

Tax Exempt Entity Declaration and Signature for Electronic Filing

For calendar year 2021, or tax year beginning _____, 2021, and ending _____, 20_____

2021

Department of the Treasury
Internal Revenue Service

For use with Forms 990, 990-EZ, 990-PF, 990-T, 1120-POL, 4720, 8868, 5227, 5330, and 8038-CP

Go to www.irs.gov/Form8453TE for the latest information.

Name of filer

EIN or SSN

AMERICAN CHEMICAL SOCIETY

53-0196572

Part I Type of Return and Return Information

Check the box for the type of return being filed with Form 8453-TE and enter the applicable amount, if any, from the return. Form 8038-CP and Form 5330 filers may enter dollars and cents. For all other forms, enter whole dollars only. If you check the box on line 1a, 2a, 3a, 4a, 5a, 6a, 7a, 8a, 9a, or 10a below, and the amount on that line of the return being filed with this form was blank, then leave line 1b, 2b, 3b, 4b, 5b, 6b, 7b, 8b, 9b, or 10b, whichever is applicable, blank (do not enter -0-). If you entered -0- on the return, then enter -0- on the applicable line below. Do not complete more than one line in Part I.

1a	Form 990 check here	<input checked="" type="checkbox"/>	b Total revenue, if any (Form 990, Part VIII, column (A), line 12)	1b	851,256,692
2a	Form 990-EZ check here	<input type="checkbox"/>	b Total revenue, if any (Form 990-EZ, line 9)	2b	
3a	Form 1120-POL check here	<input type="checkbox"/>	b Total tax (Form 1120-POL, line 22)	3b	
4a	Form 990-PF check here	<input type="checkbox"/>	b Tax based on investment income (Form 990-PF, Part V, line 5)	4b	
5a	Form 8868 check here	<input type="checkbox"/>	b Balance due (Form 8868, line 3c)	5b	
6a	Form 990-T check here	<input type="checkbox"/>	b Total tax (Form 990-T, Part III, line 4)	6b	
7a	Form 4720 check here	<input type="checkbox"/>	b Total tax (Form 4720, Part III, line 1)	7b	
8a	Form 5227 check here	<input type="checkbox"/>	b FMV of assets at end of tax year (Form 5227, Item D)	8b	
9a	Form 5330 check here	<input type="checkbox"/>	b Tax due (Form 5330, Part II, line 19)	9b	
10a	Form 8038-CP check here	<input type="checkbox"/>	b Amount of credit payment requested (Form 8038-CP, Part III, line 22)	10b	

Part II Declaration of Officer or Person Subject to Tax

- 11a I authorize the U.S. Treasury and its designated Financial Agent to initiate an Automated Clearing House (ACH) electronic funds withdrawal (direct debit) entry to the financial institution account indicated in the tax preparation software for payment of the federal taxes owed on this return, and the financial institution to debit the entry to this account. To revoke a payment, I must contact the U.S. Treasury Financial Agent at 1-888-353-4537 no later than 2 business days prior to the payment (settlement) date. I also authorize the financial institutions involved in the processing of the electronic payment of taxes to receive confidential information necessary to answer inquiries and resolve issues related to the payment.
- b If a copy of this return is being filed with a state agency(ies) regulating charities as part of the IRS Fed/State program, I certify that I executed the electronic disclosure consent contained within this return allowing disclosure by the IRS of this Form 990/990-EZ/990-PF (as specifically identified in Part I above) to the selected state agency(ies).

Under penalties of perjury, I declare that I am an officer of the above named entity or I am the person subject to tax with respect to (name of entity) _____, (EIN) _____, and that I have examined a copy of the 2021 electronic return and accompanying schedules and statements, and, to the best of my knowledge and belief, they are true, correct, and complete. I further declare that the amount in Part I above is the amount shown on the copy of the electronic return. I consent to allow my intermediate service provider, transmitter, or electronic return originator (ERO) to send the return to the IRS and to receive from the IRS (a) an acknowledgement of receipt or reason for rejection of the transmission, (b) the reason for any delay in processing the return or refund, and (c) the date of any refund.


Sign Here  | 11/14/2022 | **TREASURER & CFO**
Signature of officer or person subject to tax | Date | Title, if applicable

Part III Declaration of Electronic Return Originator (ERO) and Paid Preparer (see instructions)

I declare that I have reviewed the above return and that the entries on Form 8453-TE are complete and correct to the best of my knowledge. If I am only a collector, I am not responsible for reviewing the return and only declare that this form accurately reflects the data on the return. The entity officer or person subject to tax will have signed this form before I submit the return. I will give a copy of all forms and information to be filed with the IRS to the officer or person subject to tax, and have followed all other requirements in Pub. 4163, Modernized e-File (MeF) Information for Authorized IRS e-file Providers for Business Returns. If I am also the Paid Preparer, under penalties of perjury I declare that I have examined the above return and accompanying schedules and statements, and, to the best of my knowledge and belief, they are true, correct, and complete. This Paid Preparer declaration is based on all information of which I have any knowledge.

ERO's Use Only	ERO's signature	Date	Check if also paid preparer <input type="checkbox"/>	Check if self-employed <input type="checkbox"/>	ERO's SSN or PTIN
	Firm's name (or yours if self-employed), address, and ZIP code				EIN Phone no.

Under penalties of perjury, I declare that I have examined the above return and accompanying schedules and statements, and, to the best of my knowledge and belief, they are true, correct, and complete. Declaration of preparer is based on all information of which the preparer has any knowledge.

Paid Preparer Use Only	Print/Type preparer's name	Preparer's signature	Date	Check if self-employed <input type="checkbox"/>	PTIN
	JONATHAN LIST		11/14/2022		P01679255
	Firm's name ▶ KPMG LLP			Firm's EIN ▶	13-5565207
	Firm's address ▶ 8350 BROAD STREET SUITE 900 MCLEAN VA 22102			Phone no.	(703) 286-8000

Return of Organization Exempt From Income Tax

Form 990

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

2021

Department of the Treasury Internal Revenue Service

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.

Open to Public Inspection

Form 990 header section including: A For the 2021 calendar year, or tax year beginning and ending; B Check if applicable; C Name of organization; D Employer identification number; E Telephone number; F Name and address of principal officer; G Gross receipts; H(a) Is this a group return for subordinates?; H(b) Are all subordinates included?; I Tax-exempt status; J Website; K Form of organization; L Year of formation; M State of legal domicile.

Part I Summary

Table with 3 main columns: Activities & Governance, Revenue, Expenses, and Net Assets or Fund Balances. Rows include mission statement, member counts, revenue breakdown, expenses, and asset/liability totals.

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.

Signature block section including: Sign Here (Signature of officer, Date, Type or print name and title); Paid Preparer Use Only (Print/Type preparer's name, Preparer's signature, Date, Check self-employed, PTIN, Firm's name, Firm's EIN, Firm's address, Phone no.).

May the IRS discuss this return with the preparer shown above? See instructions [X] Yes [] No

For Paperwork Reduction Act Notice, see the separate instructions. Form 990 (2021)

Part III Statement of Program Service Accomplishments

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

1 Briefly describe the organization's mission:

THE 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 \$ 471,377,282. including grants of \$) (Revenue \$ 626,100,009.)
SEE SCHEDULE O

4b (Code:) (Expenses \$ 47,484,385. including grants of \$ 6,356,668.) (Revenue \$ 7,457,678.)
SEE SCHEDULE O

4c (Code:) (Expenses \$ 10,727,388. including grants of \$ 8,665,194.) (Revenue \$)
SEE SCHEDULE O

4d Other program services (Describe on Schedule O.)
(Expenses \$ 13,472,436. including grants of \$) (Revenue \$ 12,346,129.)

4e Total program service expenses ▶ 543,061,491.

Part IV Checklist of Required Schedules

Table with 3 columns: Question ID, Question Text, Yes, No. Rows include questions 1 through 21 regarding organizational requirements and reporting.

Part IV Checklist of Required Schedules (continued)

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

Part V Statements Regarding Other IRS Filings and Tax Compliance

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

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

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

Table with columns for question number, question text, and Yes/No columns. Includes rows for employee counts (2a), federal employment tax returns (2b), unrelated business gross income (3a), foreign accounts (4a), prohibited tax shelter transactions (5a-5c), annual gross receipts (6a-6b), deductible contributions (7a-7h), sponsoring organizations (8-9), and various other IRS filing requirements (10-17).

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

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

Section A. Governing Body and Management

Table with 3 columns: Question, Yes, No. Rows include: 1a (15), 1b (14), 2 (X), 3 (X), 4 (X), 5 (X), 6 (X), 7a (X), 7b (X), 8a (X), 8b (X), 9 (X).

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

Table with 3 columns: Question, Yes, No. Rows include: 10a (X), 10b (X), 11a (X), 12a (X), 12b (X), 12c (X), 13 (X), 14 (X), 15a (X), 15b (X), 16a (X), 16b (X).

Section C. Disclosure

- 17 List the states with which a copy of this Form 990 is required to be filed SEE SCHEDULE O
18 Section 6104 requires an organization to make its Forms 1023 (1024 or 1024-A, if applicable), 990, and 990-T (section 501(c) (3)s only) available for public inspection. Indicate how you made these available. Check all that apply.
[X] Own website [] Another's website [X] Upon request [] Other (explain on Schedule O)
19 Describe on 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, N.W. WASHINGTON, DC 20036
202-872-4596

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

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

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

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

- List all of the organization's **current** officers, directors, trustees (whether individuals or organizations), regardless of amount of compensation. Enter -0- in columns (D), (E), and (F) if no compensation was paid.
 - List all of the organization's **current** key employees, if any. See the 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, Form 1099-MISC, and/or box 1 of Form 1099-NEC) of more than \$100,000 from the organization and any related organizations.
 - List all of the organization's **former** officers, key employees, and highest compensated employees who received more than \$100,000 of reportable compensation from the organization and any related organizations.
 - List all of the organization's **former directors or trustees** that received, in the capacity as a former director or trustee of the organization, more than \$10,000 of reportable compensation from the organization and any related organizations.
- See the instructions for the order in which to list the persons above.

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

(A) Name and title	(B) Average hours per week (list any hours for related organizations below dotted line)	(C) Position (do not check more than one box, unless person is both an officer and a director/trustee)						(D) Reportable compensation from the organization (W-2/1099-MISC/1099-NEC)	(E) Reportable compensation from related organizations (W-2/1099-MISC/1099-NEC)	(F) Estimated amount of other compensation from the organization and related organizations
		Individual trustee or director	Institutional trustee	Officer	Key employee	Highest compensated employee	Former			
(1) MR. MANUEL GUZMAN PRESIDENT, CAS	40.00 2.00				X			1,186,967.	NONE	63,403.
(2) DR. THOMAS M. CONNELLY, JR. CHIEF EXECUTIVE OFFICER	40.00 0.50	X		X				1,141,030.	NONE	63,285.
(3) MR. BRANDON NORDIN SVP SALES, MKTG DGT STGY PUBS	40.00 2.00					X		703,482.	NONE	42,199.
(4) DR. JAMES MILNE PRESIDENT, ACS PUBS	40.00 1.00				X			NONE	668,167.	45,710.
(5) MR. BOLLAMPALLI RAO CTO VP INFO TECH, CAS	40.00 1.50					X		588,394.	NONE	67,087.
(6) MR. ALBERT HORVATH TREASURER & CFO	40.00 1.00			X				582,021.	NONE	50,979.
(7) MR. JOHN R. SULLIVAN CHIEF INFORMATION OFFICER	40.00 NONE				X			552,017.	NONE	64,414.
(8) MR. FLINT H. LEWIS SECRETARY & GENERAL COUNSEL	40.00 2.00			X				532,533.	NONE	51,758.
(9) MR. CRAIG STEPHENS SVP SALES & MARKETING, CAS	40.00 3.00					X		502,224.	NONE	64,285.
(10) DR. MICHAEL DENNIS VP, LEGAL ADM, PMO & INNVTN, CAS	40.00 1.00					X		505,130.	NONE	60,686.
(11) MR. ERIC R. KIMBALL VP FINANCE, CAS	40.00 0.50					X		502,080.	NONE	44,368.
(12) DR. WAYNE E. JONES, JR. DIRECTOR-AT-LARGE	10.00 NONE	X						3,500.	NONE	NONE
(13) DR. PAUL W. JAGODZINSKI CHAIR & DIRECTOR, DISTRICT VI	20.00 NONE	X		X				NONE	NONE	NONE
(14) DR. H. N. CHENG PRESIDENT	20.00 NONE	X		X				NONE	NONE	NONE

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			
(15) DR. ANGELA K. WILSON PRESIDENT-ELECT	10.00 NONE	X		X			NONE	NONE	NONE	
(16) DR. LUIS A. ECHEGOYEN IMMEDIATE PAST PRESIDENT	10.00 NONE	X		X			NONE	NONE	NONE	
(17) DR. KATHERINE L. LEE DIRECTOR, DISTRICT I	10.00 NONE	X					NONE	NONE	NONE	
(18) DR. CHRISTINA BODUROW DIRECTOR, DISTRICT II	10.00 NONE	X					NONE	NONE	NONE	
(19) DR. TERI QUINN GRAY DIRECTOR, DISTRICT III	10.00 NONE	X					NONE	NONE	NONE	
(20) MS. LISA HOUSTON DIRECTOR, DISTRICT IV	10.00 NONE	X					NONE	NONE	NONE	
(21) DR. JOHN E. ADAMS DIRECTOR, DISTRICT V	10.00 NONE	X					NONE	NONE	NONE	
(22) DR. BRYAN BALAZS DIRECTOR-AT-LARGE	10.00 NONE	X					NONE	NONE	NONE	
(23) DR. LEE H. LATIMER DIRECTOR-AT-LARGE	10.00 NONE	X					NONE	NONE	NONE	
(24) DR. INGRID MONTES DIRECTOR-AT-LARGE	10.00 NONE	X					NONE	NONE	NONE	
(25) DR. DOROTHY J. PHILLIPS DIRECTOR-AT-LARGE	10.00 NONE	X					NONE	NONE	NONE	
1b Sub-total							6,799,378.	668,167.	618,174.	
c Total from continuation sheets to Part VII, Section A							NONE	NONE	NONE	
d Total (add lines 1b and 1c)							6,799,378.	668,167.	618,174.	

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 ▶ 781

	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>	3	
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>	4	
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>	5	

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

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

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			
(26) DR. CAROLYN RIBES DIRECTOR-AT-LARGE	<u>10.00</u> NONE	X						NONE	NONE	NONE
1b Sub-total										
c Total from continuation sheets to Part VII, Section A										
d Total (add lines 1b and 1c)										

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 ▶

	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>		X
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>	X	
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>		X

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
SEE SCHEDULE O		

2 Total number of independent contractors (including but not limited to those listed above) who received more than \$100,000 in compensation from the organization ▶ 173

Part VIII Statement of Revenue

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

			(A) Total revenue	(B) Related or exempt function revenue	(C) Unrelated business revenue	(D) Revenue excluded from tax under sections 512-514	
Contributions, Gifts, Grants and Other Similar Amounts	1a	Federated campaigns					
	1b	Membership dues					
	1c	Fundraising events					
	1d	Related organizations					
	1e	Government grants (contributions) . .	626,081.				
	1f	All other contributions, gifts, grants, and similar amounts not included above .	4,519,249.				
	1g	Noncash contributions included in lines 1a-1f	\$ 123,390.				
	h	Total. Add lines 1a-1f	5,145,330.				
	Program Service Revenue	2a	INFORMATION SERVICES	541800	626,100,009.	616,777,229.	9,322,780.
b		EDUCATION & MEMBERSHIP	541800	7,457,678.	4,749,121.	173,520.	
c		MEMBER INSURANCE PROGRAM	525920	12,020,046.		12,020,046.	
d							
e							
f		All other program service revenue					
g		Total. Add lines 2a-2f		645,577,733.			
Other Revenue		3	Investment income (including dividends, interest, and other similar amounts)		29,641,617.		65,680.
	4	Income from investment of tax-exempt bond proceeds .		NONE			
	5	Royalties		2,495,162.		2,495,162.	
	6a	Gross rents	(i) Real	3,942.			
			(ii) Personal	NONE			
			6b	Less: rental expenses	5,203.		
	6c	Rental income or (loss)	-1,261.				
	d	Net rental income or (loss)		-1,261.	-1,261.		
	7a	Gross amount from sales of assets other than inventory	(i) Securities	227,950,124.			
			(ii) Other				
			7b	Less: cost or other basis and sales expenses . .	59,879,356.		
	7c	Gain or (loss)	168,070,768.				
	d	Net gain or (loss)		168,070,767.		168,070,767.	
	8a	Gross income from fundraising events (not including \$ _____ of contributions reported on line 1c). See Part IV, line 18					
			8b	Less: direct expenses			
c			Net income or (loss) from fundraising events		NONE		
9a	Gross income from gaming activities. See Part IV, line 19						
		9b	Less: direct expenses				
		c	Net income or (loss) from gaming activities		NONE		
10a	Gross sales of inventory, less returns and allowances						
		10b	Less: cost of goods sold				
		c	Net income or (loss) from sales of inventory		NONE		
Miscellaneous Revenue	11a	MISCELLANEOUS REVENUE	900099	327,344.	327,344.		
	b						
	c						
	d	All other revenue					
	e	Total. Add lines 11a-11d		327,344.			
12	Total revenue. See instructions		851,256,692.	621,852,433.	21,582,026.	202,676,903.	

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 X

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	12,232,845.	12,232,845.		
2 Grants and other assistance to domestic individuals. See Part IV, line 22	1,975,835.	1,975,835.		
3 Grants and other assistance to foreign organizations, foreign governments, and foreign individuals. See Part IV, lines 15 and 16	813,182.	813,182.		
4 Benefits paid to or for members	NONE			
5 Compensation of current officers, directors, trustees, and key employees	5,005,784.	1,967,747.	3,038,037.	
6 Compensation not included above to disqualified persons (as defined under section 4958(f)(1)) and persons described in section 4958(c)(3)(B)	NONE			
7 Other salaries and wages	213,322,718.	188,036,803.	24,346,969.	938,946.
8 Pension plan accruals and contributions (include section 401(k) and 403(b) employer contributions)	18,770,094.	5,705,792.	13,040,565.	23,737.
9 Other employee benefits	34,035,271.	42,599,086.	-8,743,512.	179,697.
10 Payroll taxes	15,294,759.	13,685,640.	1,552,390.	56,729.
11 Fees for services (nonemployees):				
a Management	NONE			
b Legal	1,521,211.	495,186.	1,010,487.	15,538.
c Accounting	524,284.	18,000.	506,284.	
d Lobbying	NONE			
e Professional fundraising services. See Part IV, line 17	NONE			
f Investment management fees	84,576.	79,576.		5,000.
g Other. (If line 11g amount exceeds 10% of line 25, column (A), amount, list line 11g expenses on Schedule O.)	SEE SCHE O 142,424,571.	138,855,739.	3,480,642.	88,190.
12 Advertising and promotion	16,206,952.	16,005,910.	201,042.	
13 Office expenses	3,941,458.	3,401,231.	482,259.	57,968.
14 Information technology	45,136,564.	33,599,385.	11,450,625.	86,554.
15 Royalties	5,016,978.	5,016,978.		
16 Occupancy	9,108,138.	6,815,141.	2,289,123.	3,874.
17 Travel	661,828.	304,469.	356,978.	381.
18 Payments of travel or entertainment expenses for any federal, state, or local public officials	NONE			
19 Conferences, conventions, and meetings	5,639,028.	5,572,752.	66,276.	
20 Interest	2,305,791.		2,305,791.	
21 Payments to affiliates	NONE			
22 Depreciation, depletion, and amortization	34,506,994.	27,670,165.	6,836,829.	
23 Insurance	460,896.	56,725.	404,171.	
24 Other expenses. Itemize expenses not covered above. (List miscellaneous expenses on line 24e. If line 24e amount exceeds 10% of line 25, column (A), amount, list line 24e expenses on Schedule O.)				
a PREMIUM	11,645,711.	11,645,711.		
b LIBRARY	13,677,231.	13,332,988.	341,773.	2,470.
c PUBLICATION AND DISTRIBUTION	4,481,673.	4,551,087.	-69,414.	
d EMPL TRAIN/DEV/RECRUITMENT	3,192,546.	2,032,734.	1,159,376.	436.
e All other expenses	5,080,839.	6,590,784.	-1,519,481.	9,536.
25 Total functional expenses. Add lines 1 through 24e	607,067,757.	543,061,491.	62,537,210.	1,469,056.
26 Joint costs. Complete this line only if the organization reported in column (B) joint costs from a combined educational campaign and fundraising solicitation. Check here <input type="checkbox"/> if following SOP 98-2 (ASC 958-720)				

Part X Balance Sheet

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

		(A) Beginning of year		(B) End of year
Assets	1 Cash - non-interest-bearing	74,364,674.	1	83,231,829.
	2 Savings and temporary cash investments	52,525.	2	52,511.
	3 Pledges and grants receivable, net	4,188,256.	3	3,519,504.
	4 Accounts receivable, net	46,158,062.	4	53,484,093.
	5 Loans and other receivables from any current or former officer, director, trustee, key employee, creator or founder, substantial contributor, or 35% controlled entity or family member of any of these persons	NONE	5	NONE
	6 Loans and other receivables from other disqualified persons (as defined under section 4958(f)(1)), and persons described in section 4958(c)(3)(B)	NONE	6	NONE
	7 Notes and loans receivable, net	NONE	7	NONE
	8 Inventories for sale or use	84,218.	8	51,276.
	9 Prepaid expenses and deferred charges	43,447,322.	9	32,936,464.
	10a Land, buildings, and equipment: cost or other basis. Complete Part VI of Schedule D	10a 458,714,951.		
	b Less: accumulated depreciation	10b 330,934,095.	133,260,247.	10c 127,780,856.
	11 Investments - publicly traded securities	1,349,108,988.	11	1,490,031,889.
	12 Investments - other securities. See Part IV, line 11	137,658,244.	12	175,122,868.
	13 Investments - program-related. See Part IV, line 11	NONE	13	NONE
	14 Intangible assets	NONE	14	NONE
	15 Other assets. See Part IV, line 11	14,013,253.	15	16,375,128.
16 Total assets. Add lines 1 through 15 (must equal line 33)	1,802,335,789.	16	1,982,586,418.	
Liabilities	17 Accounts payable and accrued expenses	83,984,947.	17	89,681,513.
	18 Grants payable	3,703,659.	18	1,244,852.
	19 Deferred revenue	148,196,630.	19	145,545,255.
	20 Tax-exempt bond liabilities	NONE	20	NONE
	21 Escrow or custodial account liability. Complete Part IV of Schedule D	NONE	21	NONE
	22 Loans and other payables to any current or former officer, director, trustee, key employee, creator or founder, substantial contributor, or 35% controlled entity or family member of any of these persons	NONE	22	NONE
	23 Secured mortgages and notes payable to unrelated third parties	NONE	23	NONE
	24 Unsecured notes and loans payable to unrelated third parties	60,337,367.	24	60,346,200.
	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	76,628,152.	25	67,416,403.
	26 Total liabilities. Add lines 17 through 25	372,850,755.	26	364,234,223.
Net Assets or Fund Balances	Organizations that follow FASB ASC 958, check here <input checked="" type="checkbox"/> and complete lines 27, 28, 32, and 33.			
	27 Net assets without donor restrictions	586,953,321.	27	727,639,429.
	28 Net assets with donor restrictions	842,531,713.	28	890,712,766.
	Organizations that do not follow FASB ASC 958, check here <input type="checkbox"/> and complete lines 29 through 33.			
	29 Capital stock or trust principal, or current funds		29	
	30 Paid-in or capital surplus, or land, building, or equipment fund		30	
	31 Retained earnings, endowment, accumulated income, or other funds		31	
	32 Total net assets or fund balances	1,429,485,034.	32	1,618,352,195.
33 Total liabilities and net assets/fund balances	1,802,335,789.	33	1,982,586,418.	

Part XI Reconciliation of Net Assets

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

1	Total revenue (must equal Part VIII, column (A), line 12)	1	851,256,692.
2	Total expenses (must equal Part IX, column (A), line 25)	2	607,067,757.
3	Revenue less expenses. Subtract line 2 from line 1	3	244,188,935.
4	Net assets or fund balances at beginning of year (must equal Part X, line 32, column (A))	4	1,429,485,034.
5	Net unrealized gains (losses) on investments	5	-41,477,259.
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 on Schedule O)	9	-13,844,515.
10	Net assets or fund balances at end of year. Combine lines 3 through 9 (must equal Part X, line 32, column (B))	10	1,618,352,195.

Part XII Financial Statements and Reporting

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

- 1** Accounting method used to prepare the Form 990: Cash Accrual Other _____
If the organization changed its method of accounting from a prior year or checked "Other," explain on Schedule O.
- 2a** Were the organization's financial statements compiled or reviewed by an independent accountant?
If "Yes," check a box below to indicate whether the financial statements for the year were compiled or reviewed on a separate basis, consolidated basis, or both:
 Separate basis Consolidated basis Both consolidated and separate basis
- b** Were the organization's financial statements audited by an independent accountant?
If "Yes," check a box below to indicate whether the financial statements for the year were audited on a separate basis, consolidated basis, or both:
 Separate basis Consolidated basis Both consolidated and separate basis
- c** If "Yes" to line 2a or 2b, does the organization have a committee that assumes responsibility for oversight of the audit, review, or compilation of its financial statements and selection of an independent accountant?
If the organization changed either its oversight process or selection process during the tax year, explain on Schedule O.
- 3a** As a result of a federal award, was the organization required to undergo an audit or audits as set forth in the Single Audit Act and OMB Circular A-133?
- b** If "Yes," did the organization undergo the required audit or audits? If the organization did not undergo the required audit or audits, explain why on Schedule O and describe any steps taken to undergo such audits . . .

	Yes	No
2a		X
2b	X	
2c	X	
3a		X
3b		

Form **990** (2021)

**SCHEDULE A
(Form 990)**

Department of the Treasury
Internal Revenue Service

Public Charity Status and Public Support

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

▶ Attach to Form 990 or Form 990-EZ.

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

OMB No. 1545-0047

2021

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

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

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

Schedule A (Form 990) 2021

JSA
1E1210 1.000

Part II Support Schedule for Organizations Described in Sections 170(b)(1)(A)(iv) and 170(b)(1)(A)(vi)
(Complete only if you checked the box on line 5, 7, or 8 of Part I or if the organization failed to qualify under Part III. If the organization fails to qualify under the tests listed below, please complete Part III.)

Section A. Public Support

Table with 7 columns: (a) 2017, (b) 2018, (c) 2019, (d) 2020, (e) 2021, (f) Total. Rows include: 1 Gifts, grants, contributions, and membership fees received; 2 Tax revenues levied for the organization's benefit; 3 The value of services or facilities furnished by a governmental unit; 4 Total. Add lines 1 through 3; 5 The portion of total contributions by each person; 6 Public support. Subtract line 5 from line 4.

Section B. Total Support

Table with 7 columns: (a) 2017, (b) 2018, (c) 2019, (d) 2020, (e) 2021, (f) Total. Rows include: 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; 10 Other income. Do not include gain or loss from the sale of capital assets; 11 Total support. Add lines 7 through 10; 12 Gross receipts from related activities, etc. (see instructions); 13 First 5 years. If the Form 990 is for the organization's first, second, third, fourth, or fifth tax year as a section 501(c)(3) organization, check this box and stop here.

Section C. Computation of Public Support Percentage

Table with 3 columns: Line number, Description, and Percentage. Rows include: 14 Public support percentage for 2021; 15 Public support percentage from 2020 Schedule A, Part II, line 14; 16a 33 1/3% support test - 2021; 16b 33 1/3% support test - 2020; 17a 10%-facts-and-circumstances test - 2021; 17b 10%-facts-and-circumstances test - 2020; 18 Private foundation.

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) 2017	(b) 2018	(c) 2019	(d) 2020	(e) 2021	(f) Total
1 Gifts, grants, contributions, and membership fees received. (Do not include any "unusual grants.")	SEE SUPP PAGE 4,697,411.	3,878,073.	4,185,288.	6,907,370.	5,145,330.	24,813,472.
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	512,273,329.	545,383,859.	567,464,676.	587,531,954.	624,061,387.	2,836,715,205.
3 Gross receipts from activities that are not an unrelated trade or business under section 513						NONE
4 Tax revenues levied for the organization's benefit and either paid to or expended on its behalf						NONE
5 The value of services or facilities furnished by a governmental unit to the organization without charge						NONE
6 Total. Add lines 1 through 5.	516,970,740.	549,261,932.	571,649,964.	594,439,324.	629,206,717.	2,861,528,677.
7a Amounts included on lines 1, 2, and 3 received from disqualified persons						NONE
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						NONE
c Add lines 7a and 7b.						NONE
8 Public support. (Subtract line 7c from line 6.)						2,861,528,677.

Section B. Total Support

Calendar year (or fiscal year beginning in) ▶	(a) 2017	(b) 2018	(c) 2019	(d) 2020	(e) 2021	(f) Total
9 Amounts from line 6.	516,970,740.	549,261,932.	571,649,964.	594,439,324.	629,206,717.	2,861,528,677.
10a Gross income from interest, dividends, payments received on securities loans, rents, royalties, and income from similar sources	23,941,294.	29,557,100.	32,011,647.	30,100,773.	32,075,041.	147,685,855.
b Unrelated business taxable income (less section 511 taxes) from businesses acquired after June 30, 1975						NONE
c Add lines 10a and 10b	23,941,294.	29,557,100.	32,011,647.	30,100,773.	32,075,041.	147,685,855.
11 Net income from unrelated business activities not included in line 10b, whether or not the business is regularly carried on.	NONE	NONE	NONE	NONE	NONE	NONE
12 Other income. Do not include gain or loss from the sale of capital assets (Explain in Part VI.)	53,258.	268,811.	248,307.	156,759.	327,344.	1,054,479.
13 Total support. (Add lines 9, 10c, 11, and 12.)	540,965,292.	579,087,843.	603,909,918.	624,696,856.	661,609,102.	3,010,269,011.

14 First 5 years. If the Form 990 is for the organization's first, second, third, fourth, or fifth tax year as a section 501(c)(3) organization, check this box and **stop here**

Section C. Computation of Public Support Percentage

15 Public support percentage for 2021 (line 8, column (f), divided by line 13, column (f))	15	95.06%
16 Public support percentage from 2020 Schedule A, Part III, line 15	16	95.15%

Section D. Computation of Investment Income Percentage

17 Investment income percentage for 2021 (line 10c, column (f), divided by line 13, column (f)),	17	4.91%
18 Investment income percentage from 2020 Schedule A, Part III, line 17	18	4.83%

19a 33 1/3% support tests - 2021. 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 - 2020. If the organization did not check a box on line 14 or line 19a, and line 16 is more than 33 1/3%, and line 18 is not more than 33 1/3%, check this box and **stop here**. The organization qualifies as a publicly supported organization ▶

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

Part IV Supporting Organizations

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

Section A. All Supporting Organizations

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

Part IV Supporting Organizations (continued)

Table with 3 columns: Question, Yes, No. Row 11: Has the organization accepted a gift or contribution from any of the following persons? Sub-rows 11a, 11b, 11c.

Section B. Type I Supporting Organizations

Table with 3 columns: Question, Yes, No. Row 1: Did the governing body, members of the governing body, officers acting in their official capacity, or membership of one or more supported organizations have the power to regularly appoint or elect at least a majority of the organization's officers, directors, or trustees at all times during the tax year? Row 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?

Section C. Type II Supporting Organizations

Table with 3 columns: Question, Yes, No. Row 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)?

Section D. All Type III Supporting Organizations

Table with 3 columns: Question, Yes, No. Row 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? Row 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? Row 3: By reason of the relationship described on line 2, above, did the organization's supported organizations have a significant voice in the organization's investment policies and in directing the use of the organization's income or assets at all times during the tax year?

Section E. Type III Functionally Integrated Supporting Organizations

Table with 3 columns: Question, Yes, No. Row 1: Check the box next to the method that the organization used to satisfy the Integral Part Test during the year (see instructions). Sub-rows a, b, c. Row 2: Activities Test. Answer lines 2a and 2b below. Sub-rows a, b. Row 3: Parent of Supported Organizations. Answer lines 3a and 3b below. Sub-rows a, b.

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

1 Check here if the organization satisfied the Integral Part Test as a qualifying trust on Nov. 20, 1970 (*explain in Part VI*). See instructions. All other Type III non-functionally integrated supporting organizations must complete Sections A through E.

Section A - Adjusted Net Income		(A) Prior Year	(B) Current Year (optional)
1	Net short-term capital gain	1	
2	Recoveries of prior-year distributions	2	
3	Other gross income (see instructions)	3	
4	Add lines 1 through 3.	4	
5	Depreciation and depletion	5	
6	Portion of operating expenses paid or incurred for production or collection of gross income or for management, conservation, or maintenance of property held for production of income (see instructions)	6	
7	Other expenses (see instructions)	7	
8	Adjusted Net Income (subtract lines 5, 6, and 7 from line 4)	8	

Section B - Minimum Asset Amount		(A) Prior Year	(B) Current Year (optional)
1	Aggregate fair market value of all non-exempt-use assets (see instructions for short tax year or assets held for part of year):		
a	Average monthly value of securities	1a	
b	Average monthly cash balances	1b	
c	Fair market value of other non-exempt-use assets	1c	
d	Total (add lines 1a, 1b, and 1c)	1d	
e	Discount claimed for blockage or other factors (<i>explain in detail in Part VI</i>):		
2	Acquisition indebtedness applicable to non-exempt-use assets	2	
3	Subtract line 2 from line 1d.	3	
4	Cash deemed held for exempt use. Enter 0.015 of line 3 (for greater amount, see instructions).	4	
5	Net value of non-exempt-use assets (subtract line 4 from line 3)	5	
6	Multiply line 5 by 0.035.	6	
7	Recoveries of prior-year distributions	7	
8	Minimum Asset Amount (add line 7 to line 6)	8	

Section C - Distributable Amount			Current Year
1	Adjusted net income for prior year (from Section A, line 8, column A)	1	
2	Enter 0.85 of line 1.	2	
3	Minimum asset amount for prior year (from Section B, line 8, column A)	3	
4	Enter greater of line 2 or line 3.	4	
5	Income tax imposed in prior year	5	
6	Distributable Amount. Subtract line 5 from line 4, unless subject to emergency temporary reduction (see instructions).	6	
7	<input type="checkbox"/> Check here if the current year is the organization's first as a non-functionally integrated Type III supporting organization (see instructions).		

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

Section D - Distributions		Current Year
1	Amounts paid to supported organizations to accomplish exempt purposes	1
2	Amounts paid to perform activity that directly furthers exempt purposes of supported organizations, in excess of income from activity	2
3	Administrative expenses paid to accomplish exempt purposes of supported organizations	3
4	Amounts paid to acquire exempt-use assets	4
5	Qualified set-aside amounts (prior IRS approval required - provide details in Part VI)	5
6	Other distributions (describe in Part VI). See instructions.	6
7	Total annual distributions. Add lines 1 through 6.	7
8	Distributions to attentive supported organizations to which the organization is responsive (provide details in Part VI). See instructions.	8
9	Distributable amount for 2021 from Section C, line 6	9
10	Line 8 amount divided by line 9 amount	10

Section E - Distribution Allocations (see instructions)		(i) Excess Distributions	(ii) Underdistributions Pre-2021	(iii) Distributable Amount for 2021
1	Distributable amount for 2021 from Section C, line 6			
2	Underdistributions, if any, for years prior to 2021 (reasonable cause required - explain in Part VI). See instructions.			
3	Excess distributions carryover, if any, to 2021			
a	From 2016			
b	From 2017			
c	From 2018			
d	From 2019			
e	From 2020			
f	Total of lines 3a through 3e			
g	Applied to underdistributions of prior years			
h	Applied to 2021 distributable amount			
i	Carryover from 2016 not applied (see instructions)			
j	Remainder. Subtract lines 3g, 3h, and 3i from line 3f.			
4	Distributions for 2021 from Section D, line 7: \$			
a	Applied to underdistributions of prior years			
b	Applied to 2021 distributable amount			
c	Remainder. Subtract lines 4a and 4b from line 4.			
5	Remaining underdistributions for years prior to 2021, if any. Subtract lines 3g and 4a from line 2. For result greater than zero, explain in Part VI. See instructions.			
6	Remaining underdistributions for 2021. Subtract lines 3h and 4b from line 1. For result greater than zero, explain in Part VI. See instructions.			
7	Excess distributions carryover to 2022. Add lines 3j and 4c.			
8	Breakdown of line 7:			
a	Excess from 2017			
b	Excess from 2018			
c	Excess from 2019			
d	Excess from 2020			
e	Excess from 2021			

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.)

PART III, LINE 12 - OTHER INCOME:

OTHER INCOME WAS PRIMARILY ADMINISTRATIVE FEES AND REBATES.

**SCHEDULE C
(Form 990)**

Political Campaign and Lobbying Activities

OMB No. 1545-0047

2021

Open to Public Inspection

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.**

Department of the Treasury
Internal Revenue Service

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 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)				

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

Schedule C (Form 990) 2021

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 (grassroots lobbying)															
b Total lobbying expenditures to influence a legislative body (direct lobbying)		264,083.													
c Total lobbying expenditures (add lines 1a and 1b)		264,083.													
d Other exempt purpose expenditures		601,204,434.													
e Total exempt purpose expenditures (add lines 1c and 1d)		601,468,517.													
f Lobbying nontaxable amount. Enter the amount from the following table in both columns.		1,000,000.													
<table border="1"> <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) 2018	(b) 2019	(c) 2020	(d) 2021	(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	366,917.	214,035.	273,420.	264,083.	1,118,455.
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)).

Table with 3 main columns: (a) Yes/No, (b) Amount. Rows include: 1 During the year, did the filing organization attempt to influence foreign, national, state, or local legislation...; 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).

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

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."

Table with 2 main columns: Question, Amount. Rows include: 1 Dues, assessments and similar amounts from members; 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; b Carryover from last year; c Total; 3 Aggregate amount reported in section 6033(e)(1)(A) notices of nondeductible section 162(e) dues; 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?; 5 Taxable amount of lobbying and political expenditures. See instructions.

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.

Horizontal lines for providing supplemental information.

SCHEDULE D (Form 990)

Supplemental Financial Statements

OMB No. 1545-0047

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.

2021

Attach to Form 990.

Open to Public Inspection

Department of the Treasury Internal Revenue Service

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

Name of the organization

Employer identification number

AMERICAN CHEMICAL SOCIETY

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.

Table with 3 columns: Line number, Description, (a) Donor advised funds, (b) Funds and other accounts. Includes rows for total number at end of year, aggregate values, and yes/no questions about donor advisement.

Part II Conservation Easements.

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

Table with 3 columns: Line number, Description, Held at the End of the Tax Year. Includes rows for purpose(s) of conservation easements, total number, acreage, and monitoring expenses.

Part III Organizations Maintaining Collections of Art, Historical Treasures, or Other Similar Assets.

Complete if the organization answered "Yes" on Form 990, Part IV, line 8.

Table with 3 columns: Line number, Description, Amount. Includes rows for art and historical treasures held for public service and those received for financial gain.

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

Schedule D (Form 990) 2021

JSA 1E1268 1.000

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 make 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 program
 - e Other _____
- 4 Provide a description of the organization's collections and explain how they further the organization's exempt purpose in Part XIII.
- 5 During the year, did the organization solicit or receive donations of art, historical treasures, or other similar assets to be sold to raise funds rather than to be maintained as part of the organization's collection? Yes No

Part IV Escrow and Custodial Arrangements.

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

- 1a Is the organization an agent, trustee, custodian or other intermediary for contributions or other assets not included on Form 990, Part X? Yes No
- b If "Yes," explain the arrangement in Part XIII and complete the following table:
- | | Amount |
|---|--------|
| c Beginning balance | 1c |
| d Additions during the year | 1d |
| e Distributions during the year | 1e |
| f Ending balance | 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 on Part XIII

Part V Endowment Funds.

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

	(a) Current year	(b) Prior year	(c) Two years back	(d) Three years back	(e) Four years back
1a Beginning of year balance	817,682,497.	726,724,613.	636,958,628.	690,394,569.	625,265,990.
b Contributions	2,744,190.	1,137,394.	2,728,107.	1,608,157.	942,551.
c Net investment earnings, gains, and losses	76,674,455.	115,099,794.	112,645,100.	-31,040,974.	90,919,491.
d Grants or scholarships	24,150,395.	23,265,884.	21,506,158.	21,475,590.	21,130,142.
e Other expenditures for facilities and programs	1,607,651.	NONE	2,144,756.	611,378.	3,792,321.
f Administrative expenses	1,661,848.	2,013,420.	1,956,308.	1,916,156.	1,811,000.
g End of year balance	869,681,248.	817,682,497.	726,724,613.	636,958,628.	690,394,569.

- 2 Provide the estimated percentage of the current year end balance (line 1g, column (a)) held as:
- a Board designated or quasi-endowment ▶ 0.6600 %
 - b Permanent endowment ▶ 17.1000 %
 - c Term endowment ▶ 82.2400 %
- 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:
- | | Yes | No |
|--|--------|----|
| (i) Unrelated organizations | 3a(i) | X |
| (ii) Related organizations | 3a(ii) | X |
| b If "Yes" on line 3a(ii), are the related organizations listed as required on Schedule R? | 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		127,523,453.	91,841,460.	35,681,993.
c Leasehold improvements				
d Equipment		17,029,794.	13,558,526.	3,471,268.
e Other		311,231,485.	225,534,110.	85,697,375.
Total. Add lines 1a through 1e. (Column (d) must equal Form 990, Part X, column (B), line 10c.)				127,780,856.

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	9,498,868.	SEE SUPPLEMENTAL PAGE
(3) Other _____		
(A) HEDGE FUNDS	95,679,000.	FMV
(B) PRIVATE REAL ESTATE	69,945,000.	FMV
(C)		
(D)		
(E)		
(F)		
(G)		
(H)		
Total. (Column (b) must equal Form 990, Part X, col. (B) line 12.) . ▶	175,122,868.	

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	
(2) ACCRUED RETIREE MEDICAL EXPENSES	44,869,050.
(3) 457(B) LIABILITY	16,139,554.
(4) ASSET RETIREMENT OBLIGATION	4,879,559.
(5) ACCRUED POST EMPLOYMENT BENEFIT	1,467,581.
(6) ACCRUED GIFT ANNUITY LIABILITY	52,833.
(7) GIFT CARD PAYABLE	7,826.
(8)	
(9)	
Total. (Column (b) must equal Form 990, Part X, col. (B) line 25.) ▶	67,416,403.

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 FASB 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.

Table with 5 main rows and sub-rows (a-e) for adjustments. Columns include line numbers and a final column for totals. Rows include: 1 Total revenue, gains, and other support per audited financial statements; 2 Amounts included on line 1 but not on Form 990, Part VIII, line 12; 3 Subtract line 2e from line 1; 4 Amounts included on Form 990, Part VIII, line 12, but not on line 1; 5 Total revenue. Add lines 3 and 4c.

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.

Table with 5 main rows and sub-rows (a-e) for adjustments. Columns include line numbers and a final column for totals. Rows include: 1 Total expenses and losses per audited financial statements; 2 Amounts included on line 1 but not on Form 990, Part IX, line 25; 3 Subtract line 2e from line 1; 4 Amounts included on Form 990, Part IX, line 25, but not on line 1; 5 Total expenses. Add lines 3 and 4c.

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.

SEE SUPPLEMENTAL PAGE

Part XIII Supplemental Information (continued)

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 \$24,000,000 WAS AWARDED IN 2021 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.

PART X, LINE 2:

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. AS OF DECEMBER 31, 2021, THE SOCIETY HAD PRE-2018 OPERATING LOSS CARRYFORWARD FOR INCOME TAX PURPOSES OF APPROXIMATELY \$15,066,000, WHICH EXPIRES OVER THE YEARS 2022 THROUGH 2037 AND POST-2018 NET OPERATING LOSS OF \$13,664,000, WHICH CAN BE CARRIED FORWARD INDEFINITELY. A DEFERRED TAX ASSET HAS NOT BEEN RECORDED FOR THE NET OPERATING LOSS BECAUSE THE SOCIETY HAS DETERMINED

Part XIII Supplemental Information (continued)

THE LOSSES ARE NOT RECOVERABLE AS OF DECEMBER 31, 2021.

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.

THE SOCIETY IS SUBJECT TO TAXATION IN SEVERAL JURISDICTIONS AND IS CURRENTLY UNDER AUDIT FOR THE 2014-2020 TAX YEARS IN A FOREIGN TERRITORY, AS A MATTER OF CONDUCTING ORDINARY BUSINESS ACTIVITIES IN THE COUNTRY.

THE FOREIGN TAX AUTHORITY HAS CHALLENGED THE SOCIETY'S POSITION ON ITS TAX FILING. THE SOCIETY HAS APPEALED THE TAX RULINGS. DUE TO THE UNCERTAINTY ASSOCIATED WITH THE TAX APPEALS, THE SOCIETY HAS NOT RECORDED A PROVISION IN THE CONSOLIDATED FINANCIAL STATEMENTS. IT IS POSSIBLE THAT AT SOME FUTURE DATE, LIABILITIES RESULTING FROM THE AUDITS COULD BE INCURRED. MANAGEMENT INTENDS TO PURSUE ALL ADMINISTRATIVE AND JUDICIAL REMEDIES NECESSARY TO RESOLVE THE MATTER. BASED ON CURRENT LEGISLATION, AND AFTER CONSULTATION WITH OUTSIDE TAX ADVISORS, MANAGEMENT BELIEVES THE ULTIMATE RESOLUTION OF THE AUDITS WILL NOT HAVE A MATERIAL ADVERSE IMPACT ON THE SOCIETY'S FINANCIAL CONDITION TAKEN AS A WHOLE.

Part XIII Supplemental Information (continued)SCHEDULE D, PART VII - INVESTMENTS - CLOSELY HELD EQUITY INTERESTS
=====

DESCRIPTION -----	BOOK VALUE -----	COST OR FMV -----
CLOSELY-HELD EQUITY INTERESTS	9,498,868.	COST
TOTALS	----- 9,498,868. =====	

**SCHEDULE F
(Form 990)**

Statement of Activities Outside the United States

OMB No. 1545-0047

2021

Open to Public Inspection

Department of the Treasury
Internal Revenue Service

▶ Complete if the organization answered "Yes" on 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.

Name of the organization

AMERICAN CHEMICAL SOCIETY

Employer identification number

53-0196572

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

1 For grantmakers. Does the organization maintain records to substantiate the amount of its grants and other assistance, the grantees' eligibility for the grants or assistance, and the selection criteria used to award the grants or assistance? **Yes** **No**

2 For grantmakers. Describe in Part V the organization's procedures for monitoring the use of its grants and other assistance outside the United States.

3 Activities per Region. (The following Part I, line 3 table can be duplicated if additional space is needed.)

(a) Region	(b) Number of offices in the region	(c) Number of employees, agents, and independent contractors in the region	(d) Activities conducted in the region (by type) (such as, fundraising, program services, investments, grants to recipients located in the region)	(e) If activity listed in (d) is a program service, describe specific type of service(s) in the region	(f) Total expenditures for and investments in the region
(1) CENTRAL AMERICA/CARIBBEAN	NONE	2	PROGRAM SERVICES	INFO/MEMBERSHIP SVCS	136,661.
(2) EAST ASIA AND THE PACIFIC	NONE	221	PROGRAM SERVICES	INFO/MEMBERSHIP SVCS	17,575,191.
(3) EUROPE	NONE	270	PROGRAM SERVICES	INFO/MEMBERSHIP SVCS	15,103,078.
(4) MIDDLE EAST AND NORTH AFRICA	NONE	9	PROGRAM SERVICES	INFO/MEMBERSHIP SVCS	750,505.
(5) NORTH AMERICA	NONE	51	PROGRAM SERVICES	INFO/MEMBERSHIP SVCS	1,695,523.
(6) SOUTH AMERICA	NONE	17	PROGRAM SERVICES	INFO/MEMBERSHIP SVCS	264,364.
(7) SOUTH ASIA	NONE	52	PROGRAM SERVICES	INFO/MEMBERSHIP SVCS	25,564,249.
(8) SUB-SAHARAN AFRICA	NONE	5	PROGRAM SERVICES	INFO/MEMBERSHIP SVCS	63,400.
(9) CENTRAL AMERICA/CARIBBEAN	NONE		GRANTMAKING		9,500.
(10) EAST ASIA AND THE PACIFIC	NONE		GRANTMAKING		267,111.
(11) EUROPE	NONE		GRANTMAKING		301,421.
(12) MIDDLE EAST AND NORTH AFRICA	NONE		GRANTMAKING		55,000.
(13) NORTH AMERICA	NONE		GRANTMAKING		110,202.
(14) RUSSIA/INDEPENDENT STATES	NONE		GRANTMAKING		9,900.
(15) SOUTH AMERICA	NONE		GRANTMAKING		31,370.
(16) SOUTH ASIA	NONE		GRANTMAKING		25,510.
(17) SUB-SAHARAN AFRICA	NONE		GRANTMAKING		45,620.
3a Subtotal	NONE	627.			62,008,605.
b Total from continuation sheets to Part I					
c Totals (add lines 3a and 3b)	NONE	627.			62,008,605.

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

Schedule F (Form 990) 2021

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

1	(a) Name of organization	(b) IRS code section and EIN (if applicable)	(c) Region	(d) Purpose of grant	(e) Amount of cash grant	(f) Manner of cash disbursement	(g) Amount of noncash assistance	(h) Description of noncash assistance	(i) Method of valuation (book, FMV, appraisal, other)
(1)			EAST ASIA/PACIFIC	GENERAL SUPP	55,151.	CHECK		N/A	N/A
(2)			EAST ASIA/PACIFIC	GENERAL SUPP	50,876.	CHECK		N/A	N/A
(3)			EAST ASIA/PACIFIC	GENERAL SUPP	40,000.	CHECK		N/A	N/A
(4)			EAST ASIA/PACIFIC	GENERAL SUPP	25,000.	CHECK		N/A	N/A
(5)			EAST ASIA/PACIFIC	GENERAL SUPP	18,384.	CHECK		N/A	N/A
(6)			EAST ASIA/PACIFIC	GENERAL SUPP	12,000.	CHECK		N/A	N/A
(7)			EAST ASIA/PACIFIC	GENERAL SUPP	6,950.	CHECK		N/A	N/A
(8)			EUROPE/ICELAND/GREENLAND	GENERAL SUPP	50,025.	CHECK		N/A	N/A
(9)			EUROPE/ICELAND/GREENLAND	GENERAL SUPP	50,000.	CHECK		N/A	N/A
(10)			EUROPE/ICELAND/GREENLAND	GENERAL SUPP	40,000.	CHECK		N/A	N/A
(11)			EAST ASIA/PACIFIC	GENERAL SUPP	25,000.	CHECK		N/A	N/A
(12)			EUROPE/ICELAND/GREENLAND	GENERAL SUPP	25,000.	CHECK		N/A	N/A
(13)			EUROPE/ICELAND/GREENLAND	GENERAL SUPP	25,000.	CHECK		N/A	N/A
(14)			NORTH AMERICA	GENERAL SUPP	41,438.	CHECK		N/A	N/A
(15)			NORTH AMERICA	GENERAL SUPP	18,384.	CHECK		N/A	N/A
(16)			NORTH AMERICA	GENERAL SUPP	18,384.	CHECK		N/A	N/A

2 Enter total number of recipient organizations listed above that are recognized as charities by the foreign country, recognized as a tax exempt 501(c)(3) organization by the IRS, or for which the grantee or counsel has provided a section 501(c)(3) equivalency letter . . . ▶ 6

3 Enter total number of other organizations or entities ▶ 13

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

1	(a) Name of organization	(b) IRS code section and EIN (if applicable)	(c) Region	(d) Purpose of grant	(e) Amount of cash grant	(f) Manner of cash disbursement	(g) Amount of noncash assistance	(h) Description of noncash assistance	(i) Method of valuation (book, FMV, appraisal, other)
(1)			NORTH AMERICA	GENERAL SUPP	18,384.	CHECK		N/A	N/A
(2)			SUB-SAHARAN AFRICA	GENERAL SUPP	11,200.	CHECK		N/A	N/A
(3)			SUB-SAHARAN AFRICA	GENERAL SUPP	9,000.	CHECK		N/A	N/A
(4)									
(5)									
(6)									
(7)									
(8)									
(9)									
(10)									
(11)									
(12)									
(13)									
(14)									
(15)									
(16)									

2 Enter total number of recipient organizations listed above that are recognized as charities by the foreign country, recognized as a tax exempt 501(c)(3) organization by the IRS, or for which the grantee or counsel has provided a section 501(c)(3) equivalency letter . . . ▶ _____

3 Enter total number of other organizations or entities ▶ _____

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

(a) Type of grant or assistance	(b) Region	(c) Number of recipients	(d) Amount of cash grant	(e) Manner of cash disbursement	(f) Amount of noncash assistance	(g) Description of noncash assistance	(h) Method of valuation (book, FMV, appraisal, other)
(1) AWARDS	CENT. AMERICA/CARIBBEAN	4	9,500.	CHECK		N/A	N/A
(2) AWARDS	EAST ASIA/PACIFIC	9	58,750.	CHECK		N/A	N/A
(3) AWARDS	EUROPE/ICELAND/GREENLAND	24	86,396.	CHECK		N/A	N/A
(4) AWARDS	MIDDLE EAST/NORTH AFRICA	7	55,000.	CHECK		N/A	N/A
(5) AWARDS	NORTH AMERICA	6	13,612.	CHECK		N/A	N/A
(6) AWARDS	RUSSIA/NEWLY IND. STATES	3	9,900.	CHECK		N/A	N/A
(7) AWARDS	SOUTH AMERICA	8	31,370.	CHECK		N/A	N/A
(8) AWARDS	SOUTH ASIA	11	25,510.	CHECK		N/A	N/A
(9) AWARDS	SUB-SAHARAN AFRICA	8	25,420.	CHECK		N/A	N/A
(10)							
(11)							
(12)							
(13)							
(14)							
(15)							
(16)							
(17)							
(18)							

Part IV Foreign Forms

- 1 Was the organization a U.S. transferor of property to a foreign corporation during the tax year? *If "Yes," the organization may be required to file Form 926, Return by a U.S. Transferor of Property to a Foreign Corporation (see Instructions for Form 926)* Yes No
- 2 Did the organization have an interest in a foreign trust during the tax year? *If "Yes," the organization may be required to separately file Form 3520, Annual Return To Report Transactions With Foreign Trusts and Receipt of Certain Foreign Gifts, and/or Form 3520-A, Annual Information Return of Foreign Trust With a U.S. Owner (see Instructions for Forms 3520 and 3520-A; 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).

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.

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).

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.

**SCHEDULE I
(Form 990)**

**Grants and Other Assistance to Organizations,
Governments, and Individuals in the United States**
Complete if the organization answered "Yes" on Form 990, Part IV, line 21 or 22.

OMB No. 1545-0047

2021

**Open to Public
Inspection**

Department of the Treasury
Internal Revenue Service

▶ 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 General Information on Grants and Assistance

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

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

1 (a) Name and address of organization or government	(b) EIN	(c) IRC section (if applicable)	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of noncash assistance	(h) Purpose of grant or assistance
(1) UNIVERSITY OF CALIFORNIA IRVINE 102 ALDRICH HALL, IRVINE, CA 92697	95-2226406	501(C)(3)	246,687.		N/A	N/A	GENERAL SUPPORT
(2) UNIVERSITY OF OKLAHOMA ROOM 1051000 ASP AVENUE, NORMAN, OK 73019	73-1377584	OK STATE	235,811.		N/A	N/A	GENERAL SUPPORT
(3) NEW JERSEY INSTITUTE OF TECHNOLOGY 323 DR. MARTIN L.KING BLVD, NEWARK, NJ 07102	22-6000910	NJ STATE	226,681.		N/A	N/A	GENERAL SUPPORT
(4) UNIVERSITY OF IOWA 17 CALVIN HALL, IOWA CITY, IA 52242	42-6004813	IA STATE	219,292.		N/A	N/A	GENERAL SUPPORT
(5) TRUSTEES OF THE UNIV OF PENNSYLVANIA 3451 WALNUT STREET, PHILADELPHIA, PA 19104	23-1352685	501(C)(3)	211,352.		N/A	N/A	GENERAL SUPPORT
(6) BD. OF REGENTS UNIVERSITY WISCONSIN SYSTEM 1725 STATE STREET, LA CROSSE, WI 54601	39-1805963	WI STATE	193,397.		N/A	N/A	GENERAL SUPPORT
(7) UNIVERSITY OF ROCHESTER PO BOX 270037, ROCHESTER, NY 14627	16-0743209	501(C)(3)	189,192.		N/A	N/A	GENERAL SUPPORT
(8) UNIVERSITY OF PITTSBURGH LOCK BOX 371220, PITTSBURGH, PA 19107	25-0965591	501(C)(3)	183,836.		N/A	N/A	GENERAL SUPPORT
(9) OHIO STATE UNIVERSITY 110 WEST 18TH AVE., COLUMBUS, OH 43210	31-6025986	501(C)(3)	178,443.		N/A	N/A	GENERAL SUPPORT
(10) REGENTS OF THE UNIVERSITY OF MICHIGAN 515 E JEFFERSON STREET, ANN ARBOR, MI 48109	38-6006309	501(C)(3)	177,283.		N/A	N/A	GENERAL SUPPORT
(11) CALIFORNIA INSTITUTE OF TECHNOLOGY 1200 E CALIFORNIA BLVD, PASADENA, CA 91125	95-1643307	501(C)(3)	171,015.		N/A	N/A	GENERAL SUPPORT
(12) UNIVERSITY OF WASHINGTON 4300 ROOSEVELT WAY, NE SEATTLE, WA 98105	91-6001537	WA STATE	169,168.		N/A	N/A	GENERAL SUPPORT

2 Enter total number of section 501(c)(3) and government organizations listed in the line 1 table ▶ 247

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

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

Schedule I (Form 990) 2021

**SCHEDULE I
(Form 990)**

**Grants and Other Assistance to Organizations,
Governments, and Individuals in the United States**
Complete if the organization answered "Yes" on Form 990, Part IV, line 21 or 22.

OMB No. 1545-0047

2021

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Name of the organization

AMERICAN CHEMICAL SOCIETY

Employer identification number

53-0196572

Part I General Information on Grants and Assistance

- 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
- Describe in Part IV the organization's procedures for monitoring the use of grant funds in the United States.

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

1 (a) Name and address of organization or government	(b) EIN	(c) IRC section (if applicable)	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of noncash assistance	(h) Purpose of grant or assistance
(1) UNIVERSITY OF TEXAS AT AUSTIN 100 W. DEAN KEETON, AUSTIN, TX 78712-1712	74-6000203	TX STATE	161,659.		N/A	N/A	GENERAL SUPPORT
(2) UNIVERSITY OF VIRGINIA 1001 NTH. EMMET ST.CHARLOTTESVILLE,VA 22904	54-6001796	501(C)(3)	149,568.		N/A	N/A	GENERAL SUPPORT
(3) RESEARCH FOUNDATION STATE UNIVERSITY OF NY SPONSORED FUNDS ADMIN., BINGHAMTON,NY 13902	14-1368361	501(C)(3)	147,469.		N/A	N/A	GENERAL SUPPORT
(4) RICE UNIVERSITY 6100 SOUTH MAIN ST., HOUSTON, TX 77005-1892	74-1109620	501(C)(3)	145,029.		N/A	N/A	GENERAL SUPPORT
(5) PURDUE UNIVERSITY 610 PURDUE MALL, WEST LAFAYETTE,IN 47907	35-6002041	501(C)(3)	142,964.		N/A	N/A	GENERAL SUPPORT
(6) THE CURATORS OF THE UNIVERSITY OF MISSOURI 316 UNIVERSITY HALL COLUMBIA, MO 65211-1230	43-6003859	501(C)(3)	138,522.		N/A	N/A	GENERAL SUPPORT
(7) BOARD OF TRUSTEES,MICHIGAN STATE UNIVERSITY E130NATURAL SCIENCE BLDG,E LANSING,MI,48824	38-6005984	501(C)(3)	136,516.		N/A	N/A	GENERAL SUPPORT
(8) UNIVERSITY OF NORTH CAROLINA CHAPEL HILL 450 RIDGE ROAD, CHAPEL HILL, NC 27599-1400	56-6001393	501(C)(3)	134,204.		N/A	N/A	GENERAL SUPPORT
(9) UNIVERSITY OF CHICAGO 1115 E. 58TH STREET, CHICAGO, IL 60637	36-2177139	501(C)(3)	131,135.		N/A	N/A	GENERAL SUPPORT
(10) THE UNIVERSITY OF ILLINOIS 28392 NETWORK PLACE, CHICAGO, IL 60673-1283	37-6000511	501(C)(3)	126,820.		N/A	N/A	GENERAL SUPPORT
(11) UNIVERSITY OF UTAH 201 SOUTH 1460 EAST,SALT LAKE CTY, UT 84112	87-6000525	501(C)(3)	126,589.		N/A	N/A	GENERAL SUPPORT
(12) CORNELL UNIVERSITY PO BOX 22, ITHACA, NY 10003	15-0532082	501(C)(3)	124,873.		N/A	N/A	GENERAL SUPPORT

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

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

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Schedule I (Form 990) 2021

**SCHEDULE I
(Form 990)**

**Grants and Other Assistance to Organizations,
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Complete if the organization answered "Yes" on Form 990, Part IV, line 21 or 22.

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Name of the organization

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Employer identification number

53-0196572

Part I General Information on Grants and Assistance

- 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
- Describe in Part IV the organization's procedures for monitoring the use of grant funds in the United States.

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

1 (a) Name and address of organization or government	(b) EIN	(c) IRC section (if applicable)	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of noncash assistance	(h) Purpose of grant or assistance
(1) NEW YORK UNIVERSITY 105 EAST 17TH ST. NEW YORK, NY 10003	13-5562308	501(C)(3)	118,801.		N/A	N/A	GENERAL SUPPORT
(2) FLINN SCIENTIFIC INC PO BOX 219 BATAVIA, IL 60510	36-2926914	C CORP	118,443.		N/A	N/A	GENERAL SUPPORT
(3) TEXAS A&M UNIVERSITY PO BOX 300161252, COLLEGE STATION, TX 77842	74-6000531	TX STATE	117,860.		N/A	N/A	GENERAL SUPPORT
(4) COLORADO STATE UNIVERSITY OFF. OF FINANCIAL AID, FT. COLLINS, CO 80401	84-6000545	CO STATE	115,018.		N/A	N/A	GENERAL SUPPORT
(5) TRUSTEES OF PRINCETON UNIVERSITY 701 CARNEGIE CENTER, PRINCETON, NJ 08540	21-0634501	501(C)(3)	114,955.		N/A	N/A	GENERAL SUPPORT
(6) COLORADO SCHOOL OF MINES 1200 16TH STREET, GOLDEN, CO 80309-0077	84-6000551	CO STATE	110,314.		N/A	N/A	GENERAL SUPPORT
(7) GEORGE WASHINGTON UNIVERSITY 2121 I ST NW WASHINGTON, DC 20052	53-0196584	501(C)(3)	110,014.		N/A	N/A	GENERAL SUPPORT
(8) UNIVERSITY OF COLORADO BOULDER OFFICE OF FINANCIAL AID, BOULDER, CO 80309	84-6000555	501(C)(3)	108,355.		N/A	N/A	GENERAL SUPPORT
(9) TRUSTEES OF COLUMBIA UNIVERSITY 3000 BROADWAY MC 3115, NEW YORK, NY 10027	13-5598093	501(C)(3)	107,619.		N/A	N/A	GENERAL SUPPORT
(10) PENNSYLVANIA STATE UNIVERSITY 430 THOMAS BUILDING, UNIVERSITY PK, PA 16802	24-6000376	115	103,621.		N/A	N/A	GENERAL SUPPORT
(11) VIRGINIA POLYTECHNIC INSTITUTE 150800 WASHINGTON ST., BLACKSBURG, VA 24061	54-6001805	VA STATE	99,568.		N/A	N/A	GENERAL SUPPORT
(12) UNIVERSITY OF SOUTHERN CALIFORNIA 700 CHILDS WAY, LOS ANGELES, CA 90089	95-1642394	501(C)(3)	96,221.		N/A	N/A	GENERAL SUPPORT

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

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

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Schedule I (Form 990) 2021

**SCHEDULE I
(Form 990)**

**Grants and Other Assistance to Organizations,
Governments, and Individuals in the United States**
Complete if the organization answered "Yes" on Form 990, Part IV, line 21 or 22.

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Name of the organization

AMERICAN CHEMICAL SOCIETY

Employer identification number

53-0196572

Part I General Information on Grants and Assistance

- 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
- Describe in Part IV the organization's procedures for monitoring the use of grant funds in the United States.

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

1 (a) Name and address of organization or government	(b) EIN	(c) IRC section (if applicable)	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of noncash assistance	(h) Purpose of grant or assistance
(1) UNIVERSITY OF HOUSTON 4302 UNIVERSITY DRIVE, HOUSTON, TX 77204	74-6001399	TX STATE	92,909.		N/A	N/A	GENERAL SUPPORT
(2) INDIANA UNIVERSITY OFFICE OF RESEARCH ADMIN., DETROIT, MI 48278	35-6001673	501(C)(3)	91,880.		N/A	N/A	GENERAL SUPPORT
(3) KANSAS STATE UNIVERSITY 10 ANDERSON HALL MANHATTAN, KS 66506	48-0771751	501(C)(3)	91,404.		N/A	N/A	GENERAL SUPPORT
(4) TEXAS A&M ENGINEERING EXPERIMENT STATION 400 BIZZELL ST, COLLEGE STATION, TX 78713	74-1974733	TX STATE	91,312.		N/A	N/A	GENERAL SUPPORT
(5) UNIVERSITY OF SOUTH FLORIDA PO BOX 864571, ORLANDO, FL 32886	59-3102112	FL STATE	90,907.		N/A	N/A	GENERAL SUPPORT
(6) OREGON STATE UNIVERSITY PO BOX 1086, CORVALLIS, OR 97339	61-1730890	OR STATE	90,537.		N/A	N/A	GENERAL SUPPORT
(7) BAYLOR UNIVERSITY 1311 S 5TH ST WACO, TX 78713-7159	74-1159753	501(C)(3)	89,185.		N/A	N/A	GENERAL SUPPORT
(8) JOHNS HOPKINS UNIVERSITY 3400 N. CHARLES STREET BALTIMORE, MD 21218	52-0595110	501(C)(3)	87,762.		N/A	N/A	GENERAL SUPPORT
(9) UNIVERSITY OF CONNECTICUT 343 MANSFIELD ROAD, STORRS, CT 06269	06-0772160	CT STATE	76,177.		N/A	N/A	GENERAL SUPPORT
(10) UNIVERSITY OF MASSACHUSETTS 18 MARSTON HALL AMHERST, MA 01003	04-3167352	MA STATE	72,829.		N/A	N/A	GENERAL SUPPORT
(11) FLORIDA INTERNATIONAL UNIVERSITY 13811200 SW 8TH ST. MIAMI, FL 33199	65-0177616	FL STATE	71,651.		N/A	N/A	GENERAL SUPPORT
(12) BOARD OF REGENTS UNIV OF WISCONSIN OFFICE OF RESEARCH PROG., MILWAUKEE, WI 53278	39-6006492	501(C)(3)	70,000.		N/A	N/A	GENERAL SUPPORT

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

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

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Schedule I (Form 990) 2021

**SCHEDULE I
(Form 990)**

**Grants and Other Assistance to Organizations,
Governments, and Individuals in the United States**
Complete if the organization answered "Yes" on Form 990, Part IV, line 21 or 22.

OMB No. 1545-0047

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Name of the organization

Employer identification number

AMERICAN CHEMICAL SOCIETY

53-0196572

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- 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
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1 (a) Name and address of organization or government	(b) EIN	(c) IRC section (if applicable)	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of noncash assistance	(h) Purpose of grant or assistance
(1) UNIVERSITY OF ALABAMA BOX 870132, TUSCALOOSA, AL 35487	63-6001138	501(C)(3)	69,910.		N/A	N/A	GENERAL SUPPORT
(2) UNIVERSITY OF ILLINOIS FOUNDATION 600 S MATHEWS, MC-712 URBANA, IL 61801	37-6006007	501(C)(3)	68,583.		N/A	N/A	GENERAL SUPPORT
(3) UNIVERSITY OF FLORIDA PO BOX 114025, GAINSVILLE, FL 32611	59-6002052	501(C)(3)	67,107.		N/A	N/A	GENERAL SUPPORT
(4) THE UNIVERSITY OF AKRON 302 BUCHTEL COMMON AKRON, OH 44325	34-6002924	OH STATE	63,589.		N/A	N/A	GENERAL SUPPORT
(5) BRANDEIS UNIVERSITY 415 SOUTH STREET, WALTHAM, MA 02254	04-2103552	501(C)(3)	63,141.		N/A	N/A	GENERAL SUPPORT
(6) UNIVERSITY OF TEXAS AT DALLAS 800 W CAMPBELL RD, RICHARDSON, TX 75080	75-1305566	TX STATE	61,984.		N/A	N/A	GENERAL SUPPORT
(7) BRD OF TRUSTEES OF THE LELAND STANFORD 333 CAMPUS DRIVE STANFORD, CA 94305	94-1156365	501(C)(3)	61,978.		N/A	N/A	GENERAL SUPPORT
(8) UNIVERSITY OF DELAWARE 30 LOVETT AVENUE, NEWARK, DE 19716	51-6000297	501(C)(3)	61,330.		N/A	N/A	GENERAL SUPPORT
(9) UNIVERSITY OF KENTUCKY 177 F PAUL ANDERSON, LEXINGTON, KY 40506	61-6001218	501(C)(3)	60,000.		N/A	N/A	GENERAL SUPPORT
(10) OKLAHOMA STATE UNIVERSITY 113 STUDENT UNION, STILLWATER, OK 74078	73-1383996	OK STATE	59,550.		N/A	N/A	GENERAL SUPPORT
(11) REGENTS OF THE UNIVERSITY OF CA - DAVIS ONE SHIELDS AVE DAVIS, CA 95616	94-6036494	501(C)(3)	59,375.		N/A	N/A	GENERAL SUPPORT
(12) CARNEGIE MELLON UNIVERSITY A195000 FORBES AVE, PITTSBURGH, PA 15213	25-0969449	501(C)(3)	59,331.		N/A	N/A	GENERAL SUPPORT

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

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Schedule I (Form 990) 2021

**SCHEDULE I
(Form 990)**

**Grants and Other Assistance to Organizations,
Governments, and Individuals in the United States**
Complete if the organization answered "Yes" on Form 990, Part IV, line 21 or 22.

OMB No. 1545-0047

2021

**Open to Public
Inspection**

Department of the Treasury
Internal Revenue Service

▶ 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 General Information on Grants and Assistance

- 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
- Describe in Part IV the organization's procedures for monitoring the use of grant funds in the United States.

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

1 (a) Name and address of organization or government	(b) EIN	(c) IRC section (if applicable)	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of noncash assistance	(h) Purpose of grant or assistance
(1) LOUISIANA STATE UNIVERSITY 125 THOMAS BOYD HALL, BATON ROUGE, LA 70803	72-6000848	LA STATE	58,190.		N/A	N/A	GENERAL SUPPORT
(2) GEORGETOWN UNIVERSITY G193700 ST NW, WASHINGTON DC 20057	53-0196603	501(C)(3)	57,405.		N/A	N/A	GENERAL SUPPORT
(3) REGENTS OF THE UNIVERSITY OF MINNESOTA 450 UNIVERSITY GATEWAY, MINNEAPOLIS, MN 55455	41-6007513	MN STATE	57,392.		N/A	N/A	GENERAL SUPPORT
(4) GEORGIA SOUTHERN UNIVERSITY 1332 SOUTHERN DR STATESBORO, GA 30332-0460	58-2354256	501(C)(3)	57,351.		N/A	N/A	GENERAL SUPPORT
(5) DUKE UNIVERSITY 124 SCIENCE DR, DURHAM, NC 27708	56-0532129	501(C)(3)	57,055.		N/A	N/A	GENERAL SUPPORT
(6) MONTANA STATE UNIVERSITY PO BOX 174160, BOZEMAN, MT 59717	81-6010045	MT STATE	56,110.		N/A	N/A	GENERAL SUPPORT
(7) UNIVERSITY OF VERMONT 223 WATERMAN BLDG. BURLINGTON, VT 05401	03-0179440	501(C)(3)	55,334.		N/A	N/A	GENERAL SUPPORT
(8) VIRGINIA COMMONWEALTH UNIVERSITY P.O. BOX 843039 RICHMOND, VA 23284-3039	54-6001758	VA STATE	55,151.		N/A	N/A	GENERAL SUPPORT
(9) FLORIDA STATE UNIVERSITY RESEARCH FDT. 2000 LEVY AVENUE, TALLAHASSEE, FL 32306	59-3211153	501(C)(3)	55,150.		N/A	N/A	GENERAL SUPPORT
(10) RESEARCH FOUNDATION OF CUNY, QUEENS COLLEGE 160 CONVENT AVE NEW YORK, NY 10031	13-1988190	501(C)(3)	55,150.		N/A	N/A	GENERAL SUPPORT
(11) ST. LOUIS UNIVERSITY 3700 WEST PINE MALL, ST. LOUIS, MO 65211	43-0654872	501(C)(3)	55,127.		N/A	N/A	GENERAL SUPPORT
(12) WICHITA STATE UNIVERSITY 1845 FAIRMOUNT ST WICHITA, KS 67260	48-1124839	KS STATE	52,596.		N/A	N/A	GENERAL SUPPORT

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(1) UNIVERSITY OF OREGON 1278 UNIVERSITY OF OREGON EUGENE, OR 97403	46-4727800	OR STATE	51,656.		N/A	N/A	GENERAL SUPPORT
(2) TULANE UNIVERSITY 6823 ST CHARLES AVENUE, NEW ORLEANS, LA 70118	72-0423889	501(C)(3)	51,406.		N/A	N/A	GENERAL SUPPORT
(3) GEORGIA INSTITUTE OF TECHNOLOGY 225 NORTH AVENUE ATLANTA, GA 30332-0460	58-6002023	501(C)(3)	51,388.		N/A	N/A	GENERAL SUPPORT
(4) WESTERN WASHINGTON UNIVERSITY 516 HIGH STREET, BELLINGHAM, WA 98225	91-6000562	WA STATE	50,731.		N/A	N/A	GENERAL SUPPORT
(5) SOUTHERN ILLINOIS UNIVERSITY 1400 DOUGLAS DRIVE CARBONDALE, IL 62901	37-6005961	501(C)(3)	50,584.		N/A	N/A	GENERAL SUPPORT
(6) YALE UNIVERSITY PO BOX 2038, NEW HAVEN, CT 06521	06-0646973	501(C)(3)	50,375.		N/A	N/A	GENERAL SUPPORT
(7) THE SCRIPPS RESEARCH INSTITUTE INC 130 SCRIPPS WAY, #3A1 JUPITER, FL 33458	33-0435954	501(C)(3)	50,000.		N/A	N/A	GENERAL SUPPORT
(8) MALTA CONFERENCES FOUNDATION PO BOX 162 SHARON, MA 02067-0162	35-2414218	501(C)(3)	49,200.		N/A	N/A	GENERAL SUPPORT
(9) NORTH CAROLINA A & T STATE UNIVERSITY 100 S MURROW BLVD GREENSBORO, NC 27401	56-6000007	NC STATE	48,500.		N/A	N/A	GENERAL SUPPORT
(10) SYRACUSE UNIVERSITY 200 BOWNE HALL SYRACUSE, NY 13244	15-0532081	501(C)(3)	48,202.		N/A	N/A	GENERAL SUPPORT
(11) ARIZONA STATE UNIVERSITY 2700 N. CENTRAL AVE. PHOENIX, AZ 85004	86-0196696	AZ STATE	47,079.		N/A	N/A	GENERAL SUPPORT
(12) THE UNIVERSITY OF MISSISSIPPI P.O. BOX 1848 UNIVERSITY, MS 38677-1848	64-6001159	MS STATE	45,778.		N/A	N/A	GENERAL SUPPORT

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(1) WASHINGTON UNIVERSITY IN ST. LOUIS ONE BROOKING DR. ST. LOUIS, MO 63130	43-0653611	501(C)(3)	45,296.		N/A	N/A	GENERAL SUPPORT
(2) ROWAN UNIVERSITY 201 MULLICA HILL ROAD GLASSBORO, NJ 08540	22-2764819	NJ STATE	42,734.		N/A	N/A	GENERAL SUPPORT
(3) TEXAS TECH UNIVERSITY ROOM 205BOX 45, LUBBOCK, TX 79409	75-6002622	TX STATE	40,152.		N/A	N/A	GENERAL SUPPORT
(4) RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY 3 RUTGERS PLAZA NEW BRUNSWICK, NJ 08901	22-6001086	501(C)(3)	40,063.		N/A	N/A	GENERAL SUPPORT
(5) COLORADO STATE UNIVERSITY FOUNDATION 300 UNIVERSITY SVS. CTR. FT. COLLINS, CO 80523	23-7098397	501(C)(3)	40,000.		N/A	N/A	GENERAL SUPPORT
(6) PURDUE RESEARCH FOUNDATION 403 WEST WOOD ST, WEST LAFAYETTE, IN 47907	35-1052049	501(C)(3)	40,000.		N/A	N/A	GENERAL SUPPORT
(7) GEORGIA TECH RESEARCH CORP P.O. BOX 100117 ATLANTA, GA 30304	58-0603146	501(C)(3)	40,000.		N/A	N/A	GENERAL SUPPORT
(8) TEXAS A&M FOUNDATION 3257 TAMU, COLLEGE STATION, TX 77843	74-2245072	501(C)(3)	40,000.		N/A	N/A	GENERAL SUPPORT
(9) OREGON STATE UNIVERSITY FOUNDATION 4238 SW RESEARCH WAY, CORVALLIS, OR 97333	93-6022772	501(C)(3)	40,000.		N/A	N/A	GENERAL SUPPORT
(10) CASE WESTERN RESERVE UNIVERSITY 10900 EUCLID AVE CLEVELAND, OH 44106	34-1018992	501(C)(3)	39,085.		N/A	N/A	GENERAL SUPPORT
(11) UNIVERSITY OF MARYLAND 2504 CHEMISTRY BLDG, COLLEGE PARK, MD 20742	52-1076158	501(C)(3)	39,015.		N/A	N/A	GENERAL SUPPORT
(12) UNIVERSITY OF SOUTH CAROLINA 541 MAIN STREET, COLUMBIA, SC 29208	57-6001153	SC STATE	36,930.		N/A	N/A	GENERAL SUPPORT

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(1) CLEMSON UNIVERSITY G-08 SIKES HALL, CLEMSON, SC 29634	57-6000254	501(C)(3)	36,927.		N/A	N/A	GENERAL SUPPORT
(2) CALIFORNIA STATE UNIVERSITY, NORTHRIDGE 18111 NORDHOFF ST. NORTHRIDGE, CA 91330	95-1992732	501(C)(3)	35,597.		N/A	N/A	GENERAL SUPPORT
(3) BALL STATE UNIVERSITY 2000 W UNIVERSITY AVE MUNCIE, IN 47907-2007	35-6000221	IN STATE	33,258.		N/A	N/A	GENERAL SUPPORT
(4) UNIVERSITY OF COLORADO DENVER 1201 LARIMER STREET AB 5105 DENVER, CO 80204	84-0404231	CO STATE	31,155.		N/A	N/A	GENERAL SUPPORT
(5) TRINITY UNIVERSITY 1 TRINITY PLACE, SAN ANTONIO, TX 78212	74-1109633	501(C)(3)	30,075.		N/A	N/A	GENERAL SUPPORT
(6) UNIVERSITY OF ILLINOIS FOUNDATION 1305 WEST GREEN STREET URBANA, IL 61801	37-6006007	501(C)(3)	30,000.		N/A	N/A	GENERAL SUPPORT
(7) UNIVERSITY OF NORTHERN COLORADO 1620 RESERVOIR RD, GREENLEY, CO 80639	84-6000546	CO STATE	30,000.		N/A	N/A	GENERAL SUPPORT
(8) MIAMI UNIVERSITY OF OHIO 301 SOUTH CAMPUS AVE., OXFORD, OH 45056	31-6402089	501(C)(3)	29,939.		N/A	N/A	GENERAL SUPPORT
(9) UNIVERSITY OF ARKANSAS 1125 W. MAPLE FAYETTEVILLE, AR 72701-1201	71-6003252	AR STATE	28,565.		N/A	N/A	GENERAL SUPPORT
(10) REGENTS OF THE UNIV OF CA - BERKELEY 2195 HEARST AVENUE, BERKELEY, CA 94720	94-6002123	501(C)(3)	28,550.		N/A	N/A	GENERAL SUPPORT
(11) IOWA STATE UNIVERSITY OFFICE OF FINANCIAL AID, BOULDER, IA 80523	42-6004224	501(C)(3)	28,055.		N/A	N/A	GENERAL SUPPORT
(12) SMITH COLLEGE OFFICE OF THE CONT., NORTHAMPTON, MA 02139	04-1843040	501(C)(3)	27,742.		N/A	N/A	GENERAL SUPPORT

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(1) UNIVERSITY OF ALASKA SOUTHEAST 11066 AUKE LAKE WAY JUNEAU, AK 99801	92-6000147	AK STATE	27,712.		N/A	N/A	GENERAL SUPPORT
(2) LAFAYETTE COLLEGE 030 MARQUIS HALL EASTON, PA 19107	24-0795686	501(C)(3)	27,575.		N/A	N/A	GENERAL SUPPORT
(3) UNIVERSITY OF THE SCIENCES IN PHILADELPHIA 600 S 43RD ST PHILADELPHIA, PA 19104	23-1352668	501(C)(3)	27,545.		N/A	N/A	GENERAL SUPPORT
(4) BOSTON UNIVERSITY 881 COMMONWEALTH AVENUE BOSTON, MA 02215	04-2103547	501(C)(3)	27,384.		N/A	N/A	GENERAL SUPPORT
(5) THE UNIVERSITY OF TENNESSEE AT CHATTANOOGA 207 RACE HALL CHATTANOOGA, TN 37403	62-6001636	TN STATE	27,373.		N/A	N/A	GENERAL SUPPORT
(6) AUSTIN PEAY STATE UNIVERSITY 601 COLLEGE ST CLARKSVILLE, TN 37996-0225	62-0646576	TN STATE	27,007.		N/A	N/A	GENERAL SUPPORT
(7) ITHACA COLLEGE 1406 WEST TOWER ITHACA, NY 14850-7034	15-0532204	501(C)(3)	26,955.		N/A	N/A	GENERAL SUPPORT
(8) ST. MARY'S COLLEGE OF MARYLAND 18952 EAST FISHER RD, ST. MARY'S CITY, MD 20742	52-6002033	MD STATE	26,396.		N/A	N/A	GENERAL SUPPORT
(9) CALIFORNIA POLYTECHNIC STATE UNIVERSITY ADMISSIONS OFFICE, ST. LOUIS OBISPO, CA, 93407	95-1648180	501(C)(3)	26,377.		N/A	N/A	GENERAL SUPPORT
(10) SAN DIEGO STATE UNIVERSITY FOUNDATION 5250 CAMPANILE DR, SAN DIEGO, CA 92182	95-6042721	501(C)(3)	26,305.		N/A	N/A	GENERAL SUPPORT
(11) LEHIGH UNIVERSITY 27 MEMORIAL DR. BETHLEHEM, PA 18015	24-0795445	501(C)(3)	25,431.		N/A	N/A	GENERAL SUPPORT
(12) LAMAR UNIVERSITY 4400 SML KING JR PKWY, BEAUMONT, TX 78713	74-6000298	TX STATE	25,208.		N/A	N/A	GENERAL SUPPORT

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(1) COLUMBUS COUNCIL ON WORLD AFFAIRS 51 JEFFERSON AVE COLUMBUS, OH 43216	51-0180760	501(C)(3)	25,000.		N/A	N/A	GENERAL SUPPORT
(2) MASSACHUSETTS INSTITUTE OF TECHNOLOGY 77 MASSACHUSETTS AVE ,CAMBRIDGE, MA 02139	04-2103594	501(C)(3)	24,750.		N/A	N/A	GENERAL SUPPORT
(3) UNIVERSITY OF ARIZONA PO BOX 210066 TUCSON, AZ 85721-0066	74-2652689	AZ STATE	24,661.		N/A	N/A	GENERAL SUPPORT
(4) WILLIAMS COLLEGE 995 MAIN STREET, WILLIAMSTOWN, MA 01267	04-2104847	501(C)(3)	24,534.		N/A	N/A	GENERAL SUPPORT
(5) UNIVERSITY OF SCRANTON 800 LINDEN ST SCRANTON, PA 19107	24-0795495	501(C)(3)	24,035.		N/A	N/A	GENERAL SUPPORT
(6) NEW MEXICO TECH FINANCIAL AID SERVICES SOCORRA, NM 87801	85-6000411	NM STATE	24,000.		N/A	N/A	GENERAL SUPPORT
(7) MARQUETTE UNIVERSITY 1725 STATE STREET LA CROSSE, WI 54601	39-0806251	501(C)(3)	23,383.		N/A	N/A	GENERAL SUPPORT
(8) KENYON COLLEGE 106 COLLEGE PARK DR,GAMBIER , OH 43210-1016	31-4379507	501(C)(3)	23,230.		N/A	N/A	GENERAL SUPPORT
(9) SAMFORD UNIVERSITY 800 LAKESHORE DR HOMEWOOD, AL 35487-0135	63-0312914	501(C)(3)	23,230.		N/A	N/A	GENERAL SUPPORT
(10) AMHERST COLLEGE PO BOX 5000,AMHERST, MA 01002	04-2103542	501(C)(3)	23,090.		N/A	N/A	GENERAL SUPPORT
(11) THE COLORADO COLLEGE 14 EAST CACHE, COLORADO SPRINGS, CO 80903	84-0402510	501(C)(3)	22,799.		N/A	N/A	GENERAL SUPPORT
(12) UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION 300 EAST MARKET ST. LOUISVILLE, KY 40202	61-6033693	501(C)(3)	22,717.		N/A	N/A	GENERAL SUPPORT

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

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

1 (a) Name and address of organization or government	(b) EIN	(c) IRC section (if applicable)	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of noncash assistance	(h) Purpose of grant or assistance
(1) ALABAMA A&M UNIVERSITY 105 PATTON BUILDING, NORMAL, AL 35762	23-7067600	AL STATE	22,500.		N/A	N/A	GENERAL SUPPORT
(2) RENSSELAER POLYTECHNIC INSTITUTE 110 8TH STREETWEST HALL, TROY, NY 12180	14-1340095	501(C)(3)	22,270.		N/A	N/A	GENERAL SUPPORT
(3) SOUTHERN METHODIST UNIVERSITY PO BOX 750181, DALLAS, TX 75275	75-0800689	501(C)(3)	22,134.		N/A	N/A	GENERAL SUPPORT
(4) NORTHERN ILLINOIS UNIVERSITY SWEN PARSON HALL, DEKALB, IL 60115	36-6008480	IL STATE	21,940.		N/A	N/A	GENERAL SUPPORT
(5) TENNESSEE STATE UNIVERSITY 3500 JOHN A MERRITT BLVD, NASHVILLE, TN 37209	62-0786119	TN STATE	21,500.		N/A	N/A	GENERAL SUPPORT
(6) TRUSTEES OF DARTMOUTH COLLEGE DEPARTMENT OF CHEMISTRY, HANOVER, NH 03755	02-0222111	501(C)(3)	21,242.		N/A	N/A	GENERAL SUPPORT
(7) MISSISSIPPI STATE UNIVERSITY PO DRAWER 5227 STARKVILLE, MS 39762	64-6000819	501(C)(3)	20,714.		N/A	N/A	GENERAL SUPPORT
(8) ROCHESTER INSTITUTE OF TECHNOLOGY 56 LOMB MEMORIAL DR, ROCHESTER, NY 14623	16-0743140	501(C)(3)	20,610.		N/A	N/A	GENERAL SUPPORT
(9) THE TOWER FOUNDATION OF SAN JOSE STATE UNIV ONE WASHINGTON SQUARE, SAN JOSE, CA 95192	83-0403915	501(C)(3)	20,324.		N/A	N/A	GENERAL SUPPORT
(10) MISSOURI STATE UNIVERSITY 901S NATIONAL AVE, SPRINGFIELD MO 65211-1230	44-6000308	MO STATE	20,296.		N/A	N/A	GENERAL SUPPORT
(11) FRANKLIN AND MARSHALL COLLEGE 637 COLLEGE AVE, LANCASTER, PA 17603-3003	23-1352635	501(C)(3)	20,224.		N/A	N/A	GENERAL SUPPORT
(12) FURMAN UNIVERSITY GRANTS ADMIN., GREENVILLE, SC 29613	57-0314395	501(C)(3)	20,137.		N/A	N/A	GENERAL SUPPORT

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Schedule I (Form 990) 2021

**SCHEDULE I
(Form 990)**

**Grants and Other Assistance to Organizations,
Governments, and Individuals in the United States**
Complete if the organization answered "Yes" on Form 990, Part IV, line 21 or 22.

OMB No. 1545-0047

2021

**Open to Public
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Department of the Treasury
Internal Revenue Service

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Name of the organization

AMERICAN CHEMICAL SOCIETY

Employer identification number

53-0196572

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(1) CHAPMAN UNIVERSITY ONE UNIVERSITY DRIVE, ORANGE, CA 92866	95-1643992	501(C)(3)	20,094.		N/A	N/A	GENERAL SUPPORT
(2) WEST VIRGINIA UNIVERSITY FOUNDATION INC P O BOX 6045 ORANGE, WV 26506-6045	55-6017181	501(C)(3)	20,000.		N/A	N/A	GENERAL SUPPORT
(3) UNIVERSITY OF ARKANSAS FOUNDATION INC 525 OLD MAIN, FAYETTEVILLE, AR 72701	71-6056774	501(C)(3)	20,000.		N/A	N/A	GENERAL SUPPORT
(4) UNIVERSITY OF MAINE 5703 ALUMNI HALL, ORONO, ME 04469	01-6000769	501(C)(3)	20,000.		N/A	N/A	GENERAL SUPPORT
(5) DELAWARE STATE UNIVERSITY FOUNDATION INC 1200 NORTH DUPONT HIGHWAY DOVER, DE 19901	20-1372435	501(C)(3)	20,000.		N/A	N/A	GENERAL SUPPORT
(6) SOUTHERN UNIVERSITY SYSTEM FOUNDATION PO BOX 9562 BATON ROUGE, LA 70813	23-7052911	501(C)(3)	20,000.		N/A	N/A	GENERAL SUPPORT
(7) SOUTH CAROLINA STATE UNIV FOUNDATION INC PO BOX 7212, ORANGEBURG, SC 29117	23-7113930	501(C)(3)	20,000.		N/A	N/A	GENERAL SUPPORT
(8) RUTGERS UNIVERSITY FOUNDATION 65 BERGEN STREET, NEWARK, NJ 07107	23-7318742	501(C)(3)	20,000.		N/A	N/A	GENERAL SUPPORT
(9) UNIVERSITY OF MINNESOTA FOUNDATION 200 OAK STREET SE, MINNEAPOLIS, MN 55455	41-6042488	501(C)(3)	20,000.		N/A	N/A	GENERAL SUPPORT
(10) CENTRAL COLLEGE BOX 5200, PELLA, IA 50219	42-0680344	501(C)(3)	20,000.		N/A	N/A	GENERAL SUPPORT
(11) IOWA STATE UNIVERSITY FOUNDATION 1608C GILMAN HALL AMES, IA 50011-3111	42-1143702	501(C)(3)	20,000.		N/A	N/A	GENERAL SUPPORT
(12) SOUTH DAKOTA STATE UNIVERSITY FOUNDATION 815 MEDARY AVENUE, BROOKINGS, SD 57006	46-0273801	501(C)(3)	20,000.		N/A	N/A	GENERAL SUPPORT

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(1) THE KANSAS STATE UNIVERSITY FOUNDATION 1800 KIMBALL AVE, MANHATTAN, KS 66502	48-0667209	501(C)(3)	20,000.		N/A	N/A	GENERAL SUPPORT
(2) UNIVERSITY OF MD COLLEGE PARK FOUNDATION 4603 CALVERT ROAD MANHATTAN, MD 20740	52-2197313	501(C)(3)	20,000.		N/A	N/A	GENERAL SUPPORT
(3) VIRGINIA TECH FOUNDATION INC 902 PRICES FORK RD, BLACKSBURG, VA 24061	54-0721690	501(C)(3)	20,000.		N/A	N/A	GENERAL SUPPORT
(4) WEST VIRGINIA UNIVERSITY FOUNDATION PO BOX 1000 BLACKSBURG, WV 25112	55-6019228	501(C)(3)	20,000.		N/A	N/A	GENERAL SUPPORT
(5) NORTH CAROLINA ST UNIV COLL OF SCI FNDRY BOX 8118, RALEIGH, NC 27695	58-1524289	501(C)(3)	20,000.		N/A	N/A	GENERAL SUPPORT
(6) UNIVERSITY OF TENNESSEE FOUNDATION 137 ALUMNI MEMORIAL BLDG, KNOXVILLE, TN 37996	62-1844686	501(C)(3)	20,000.		N/A	N/A	GENERAL SUPPORT
(7) TUSKEGEE UNIVERSITY 102 ARMSTRONG HALL KNOXVILLE, AL 36088	63-0288878	501(C)(3)	20,000.		N/A	N/A	GENERAL SUPPORT
(8) AUBURN UNIVERSITY FOUNDATION 317 SOUTH COLLEGE ST., AUBURN, AL 36849	63-6022422	501(C)(3)	20,000.		N/A	N/A	GENERAL SUPPORT
(9) UNIVERSITY OF ARKANSAS AT PINE BLUFF 1200 N. UNIVERSITY DR., PINE BLUFF, AR 71603	71-6010030	AR STATE	20,000.		N/A	N/A	GENERAL SUPPORT
(10) LSU FOUNDATION 324 HATCHER HALL, BATON ROUGE, LA 70803	72-6020969	501(C)(3)	20,000.		N/A	N/A	GENERAL SUPPORT
(11) OKLAHOMA STATE UNIVERSITY FOUNDATION 400 SOUTH MONROE STILLWATER, OK 74074	73-6097060	501(C)(3)	20,000.		N/A	N/A	GENERAL SUPPORT
(12) MONTANA STATE UNIVERSITY FOUNDATION PO BOX 172750 BOZEMAN, MT 59717	81-6001649	501(C)(3)	20,000.		N/A	N/A	GENERAL SUPPORT

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1 (a) Name and address of organization or government	(b) EIN	(c) IRC section (if applicable)	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of noncash assistance	(h) Purpose of grant or assistance
(1) UNIVERSITY OF WYOMING FOUNDATION 1200 EAST IVINSON ST.LARAMIE, WY 82070	83-0201971	501(C)(3)	20,000.		N/A	N/A	GENERAL SUPPORT
(2) UNIVERSITY OF COLORADO FOUNDATION 1800 N GRANT ST.,DENVER CO 80203	84-6049811	501(C)(3)	20,000.		N/A	N/A	GENERAL SUPPORT
(3) NEW MEXICO STATE UNIV FOUNDATION INC 1305 N HORSESHOE DRIVE LAS CRUCES, NM 88003	85-0170157	501(C)(3)	20,000.		N/A	N/A	GENERAL SUPPORT
(4) UNIVERSITY OF ARIZONA FOUNDATION BUILDING ROOM 225 TUCSON, AZ 85721	86-6050388	501(C)(3)	20,000.		N/A	N/A	GENERAL SUPPORT
(5) UTAH STATE UNIVERSITY 1420 OLD MAIN HILL LOGAN, UT 84322-1420	87-6000528	501(C)(3)	20,000.		N/A	N/A	GENERAL SUPPORT
(6) WASHINGTON STATE UNIVERSITY FOUNDATION DEPARTMENT OF CHEMISTRY, PULLMAN, WA 99164	91-1075542	501(C)(3)	20,000.		N/A	N/A	GENERAL SUPPORT
(7) WESTERN WASHINGTON UNIVERSITY FDTN 516 HIGH STREET OM430 BELLINGHAM, WA 98225	91-6073519	501(C)(3)	20,000.		N/A	N/A	GENERAL SUPPORT
(8) REGENTS OF THE UNIV OF CA - SAN DIEGO 9500 GILMAN DRIVE, LA JOLLA, CA 92093-0013	95-6006144	501(C)(3)	20,000.		N/A	N/A	GENERAL SUPPORT
(9) UNIVERSITY OF HAWAII FOUNDATION 1314 S.KING ST, HONOLULU, HI 96814	99-0085260	501(C)(3)	20,000.		N/A	N/A	GENERAL SUPPORT
(10) UNIVERSITY OF NEW HAMPSHIRE 105 MAIN ST DURHAM, NH 03824	02-6000937	501(C)(3)	19,930.		N/A	N/A	GENERAL SUPPORT
(11) STEVENS INSTITUTE OF TECHNOLOGY 1 CASTLE POINT TERRANCE, HOBOKEN, NJ 07030	22-1487354	501(C)(3)	19,883.		N/A	N/A	GENERAL SUPPORT
(12) CSU FULLERTON AUXILIARY SERVICES CORP. 1121 N.STATE COLL.BLVD,FULLERTON, CA 92831	95-2081258	501(C)(3)	19,721.		N/A	N/A	GENERAL SUPPORT

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(1) UNIVERSITY OF PUERTO RICO MAYAGUEZ PO BOX 9035, MAYAGUEZ, PR 00681	66-0433761	PR GOVT	19,000.		N/A	N/A	GENERAL SUPPORT
(2) WHITMAN COLLEGE 345 BOYER AVE, WALLA WALLA, WA 99362	91-0567740	501(C)(3)	18,795.		N/A	N/A	GENERAL SUPPORT
(3) KENT STATE UNIVERSITY 800 E SUMMIT ST. KENT, OH 43210-1016	31-6402079	501(C)(3)	18,384.		N/A	N/A	GENERAL SUPPORT
(4) UT SOUTHWESTERN 4001 S 700 E, SALT LAKE CITY, UT 84107-2533	84-1383926	501(C)(3)	18,384.		N/A	N/A	GENERAL SUPPORT
(5) NORTHWESTERN UNIVERSITY 1801 HINMAN AVE, EVANSTON, IL 60208	36-2167817	501(C)(3)	17,863.		N/A	N/A	GENERAL SUPPORT
(6) BROWN UNIVERSITY BOX 1911 69 BROWN ST., PROVIDENCE, RI 02912	05-0258809	501(C)(3)	16,875.		N/A	N/A	GENERAL SUPPORT
(7) NORTH CAROLINA STATE UNIVERSITY 2016 HARRIS HALL, RALEIGH, NC 27695	80-0543561	NC STATE	16,688.		N/A	N/A	GENERAL SUPPORT
(8) JAMES MADISON UNIVERSITY 1031 SOUTH MAIN ST. HARRISONBERG, VA 22807	54-6001756	501(C)(3)	16,235.		N/A	N/A	GENERAL SUPPORT
(9) UNIVERSITY OF CALIFORNIA SANTA CRUZ 1156 HIGH STREET, SANTA CRUZ, CA 95064	94-1539563	501(C)(3)	15,000.		N/A	N/A	GENERAL SUPPORT
(10) UNIVERSITY OF CALIFORNIA LOS ANGELES 1125 MURPHY HALL, LOS ANGELES, CA 90095	95-4386558	CA STATE	14,250.		N/A	N/A	GENERAL SUPPORT
(11) UNIVERSITY OF IDAHO 875 PERIMETER DR. MOSCOW, ID 83844	82-6000945	501(C)(3)	14,059.		N/A	N/A	GENERAL SUPPORT
(12) CALIFORNIA STATE UNIVERSITY LONG BEACH 1250 BELLFLOWER BLVD, LONG BEACH, CA 90840	95-6106694	501(C)(3)	13,750.		N/A	N/A	GENERAL SUPPORT

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(1) POLYTECHNIC UNIVERSITY OF PUERTO RICO PO BOX 192017, SAN JUAN, PR 00919-2017	66-0362666	501(C)(3)	12,500.		N/A	N/A	GENERAL SUPPORT
(2) UNIVERSITY OF ST. THOMAS 2115 SUMMIT AVENUE, ST PAUL, MN 55105	41-0693970	501(C)(3)	12,156.		N/A	N/A	GENERAL SUPPORT
(3) AMERICAN ASSOCIATION-ADVANCEMENT OF SCIENCE 1200 NEW YORK AVENUE, WASHINGTON, DC 20005	53-0196568	501(C)(3)	12,000.		N/A	N/A	GENERAL SUPPORT
(4) EMORY UNIVERSITY 200 DOWMAN DRIVE, ATLANTA, GA 30322	58-0566256	501(C)(3)	11,500.		N/A	N/A	GENERAL SUPPORT
(5) VANDERBILT UNIVERSITY 2309 WEST END AVE., NASHVILLE, TN 37203-1725	62-0476822	501(C)(3)	11,375.		N/A	N/A	GENERAL SUPPORT
(6) UNIVERSITY OF SAN DIEGO 5998 ALCALA PARK, SAN DIEGO, CA 92110	95-2544535	501(C)(3)	11,318.		N/A	N/A	GENERAL SUPPORT
(7) MONTCLAIR STATE UNIVERSITY 1 NORMAL AVENUE, MONTCLAIR, NJ 07043	22-2912682	NJ STATE	11,250.		N/A	N/A	GENERAL SUPPORT
(8) NORTHEASTERN UNIVERSITY 354 RICHARDS HALL, BOSTON, MA 02115	04-1679980	501(C)(3)	11,000.		N/A	N/A	GENERAL SUPPORT
(9) UNIVERSITY OF CALIFORNIA, RIVERSIDE 900 UNIVERSITY AVE., RIVERSIDE, CA 92521	95-6006142	501(C)(3)	10,875.		N/A	N/A	GENERAL SUPPORT
(10) UNIVERSITY OF TEXAS RIO GRANDE VALLEY ONE WEST UNIV. BLVD, BROWNVILLE, TX 78520	46-5292740	TX STATE	10,682.		N/A	N/A	GENERAL SUPPORT
(11) ACS, INDIANA SECTION 9330 ZIONSVILLE RD, INDIANAPOLIS, IN 46268	35-6031737	501(C)(3)	10,250.		N/A	N/A	GENERAL SUPPORT
(12) UNIVERSITY OF NEW MEXICO SCHOLARSHIP OFFICE, ALBUQUERQUE, NM 87131	85-6000642	NM STATE	10,250.		N/A	N/A	GENERAL SUPPORT

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(1) NEW COLLEGE OF FLORIDA 5800 BAY SHORE RD, SARASOTA, FL 34243	90-0057281	FL STATE	10,027.		N/A	N/A	GENERAL SUPPORT
(2) NORTH DAKOTA STATE UNIVERSITY FOUNDATION PO BOX 6050, BROOKINGS, ND 57007	23-7120898	501(C)(3)	10,000.		N/A	N/A	GENERAL SUPPORT
(3) THE UNIVERSITY OF CONNECTICUT FNDTN INC 2390 ALUMNI DRIVE, STORRS, CT 06269	06-6070722	501(C)(3)	10,000.		N/A	N/A	GENERAL SUPPORT
(4) LANGSTON UNIVERSITY FOUNDATION RM 310- P.O. BOX 1500 LANGSTON, OK 73050	11-3815948	501(C)(3)	10,000.		N/A	N/A	GENERAL SUPPORT
(5) FLORIDA AGRI AND MECH UNIV FNDTN INC 625 EAST TENNESSEE ST, TALLAHASSE, FL 32308	59-6175096	501(C)(3)	10,000.		N/A	N/A	GENERAL SUPPORT
(6) KENTUCKY STATE UNIVERSITY 400 EAST MAIN FRANKFORT, KY 40601	61-1099712	KY STATE	10,000.		N/A	N/A	GENERAL SUPPORT
(7) MISSISSIPPI STATE UNIVERSITY FOUNDATION PO BOX 6149, MS, 39762	64-0410581	501(C)(3)	10,000.		N/A	N/A	GENERAL SUPPORT
(8) UNIVERSITY OF NEVADA RENO FOUNDATION MAIL STOP 0162 RENO, NV 89557	94-2781749	501(C)(3)	10,000.		N/A	N/A	GENERAL SUPPORT
(9) ACS, ORANGE COUNTY SECTION 428 NORMANDY AVENUE PLACENTA, CA 92870-3430	95-6195920	501(C)(3)	10,000.		N/A	N/A	GENERAL SUPPORT
(10) AUBURN UNIVERSITY 108 MARY MARTIN HALL, AUBURN, AL 36849	63-6000724	501(C)(3)	9,875.		N/A	N/A	GENERAL SUPPORT
(11) PENNSYLVANIA UNIVERSITY 300 NORTH BROADWAY ST, LEXINGTON, KY 40508	61-0444825	501(C)(3)	9,851.		N/A	N/A	GENERAL SUPPORT
(12) UNIV OF PUERTO RICO RIO PIEDRAS PO BOX 23346, SAN JUAN, PR 00931	66-0433760	PR GOVT	9,700.		N/A	N/A	GENERAL SUPPORT

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

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

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

Schedule I (Form 990) 2021

**SCHEDULE I
(Form 990)**

**Grants and Other Assistance to Organizations,
Governments, and Individuals in the United States**
Complete if the organization answered "Yes" on Form 990, Part IV, line 21 or 22.

OMB No. 1545-0047

2021

**Open to Public
Inspection**

Department of the Treasury
Internal Revenue Service

▶ 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 General Information on Grants and Assistance

- 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
- Describe in Part IV the organization's procedures for monitoring the use of grant funds in the United States.

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

1 (a) Name and address of organization or government	(b) EIN	(c) IRC section (if applicable)	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of noncash assistance	(h) Purpose of grant or assistance
(1) MANHATTAN COLLEGE 4513 MANHATTAN COLLEGE PKWY, BRONX, NY 10471	13-1740468	501(C)(3)	9,692.		N/A	N/A	GENERAL SUPPORT
(2) BUCKNELL UNIVERSITY FINANCE OFFICE 112 MARTS HALL LEWISBURG, PA	24-0772407	501(C)(3)	9,663.		N/A	N/A	GENERAL SUPPORT
(3) DREXEL UNIVERSITY 3141 CHESTNUT STREET, PHILADELPHIA, PA 19104	23-1352630	501(C)(3)	9,625.		N/A	N/A	GENERAL SUPPORT
(4) HOWARD UNIVERSITY MSC 590501, WASHINGTON DC 20059	53-0204707	501(C)(3)	9,500.		N/A	N/A	GENERAL SUPPORT
(5) HARVARD UNIVERSITY 1350 MASSACHUSETTS AVE, CAMBRIDGE, MA 02138	04-2103580	501(C)(3)	9,500.		N/A	N/A	GENERAL SUPPORT
(6) UNIVERSITY OF CENTRAL FLORIDA 4000 CENTRAL FLORIDA BLVD, ORLANDO, FL 32816	59-2924021	FL STATE	9,375.		N/A	N/A	GENERAL SUPPORT
(7) EASTERN ILLINOIS UNIVERSITY 600 LINCOLN AVENUE, CHARLESTON, IL 61920	37-6013590	IL STATE	9,222.		N/A	N/A	GENERAL SUPPORT
(8) SWARTHMORE COLLEGE 500 COLLEGE AVENUE SWARTHMORE, PA 19081	23-1352683	501(C)(3)	9,192.		N/A	N/A	GENERAL SUPPORT
(9) THE UNIVERSITY OF TEXAS AT TYLER 3900 UNIVERSITY BLVD. TYLER, TX 75799	75-1396988	TX STATE	9,192.		N/A	N/A	GENERAL SUPPORT
(10) STEPHEN F. AUSTIN STATE UNIVERSITY 1936 NORTH STREET, NACOGDOCHES, TX 75962	75-6002514	TX STATE	9,072.		N/A	N/A	GENERAL SUPPORT
(11) CITY COLLEGE OF NY CITY UNIVERSITY OF NY 65-30 KISSENA BLVD, FLUSHINGS, NY 11367	13-3893536	NY STATE	9,000.		N/A	N/A	GENERAL SUPPORT
(12) FLORIDA GULF COAST UNIVERSITY 10501 FGCU BLVD. FORT MEYERS, FL 33965	65-0753801	FL STATE	8,799.		N/A	N/A	GENERAL SUPPORT

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

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

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

Schedule I (Form 990) 2021

**SCHEDULE I
(Form 990)**

**Grants and Other Assistance to Organizations,
Governments, and Individuals in the United States**
Complete if the organization answered "Yes" on Form 990, Part IV, line 21 or 22.

OMB No. 1545-0047

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Name of the organization

AMERICAN CHEMICAL SOCIETY

Employer identification number

53-0196572

Part I General Information on Grants and Assistance

- 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
- Describe in Part IV the organization's procedures for monitoring the use of grant funds in the United States.

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

1 (a) Name and address of organization or government	(b) EIN	(c) IRC section (if applicable)	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of noncash assistance	(h) Purpose of grant or assistance
(1) GRAND VALLEY STATE UNIVERSITY 201 LAKE MICHIGAN HALL, ALLENDALE, MI 49401	38-1684280	501(C)(3)	8,384.		N/A	N/A	GENERAL SUPPORT
(2) COLBY COLLEGE 4120 MAYFLOWER HILL, WATERVILLE, ME 04901	01-0211497	501(C)(3)	8,022.		N/A	N/A	GENERAL SUPPORT
(3) CREIGHTON UNIVERSITY 2500 CALIFORNIA PLAZA, OMAHA, NE 68178	47-0376583	501(C)(3)	7,910.		N/A	N/A	GENERAL SUPPORT
(4) MIDDLE TENNESSEE STATE UNIVERSITY 1301 E. MAIN ST. MURFREESBORO, TN 37132	62-6005794	TN STATE	7,799.		N/A	N/A	GENERAL SUPPORT
(5) WAGNER COLLEGE ONE CAMPUS ROAD, STATEN ISLAND, NY 10301	13-5604699	501(C)(3)	7,688.		N/A	N/A	GENERAL SUPPORT
(6) OHIO UNIVERSITY GRANTS ACCOUNTING, ATHENS OH 45701	31-6402113	OH STATE	7,500.		N/A	N/A	GENERAL SUPPORT
(7) SUNY POTSDAM 44 PIERREPONT AVE, POTSDAM, NY 13676	83-1059248	501(C)(3)	7,500.		N/A	N/A	GENERAL SUPPORT
(8) SAINT PETER'S UNIVERSITY 2641 J.F.KENNEDY BLVD, JERSEY CITY, NJ 07306	22-1508627	501(C)(3)	7,500.		N/A	N/A	GENERAL SUPPORT
(9) PELOTONIA 450 W BROAD ST, COLUMBUS, OH 43216	82-4997087	501(C)(3)	7,100.		N/A	N/A	GENERAL SUPPORT
(10) UNIVERSITY OF TEXAS AT SAN ANTONIO ONE UTSA CIRCLE, SAN ANTONIO, TX 78249	74-1717115	TX STATE	6,500.		N/A	N/A	GENERAL SUPPORT
(11) PRAIRIE VIEW A&M UNIVERSITY PO BOX 519MS 1329, PRAIRIE VIEW, TX 77446	74-6001078	TX STATE	6,500.		N/A	N/A	GENERAL SUPPORT
(12) UNIVERSITY OF NEVADA RENO 1664 N VIRGINIA ST. RENO, NV 89557	94-2781749	501(C)(3)	6,500.		N/A	N/A	GENERAL SUPPORT

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

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

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

Schedule I (Form 990) 2021

**SCHEDULE I
(Form 990)**

**Grants and Other Assistance to Organizations,
Governments, and Individuals in the United States**
Complete if the organization answered "Yes" on Form 990, Part IV, line 21 or 22.

OMB No. 1545-0047

2021

**Open to Public
Inspection**

Department of the Treasury
Internal Revenue Service

▶ Attach to Form 990.

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

Name of the organization

Employer identification number

AMERICAN CHEMICAL SOCIETY

53-0196572

Part I General Information on Grants and Assistance

- 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
- Describe in Part IV the organization's procedures for monitoring the use of grant funds in the United States.

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

1 (a) Name and address of organization or government	(b) EIN	(c) IRC section (if applicable)	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of noncash assistance	(h) Purpose of grant or assistance
(1) HARVARD COLLEGE 1350 MASSACHUSETTS AVE. CAMBRIDGE, MA 02138	04-2103580	501(C)(3)	6,200.		N/A	N/A	GENERAL SUPPORT
(2) TEACHERS COLLEGE COLUMBIA UNIVERSITY 133 THOMPSON HALL, NEW YORK, NY 10027	13-1624202	501(C)(3)	6,000.		N/A	N/A	GENERAL SUPPORT
(3) UNIVERSITY OF NEBRASKA BOARD OF REGENTS 2504 9TH AVE, KEARNEY, NE 68849	47-0049123	501(C)(3)	6,000.		N/A	N/A	GENERAL SUPPORT
(4) UNIVERSITY OF GEORGIA OFF. OF STUDENT AID, ATHENS, GA 30602	58-6033837	501(C)(3)	6,000.		N/A	N/A	GENERAL SUPPORT
(5) HAMPTON UNIVERSITY 100 EAST QUEEN & TYLER ST, HAMPTON, VA 23688	54-0505990	501(C)(3)	5,775.		N/A	N/A	GENERAL SUPPORT
(6) UNITED STATES NAVAL ACADEMY 181 WAINWRIGHT RD., ANNAPOLIS, MD 21402	52-1261462	US FED GOVT	5,515.		N/A	N/A	GENERAL SUPPORT
(7) UNIVERSITY OF ALABAMA BIRMINGHAM 1720 2ND AVE BIRMINGHAM, AL 35294	63-6001138	501(C)(3)	5,500.		N/A	N/A	GENERAL SUPPORT
(8) ACS, MIDLAND SECTION 3408 MCKEITH CT, MIDLAND, MI 48642-3875	38-6076239	501(C)(3)	5,400.		N/A	N/A	GENERAL SUPPORT
(9)							
(10)							
(11)							
(12)							

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

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

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

Schedule I (Form 990) 2021

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 non-cash assistance	(e) Method of valuation (book, FMV, appraisal, other)	(f) Description of non-cash assistance
1 AWARDS	102	842,867.		N/A	N/A
2 FELLOWSHIPS	560	1,132,668.		N/A	N/A
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.

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,

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 non-cash assistance	(e) Method of valuation (book, FMV, appraisal, other)	(f) Description of non-cash assistance
1					
2					
3					
4					
5					
6					
7					

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

AND RELEVANT PUBLICATIONS/PRESENTATIONS. ACS REVIEWS ALL REPORTS

SUBMITTED TO ENSURE COMPLIANCE WITH GRANT BUDGETS, ACS POLICIES, AND LEGAL

REQUIREMENTS.

**SCHEDULE J
(Form 990)**

Department of the Treasury
Internal Revenue Service

Name of the organization

Compensation Information

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

- ▶ Complete if the organization answered "Yes" on Form 990, Part IV, line 23.
- ▶ Attach to Form 990.
- ▶ Go to www.irs.gov/Form990 for instructions and the latest information.

OMB No. 1545-0047

2021

Open to Public Inspection

AMERICAN CHEMICAL SOCIETY

Employer identification number

53-0196572

Part I Questions Regarding Compensation

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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.

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

	Yes	No
1b	X	
2	X	
4a	X	
4b		X
4c		X
5a		X
5b		X
6a		X
6b		X
7		X
8		X
9		

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

Schedule J (Form 990) 2021

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

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

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

(A) Name and Title		(B) Breakdown of W-2 and/or 1099-MISC and/or 1099-NEC compensation			(C) Retirement and other deferred compensation	(D) Nontaxable benefits	(E) Total of columns (B)(i)-(D)	(F) Compensation in column (B) reported as deferred on prior Form 990
		(i) Base compensation	(ii) Bonus & incentive compensation	(iii) Other reportable compensation				
1 DR. THOMAS M. CONNELLY, J CHIEF EXECUTIVE OFFIC	(i)	798,202.	328,350.	14,478.	26,100.	37,185.	1,204,315.	NONE
	(ii)				NONE	NONE	NONE	NONE
2 MR. FLINT H. LEWIS SECRETARY & GENERAL C	(i)	407,364.	118,793.	6,376.	26,100.	25,658.	584,291.	NONE
	(ii)				NONE	NONE	NONE	NONE
3 MR. ALBERT HORVATH TREASURER & CFO	(i)	444,583.	130,724.	6,714.	26,100.	24,879.	633,000.	NONE
	(ii)				NONE	NONE	NONE	NONE
4 MR. MANUEL GUZMAN PRESIDENT, CAS	(i)	829,223.	352,621.	5,123.	26,100.	37,303.	1,250,370.	NONE
	(ii)				NONE	NONE	NONE	NONE
5 MR. JOHN R. SULLIVAN CHIEF INFORMATION OFF	(i)	423,424.	124,383.	4,210.	26,100.	38,314.	616,431.	NONE
	(ii)				NONE	NONE	NONE	NONE
6 DR. JAMES MILNE PRESIDENT, ACS Pubs	(i)				NONE	NONE	NONE	NONE
	(ii)	452,530.	200,275.	15,362.	NONE	45,710.	713,877.	NONE
7 MR. BOLLAMPALLI RAO CTO VP INFO TECH, CAS	(i)	425,040.	156,583.	6,771.	26,100.	40,987.	655,481.	NONE
	(ii)				NONE	NONE	NONE	NONE
8 DR. MICHAEL DENNIS VP, LEGAL ADM, PMO & I	(i)	367,713.	133,805.	3,612.	25,150.	35,536.	565,816.	NONE
	(ii)				NONE	NONE	NONE	NONE
9 MR. CRAIG STEPHENS SVP SALES & MARKETING	(i)	369,775.	127,893.	4,556.	26,100.	38,185.	566,509.	NONE
	(ii)				NONE	NONE	NONE	NONE
10 MR. BRANDON NORDIN SVP SALES, MKTG DGT	(i)	222,533.	296,762.	184,187.	24,204.	17,995.	745,681.	NONE
	(ii)				NONE	NONE	NONE	NONE
11 MR. ERIC R. KIMBALL VP FINANCE, CAS	(i)	366,585.	131,935.	3,560.	26,100.	18,268.	546,448.	NONE
	(ii)				NONE	NONE	NONE	NONE
12	(i)							
	(ii)							
13	(i)							
	(ii)							
14	(i)							
	(ii)							
15	(i)							
	(ii)							
16	(i)							
	(ii)							

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.

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: HEALTH CLUB FEES: THIS IS A BENEFIT OFFERED TO ALL EMPLOYEES. THERE WAS ONE LISTED PERSON WHO ELECTED TO UTILIZE THIS BENEFIT. THIS BENEFIT WAS TREATED AS TAXABLE COMPENSATION TO EACH LISTED PERSON.

TYPE OF BENEFIT: TAX GROSS UP: IN 2021, ONE HIGHLY COMPENSATED EMPLOYEE WAS PROVIDED AMOUNTS TO COVER THE TAX LIABILITY (GROSS UP) ON HEALTH CLUB EXPENSES.

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.

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.

THE BENEFIT WAS NOT TREATED AS TAXABLE COMPENSATION FOR EACH EMPLOYEE.

ACS DOES NOT REIMBURSE EXPENSES INCURRED FOR PERSONAL USE.

PART I, LINE 4A:

IN 2021, SEVERANCE IN THE AMOUNT OF \$108,481.44 WAS PAID TO ONE HIGHLY
COMPENSATED EMPLOYEE.

**SCHEDULE L
(Form 990)**

Department of the Treasury
Internal Revenue Service

Transactions With Interested Persons

▶ Complete if the organization answered "Yes" on Form 990, Part IV, line 25a, 25b, 26, 27, 28a, 28b, or 28c, or Form 990-EZ, Part V, line 38a or 40b.

▶ Attach to Form 990 or Form 990-EZ.

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

OMB No. 1545-0047

2021

**Open To Public
Inspection**

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
(1)					
(2)					
(3)					
(4)					
(5)					
(6)					

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

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

Part II Loans to and/or From Interested Persons.

Complete if the organization answered "Yes" on Form 990-EZ, Part V, line 38a or Form 990, Part IV, line 26; or if the organization reported an amount on Form 990, Part X, line 5, 6, or 22.

(a) Name of interested person	(b) Relationship with organization	(c) Purpose of loan	(d) Loan to or from the organization?		(e) Original principal amount	(f) Balance due	(g) In default?		(h) Approved by board or committee?		(i) Written agreement?	
			To	From			Yes	No	Yes	No	Yes	No
			(1)									
(2)												
(3)												
(4)												
(5)												
(6)												
(7)												
(8)												
(9)												
(10)												
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
(1)				
(2)				
(3)				
(4)				
(5)				
(6)				
(7)				
(8)				
(9)				
(10)				

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

Schedule L (Form 990) 2021

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	SEE SUPPLEMENTAL INFO.	184,197.	EMPLOYMENT		X
(2)					
(3)					
(4)					
(5)					
(6)					
(7)					
(8)					
(9)					
(10)					

Part V Supplemental Information

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

PART IV, LINE1

- (A) NAME OF INTERESTED PERSON: JODI WESEMANN
- (B) RELATIONSHIP: ACS EMPLOYEE AND SPOUSE OF DR. WAYNE E. JONES, JR. ACS

DIRECTOR-AT-LARGE
- (C) AMOUNT: \$184,197
- (D) DESCRIPTION OF TRANSACTION: EMPLOYMENT
- (E) SHARING ORGANIZATION REVENUE? NO

**SCHEDULE M
(Form 990)**

Noncash Contributions

OMB No. 1545-0047

2021

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Department of the Treasury
Internal Revenue Service

- ▶ Complete if the organizations answered "Yes" on Form 990, Part IV, lines 29 or 30.
- ▶ Attach to Form 990.
- ▶ Go to www.irs.gov/Form990 for instructions and 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		10,000.	FMV
5 Clothing and household goods				
6 Cars and other vehicles.				
7 Boats and planes				
8 Intellectual property				
9 Securities - Publicly traded	X	3	102,305.	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 ▶ (ENTRY TICKETS)	X	1	11,085.	FMV
26 Other ▶ ()				
27 Other ▶ ()				
28 Other ▶ ()				

29 Number of Forms 8283 received by the organization during the tax year for contributions for which the organization completed Form 8283, Part V, Donee Acknowledgement **29** NONE

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

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

Schedule M (Form 990) 2021

JSA

1E1298 1.000

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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.

PART 1, LINE 9 AND LINE 25

PART 1, LINE 9:

PUBLICLY TRADED SECURITIES ARE REPORTED BY THE NUMBER OF CONTRIBUTIONS
RECEIVED IN 2021.

PART 1, LINE 25:

THE ENTRY TICKETS ARE REPORTED BY THE NUMBER OF CONTRIBUTIONS RECEIVED IN
2021.

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

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Name of the organization

AMERICAN CHEMICAL SOCIETY

Supplemental Information to Form 990 or 990-EZ

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FORM 990, 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.

FORM 990, PART V, LINES 4A & 4B:

IN 2021, THE ACS MAINTAINED BANK ACCOUNTS IN THE UNITED KINGDOM AND INDIA FOR PURPOSES OF COLLECTING REVENUE AND PAYING EXPENSES DENOMINATED IN FOREIGN CURRENCIES.

FORM 990, PART VI, SECTION A, LINE 2:

IN 2021, 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), FLINT LEWIS (ACSI DIRECTOR), AND ALBERT HORVATH (SECRETARY/TREASURER). THEY RECEIVED NO COMPENSATION FOR THEIR SERVICE AS DIRECTOR OR OFFICER OF ACSI.

FORM 990, PART VI, SECTION A, LINE 4:

IN 2021, CHANGES TO THE ACS GOVERNING DOCUMENTS WERE MADE AND INCLUDED THE FOLLOWING:
CHANGES WERE MADE TO THE STANDING RULES TO HARMONIZE ACS COMMITTEE STRUCTURE, PROCESSES, AND TERMS; AMEND DUTIES OF TWO SOCIETY COMMITTEES;

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AND UPDATES WERE MADE TO THE MEMBERSHIP DUES AND BENEFIT PACKAGES.

FORM 990, PART VI, SECTION A, LINE 6:

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 2021, 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,

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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.

FORM 990, PART VI, SECTION A, LINE 7A & 7B

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 RESIDING IN THE US AUTOMATICALLY BECOME MEMBERS OF AN ACS LOCAL SECTION WHILE ALL MEMBERS MAY CHOOSE TO JOIN AN ACS DIVISION. 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 2021, THE ACS HAD 149,107 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

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ACS COUNCIL IS COMPOSED OF THE ACS PRESIDENT, THE PRESIDENT-ELECT, THE DIRECTORS, THE PAST PRESIDENTS, THE CHIEF EXECUTIVE OFFICER, 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 2021, ACS HAD 32 DIVISIONS AND 185 LOCAL SECTIONS). TWENTY PERCENT OF ELECTED COUNCILORS ARE ELECTED BY DIVISIONS AND 80% ARE ELECTED BY LOCAL SECTIONS.

PART VI, SECTION A, LINE 7B

ACCORDING TO THE ACS CONSTITUTION, EACH PETITION FOR AMENDMENT OF THE CONSTITUTION SHALL REQUIRE THE APPROVAL OF THE ACS COUNCIL AND NO AMENDMENT TO THE CONSTITUTION CAN BE ADOPTED WITHOUT A TWO-THIRDS VOTE OF THE ACS MEMBERS CASTING VOTES.

FORM 990, PART VI, SECTION B, LINE 11B:

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, CHIEF OPERATING OFFICER, SECRETARY & GENERAL COUNSEL, AND THE CHIEF EXECUTIVE OFFICER.

IN ADDITION, THE RETURN WAS REVIEWED BY THE SOCIETY'S EXTERNAL TAX

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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.

FORM 990, PART VI, SECTION B, LINE 12C:

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 CHIEF EXECUTIVE OFFICER) 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,

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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.

FORM 990, PART VI, SECTION B, LINES 15A & 15B:

THE ACS BOARD OF DIRECTORS DETERMINES THE SALARIES AND INCENTIVE PAY OF THE ORGANIZATION'S CHIEF EXECUTIVE OFFICER, TOP MANAGEMENT OFFICIALS, OTHER OFFICERS, AND KEY EMPLOYEES.

THE ACS BOARD OF DIRECTORS IS ADVISED ON THE SALARIES AND INCENTIVE PAYMENTS FOR THE CHIEF EXECUTIVE OFFICER, 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

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"EXPERTISE IN SENIOR AND EXECUTIVE STAFF COMPENSATION ISSUES" WHO ARE APPOINTED BY THE ACS BOARD CHAIR - AS WELL AS THE CHIEF EXECUTIVE OFFICER 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 CHIEF EXECUTIVE OFFICER 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 CHIEF EXECUTIVE OFFICER, OFFICERS, TOP MANAGEMENT OFFICIALS, AND KEY EMPLOYEES IN 2021 WERE BASED ON THE 2020 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 CHIEF EXECUTIVE OFFICER WERE ALSO REVIEWED

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BY THE CRED SUBCOMMITTEE. THE WRITTEN PERFORMANCE REVIEWS AND RELATED DOCUMENTATION WERE PROVIDED TO THE COMMITTEE MEMBERS AND THE ACS BOARD OF DIRECTORS. SALARY INCREASES FOR ACS EXECUTIVES, BASED UPON PRIOR YEAR PERFORMANCE, WERE PROCESSED IN THE FIRST QUARTER OF 2022.

FORM 990, PART VI, SECTION C, LINE 19:

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](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.

FORM 990, PART XI, LINE 9:

OTHER CHANGES IN NET ASSETS OR FUND BALANCES:

CHANGE IN PENSION FUNDING STATUS	(\$13,822,188)
ADJUSTMENTS TO CONTRIBUTIONS	(\$176,995)
GRANT REFUNDS	\$283,726
ADJUSTMENTS TO PLEDGES RECEIVABLE	(\$129,000)
OTHER CHANGES	(\$58)
LINE 9, OTHER CHANGES IN NET ASSETS	(\$13,844,515)

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FORM 990, PART III - PROGRAM SERVICE

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LINE 4A, PROGRAM SERVICE

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, 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.

CAS PROVIDES SCIENTIFIC INFORMATION SOLUTIONS, PARTNERING WITH INNOVATORS AROUND THE WORLD TO ACCELERATE SCIENTIFIC BREAKTHROUGHS. CAS EMPLOYS EXPERTS WHO CURATE, CONNECT, AND ANALYZE SCIENTIFIC KNOWLEDGE TO REVEAL UNSEEN CONNECTIONS. FOR OVER 100 YEARS, SCIENTISTS, PATENT PROFESSIONALS, AND BUSINESS LEADERS HAVE RELIED ON CAS SOLUTIONS AND EXPERTISE TO PROVIDE THE HINDSIGHT, INSIGHT, AND FORESIGHT THEY NEED SO THEY CAN BUILD UPON THE LEARNINGS OF THE PAST TO DISCOVER A BETTER FUTURE.

CAS PROVIDES POWERFUL INFORMATION SOLUTIONS, INCLUDING THE CAS SCIFINDER DISCOVERY PLATFORM(TM) AND THE STN IP PROTECTION SUITE(TM) THAT IMPROVE PRODUCTIVITY AND HELP ADVANCE DISCIPLINES - BE IT IN CHEMISTRY AND RELATED SCIENCES OR INTELLECTUAL PROPERTY. CAS'S BROAD-BASED, EASY TO USE 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 GREATEST CHALLENGES IN AREAS FROM TREATMENT OF DISEASE TO SUSTAINABLE ENERGY, OR TO GLOBAL FOOD SUPPLY NEEDS.

CAS BRINGS UNIQUE CAPABILITIES TO DESIGN CAS CUSTOM SERVICES THAT MAXIMIZE THE STRATEGIC IMPACT OF SCIENTIFIC INFORMATION, INCLUDING DIGITAL ASSETS, POWERING DATA-DRIVEN DECISIONS AND ENABLING ORGANIZATIONS TO INNOVATE MORE EFFICIENTLY.

IN 2021, CAS CONTINUED TO PARTNER WITH GLOBAL INNOVATORS TO SPEED DISCOVERY IN DEVELOPING VACCINES AND THERAPEUTICS FOR COVID-19 RESEARCH, LEVERAGING INSIGHTS FROM THE COMPREHENSIVE CAS CONTENT COLLECTION. CAS ALSO ELEVATED THE SOPHISTICATION OF ITS SCIENTIFIC INFORMATION SOLUTIONS INCLUDING EXPANDING RETROSYNTHESIS CAPABILITIES, BIOSEQUENCE CONTENT AND SEARCH

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FORM 990, PART III - PROGRAM SERVICE

FUNCTIONALITY, AND FORMULATIONS CAPABILITIES, AS EXAMPLES. CAS DELIVERED ENHANCED COMMUNICATIONS, SHARING SCIENTIFIC INFORMATION INSIGHTS DERIVED FROM THE EXTENSIVE CAS CONTENT COLLECTION.

ACS PUBLICATIONS DELIVERED A STRONG PERFORMANCE IN 2021 DESPITE THE GLOBAL CHALLENGES CAUSED BY THE COVID-19 PANDEMIC. THE DIVISION CONTINUED TO MAKE ALL COVID-19 RELEVANT CONTENT FREE-TO-ACCESS, SUPPORTING THE FIGHT AGAINST THE VIRUS, AND INCREASING PUBLIC AWARENESS THROUGH RELEVANT JOURNAL ARTICLES. ALTHOUGH THE DIFFICULT ENVIRONMENT REDUCED THE OUTPUT OF RESEARCH LABS WORLDWIDE, ACS JOURNALS CONTINUED TO GROW IN SUBMISSIONS, USAGE, AND CITATIONS. IN 2021, THE DIVISION COMPLETED ITS BOLD INITIATIVE TO SUPPORT OPEN ACCESS (OA) PUBLISHING WITH THE INTRODUCTION OF NINE 'ACS AU' PURE OA JOURNALS TO ACCOMPANY JACS AU. THESE JOURNALS EXPAND THE DIVISION'S ABILITY TO MEET THE NEEDS OF AUTHORS WHO ARE FACING OA PUBLICATION MANDATES FROM THEIR FUNDERS AND INSTITUTIONS.

THE DIVISION'S NEW DIGITAL TRANSFORMATION GROUP BEGAN WORK TO ACCELERATE DIGITAL INITIATIVES AND INCREASE THE DIVERSIFICATION OF ACS PUBLICATIONS OFFERINGS. FOR 2021, THIS INCLUDED THE INTRODUCTION OF THE ACS INSTITUTE, AN ONLINE LEARNING PLATFORM OFFERING DEVELOPED IN COLLABORATION WITH THE EDUCATION DIVISION, DELIVERING A COLLECTION OF LEARNING AND TRAINING RESOURCES. A COMPREHENSIVE STRATEGIC PRODUCT ROADMAP COVERING FUTURE NEW PRODUCT INNOVATIONS WAS ALSO DEFINED.

2021 HIGHLIGHTS INCLUDED THE FOLLOWING:

> ACS JOURNALS CONTINUED THEIR GLOBAL LEADERSHIP AND INFLUENCE

- THE PORTFOLIO OF ACS PEER REVIEWED JOURNALS CONTINUED TO REPRESENT THE MOST TRUSTED, MOST CITED, MOST READ SCIENTIFIC PUBLICATIONS IN THEIR RESPECTIVE FIELDS. DURING 2021, KEY EDITORIAL AND QUALITY METRICS CONTINUED TO SHOW STRONG PERFORMANCE, WITH:

- 62K ARTICLES PUBLISHED

- OVER 220 MILLION FULL TEXT ARTICLE DOWNLOADS

- NEARLY 4.2 MILLION TOTAL CITATIONS REPORTED, AN INCREASE OF 15% FROM PREVIOUS YEAR

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FORM 990, PART III - PROGRAM SERVICE

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- 58% OF JOURNALS ACHIEVING THEIR HIGHEST EVER IMPACT FACTOR,
AND

- NEWLY INTRODUCED TITLES WERE INCLUDED IN KEY DATABASES SUCH
AS THE WEB OF SCIENCE(TM), THE EMERGING SOURCES CITATION INDEX,
AND THE DIRECTORY OF OPEN ACCESS JOURNALS

> ACS JOURNALS EXPANDED THEIR GLOBAL PRESENCE. REFLECTING THE
GLOBAL NATURE OF 21ST CENTURY SCIENCE, ACS JOURNALS INCREASED
THEIR ENGAGEMENT WITH THE GLOBAL COMMUNITY OF RESEARCHERS THROUGH
THE IDENTIFICATION AND APPOINTMENT OF RESEARCH-ACTIVE SCIENTISTS
TO KEY EDITORIAL POSTS.

> ACS JOURNALS ENABLED OPEN ACCESS/OPEN SCIENCE. ACS PUBLICATIONS
CONTINUED ITS LEADING ACTIVITIES AND ENGAGEMENT TO ENABLE OPEN
ACCESS/OPEN SCIENCE:

- A SUITE OF FULL (GOLD) OPEN ACCESS JOURNALS WAS INTRODUCED
INCLUDING JACS AU AND NINE ACS AU TITLES TO COVER THE BROAD
DIVERSITY OF CHEMISTRY RESEARCH. THESE TEN NEW TITLES HELPED
CEMENT ACS PUBLICATIONS AS A LEADER IN OPEN ACCESS AND
COLLECTIVELY PUBLISHED OVER 500 ARTICLES IN THEIR FIRST YEAR WHILE
MAINTAINING HIGH STANDARDS OF QUALITY.

- INCLUDING ACS OMEGA AND ACS CENTRAL SCIENCE, THE DIVISION'S
PORTFOLIO OF FULLY OPEN ACCESS JOURNALS PUBLISHED 4,000 ARTICLES
IN 2021, AND ACROSS THE ENTIRE PORTFOLIO, APPROXIMATELY 19% OF
TOTAL CONTENT WAS PUBLISHED OPEN ACCESS.

- THE DIVISION CONTINUED TO SUPPORT A WIDE VARIETY OF ACCESS
MODELS TO BEST MEET THE NEEDS OF AUTHORS, INSTITUTIONS, AND
FUNDERS TRANSITIONING TO FULL OPEN ACCESS. TRANSFORMATIVE 'READ +
PUBLISH' AGREEMENTS NOW COVER ALMOST 400 INSTITUTIONS IN 25
COUNTRIES.

- A NEW PUBLICATION PROCESS WAS INTRODUCED TO SIMPLIFY THE
WAY AUTHORS CAN MAKE THEIR ARTICLE OPEN ACCESS, UTILIZING
INSTITUTIONAL OR FUNDER CREDITS, AND

- CHEMRXIV, THE DIVISION'S PREPRINT COLLABORATION WITH THE
CHINESE CHEMICAL SOCIETY, THE CHEMICAL SOCIETY OF JAPAN, THE
GERMAN CHEMICAL SOCIETY, AND THE ROYAL SOCIETY OF CHEMISTRY,

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FORM 990, PART III - PROGRAM SERVICE

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MIGRATED TO THE CAMBRIDGE OPEN ENGAGE PLATFORM. THE NEW PLATFORM PROVIDES AN IMPROVED, STREAMLINED EXPERIENCE FOR AUTHORS AND READERS. IN 2021, CHEMRXIV PASSED 10,000 POSTED PREPRINTS AND 28 MILLION VIEWS/DOWNLOADS.

> ACS JOURNALS INTRODUCED NEW DATA POLICIES AND GUIDELINES. ACS PUBLICATIONS TOOK KEY STEPS TO ENSURE RESULTS REPORTED IN ACS JOURNALS ARE VERIFIABLE, REPRODUCIBLE, AND EASILY ACCESSIBLE TO RESEARCHERS THROUGH THE FOLLOWING INITIATIVES:

- THE ACS RESEARCH DATA POLICY PROVIDED BEST PRACTICE RECOMMENDATIONS FOR DATA CITATION, DATA AVAILABILITY STATEMENTS, AND THE USE OF APPROPRIATE DATA REPOSITORIES.

- AN EVOLVING SET OF DATA GUIDELINES BY SUB-FIELD AND DATA-TYPE PROVIDED AUTHORS WITH SPECIFIC INSTRUCTIONS ON HOW TO MAKE DATA AVAILABLE AND COMPLY WITH DISCIPLINE-SPECIFIC STANDARDS.

- JOINED THE RESEARCH DATA ALLIANCE AND ENDORSED THE JOINT DECLARATION OF THE DATA CITATION PRINCIPLES.

> DIGITAL TRANSFORMATION ACCELERATED PORTFOLIO DIVERSIFICATION. THE NEWLY FORMED DIGITAL TRANSFORMATION GROUP ACCELERATED VARIOUS DIGITAL INITIATIVES WITHIN THE PUBLICATIONS DIVISION TO INCREASE THE DIVERSIFICATION OF ITS OFFERINGS:

- THE ACS INSTITUTE, AN ONLINE LEARNING PLATFORM DEVELOPED IN COLLABORATION WITH THE EDUCATION DIVISION WAS LAUNCHED. THE INSTITUTE IS ORGANIZED INTO SEVEN CENTERS OFFERING A COLLECTION OF LEARNING AND TRAINING RESOURCES.

- OVER 5,000 POSTERS WERE UPLOADED TO SCIMEETINGS AND ATTRACTED OVER 210,000 EVENT PAGE VIEWS.

- OVER 140 INSTITUTIONS ADOPTED ACS IN FOCUS BOOKS.

- THE DIGITAL TRANSFORMATION OFFICE (DTO) WAS FORMED TO CONDUCT EXTERNAL CUSTOMER DISCOVERY, AND ALIGN INNOVATION INITIATIVES WITH FINANCIAL GOALS.

> ACS JOURNALS ADVANCED PUBLISHING INTEGRITY AND DEIR INITIATIVES. THE PUBLICATIONS DIVISION ESTABLISHED A PUBLISHING INTEGRITY OFFICE TO ENCOMPASS THE AREAS OF PUBLICATION ETHICS, DATA

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AVAILABILITY AND REPRODUCIBILITY, AND DIVERSITY, EQUITY, INCLUSION, AND RESPECT (DEIR) IN PUBLISHING. THE DIVISION CONTINUED TO ADVANCE THE COMMITMENTS MADE IN 2020 TO CONFRONT RACISM IN CHEMISTRY JOURNALS AND ACCELERATE CHANGE WITHIN THE SCHOLARLY COMMUNICATIONS INDUSTRY:

- MORE THAN 30,000 SURVEY RESPONSES COLLECTED FROM CONTRIBUTORS REPORTING ON THEIR DEMOGRAPHIC DATA. THIS INFORMATION, CONCLUSIONS, AND FUTURE DIRECTIONS ARE PROVIDED IN THE DIVERSITY DATA REPORT 2021.

- A DEDICATED DEIR PAGE LAUNCHED IN THE ACS PUBLISHING CENTER TO BRING VISIBILITY TO ACS PUBLICATIONS' DEIR COMMITMENTS AND INITIATIVES WHILE HIGHLIGHTING NEWS AND EVENTS.

- AN INAUGURAL OMBUDSPERSON WAS APPOINTED TO SERVE AS A LIAISON BETWEEN EDITORS AND THE COMMUNITY.

THE COMMUNICATIONS DIVISION IS COMPRISED: ACS ADVERTISING SALES AND MARKETING, C&EN, COMMUNICATIONS, AND WEB STRATEGY & OPERATIONS. ITS MISSION IS TO PROVIDE NEWS AND ACS INFORMATION AND TO COMMUNICATE THE VITAL ROLE OF CHEMICAL PROFESSIONALS AND THE CHEMICAL SCIENCES IN SOLVING CRITICAL GLOBAL CHALLENGES AND IMPROVING EVERYDAY LIFE TO THE PUBLIC, POLICYMAKERS, NEWS MEDIA, AND ACS MEMBERS. THE FUNCTION COORDINATES MESSAGE DEVELOPMENT AND SPEECHWRITING; PROMOTION OF SOCIETY NEWS AND PUBLICATIONS TO THE MEDIA; COMMUNICATION OF SOCIETY NEWS TO ITS MEMBERS; CONDUCTS MEDIA TRAINING AND TRAINING/TECHNICAL ASSISTANCE TO MEMBERS INVOLVED IN COMMUNICATIONS; SALES AND MARKETING OF SOCIETY CONTENT; AND OVERSEES THE PREPARATION OF THE SOCIETY'S ANNUAL REPORT, AMONG OTHER THINGS. IN ADDITION, THE FUNCTION ALSO OVERSEES THE SOCIETY'S WEB PRESENCE, SOCIAL MEDIA PRESENCE AND MULTIMEDIA EFFORTS.

LINE 4B, PROGRAM SERVICE

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

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LITERATE CITIZENRY AND HIGHLY QUALIFIED CHEMICAL WORKFORCE READY TO ADDRESS GLOBAL CHALLENGES.

IN 2021, ACS PROVIDED FORMAL AND INFORMAL EDUCATIONAL RESOURCES, INSTRUCTION, AND MENTORSHIP VIRTUALLY. ACS REACHED OUT TO NUMEROUS ELEMENTARY AND SECONDARY SCHOOL STUDENTS, TEACHERS, AND PARENTS 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 2021 WITH MORE THAN 8,700 MEMBERS, A 8.5 PERCENT GROWTH SINCE 2020.

IN 2021, THE ACS WEBSITE FOR THE "GET THE FACTS OUT" PROJECT WAS PROMOTED, PROVIDING INFORMATION AND A TOOL KIT FOR CHANGING THE MISPERCEPTIONS AROUND CAREERS IN TEACHING SCIENCE AND MATH IN SECONDARY SCHOOLS.

ONE OF FIVE SCIENTIFIC SOCIETIES THAT ESTABLISHED THE INCLUSIVE GRADUATE EDUCATION NETWORK IN 2019, ACS ESTABLISHED THE ACS BRIDGE PROJECT TO INCREASE THE NUMBER OF UNDERREPRESENTED MINORITY STUDENTS WHO RECEIVE DOCTORAL DEGREES IN CHEMICAL SCIENCES. IN 2021, THE ACS BRIDGE PROJECT EXTENDED ITS REACH, TO INCLUDE 29 CHEMICAL SCIENCES DEPARTMENTS, 59 ACS BRIDGE FELLOWS, AND A COLLECTION OF PROFESSIONAL DEVELOPMENT ACTIVITIES.

ONE OF ACS'S MOST SUCCESSFUL EFFORTS, THE ACS SCHOLARS PROGRAM, CONTINUES TO HELP STUDENTS FROM UNDERREPRESENTED RACIAL/ETHNIC GROUPS ACHIEVE THEIR DREAMS OF OBTAINING DEGREES AND CAREERS IN A BROAD RANGE OF CHEMICAL SCIENCES. IN ALL, OVER 3,500 AFRICAN-AMERICAN, HISPANIC/LATINO, AND NATIVE AMERICAN STUDENTS HAVE PARTICIPATED IN THE PROGRAM SINCE 1995. OF THOSE, OVER 2,100 HAVE EARNED BACHELOR'S DEGREES IN A CHEMICAL SCIENCE AND OVER 450 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

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UNDER THE SUPERVISION OF VOLUNTEER SCIENTISTS. SINCE IN-PERSON RESEARCH EXPERIENCES COULD NOT BE OFFERED IN 2021, OVER 345 STUDENTS PARTICIPATED IN A FIVE-WEEK VIRTUAL SUMMER CAMP AND 28 STUDENTS PARTICIPATED IN A PILOT VIRTUAL RESEARCH PROGRAM. FOR THE 2021-2022 SCHOOL YEAR, ACS AWARDED 42 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. THE THIRD LOCONTI SCHOLAR WINNER WAS SELECTED, RECEIVING A FOUR-YEAR RENEWABLE SCHOLARSHIP STARTING AT THE FRESHMAN YEAR.

ESTABLISHMENT OF THE ACS INSTITUTE ENHANCED ACCESS TO THE COLLECTION OF PROFESSIONAL AND CAREER DEVELOPMENT RESOURCES AND WAS ENHANCED WITH NEW AND ADDITIONAL WORKSHOPS. ELECTRONIC ACCESS TO CURRICULAR RESOURCES AND PUBLICATIONS WAS INCREASED. WORKSHOPS AND GRANTS WERE OFFERED TO STUDENTS AND EDUCATORS, INCLUDING A SPECIAL MINI-GRANT PROGRAM FOR LABORATORY SKILLS SHORT COURSES. A DISCUSSION SERIES FOCUSED ON UNDERGRADUATE EDUCATION FOR CHAIRS OF CHEMISTRY DEPARTMENTS, INITIATED IN 2020, CONTINUED IN 2021.

IN 2021, THE US CHEMISTRY OLYMPIAD TEAM CONTINUED ITS HISTORICALLY STRONG PERFORMANCE, WINNING TWO GOLD AND TWO SILVER MEDALS AT THE 53RD INTERNATIONAL CHEMISTRY OLYMPIAD.

IN 2021, THE OUTREACH TRAINING PROGRAM WAS UPDATED, ENHANCING THE IMPACT OF CHEMISTRY FESTIVALS AND OTHER SCIENCE OUTREACH, INCLUDING CHEMISTS CELEBRATE EARTH WEEK AND NATIONAL CHEMISTRY WEEK.

ACS MEMBERSHIP PROGRAMS ARE ADMINISTERED WITH THE VISION THAT ACS WILL BE THE PREMIER PROFESSIONAL MEMBERSHIP ORGANIZATION FOR ALL PRACTITIONERS OF CHEMISTRY WORLDWIDE.

IN 2021, THE SOCIETY CLOSED THE YEAR WITH A MEMBERSHIP OF OVER 149,000 INDIVIDUALS. ACS INTERNATIONAL MEMBERSHIP HAS CONTINUED TO BE AN ADDITIONAL BRIGHT SPOT WITH NEARLY 25% OF MEMBERS PRESENTLY RESIDING OUTSIDE THE U.S.; MAJOR MARKETS INCLUDE INDIA, CHINA, CANADA, JAPAN, UNITED KINGDOM, GERMANY, MEXICO, AND SOUTH KOREA.

ACS MEETINGS WERE AGAIN IMPACTED IN 2021 BY THE COVID-19 PANDEMIC BUT CARRIED ON IN SUPPORT OF ACS GOAL TO PROMOTE INFORMATION SOLUTIONS. AS SAFETY IS A CORE VALUE FOR ACS, THE DEPARTMENT OF

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MEETINGS AND EXPOSITION SERVICES (DMES) CREATED HEALTH AND SAFETY GUIDELINES THAT WERE UTILIZED BY ALL HYBRID AND IN-PERSON MEETINGS AND EVENTS THAT TOOK PLACE SUCCESSFULLY IN 2021. THE SPRING 2021 MEETING WAS HELD VIRTUALLY WITH MORE THAN 12,500 REGISTRANTS, AND JUST OVER 7,700 SUBMITTED ABSTRACTS. THE MEETING CONTINUED TO EXPAND ITS REACH GLOBALLY AND ATTRACTED INTERNATIONAL PARTICIPANTS FROM 73 COUNTRIES. THE DEPARTMENT OF MEETINGS & EXPOSITION SERVICES (DMES) STAFF SUPPORTED THE VIRTUAL GREEN CHEMISTRY & ENGINEERING CONFERENCE. THE MEETING ATTRACTED MORE THAN 1,300 REGISTRANTS. THE TEAM ALSO SUPPORTED A VIRTUAL PACIFICHEM 2021, PRESENTED IN HAWAII-ALEUTIAN TIME ZONE, WHICH WAS POSTPONED FROM 2020 DUE TO THE PANDEMIC. THE MEETING ATTRACTED OVER 8,600 REGISTRANTS FROM 71 COUNTRIES. THERE WERE OVER 10,000 PRESENTATIONS (ORAL AND POSTER), DELIVERED IN MORE THAN 350 SESSIONS OVER A 5-DAY PERIOD. THE TEAM ALSO SUPPORTED SEVEN REGIONAL MEETINGS DURING THE YEAR, VIRTUALLY, HYBRID, AND IN-PERSON. COMBINED, THESE MEETINGS ATTRACTED MORE THAN 5,100 REGISTRANTS.

THE ACS MEMBERSHIP DIVISION COMPLETED STEPS TO TRANSFORM THE ACS MEMBERSHIP MODEL AND PROVIDE ALL MEMBERS AND POTENTIAL MEMBERS WITH A BETTER EXPERIENCE, BETTER VALUE, AND BETTER CHOICE.

THE OFFICE OF AWARDS & MEMBER RECOGNITION PROGRAMS CONTINUED IN 2021. MEMBERS WERE EITHER RECOGNIZED WITH A NATIONAL AWARD, HONORED FOR GRASSROOTS ACTIVITIES, OR PARTICIPATED IN SELECTION ACTIVITIES. IN ADDITION, THE 2021 ACS FELLOWS CLASS WAS INDUCTED IN THE FIRST HYBRID AWARDS CEREMONY. ACS CELEBRATED THE CHEMLUMINARY AWARDS AS A VIRTUAL EVENT, WITH 178 PARTICIPANTS.

TO ENSURE ITS MEMBERS WERE SUPPORTED THROUGH THE COVID-19 CRISIS IN THEIR PROFESSIONAL AND PERSONAL LIVES, ACS PROVIDED ACCESS TO THE FOLLOWING HIGHLIGHTED RESOURCES:

- COVID-19 DUES WAIVER: MEMBERS IMPACTED BY THE PANDEMIC IN THE BROADEST SENSE (EMPLOYMENT CHANGES, FAMILY CARE RESPONSIBILITIES, HEALTH CHALLENGES) RECEIVED A DUES WAIVER FOR A YEAR OF CONTINUED ACS DUES AT RENEWAL. THIS PROGRAM WAS SUNSET AT THE END OF 2021.
- COVID-19 RESOURCES: A COMPREHENSIVE COLLECTION OF ACS RESOURCES WAS ASSEMBLED TO HELP COMBAT THE COVID 19 PANDEMIC.
- VIRTUAL 1:1 CAREER CONSULTATIONS: 190 VIRTUAL 1:1 CAREER

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CONSULTATIONS WERE DELIVERED DURING THE YEAR. IN RESPONSE TO INCREASED WEBSITE TRAFFIC, RESULTING FROM THE TRANSITION TO VIRTUAL DELIVERY, THE CAREER CONSULTANT WEBSITE WAS REVAMPED IN 2021. IN DECEMBER, A PILOT "RETIREMENT CONSULTING" WORKSHOP WAS INTRODUCED.

- VIRTUAL OFFICE HOURS: A STANDING TIME EACH WEEK ALLOWS MEMBERS TO SPEAK WITH CAREER CONSULTANTS AND NETWORK WITH FELLOW MEMBERS. THIS PROGRAM HAD 617 ATTENDEES FROM JANUARY - SEPTEMBER 2021.

- THEMED VIRTUAL OFFICE HOURS: A PIVOT FROM VIRTUAL OFFICE HOURS TO MONTHLY THEMED EVENTS OCCURRED MIDWAY THROUGH THE YEAR (WITH SOME OVERLAP). THESE 90-MINUTE EVENTS WERE WELL ATTENDED, WITH 1,919 REGISTRANTS AND 684 ATTENDEES (JULY -- DECEMBER). DURING A YEAR WITH LIMITED ABILITY TO ASSIST MEMBERS IN-PERSON, THESE VIRTUAL PROGRAMS ENABLED NEARLY 1,500 PERSONALIZED CAREER ADVICE INTERACTIONS.

THE SCIENTIFIC ADVANCEMENT DIVISION PROGRAMS ARE AIMED AT:

- DELIVERING THE MOST AUTHORITATIVE, COMPREHENSIVE, AND INDISPENSABLE CHEMISTRY-RELATED INFORMATION AND KNOWLEDGE-BASED SOLUTIONS TO RESOLVE GLOBAL CHALLENGES AND TO ADDRESS FUTURE ISSUES FACING THE WORLD'S SCIENTIFIC COMMUNITY.

- SUPPORTING EXCELLENCE IN EDUCATION THROUGH FOSTERING THE DEVELOPMENT OF INNOVATIVE, RELEVANT AND EFFECTIVE CHEMISTRY AND CHEMISTRY RELATED EDUCATION

- COMMUNICATING TO THE PUBLIC AND TO POLICYMAKERS THE VITAL ROLE CHEMICAL PROFESSIONALS AND CHEMISTRY IN ADDRESSING THE WORLD'S CHALLENGES.

TO ACHIEVE THE ABOVE GOALS, THE DIVISION HOSTED THE 25TH ANNUAL GREEN CHEMISTRY & ENGINEERING CONFERENCE WITH OVER 40 TECHNICAL SESSIONS, 5 POSTER SESSIONS, AND NUMEROUS NETWORKING EVENTS. OVER 1,300 REGISTRANTS FROM 55 COUNTRIES JOINED THE VIRTUAL MEETING.

THE ACS GREEN CHEMISTRY INSTITUTE INDUSTRIAL ROUNDTABLES CONTINUED IN 2021 WITH INCREASING MEMBERSHIPS AND DISTRIBUTED \$300,000 IN RESEARCH GRANTS.

THE GREEN CHEMISTRY EDUCATIONAL ACTIVITIES INCLUDED A VIRTUAL

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SUMMER SCHOOL ON GREEN CHEMISTRY AND SUSTAINABLE ENERGY, THE GREEN CHEMISTRY STUDENT TRAVEL AWARDS, AND EXPANSION OF THE ACS GREEN CHEMISTRY STUDENT CHAPTERS, AND CONTINUED PROGRESS IN THE THREE-YEAR PROJECT TO DEVELOP GREEN AND SUSTAINABLE CHEMISTRY RESOURCES FOR UNDERGRADUATE CURRICULA.

LINE 4C, PROGRAM SERVICE

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 2021, THE ACS PRF FUNDED 167 GRANTS, TOTALING \$16.8 MILLION. THE GRANTS INCLUDED 69 NEW DIRECTIONS GRANTS; 67 DOCTORAL NEW INVESTIGATOR GRANTS; 13 UNDERGRADUATE RESEARCH GRANTS; AND 18 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.

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FORM 990, PART V, LINE 4B - FOREIGN COUNTRIES

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UNITED KINGDOM

INDIA

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FORM 990, PART VI, LINE 17 - STATES

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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,

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FORM 990, PART VII-COMPENSATION OF THE 5 HIGHEST PAID IND. CONTRACTORS

NAME AND ADDRESS	DESCRIPTION OF SERVICES	COMPENSATION
JAICI NAKAI BLDG, 6-25-4 HONKOMAGOMA, BUNKYOKU TOKYO JAPAN 113	ABSTRACTING SERVICES	7,392,733.
MOLECULAR CONNECTIONS PVT LTD KANDALA MANSIONS #2/2 KARIAPPA ROAD BASAVANAGUDI BANGALORE INDIA 560004	ABSTRACTING SERVICES	7,144,782.
SCOPE E KNOWLEDGE CENTER PVT LTD NANADANAM, 672, ANNA SALAI CHENNAI INDIA 60035	DATABASE SERVICES	6,324,557.
EXCELRA KNOWLEDGE SOL PVT LTD PILOT NO 28A IDA NACHARAM HYDERABAD INDIA 50076	DATABASE SERVICES	4,923,863.
G2O LLC 2500 CORPORATE EXCHANGE DRIVE SUITE 300 COLUMBUS, OH 43231	IT CONTRACTING SVCS	4,764,399.

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FORM 990, PART IX - OTHER FEES

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DESCRIPTION	(A) TOTAL FEES	(B) PROGRAM SERVICE EXP.	(C) MANAGEMENT AND GENERAL	(D) FUNDRAISING EXPENSES
-----	-----	-----	-----	-----
ADMINISTRATIVE FEES	35,109,756.	32,728,917.	2,292,754.	88,084.
EDITORIAL FEES	28,048,674.	28,047,569.	999.	106.
HONORARIA	600,365.	531,917.	68,448.	
MARKETING FEES	61,986,278.	61,986,278.		
OTHER PROFESSIONAL SERVIC	3,711,983.	3,709,288.	2,695.	
SPEAKER FEES	295,588.	271,523.	24,065.	
TEMPORARY FEES	12,001,939.	10,910,259.	1,091,681.	
WRITERS FEES	669,988.	669,988.		
TOTALS	----- 142,424,571. =====	----- 138,855,739. =====	----- 3,480,642. =====	----- 88,190. =====

**SCHEDULE R
(Form 990)**

Department of the Treasury
Internal Revenue Service

Name of the organization

AMERICAN CHEMICAL SOCIETY

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

2021

**Open to Public
Inspection**

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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
(1)					
(2)					
(3)					
(4)					
(5)					
(6)					

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
(1)							
(2)							
(3)							
(4)							
(5)							
(6)							
(7)							

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

Schedule R (Form 990) 2021

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	
(1)												
(2)												
(3)												
(4)												
(5)												
(6)												
(7)												

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. 52-1916157 1155 16TH ST, NW WASHINGTON, DC 20036	MARKETING	DC	ACS	C CORP	26,690,590.	13,147,204.	100.0000	X	
(2) ACS GROUP LIFE INSURANCE TRUST 23-7093797 1155 16TH ST, NW WASHINGTON, DC 20036	INSURANCE	DC	ACS	GRANTOR TRUST	27,524,623.	41,946,002.	100.0000	X	
(3)									
(4)									
(5)									
(6)									
(7)									

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

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

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

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	26,657,412.	FMV
(2) ACS GROUP LIFE INSURANCE TRUST	C	2,000,000.	FMV
(3) ACS GROUP LIFE INSURANCE TRUST	L	136,000.	FMV
(4)			
(5)			
(6)			

Part VI **Unrelated Organizations Taxable as a Partnership.** Complete if the organization answered "Yes" on Form 990, Part IV, line 37.

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.

(a) Name, address, and EIN of entity	(b) Primary activity	(c) Legal domicile (state or foreign country)	(d) Predominant income (related, unrelated, excluded from tax under sections 512 - 514)	(e) Are all partners section 501(c)(3) organizations?		(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		Yes	No	
(1)													
(2)													
(3)													
(4)													
(5)													
(6)													
(7)													
(8)													
(9)													
(10)													
(11)													
(12)													
(13)													
(14)													
(15)													
(16)													