHEDULES AND SUPPORTING DOCUMENTATION, WAS PREPARED BY THE ACS TAX COMPLIANCE AND REPORTING OFFICE (TAX OFFICE) A DETAILED REVIEW OF THE RETURN WAS CONDUCTED BY THE ASSISTANT DIRECTOR, FINANCIAL SERVICES, AND THE DIRECTOR, STRATEGIC FINANCIAL PLANNING THE RETURN WAS THEN REVIEWED BY MEMBERS OF ACS SENIOR MANAGEMENT INCLUDING THE TREASURER & CHIEF FINANCIAL OFFICER, EXECUTIVE VICE PRESIDENT, HUMAN RESOURCES, DIRECTOR OF EXTERNAL AFFAIRS & COMMUNICATION, SECRETARY & GENERAL COUNSEL, AND EXECUTIVE DIRECTOR & CEO IN ADDITION, THE RETURN WAS REVIEWED BY THE SOCIETY'S EXTERNAL TAX ADVISERS, KPMG LLP PRIOR TO THE FILING OF THE RETURN WITH THE INTERNAL REVENUE SERVICE, A COPY OF THE FINAL FORM 990 AND REQUIRED SCHEDULES WAS MADE AVAILABLE TO EACH MEMBER OF THE BOARD OF DIRECTORS AND EACH MEMBER OF THE AUDIT COMMITTEE FOR THEIR REVIEW |

990 Schedule O, Supplemental Information

| Return Reference | Explanation |
|------------------|---|
| LINE 12C | <p>DID THE ORGANIZATION REGULARLY AND CONSISTENTLY MONITOR AND ENFORCE COMPLIANCE WITH THE CONFLICT OF INTEREST POLICY? YES IF "YES", DESCRIBE IN SCHEDULE O HOW THIS IS DONE PURSUANT TO ACS BOARD REGULATIONS, DIRECTORS, OFFICERS, KEY EMPLOYEES, AND MEMBERS OF TWO ACS COMMITTEES AND ONE GOVERNING BOARD (THE COMMITTEE ON BUDGET AND FINANCE, THE COMMITTEE ON EDUCATION AND THE GOVERNING BOARD FOR PUBLISHING) ARE REQUIRED TO ANNUALLY SUBMIT A COMPLETED CONFLICT OF INTEREST DISCLOSURE FORM THE ACS SECRETARY & GENERAL COUNSEL REVIEWS EACH OF THE FORMS (EXCEPT HIS/HER OWN, WHICH IS REVIEWED BY THE EXECUTIVE DIRECTOR & CEO) AND ASSESSES WHETHER AN ACTUAL OR POTENTIAL CONFLICT OF INTEREST EXISTS/MAY EXIST AND WHETHER THE INDIVIDUAL SHOULD REFRAIN FROM CONSIDERATION OF RELATED ITEMS WHENEVER ANY BUSINESS MATTER, WHICH IS TO BE CONSIDERED BY BOARD-RELATED BODIES, OFFICERS, OR KEY EMPLOYEES, INVOLVES ACTIVITIES OR INFORMATION THAT MIGHT DIRECTLY OR INDIRECTLY PLACE A PARTICIPANT IN A SPECIAL CONFLICT OF INTEREST, THEN THE AFFECTED INDIVIDUAL SHALL REFRAIN FROM PARTICIPATING IN THE CONSIDERATION OF, OR ANY VOTING UPON, SUCH MATTER The ACS Policies and Procedures Manual includes a Conflict of Interest policy applicable to all ACS employees Additionally, on an annual basis, ACS employees in key positions are required to read, reaffirm their understanding of the ACS Conflict of Interest Policy, and, if applicable, to submit a completed conflict of interest disclosure form Disclosure forms may be reviewed by a combination of Human Resources, General Counsel, and the employee's management chain, as appropriate, to determine whether an actual or potential conflict of interest exists/may exist and how to relieve any genuine conflict Under ACS policy, a conflict of interest occurs when an employee permits the possibility of gain to himself or his immediate family, or permits others to have influence over his judgment when carrying out duties on behalf of the Society An action may constitute a conflict of interest without being in violation of any laws, rules, or regulations If an employee has questions about outside activities that may conflict with the Society's interests, the employee is required to consult with Human Resources in writing and receives a formal written response</p> |

990 Schedule O, Supplemental Information

| Return Reference | Explanation |
|---------------------|---|
| LINE 15 | <p>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? LINE 15A THE ORGANIZATION'S CEO, EXECUTIVE DIRECTOR, OR TOP MANAGEMENT OFFICIAL - YES LINE 15B OTHER OFFICERS OR KEY EMPLOYEES OF THE ORGANIZATION - YES IF "YES" TO LINE 15A OR 15B, - DESCRIBE THE PROCESS IN SCHEDULE O, - IDENTIFY THE OFFICES OR POSITIONS FOR WHICH THE PROCESS WAS USED TO ESTABLISH COMPENSATION OF THE PERSONS WHO SERVED IN THOSE OFFICES OR POSITIONS, - ENTER THE YEAR IN WHICH THE PROCESS WAS LAST UNDERTAKEN FOR EACH SUCH PERSON</p> <p>The ACS Board of Directors determines the salaries and incentive pay of the organization's Executive Director & CEO, top management officials, other officers, and key employees. The ACS Board of Directors is advised on the salaries and incentive payments for the Executive Director & CEO, officers, top management officials, and key employees by the ACS Committee on Executive Compensation. Members of this Committee include nonpaid ACS members - the ACS President-Elect, the ACS President, the ACS Past President, the Chair of the ACS Budget & Finance Committee, and two ACS members with "expertise in senior and executive staff compensation issues" who are appointed by the ACS Board Chair - as well as the Executive Director & CEO who serves ex officio (non-voting). The Chair of this Committee is appointed by the ACS Board Chair from among the Committee members. In addition, the Committee on Executive Compensation is advised on the salary and incentive payment for the Executive Director & CEO by a Subcommittee of the ACS Board's Executive Committee - the Committee to Review the Executive Director (CRED). Members of this Subcommittee include the ACS Board Chair, the ACS President-Elect, the ACS President, the ACS Immediate Past President (Presidential Succession from performance year) and the longest tenured Board member who is an elected member of the Board's Executive Committee (for performance year under consideration). The Chair of this Subcommittee is the ACS Board Chair. The total cash compensation for ACS's executive positions is regularly benchmarked against comparable executive positions using independently published compensation survey data and independent executive consultants. The salary increases and incentive payments for the Executive Director & CEO, officers, top management officials, and key employees in 2018 were based on the 2017 performance year and were reviewed by the Committee on Executive Compensation and the ACS Board. The Committee and Board voted on these increases and incentives which were documented in the minutes from the Committee and Board meetings. The salary increase and incentive payments for the Executive Director & CEO were also reviewed by the CRED Subcommittee. The written performance reviews and related documentation were provided to the Committee members and the</p> |

990 Schedule O, Supplemental Information

| Return Reference | Explanation |
|---------------------|--|
| LINE 15 | e ACS Board of Directors Salary increases for 2018 for ACS executives were processed in t he first quarter of 2019 |

990 Schedule O, Supplemental Information

| Return Reference | Explanation |
|---|---|
| PART VI, SECTION C - DISCLOSURE, LINE 19 | DESCRIBE IN SCHEDULE O WHETHER (AND IF SO, HOW) THE ORGANIZATION MAKES ITS GOVERNING DOCUMENTS, CONFLICT OF INTEREST POLICY, AND FINANCIAL STATEMENTS AVAILABLE TO THE PUBLIC THE AMERICAN CHEMICAL SOCIETY'S CHARTER, CONSTITUTION, BYLAWS, REGULATIONS, WRITTEN CONFLICT OF INTEREST POLICY CONTAINED WITHIN ITS REGULATIONS, AND AUDITED FINANCIAL STATEMENTS ARE AVAILABLE TO THE PUBLIC THROUGH THE ORGANIZATION'S WEBSITE AT HTTPS //WWW ACS ORG THE ACS HUMAN RESOURCES POLICIES AND PROCEDURES, AVAILABLE ONLY FOR EMPLOYEES AND NOT AVAILABLE TO THE PUBLIC, INCLUDE A WRITTEN CONFLICT OF INTEREST POLICY UNDER THE CODE OF ETHICS POLICY |

990 Schedule O, Supplemental Information

| Return Reference | Explanation |
|---------------------|--|
| Part XI, line 9 | OTHER CHANGES IN NET ASSETS OR FUND BALANCES CHANGE IN PENSION FUNDING STATUS (\$12,541,782) GRANT REFUNDS \$425,257 ADJUSTMENTS TO CONTRIBUTIONS \$5,874 DISSOLUTION OF SUBSIDIARY \$322,811 LINE 9, OTHER CHANGES IN NET ASSETS (\$11,787,840) |

990 Schedule O, Supplemental Information

| Return Reference | Explanation |
|---------------------------------|--|
| FORM 990 PART IX LINE 11G | DESCRIPTION MARKETING FEES TOTAL FEES 52229343 |

990 Schedule O, Supplemental Information

| Return Reference | Explanation |
|---------------------------------|--|
| FORM 990 PART IX LINE 11G | DESCRIPTION EDITORIAL FEES TOTAL FEES 31663159 |

990 Schedule O, Supplemental Information

| Return Reference | Explanation |
|---------------------------------|---|
| FORM 990 PART IX LINE 11G | DESCRIPTION CONSULTING FEES TOTAL FEES 28792870 |

990 Schedule O, Supplemental Information

| Return Reference | Explanation |
|---------------------------------|---|
| FORM 990 PART IX LINE 11G | DESCRIPTION TEMPORARY FEES TOTAL FEES 4067771 |

990 Schedule O, Supplemental Information

| Return Reference | Explanation |
|---------------------------------|--|
| FORM 990 PART IX LINE 11G | DESCRIPTION OTHER PROFESSIONAL SERVICES TOTAL FEES 3849585 |

990 Schedule O, Supplemental Information

| Return Reference | Explanation |
|---------------------------------|--|
| FORM 990 PART IX LINE 11G | DESCRIPTION WRITERS FEES TOTAL FEES 572518 |

990 Schedule O, Supplemental Information

| Return Reference | Explanation |
|---------------------------------|--|
| FORM 990 PART IX LINE 11G | DESCRIPTION SPEAKER FEES TOTAL FEES 467925 |

990 Schedule O, Supplemental Information

| Return Reference | Explanation |
|---------------------------------|---|
| FORM 990 PART IX LINE 11G | DESCRIPTION HONORARIA TOTAL FEES 209255 |

990 Schedule O, Supplemental Information

| Return Reference | Explanation |
|---------------------------------|---|
| FORM 990 PART IX LINE 11G | DESCRIPTION ADMINISTRATIVE FEES TOTAL FEES 161884 |

| | | | | | |
|--------------------------------------|--|---|--|---------------------|--|
| efile GRAPHIC print - DO NOT PROCESS | | As Filed Data - | | DLN: 93493308009679 | |
| SCHEDULE R (Form 990) | Related Organizations and Unrelated Partnerships ▶ Complete if the organization answered "Yes" on Form 990, Part IV, line 33, 34, 35b, 36, or 37. ▶ Attach to Form 990. ▶ Go to www.irs.gov/Form990 for instructions and the latest information. | | | | OMB No 1545-0047 |
| | | | | | 2018 |
| | Department of the Treasury Internal Revenue Service | Name of the organization AMERICAN CHEMICAL SOCIETY | | | Employer identification number 53-0196572 |

| Part I Identification of Disregarded Entities Complete if the organization answered "Yes" on Form 990, Part IV, line 33. | | | | | |
|--|-------------------------|--|---------------------|---------------------------|----------------------------------|
| (a) Name, address, and EIN (if applicable) of disregarded entity | (b) Primary activity | (c) Legal domicile (state or foreign country) | (d) Total income | (e) End-of-year assets | (f) Direct controlling entity |
| | | | | | |
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| Part II Identification of Related Tax-Exempt Organizations Complete if the organization answered "Yes" on Form 990, Part IV, line 34 because it had one or more related tax-exempt organizations during the tax year. | | | | | | | |
|---|-------------------------|--|----------------------------|---|----------------------------------|--|----|
| (a) Name, address, and EIN of related organization | (b) Primary activity | (c) Legal domicile (state or foreign country) | (d) Exempt Code section | (e) Public charity status (if section 501(c)(3)) | (f) Direct controlling entity | (g) Section 512(b)(13) controlled entity? | |
| | | | | | | Yes | No |
| | | | | | | | |
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Part III Identification of Related Organizations Taxable as a Partnership Complete if the organization answered "Yes" on Form 990, Part IV, line 34 because it had one or more related organizations treated as a partnership during the tax year.

| (a) Name, address, and EIN of related organization | (b) Primary activity | (c) Legal domicile (state or foreign country) | (d) Direct controlling entity | (e) Predominant income(related, unrelated, excluded from tax under sections 512- 514) | (f) Share of total income | (g) Share of end-of-year assets | (h) Disproportionate allocations? | | (i) Code V-UBI amount in box 20 of Schedule K-1 (Form 1065) | (j) General or managing partner? | | (k) Percentage ownership |
|--|----------------------------|---|--|--|---------------------------------|--|---|----|--|---|----|--------------------------------|
| | | | | | | | Yes | No | | Yes | No | |
| | | | | | | | | | | | | |
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Part IV Identification of Related Organizations Taxable as a Corporation or Trust Complete if the organization answered "Yes" on Form 990, Part IV, line 34 because it had one or more related organizations treated as a corporation or trust during the tax year.

| (a) Name, address, and EIN of related organization | (b) Primary activity | (c) Legal domicile (state or foreign country) | (d) Direct controlling entity | (e) Type of entity (C corp, S corp, or trust) | (f) Share of total income | (g) Share of end-of- year assets | (h) Percentage ownership | (i) Section 512 (b)(13) controlled entity? | |
|--|-------------------------|---|-------------------------------------|--|---------------------------------|---|--------------------------------|--|----|
| | | | | | | | | Yes | No |
| (1) ACS INTERNATIONAL LTD 1155 16TH ST NW WASHINGTON, DC 20036 52-1916157 | MARKETING | DC | ACS | C CORP | 17,580,641 | 7,077,169 | 100 000 % | Yes | |
| (2) HAMPDEN DATA SERVICES LTD 32A STONEY ST NOTTINGHAM NG1 1LL UK 98-1040114 | SOFTWARE DVLP | UK | ACS | C CORP | 1,523,195 | 0 | 100 000 % | Yes | |
| (3) ACS GROUP LIFE INSURANCE TRUST 1155 16TH ST NW WASHINGTON, DC 20036 23-7093797 | INSURANCE | DC | ACS | GRANTOR TRUST | 13,209,528 | 38,792,445 | 100 000 % | Yes | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Part V Transactions With Related Organizations Complete if the organization answered "Yes" on Form 990, Part IV, line 34, 35b, or 36.**Note.** Complete line 1 if any entity is listed in Parts II, III, or IV of this schedule**1** During the tax year, did the organization engage in any of the following transactions with one or more related organizations listed in Parts II-IV?

| | Yes | No |
|--|-----|----|
| a Receipt of (i) interest, (ii) annuities, (iii) royalties, or (iv) rent from a controlled entity | | No |
| b Gift, grant, or capital contribution to related organization(s) | | No |
| c Gift, grant, or capital contribution from related organization(s) | Yes | |
| d Loans or loan guarantees to or for related organization(s) | | No |
| e Loans or loan guarantees by related organization(s) | | No |
| f Dividends from related organization(s) | | No |
| g Sale of assets to related organization(s) | | No |
| h Purchase of assets from related organization(s) | | No |
| i Exchange of assets with related organization(s) | | No |
| j Lease of facilities, equipment, or other assets to related organization(s) | | No |
| k Lease of facilities, equipment, or other assets from related organization(s) | | No |
| l Performance of services or membership or fundraising solicitations for related organization(s) | Yes | |
| m Performance of services or membership or fundraising solicitations by related organization(s) | Yes | |
| n Sharing of facilities, equipment, mailing lists, or other assets with related organization(s) | Yes | |
| o Sharing of paid employees with related organization(s) | Yes | |
| p Reimbursement paid to related organization(s) for expenses | | No |
| q Reimbursement paid by related organization(s) for expenses | | No |
| r Other transfer of cash or property to related organization(s) | | No |
| s Other transfer of cash or property from related organization(s) | Yes | |

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

| (a) Name of related organization | (b) Transaction type (a-s) | (c) Amount involved | (d) Method of determining amount involved |
|-------------------------------------|----------------------------------|------------------------|--|
| (1) ACS INTERNATIONAL LTD | M | 17,545,973 | FMV |
| (2) HAMPDEN DATA SERVICES LTD | M | 1,463,216 | FMV |
| (3) HAMPDEN DATA SERVICES LTD | S | 387,707 | FMV |
| (4) ACS GROUP LIFE INSURANCE TRUST | C | 750,000 | FMV |
| (5) ACS GROUP LIFE INSURANCE TRUST | L | 679,897 | FMV |
| | | | |

Provide the following information for each entity taxed as a partnership through which the organization conducted more than five percent of its activities (measured by total assets or gross revenue) that was not a related organization. See instructions regarding exclusion for certain investment partnerships.

[illegible]

Part VII **Supplemental Information**

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

| Return Reference | Explanation |
|------------------|---|
| PART IV, LINE 3 | ACS GROUP LIFE INSURANCE TRUST (EIN 23-7093797) IS A WHOLLY-OWNED GRANTOR TRUST AND, AS SUCH, IS NOT CONSIDERED A SEPARATE TAXABLE ENTITY. ALL ACTIVITIES OF THE TRUST ARE CONSOLIDATED WITH THE TAX RETURNS OF THE AMERICAN CHEMICAL SOCIETY FOR TAX PURPOSES. |

| Return Reference | Explanation |
|---------------------|--|
| Part IV, Line 2 (g) | AT THE END OF 2018, HAMPDEN DATA SERVICES LIMITED HAD ZERO TOTAL ASSETS HAMPDEN DATA SERVICES WAS DISSOLVED EFFECTIVE OCTOBER 31, 2018 THE REMAINING ASSETS OF \$322,811 WERE TRANSFERED FULLY TO AMERICAN CHEMICAL SOCIETY UPON DISSOLUTION |

