

**Return of Private Foundation**  
or Section 4947(a)(1) Trust Treated as Private Foundation  
Do not enter social security numbers on this form as it may be made public.  
Go to [www.irs.gov/Form990PF](http://www.irs.gov/Form990PF) for instructions and the latest information.

For calendar year 2022 or tax year beginning

, and ending

Name of foundation <b>AMATEUR RADIO DIGITAL COMMUNICATIONS</b>		A Employer identification number <b>45-3751971</b>
Number and street (or P.O. box number if mail is not delivered to street address) <b>5663 BALBOA AVE</b>	Room/suite <b>432</b>	B Telephone number <b>858-477-9900</b>
City or town, state or province, country, and ZIP or foreign postal code <b>SAN DIEGO, CA 92111</b>		C If exemption application is pending, check here ... <input type="checkbox"/>
G Check all that apply: <input type="checkbox"/> Initial return <input type="checkbox"/> Initial return of a former public charity <input type="checkbox"/> Final return <input type="checkbox"/> Amended return <input type="checkbox"/> Address change <input type="checkbox"/> Name change		D 1. Foreign organizations, check here ..... <input type="checkbox"/> 2. Foreign organizations meeting the 85% test, check here and attach computation ..... <input type="checkbox"/>
H Check type of organization: <input checked="" type="checkbox"/> Section 501(c)(3) exempt private foundation <input type="checkbox"/> Section 4947(a)(1) nonexempt charitable trust <input type="checkbox"/> Other taxable private foundation		E If private foundation status was terminated under section 507(b)(1)(A), check here ... <input type="checkbox"/>
I Fair market value of all assets at end of year (from Part II, col. (c), line 16) \$ <b>107,895,897.</b>	J Accounting method: <input type="checkbox"/> Cash <input checked="" type="checkbox"/> Accrual <input type="checkbox"/> Other (specify) _____	F If the foundation is in a 60-month termination under section 507(b)(1)(B), check here ... <input type="checkbox"/>
(Part I, column (d), must be on cash basis.)		

Part I Analysis of Revenue and Expenses <small>(The total of amounts in columns (b), (c), and (d) may not necessarily equal the amounts in column (a).)</small>		(a) Revenue and expenses per books	(b) Net investment income	(c) Adjusted net income	(d) Disbursements for charitable purposes (cash basis only)
Revenue	1 Contributions, gifts, grants, etc., received .....				
	2 Check <input checked="" type="checkbox"/> if the foundation is not required to attach Sch. B				
	3 Interest on savings and temporary cash investments .....				
	4 Dividends and interest from securities .....	2,161,871.	2,161,871.	2,161,871.	STATEMENT 1
	5a Gross rents .....				
	b Net rental income or (loss) .....				
	6a Net gain or (loss) from sale of assets not on line 10 .....	604,747.			
	b Gross sales price for all assets on line 6a .....	8,368,792.			
	7 Capital gain net income (from Part IV, line 2) .....		604,747.		
	8 Net short-term capital gain .....				
	9 Income modifications .....				
	10a Gross sales less returns and allowances .....				
b Less: Cost of goods sold .....					
c Gross profit or (loss) .....					
11 Other income .....	68,151.	0.	68,151.	STATEMENT 2	
12 Total. Add lines 1 through 11 .....	2,834,769.	2,766,618.	2,230,022.		
Operating and Administrative Expenses	13 Compensation of officers, directors, trustees, etc. ....	174,466.	0.	0.	174,466.
	14 Other employee salaries and wages .....	297,608.	0.	0.	297,608.
	15 Pension plans, employee benefits .....	45,116.	0.	0.	45,116.
	16a Legal fees ..... STMT 3	21,854.	0.	0.	21,854.
	b Accounting fees ..... STMT 4	25,925.	0.	0.	25,925.
	c Other professional fees ..... STMT 5	93,035.	0.	0.	93,035.
	17 Interest .....				
	18 Taxes ..... STMT 6	38,456.	0.	0.	0.
	19 Depreciation and depletion .....				
	20 Occupancy .....				
	21 Travel, conferences, and meetings .....	157,536.	0.	0.	157,536.
	22 Printing and publications .....				
	23 Other expenses ..... STMT 7	54,122.	0.	0.	54,122.
	24 Total operating and administrative expenses. Add lines 13 through 23 .....	908,118.	0.	0.	869,662.
	25 Contributions, gifts, grants paid .....	6,904,678.			8,004,191.
26 Total expenses and disbursements. Add lines 24 and 25 .....	7,812,796.	0.	0.	8,873,853.	
27 Subtract line 26 from line 12:					
a Excess of revenue over expenses and disbursements .....	-4,978,027.				
b Net investment income (if negative, enter -0-)		2,766,618.			
c Adjusted net income (if negative, enter -0-)			2,230,022.		

Part II Balance Sheets		Attached schedules and amounts in the description column should be for end-of-year amounts only.		
		Beginning of year	End of year	
		(a) Book Value	(b) Book Value	(c) Fair Market Value
Assets	1 Cash - non-interest-bearing	68,504.		
	2 Savings and temporary cash investments	77,535.	87,050.	87,050.
	3 Accounts receivable			
	Less: allowance for doubtful accounts			
	4 Pledges receivable			
	Less: allowance for doubtful accounts			
	5 Grants receivable			
	6 Receivables due from officers, directors, trustees, and other disqualified persons			
	7 Other notes and loans receivable			
	Less: allowance for doubtful accounts			
	8 Inventories for sale or use			
	9 Prepaid expenses and deferred charges			
	10a Investments - U.S. and state government obligations <b>STMT 8</b>	5,407,107.	15,748,355.	15,748,355.
	b Investments - corporate stock			
	c Investments - corporate bonds			
	11 Investments - land, buildings, and equipment: basis			
Less: accumulated depreciation				
12 Investments - mortgage loans				
13 Investments - other <b>STMT 9</b>	133,477,516.	92,056,992.	92,056,992.	
14 Land, buildings, and equipment: basis				
Less: accumulated depreciation				
15 Other assets (describe <b>TRUST ACCOUNT</b> )	0.	3,500.	3,500.	
16 <b>Total assets</b> (to be completed by all filers - see the instructions. Also, see page 1, item I)	139,030,662.	107,895,897.	107,895,897.	
Liabilities	17 Accounts payable and accrued expenses	82,667.	26,196.	
	18 Grants payable	2,753,296.	1,617,926.	
	19 Deferred revenue			
	20 Loans from officers, directors, trustees, and other disqualified persons			
	21 Mortgages and other notes payable			
	22 Other liabilities (describe <b>DEFERRED TAXES</b> )	517,991.	170,979.	
	23 <b>Total liabilities</b> (add lines 17 through 22)	3,353,954.	1,815,101.	
Net Assets or Fund Balances	<b>Foundations that follow FASB ASC 958, check here</b> <input checked="" type="checkbox"/> <b>and complete lines 24, 25, 29, and 30.</b>			
	24 Net assets without donor restrictions	135,676,708.	106,080,796.	
	25 Net assets with donor restrictions			
	<b>Foundations that do not follow FASB ASC 958, check here</b> <input type="checkbox"/> <b>and complete lines 26 through 30.</b>			
	26 Capital stock, trust principal, or current funds			
	27 Paid-in or capital surplus, or land, bldg., and equipment fund			
	28 Retained earnings, accumulated income, endowment, or other funds			
	29 <b>Total net assets or fund balances</b>	135,676,708.	106,080,796.	
30 <b>Total liabilities and net assets/fund balances</b>	139,030,662.	107,895,897.		

Part III Analysis of Changes in Net Assets or Fund Balances

1 Total net assets or fund balances at beginning of year - Part II, column (a), line 29 (must agree with end-of-year figure reported on prior year's return)	1	135,676,708.
2 Enter amount from Part I, line 27a	2	-4,978,027.
3 Other increases not included in line 2 (itemize) <b>DEFERRED TAX ASSET</b>	3	347,012.
4 Add lines 1, 2, and 3	4	131,045,693.
5 Decreases not included in line 2 (itemize) <b>UNREALIZED LOSS</b>	5	24,964,897.
6 Total net assets or fund balances at end of year (line 4 minus line 5) - Part II, column (b), line 29	6	106,080,796.

**Part IV Capital Gains and Losses for Tax on Investment Income**

(a) List and describe the kind(s) of property sold (for example, real estate, 2-story brick warehouse; or common stock, 200 shs. MLC Co.)		(b) How acquired P - Purchase D - Donation	(c) Date acquired (mo., day, yr.)	(d) Date sold (mo., day, yr.)
<b>1a PUBLICLY TRADED SECURITIES</b>			08/01/19	12/31/22
b				
c				
d				
e				
(e) Gross sales price	(f) Depreciation allowed (or allowable)	(g) Cost or other basis plus expense of sale	(h) Gain or (loss) ((e) plus (f) minus (g))	
a 8,368,792.		7,764,045.	604,747.	
b				
c				
d				
e				
Complete only for assets showing gain in column (h) and owned by the foundation on 12/31/69.			(i) Gains (Col. (h) gain minus col. (k), but not less than -0-) or Losses (from col. (h))	
(i) FMV as of 12/31/69	(j) Adjusted basis as of 12/31/69	(k) Excess of col. (i) over col. (j), if any		
a			604,747.	
b				
c				
d				
e				
2 Capital gain net income or (net capital loss)		{ If gain, also enter in Part I, line 7 If (loss), enter -0- in Part I, line 7 ..... }		2 604,747.
3 Net short-term capital gain or (loss) as defined in sections 1222(5) and (6): If gain, also enter in Part I, line 8, column (c). See instructions. If (loss), enter -0- in Part I, line 8 .....		{ ..... }		3 0.

**Part V Excise Tax Based on Investment Income (Section 4940(a), 4940(b), or 4948 - see instructions)**

1a Exempt operating foundations described in section 4940(d)(2), check here <input type="checkbox"/> and enter "N/A" on line 1. Date of ruling or determination letter: _____ (attach copy of letter if necessary - see instructions)		1	38,456.
b All other domestic foundations enter 1.39% (0.0139) of line 27b. Exempt foreign organizations, enter 4% (0.04) of Part I, line 12, col. (b) .....			
2 Tax under section 511 (domestic section 4947(a)(1) trusts and taxable foundations only; others, enter -0-) .....		2	0.
3 Add lines 1 and 2 .....		3	38,456.
4 Subtitle A (income) tax (domestic section 4947(a)(1) trusts and taxable foundations only; others, enter -0-) .....		4	0.
5 Tax based on investment income. Subtract line 4 from line 3. If zero or less, enter -0- .....		5	38,456.
6 Credits/Payments:			
a 2022 estimated tax payments and 2021 overpayment credited to 2022 .....	6a 29,160.		
b Exempt foreign organizations - tax withheld at source .....	6b 0.		
c Tax paid with application for extension of time to file (Form 8868) .....	6c 0.		
d Backup withholding erroneously withheld .....	6d 0.		
7 Total credits and payments. Add lines 6a through 6d .....		7	29,160.
8 Enter any penalty for underpayment of estimated tax. Check here <input type="checkbox"/> if Form 2220 is attached .....		8	100.
9 Tax due. If the total of lines 5 and 8 is more than 7, enter amount owed .....		9	9,396.
10 Overpayment. If line 7 is more than the total of lines 5 and 8, enter the amount overpaid .....		10	
11 Enter the amount of line 10 to be: Credited to 2023 estimated tax Refunded		11	

**Part VI-A Statements Regarding Activities**

	Yes	No
<b>1a</b> During the tax year, did the foundation attempt to influence any national, state, or local legislation or did it participate or intervene in any political campaign? .....		<input checked="" type="checkbox"/>
<b>1b</b> Did it spend more than \$100 during the year (either directly or indirectly) for political purposes? See the instructions for the definition ..... If the answer is "Yes" to <b>1a</b> or <b>1b</b> , attach a detailed description of the activities and copies of any materials published or distributed by the foundation in connection with the activities.		<input checked="" type="checkbox"/>
<b>1c</b> Did the foundation file <b>Form 1120-POL</b> for this year? .....		<input checked="" type="checkbox"/>
<b>d</b> Enter the amount (if any) of tax on political expenditures (section 4955) imposed during the year: (1) On the foundation. \$ <u>0.</u> (2) On foundation managers. \$ <u>0.</u>		
<b>e</b> Enter the reimbursement (if any) paid by the foundation during the year for political expenditure tax imposed on foundation managers. \$ <u>0.</u>		
<b>2</b> Has the foundation engaged in any activities that have not previously been reported to the IRS? .....		<input checked="" type="checkbox"/>
If "Yes," attach a detailed description of the activities.		
<b>3</b> Has the foundation made any changes, not previously reported to the IRS, in its governing instrument, articles of incorporation, or bylaws, or other similar instruments? If "Yes," attach a conformed copy of the changes .....		<input checked="" type="checkbox"/>
<b>4a</b> Did the foundation have unrelated business gross income of \$1,000 or more during the year? .....		<input checked="" type="checkbox"/>
<b>b</b> If "Yes," has it filed a tax return on <b>Form 990-T</b> for this year? .....		N/A
<b>5</b> Was there a liquidation, termination, dissolution, or substantial contraction during the year? .....		<input checked="" type="checkbox"/>
If "Yes," attach the statement required by <i>General Instruction T</i> .		
<b>6</b> Are the requirements of section 508(e) (relating to sections 4941 through 4945) satisfied either: • By language in the governing instrument, or • By state legislation that effectively amends the governing instrument so that no mandatory directions that conflict with the state law remain in the governing instrument? .....	<input checked="" type="checkbox"/>	
<b>7</b> Did the foundation have at least \$5,000 in assets at any time during the year? If "Yes," complete Part II, col. (c), and Part XIV .....	<input checked="" type="checkbox"/>	
<b>8a</b> Enter the states to which the foundation reports or with which it is registered. See instructions. _____ <u>CA</u>		
<b>b</b> If the answer is "Yes" to line 7, has the foundation furnished a copy of Form 990-PF to the Attorney General (or designate) of each state as required by <i>General Instruction G</i> ? If "No," attach explanation .....	<input checked="" type="checkbox"/>	
<b>9</b> Is the foundation claiming status as a private operating foundation within the meaning of section 4942(j)(3) or 4942(j)(5) for calendar year 2022 or the tax year beginning in 2022? See the instructions for Part XIII. If "Yes," complete Part XIII .....		<input checked="" type="checkbox"/>
<b>10</b> Did any persons become substantial contributors during the tax year? If "Yes," attach a schedule listing their names and addresses .....		<input checked="" type="checkbox"/>
<b>11</b> At any time during the year, did the foundation, directly or indirectly, own a controlled entity within the meaning of section 512(b)(13)? If "Yes," attach schedule. See instructions .....		<input checked="" type="checkbox"/>
<b>12</b> Did the foundation make a distribution to a donor advised fund over which the foundation or a disqualified person had advisory privileges? If "Yes," attach statement. See instructions .....		<input checked="" type="checkbox"/>
<b>13</b> Did the foundation comply with the public inspection requirements for its annual returns and exemption application? .....	<input checked="" type="checkbox"/>	
Website address <u>ARDC.NET</u>		
<b>14</b> The books are in care of <u>BDALE GARBEE, TREASURER</u> Telephone no. <u>858-477-9900</u> Located at <u>5663 BALBOA AVE SUITE 432, SAN DIEGO, CA</u> ZIP+4 <u>92111</u>		
<b>15</b> Section 4947(a)(1) nonexempt charitable trusts filing Form 990-PF in lieu of <b>Form 1041</b> - check here <input type="checkbox"/> and enter the amount of tax-exempt interest received or accrued during the year .....	<input type="checkbox"/>	N/A
<b>16</b> At any time during calendar year 2022, did the foundation have an interest in or a signature or other authority over a bank, securities, or other financial account in a foreign country? .....		<input checked="" type="checkbox"/>
See the instructions for exceptions and filing requirements for FinCEN Form 114. If "Yes," enter the name of the foreign country		

**Part VI-B Statements Regarding Activities for Which Form 4720 May Be Required**

File Form 4720 if any item is checked in the "Yes" column, unless an exception applies.

	Yes	No
<b>1a</b> During the year, did the foundation (either directly or indirectly):		
(1) Engage in the sale or exchange, or leasing of property with a disqualified person? .....	1a(1)	X
(2) Borrow money from, lend money to, or otherwise extend credit to (or accept it from) a disqualified person? .....	1a(2)	X
(3) Furnish goods, services, or facilities to (or accept them from) a disqualified person? .....	1a(3)	X
(4) Pay compensation to, or pay or reimburse the expenses of, a disqualified person? .....	1a(4)	X
(5) Transfer any income or assets to a disqualified person (or make any of either available for the benefit or use of a disqualified person)? .....	1a(5)	X
(6) Agree to pay money or property to a government official? ( <b>Exception.</b> Check "No" if the foundation agreed to make a grant to or to employ the official for a period after termination of government service, if terminating within 90 days.) .....	1a(6)	X
<b>b</b> If any answer is "Yes" to 1a(1)-(6), did <b>any</b> of the acts fail to qualify under the exceptions described in Regulations section 53.4941(d)-3 or in a current notice regarding disaster assistance? See instructions .....	1b	X
<b>c</b> Organizations relying on a current notice regarding disaster assistance, check here <input type="checkbox"/>		
<b>d</b> Did the foundation engage in a prior year in any of the acts described in 1a, other than excepted acts, that were not corrected before the first day of the tax year beginning in 2022? .....	1d	X
<b>2</b> Taxes on failure to distribute income (section 4942) (does not apply for years the foundation was a private operating foundation defined in section 4942(j)(3) or 4942(j)(5)):		
<b>a</b> At the end of tax year 2022, did the foundation have any undistributed income (Part XII, lines 6d and 6e) for tax year(s) beginning before 2022? .....	2a	X
If "Yes," list the years _____, _____, _____, _____		
<b>b</b> Are there any years listed in 2a for which the foundation is <b>not</b> applying the provisions of section 4942(a)(2) (relating to incorrect valuation of assets) to the year's undistributed income? (If applying section 4942(a)(2) to <b>all</b> years listed, answer "No" and attach statement - see instructions.) .....	2b	N/A
<b>c</b> If the provisions of section 4942(a)(2) are being applied to <b>any</b> of the years listed in 2a, list the years here. _____, _____, _____, _____		
<b>3a</b> Did the foundation hold more than a 2% direct or indirect interest in any business enterprise at any time during the year? .....	3a	X
<b>b</b> If "Yes," did it have excess business holdings in 2022 as a result of (1) any purchase by the foundation or disqualified persons after May 26, 1969; (2) the lapse of the 5-year period (or longer period approved by the Commissioner under section 4943(c)(7)) to dispose of holdings acquired by gift or bequest; or (3) the lapse of the 10-, 15-, or 20-year first phase holding period? (Use Form 4720, Schedule C, to determine if the foundation had excess business holdings in 2022.) .....	3b	N/A
<b>4a</b> Did the foundation invest during the year any amount in a manner that would jeopardize its charitable purposes? .....	4a	X
<b>b</b> Did the foundation make any investment in a prior year (but after December 31, 1969) that could jeopardize its charitable purpose that had not been removed from jeopardy before the first day of the tax year beginning in 2022? .....	4b	X

**Part VI-B Statements Regarding Activities for Which Form 4720 May Be Required** (continued)

	Yes	No
<b>5a</b> During the year, did the foundation pay or incur any amount to:		
(1) Carry on propaganda, or otherwise attempt to influence legislation (section 4945(e))?		X
(2) Influence the outcome of any specific public election (see section 4955); or to carry on, directly or indirectly, any voter registration drive?		X
(3) Provide a grant to an individual for travel, study, or other similar purposes?		X
(4) Provide a grant to an organization other than a charitable, etc., organization described in section 4945(d)(4)(A)? See instructions	X	
(5) Provide for any purpose other than religious, charitable, scientific, literary, or educational purposes, or for the prevention of cruelty to children or animals?		X
<b>b</b> If any answer is "Yes" to 5a(1)-(5), did any of the transactions fail to qualify under the exceptions described in Regulations section 53.4945 or in a current notice regarding disaster assistance? See instructions	X	
<b>c</b> Organizations relying on a current notice regarding disaster assistance, check here <input type="checkbox"/>		
<b>d</b> If the answer is "Yes" to question 5a(4), does the foundation claim exemption from the tax because it maintained expenditure responsibility for the grant? <b>SEE STATEMENT 11</b>	X	
If "Yes," attach the statement required by Regulations section 53.4945-5(d).		
<b>6a</b> Did the foundation, during the year, receive any funds, directly or indirectly, to pay premiums on a personal benefit contract?		X
<b>b</b> Did the foundation, during the year, pay premiums, directly or indirectly, on a personal benefit contract? If "Yes" to 6b, file Form 8870.		X
<b>7a</b> At any time during the tax year, was the foundation a party to a prohibited tax shelter transaction?		X
<b>b</b> If "Yes," did the foundation receive any proceeds or have any net income attributable to the transaction? <b>N/A</b>		
<b>8</b> Is the foundation subject to the section 4960 tax on payment(s) of more than \$1,000,000 in remuneration or excess parachute payment(s) during the year?		X

**Part VII Information About Officers, Directors, Trustees, Foundation Managers, Highly Paid Employees, and Contractors**

**1 List all officers, directors, trustees, and foundation managers and their compensation.**

(a) Name and address	(b) Title, and average hours per week devoted to position	(c) Compensation (If not paid, enter -0-)	(d) Contributions to employee benefit plans and deferred compensation	(e) Expense account, other allowances
SEE STATEMENT 10		152,286.	22,180.	0.

**2 Compensation of five highest-paid employees (other than those included on line 1). If none, enter "NONE."**

(a) Name and address of each employee paid more than \$50,000	(b) Title, and average hours per week devoted to position	(c) Compensation	(d) Contributions to employee benefit plans and deferred compensation	(e) Expense account, other allowances
CHELSEA PARRAGA - 5663 BALBOA AVE, #432, SAN DIEGO, CA 92111	GRANT'S MANAGER 36.00	76,250.	14,789.	0.
JOHN HAYS - 5663 BALBOA AVE, #432, SAN DIEGO, CA 92111	OUTREACH MANAGER 30.00	69,834.	11,407.	0.
MERIDETH STROH - 5663 BALBOA AVE, #432, SAN DIEGO, CA 92111	OPERATIONS MANAGER 36.00	66,710.	8,397.	0.
JONATHAN KEMPER - 5663 BALBOA AVE, #432, SAN DIEGO, CA 92111	DIRECTOR OF TECHNOLOGY 36.00	51,962.	3,003.	0.
<b>Total</b> number of other employees paid over \$50,000				0

Part VII Information About Officers, Directors, Trustees, Foundation Managers, Highly Paid Employees, and Contractors (continued)

3 Five highest-paid independent contractors for professional services. If none, enter "NONE."

Table with 3 columns: (a) Name and address of each person paid more than \$50,000, (b) Type of service, (c) Compensation. Row 1 contains 'NONE'.

Total number of others receiving over \$50,000 for professional services 0

Part VIII-A Summary of Direct Charitable Activities

Table with 2 columns: Description of activity, Expenses. Row 1: SUPPORTING, PROMOTING, AND ENHANCING AMATEUR RADIO DIGITAL COMMUNICATIONS AND BROADER COMMUNICATION SCIENCE AND TECHNOLOGY. Expenses: 523,331.

Part VIII-B Summary of Program-Related Investments

Table with 2 columns: Description of investment, Amount. Row 1: N/A.

Total. Add lines 1 through 3 0.

**Part IX Minimum Investment Return** (All domestic foundations must complete this part. Foreign foundations, see instructions.)

1 Fair market value of assets not used (or held for use) directly in carrying out charitable, etc., purposes:			
a	Average monthly fair market value of securities .....	1a	116,691,502.
b	Average of monthly cash balances .....	1b	82,891.
c	Fair market value of all other assets (see instructions) .....	1c	
d	<b>Total</b> (add lines 1a, b, and c) .....	1d	116,774,393.
e	Reduction claimed for blockage or other factors reported on lines 1a and 1c (attach detailed explanation) .....	1e	0.
2	Acquisition indebtedness applicable to line 1 assets .....	2	0.
3	Subtract line 2 from line 1d .....	3	116,774,393.
4	Cash deemed held for charitable activities. Enter 1.5% (0.015) of line 3 (for greater amount, see instructions) .....	4	1,751,616.
5	<b>Net value of noncharitable-use assets.</b> Subtract line 4 from line 3 .....	5	115,022,777.
6	<b>Minimum investment return.</b> Enter 5% (0.05) of line 5 .....	6	5,751,139.

**Part X Distributable Amount** (see instructions) (Section 4942(j)(3) and (j)(5) private operating foundations and certain foreign organizations, check here  and do not complete this part.)

1	Minimum investment return from Part IX, line 6 .....	1	5,751,139.
2a	Tax on investment income for 2022 from Part V, line 5 .....	2a	38,456.
b	Income tax for 2022. (This does not include the tax from Part V.) .....	2b	
c	Add lines 2a and 2b .....	2c	38,456.
3	Distributable amount before adjustments. Subtract line 2c from line 1 .....	3	5,712,683.
4	Recoveries of amounts treated as qualifying distributions .....	4	68,151.
5	Add lines 3 and 4 .....	5	5,780,834.
6	Deduction from distributable amount (see instructions) .....	6	0.
7	<b>Distributable amount</b> as adjusted. Subtract line 6 from line 5. Enter here and on Part XII, line 1 .....	7	5,780,834.

**Part XI Qualifying Distributions** (see instructions)

1 Amounts paid (including administrative expenses) to accomplish charitable, etc., purposes:			
a	Expenses, contributions, gifts, etc. - total from Part I, column (d), line 26 .....	1a	8,873,853.
b	Program-related investments - total from Part VIII-B .....	1b	0.
2	Amounts paid to acquire assets used (or held for use) directly in carrying out charitable, etc., purposes .....	2	
3	Amounts set aside for specific charitable projects that satisfy the:		
a	Suitability test (prior IRS approval required) .....	3a	
b	Cash distribution test (attach the required schedule) .....	3b	
4	<b>Qualifying distributions.</b> Add lines 1a through 3b. Enter here and on Part XII, line 4 .....	4	8,873,853.

Form 990-PF (2022)



**Part XII** Undistributed Income (see instructions)

	(a) Corpus	(b) Years prior to 2021	(c) 2021	(d) 2022
1 Distributable amount for 2022 from Part X, line 7				5,780,834.
2 Undistributed income, if any, as of the end of 2022:				
a Enter amount for 2021 only			0.	
b Total for prior years:		0.		
3 Excess distributions carryover, if any, to 2022:				
a From 2017				
b From 2018				
c From 2019				
d From 2020				
e From 2021	486,289.			
f Total of lines 3a through e	486,289.			
4 Qualifying distributions for 2022 from Part XI, line 4: \$ 8,873,853.				
a Applied to 2021, but not more than line 2a			0.	
b Applied to undistributed income of prior years (Election required - see instructions)		0.		
c Treated as distributions out of corpus (Election required - see instructions)	0.			
d Applied to 2022 distributable amount				5,780,834.
e Remaining amount distributed out of corpus	3,093,019.			
5 Excess distributions carryover applied to 2022 (If an amount appears in column (d), the same amount must be shown in column (a).)	0.			0.
6 Enter the net total of each column as indicated below:				
a Corpus. Add lines 3f, 4c, and 4e. Subtract line 5	3,579,308.			
b Prior years' undistributed income. Subtract line 4b from line 2b		0.		
c Enter the amount of prior years' undistributed income for which a notice of deficiency has been issued, or on which the section 4942(a) tax has been previously assessed		0.		
d Subtract line 6c from line 6b. Taxable amount - see instructions		0.		
e Undistributed income for 2021. Subtract line 4a from line 2a. Taxable amount - see instr.			0.	
f Undistributed income for 2022. Subtract lines 4d and 5 from line 1. This amount must be distributed in 2023				0.
7 Amounts treated as distributions out of corpus to satisfy requirements imposed by section 170(b)(1)(F) or 4942(g)(3) (Election may be required - see instructions)	0.			
8 Excess distributions carryover from 2017 not applied on line 5 or line 7	0.			
9 Excess distributions carryover to 2023. Subtract lines 7 and 8 from line 6a	3,579,308.			
10 Analysis of line 9:				
a Excess from 2018				
b Excess from 2019				
c Excess from 2020				
d Excess from 2021	486,289.			
e Excess from 2022	3,093,019.			

Part XIII Private Operating Foundations (see instructions and Part VI-A, question 9) N/A

1 a If the foundation has received a ruling or determination letter that it is a private operating foundation, and the ruling is effective for 2022, enter the date of the ruling

b Check box to indicate whether the foundation is a private operating foundation described in section 4942(j)(3) or 4942(j)(5)

Table with 5 columns: (a) 2022, (b) 2021, (c) 2020, (d) 2019, (e) Total. Rows include 2a-e (Qualifying distributions) and 3a-d (Alternative tests).

Part XIV Supplementary Information (Complete this part only if the foundation had \$5,000 or more in assets at any time during the year-see instructions.)

1 Information Regarding Foundation Managers:

a List any managers of the foundation who have contributed more than 2% of the total contributions received by the foundation before the close of any tax year (but only if they have contributed more than \$5,000). (See section 507(d)(2).)

NONE

b List any managers of the foundation who own 10% or more of the stock of a corporation (or an equally large portion of the ownership of a partnership or other entity) of which the foundation has a 10% or greater interest.

NONE

2 Information Regarding Contribution, Grant, Gift, Loan, Scholarship, etc., Programs:

Check here [X] if the foundation only makes contributions to preselected charitable organizations and does not accept unsolicited requests for funds. If the foundation makes gifts, grants, etc., to individuals or organizations under other conditions, complete items 2a, b, c, and d.

a The name, address, and telephone number or email address of the person to whom applications should be addressed:

b The form in which applications should be submitted and information and materials they should include:

c Any submission deadlines:

d Any restrictions or limitations on awards, such as by geographical areas, charitable fields, kinds of institutions, or other factors:

**Part XIV** Supplementary Information (continued)

3 Grants and Contributions Paid During the Year or Approved for Future Payment				
Recipient	If recipient is an individual, show any relationship to any foundation manager or substantial contributor	Foundation status of recipient	Purpose of grant or contribution **	Amount
Name and address (home or business)				
<b>a Paid during the year</b>				
MERCATUS CENTER 3434 WASHINGTON BLVD 4TH FLOOR ARLINGTON, VA 22201		PC	INSPIRED FROM TUBESAT/CUBESAT BY THE INTERORBITAL SYSTEMS, A 1U CUBESAT WILL BE DEVELOPED, WHICH WILL	4,560.
THE UNIVERSITY OF SCRANTON 800 LINDEN STREET SCRANTON, PA 18510		PC	THE PURCHASE AND INSTALLATION OF A COMPLETE AMATEUR RADIO STATION FOR THE W3USR UNIVERSITY OF SCRANTON	196,241.
PLEASANT VALLEY AMATEUR RADIO CLUB 5225 FELICIA ST CAMARILLO, CA 93012		PC	EXTENDING REPEATER SYSTEM TO ALL OF VENTURA COUNTY AND EXISTING SITES SIGNIFICANTLY	154,000.
SONDEHUB PO BOX 921, MODBURY MODBURY, SOUTH AUSTRALIA, AUSTRALIA		NC	CONTINUE OPERATIONS FOR 12 MONTHS FOR A GLOBAL, CROWDSOURCED METEOROLOGICAL WEATHER BALLOON MONITORING	8,300.
SCHOOL DISTRICT 64 FERNWOOD ELEMENTARY 150 FERNWOOD ROAD SALT SPRINGS ISLAND, BRITISH COLUMBIA, CANADA V8K1C5		NC	INSTALL A HF STATION IN AN ELEMENTARY SCHOOL FOR EDUCATIONAL PURPOSES.	3,138.
<b>Total</b> ..... SEE CONTINUATION SHEET(S) ..... <b>3a</b>				8,004,191.
<b>b Approved for future payment</b>				
BOEING EMPLOYEE'S AMATEUR RADIO SOCIETY 9404 EAST MARGINAL WAY SOUTH SEATTLE, WA 98108		PC	REFURBISH A REPEATER. UPGRADE BY ADDING ANALOG AND DIGITAL VOICE COMMUNICATIONS CHANNELS, AND BY	84,362.
EAU CLAIRE AMATEUR RADIO CLUB 1517 MARGARET STREET EAU CLAIRE, WI 54701		PC	REPLACE CURRENT RADIOS IN THEIR EOCs SO ALL SITES CAN TALK TO EACH OTHER. INSTALL A HF ANTENNA. EQUIP A SMALL	23,516.
KYUSHU INSTITUTE OF TECHNOLOGY 1-1 SENSUI TOBATA-KU KITAKYUSHU, JAPAN 804-8550		NC	BUILD AND OPERATE A 2U CUBESAT. CARRY OUT TWO COMPETITIONS: (1) APRS MISSION PAYLOAD COMPETITION AND (2)	236,400.
<b>Total</b> ..... SEE CONTINUATION SHEET(S) ..... <b>3b</b>				663,993.





**Part XIV Supplementary Information****3 Grants and Contributions Paid During the Year (Continuation)**

Recipient Name and address (home or business)	If recipient is an individual, show any relationship to any foundation manager or substantial contributor	Foundation status of recipient	Purpose of grant or contribution	Amount
COLORADO SCHOOL OF MINES 1500 ILLINOIS ST. GOLDEN, CO 80401		GOV	ESTABLISH A NEW ELECTROMAGNETIC FIELD IMAGING CENTER AT THE COLORADO SCHOOL OF MINES, INCLUDING	250,000.
SAN FRANCISCO WIRELESS EMERGENCY MESH, INC - BAY AREA MESH 1437 38TH AVE SAN FRANCISCO, CA 94122		PC	TO BUILD A WIRELESS BACKBONE BETWEEN MULTIPLE RURAL COUNTIES WITHIN NORTHERN EASTERN	147,144.
BRADLEY UNIVERSITY 1501 W. BRADLEY AVENUE PEORIA, IL 61625		PC	DESIGN A DIGITAL TRANSCEIVER SYSTEM FOR DIGITAL RADIO EXPERIMENTATION IN THE NOW UNDER-UTILIZED	1,950.
MIDDLE EAST TECHNICAL UNIVERSITY, METU UNIVERSITELER MAHALLESİ, DÜMLÜPINAR BULVARI, ODTU ÇANKAYA, ANKARA, TURKEY		NC	DEVELOP AN OPEN-SOURCE EDUCATION AND RESEARCH SOFTWARE FRAMEWORK THAT FACILITATES THE DEVELOPMENT OF	43,200.
DEUTSCHER AMATEUR RADIO CLUB (DARC) E.V. LINDENALLEE 4 BAUNATAL, GERMANY 34225		NC	EXTEND EXISTING OPEN SOURCE PROJECTS IN THE DOMAIN OF GSM/GPRS TO ENSURE THEY CAN BE USED TO OPERATE BOTH	286,419.
DEUTSCHER AMATEUR RADIO CLUB (DARC) E.V. LINDENALLEE 4 BAUNATAL, GERMANY 34225		NC	CURRENT ISSUES NEED TO BE FIXED AND A RECENT LINUX KERNEL SHOULD PROVIDE FULL AX.25 SUPPORT AGAIN. COMMON	205,810.
INTERNET ARCHIVE 300 FUNSTON AVE SAN FRANCISCO, CA 94118		PC	TO BUILD THE DIGITAL LIBRARY OF AMATEUR RADIO & COMMUNICATIONS (DLARC), AN ONLINE, OPEN-ACCESS RESOURCE	889,405.
HIGHLINE AMATEUR RADIO CLUB PO BOX 852 SEAHURST, WA 98062		PC	DEVELOP DIGITAL RADIO SITE INFRASTRUCTURE AT 2 LOCATIONS. DEPLOY PRE-INSTALLED VHF/UHF AND MESH ANTENNAS AT	183,229.
RADIO AMATEUR SATELLITE CORPORATION (DBA AMSAT) PO BOX 27 WASHINGTON, DC 20044		PC	DESIGN AND CONSTRUCTION OF THREE SPACE FRAMES WITH FIXED AND DEPLOYABLE SOLAR PANELS FOR AN	93,795.
OESTERREICHISCHER VERSUCHSENDEVERBAND - DACHVERBAND (AUSTRIAN RADIO AMATEUR) INDUSTRIEZENTRUM NOE-SUED, STRABE 14, OBJEKT 31 WR. NEUDORF,		NC	DEVELOPING AND DEPLOYING A NEW DIGITAL TRANSMISSION PROCEDURE ALLOWING HIGH SPEED DATA	68,435.
<b>Total from continuation sheets</b>				<b>7,637,952.</b>

**Part XIV Supplementary Information**

**3 Grants and Contributions Paid During the Year (Continuation)**

Recipient Name and address (home or business)	If recipient is an individual, show any relationship to any foundation manager or substantial contributor	Foundation status of recipient	Purpose of grant or contribution	Amount
ARTISANS ASYLUM INC 10 TYLER ST. SOMERVILLE, MA 02143		PC	ADD EQUIPMENT FOR RF DEVELOPMENT TO THE ARTISANS ASYLUM ELECTRONICS AND ROBOTICS SHOP,	11,781.
CIBOLA COUNTY AMATEUR RADIO CLUB OF NEW MEXICO INC. 2260 WEST HIGHWAY 66 GRANTS, NM 87020		PC	UPGRADE TO VARA FM ON THEIR REPEATERS AND BASE STATIONS.	2,000.
RADIO SCOUTING, INC. 145 EAST STORY ROAD WINTER GARDEN, FL 21903		PC	ADD SOLAR PANELS AND LITHIUM BATTERIES TO A SCOUT HAM TRAILER FOR A STEM EDUCATIONAL DISPLAY.	8,000.
PERRYVILLE HIGH SCHOOL 1696 PERRYVILLE RD. PERRYVILLE, MD 21903		GOV	CREATE AN OPPORTUNITY FOR HIGH SCHOOL STUDENTS TO BETTER UNDERSTAND FUNDAMENTAL RADIO COMMUNICATION	4,095.
UNIVERSITY OF NOTRE DAME DU LAC 257 FITZPATRICK HALL OF ENGINEERING NOTRE DAME, IN 46556		PC	PROVIDE STUDENTS WITH DEVELOPMENT TOOLS AND TEST EQUIPMENT FOR LEARNING ANALOG AND DIGITAL RADIO AND	14,200.
MARIN COUNTY SHERIFFS OFFICE RACES-ACS UNIT 1600 LOS GAMOS DR. STE. 200 SAN RAFAEL, CA 94903		PC	DEVELOP AN AREDN MESH BACKBONE IN MARIN AND SONOMA COUNTIES, INCLUDING MAINTENANCE AND ADMINISTRATION.	92,000.
SCIENCE IS ELEMENTARY 119 SHERLAND AVENUE MOUNTAIN VIEW, CA 94043		PC	PRODUCE A BOOK, RADIO KITS, AND HOST AN ON-SITE FIELD TRIP FOR YOUNG STUDENTS.	52,600.
PRA FOUNDATION 79 PRISCILLA AVE. WARWICK, RI 02889		PC	IMPROVING FRAGILE UHF DIGITAL NETWORK, THEIR HF INTERNET GATEWAYS, AND REMOTE DIGITAL HF STATIONS.	18,500.
HAMPTON UNIVERSITY PO BOX 19450 CHICAGO, IL 60619		PC	SCHOLARSHIP ASSISTANCE TO FUND FOUR [4] STUDENTS FOR ONE [1] FULL ACADEMIC YEAR AND ASSIST WITH NUMEROUS	200,748.
DEEP SPACE EXPLORATION SOCIETY 4164 AUSTIN BLUFFS PARKWAY BOX 562 COLORADO SPRINGS, CO 80918		PC	RESTORING AND OPERATING A 60-FOOT DISH ANTENNA FOR RADIO ASTRONOMY AND AMATEUR RADIO EXPERIMENTING	299,959.
<b>Total from continuation sheets</b> .....				

**Part XIV Supplementary Information**

**3 Grants and Contributions Paid During the Year (Continuation)**

Recipient Name and address (home or business)	If recipient is an individual, show any relationship to any foundation manager or substantial contributor	Foundation status of recipient	Purpose of grant or contribution	Amount
NORTHEASTERN INDIANA AMATEUR RADIO ASSOCIATION PO BOX 145 AUBURN, IN 46706		PC	EQUIP A NEW COMMUNICATIONS TRAILER.	24,927.
ELECTRONIC APPLICATIONS RADIO SERVICE 10193 CARDIGAN DRIVE UNION, KY 41091		PC	HOST THE 2022 YOTA-R2 CAMP FOR 30 YOUNG HAMS FROM ACROSS THE AMERICAS AT THE VOICE OF AMERICA MUSEUM.	35,566.
ALTERMUNDI AV. LAS ACACIAS S/N SC U-205 MZ 68 JOSE DE LA QUINTANA, CORDOBA, ARGENTINA X5189XAP		NC	DEVELOP MORE AGENCY FOR COMMUNITIES BY EXPANDING THE TOOLS AVAILABLE TO THEM WHILE AT THE SAME TIME	294,000.
TEXAS A&M FOUNDATION AGGIESAT 401 GEORGE BUSH DR. COLLEGE STATION, TX 77844		PC	EXPANSION AND EQUIPMENT UPGRADE FOR THE AGGIESAT LABORATORY	15,904.
SETI INSTITUTE 189 BERNARDO AVENUE NO. 200 MOUNTAIN VIEW, CA 94043		PC	MAKE A NUMBER OF IMPROVEMENTS TO GNU RADIO THAT REPRESENT BOTH SHORT AND LONG-TERM ENHANCEMENTS	263,011.
ASSOCIATED UNIVERSITIES, INC 1400 16TH STREET NW, SUITE 730 WASHINGTON, DC 20036		PC	INTRODUCE TWO COHORTS OF STUDENTS TO RADIO TECHNOLOGIES AND DEVELOP A SCALABLE, HANDS-ON CURRICULUM.	315,123.
WESTERN WAYNE SCHOOLS 205 E. PARKWAY DRIVE CAMBRIDGE CITY, IN 47327		GOV	TO SET UP A RADIO STATION AT A SCHOOL.	22,275.
LEHI AMATEUR RADIO CLUB (LARC) 1856 N. 800 E. LEHI, UT 84043		PC	UPGRADE BATTERY BACKUP SYSTEMS, EQUIPMENT RACKING, AND 1KW INVERTER. INSTALL POWER MONITORING	10,500.
HANCOCK COUNTY 640 S. FRANKLIN ST. GREENFIELD, IN 46140		GOV	REPLACEMENT OF EXISTING AMATEUR RADIO COMMUNICATIONS EQUIPMENT AND THE INTRODUCTION OF NEW	20,900.
WASHINGTON WOMEN IN NEED 232 5TH AVE S. KIRKLAND, WA 98033		PC	PROVIDE SCHOLARSHIP FUNDING FOR WOMEN STUDYING STEM MAJORS.	85,000.
<b>Total from continuation sheets</b>				



**Part XIV** Supplementary Information

**3 Grants and Contributions Paid During the Year (Continuation)**

Recipient Name and address (home or business)	If recipient is an individual, show any relationship to any foundation manager or substantial contributor	Foundation status of recipient	Purpose of grant or contribution	Amount
GLOUCESTER COUNTY AMATEUR RADIO FOUNDATION 116 WINTERBERRY WAY WOODBURY, NJ 08096		PC	ESTABLISH A VHF/UHF STATION AT THE GCARC CLUBHOUSE THAT CAN BE USED FOR RESEARCH AND EDUCATION OF HAMS IN	11,148.
THE NATIONAL VOICE OF AMERICA MUSEUM OF BROADCASTING 8070 TYLERSVILLE RD. WEST CHESTER, OH 45069		PC	TO EXPAND AND RELOCATE THE MUSEUM'S STEM LAB.	25,500.
ELKO COUNTY SCHOOL DISTRICT 14650 LAMOILLE HWY. SPRING CREEK, NV 89815		GOV	PROVIDE BOOKS, SOLDERING STATIONS, KITS, AND ANTENNA BUILDING SUPPLIES IN SUPPORT OF AN AMATEUR	5,027.
CENTER FOR AMATEUR RADIO LEARNING 600 E WASHINGTON ST. PHOENIX, AZ 85004		PC	TO UPGRADE AMATEUR RADIO EQUIPMENT FOR THE ARIZONA SCIENCE CENTER, WHICH SERVES 100,000+ STUDENTS	12,601.
BONNER COUNTY AMATEUR RADIO CLUB INC PO BOX 792 PODERAY, ID 83864		PC	UPDATING THE VHF & UHF ANTENNA SYSTEMS AT 5 PARTICIPATING REPEATER SITES.	26,150.
EAST TENNESSEE REPEATER ASSOCIATION 124 DEPEW DRIVE LOUDON, TN 37774		PC	RESTORING TO AIR REPEATERS ON 6 METERS, 2 METERS, 70 CENTIMETERS, AS WELL AS THE 2 METER APRS	18,645.
EAST TENNESSEE REPEATER ASSOCIATION 124 DEPEW DRIVE LOUDON, TN 37774		PC	ADDITIONAL FUNDS TO SUPPORT PROJECT #249.	64,087.
REGENTS OF UNIVERSITY OF MICHIGAN 19000 HUBBARD DR. DEARBORN, MI 48126		PC	REPAIR A REPEATER, INSTALL AN OUTLET, DIGITIZE CLUB DOCUMENTS, AND GET A VHF RECEIVER FOR A	5,026.
HAMPDEN COUNTY RADIO ASSOCIATION INC. 100 KENMORE DRIVE LONGMEADOW, MA 01106		PC	TO CREATE A 17-DAY LONG AMATEUR RADIO DEMONSTRATION AT THE EASTERN STATES EXPOSITION.	10,000.
MONTROSE AMATEUR RADIO CLUB 67194 OMAR COURT MONTROSE, CO 81401		PC	REPLACE A 40+-YEAR-OLD CAMPER TRAILER WITH A NEW 6X12 CARGO TRAILER.	8,850.
<b>Total from continuation sheets</b> .....				

**Part XIV** Supplementary Information

**3 Grants and Contributions Paid During the Year (Continuation)**

Recipient Name and address (home or business)	If recipient is an individual, show any relationship to any foundation manager or substantial contributor	Foundation status of recipient	Purpose of grant or contribution	Amount
SOUTH MOUNTAIN REPEATER ASSOCIATION, INC. 221 W MAIN STREET MECHANICSBURG, PA 17055		PC	TO SUPPORT AMATEUR RADIO FCC TEST PREPARATION CLASSES.	13,452.
SPOUT SPRINGS REPEATER ASSOCIATION PO BOX 5243 KENNEWICK, WA 99336		PC	ENCOURAGE, TRAIN, AND TEST YOUTH TO OBTAIN THEIR AMATEUR RADIO LICENSE, AS WELL AS PROVIDE THEM WITH AN	11,859.
MICHIGAN STATE UNIVERSITY 1410 ENGINEERING BUILDING EAST LANSING, MI 48825		PC	TO REBUILD MSUARCS ANTENNA SYSTEM.	29,237.
RICOMU 285 3RD AVE WARWICK, RI 02888		PC	DEPLOY A STATEWIDE IP-BASED RF MESH NETWORK THAT IS COMPLETELY NON-INTERNET	83,000.
AFRICAN COMMUNITY HOUSING AND DEVELOPMENT 16526 MILITARY RS. S. NO. 206 SEATAC, WA 98188		PC	PROVIDING A HANDS-ON ELECTRICAL ENGINEERING SUMMER PROGRAM FOR AFRICAN DIASPORA YOUTH CULMINATING IN	60,492.
TOOLE COUNTY SCHOOL DISTRICT 211 SOUTH TOOLE BLVD TOOLE, UT 98188		GOV	PREP STUDENTS FOR THE TECHNICIAN EXAM. DIRECT ARISS CONTACT. LAUNCH A HIGH ALTITUDE BALLOON. BUILD A	29,640.
SALEM AMATEUR RADIO CLUB INC. PO BOX 61 SALEM, OR 97308		PC	REPLACE THEIR CURRENT REPEATER SYSTEM WITH NEW, RELIABLE EQUIPMENT.	22,000.
CENTRAL MICHIGAN AMATEUR NETWORK PO BOX 649 FENTON, MI 48430		PC	TO REPLACE 3.4GHZ LINKS AND BUILD OUT COMMUNICATIONS GEAR AT THEIR SITES ACROSS THE STATE OF MICHIGAN.	250,945.
EMERGENCY COMMUNICATIONS IN CALABASAS 25328 PRADO DE LOS ARBOLES CALABASAS, CA 91302		PC	DEPLOY WINLINK GATEWAYS AT EXISTING SECURE SITES. HOLD CLASSES TO DEMONSTRATE THE USE OF GATEWAYS.	14,106.
TUCSON AMATEUR PACKET RADIO CORPORATION 1055 WILDERNESS BLUFF TIPP CITY, OH 45371		PC	DESIGN SUPPORT FOR DE-MK-II INCLUDING FLOAT LICENSES FOR DEVELOPMENT TOOLS MAGNETOPIHAT	125,540.
<b>Total from continuation sheets</b> .....				

**Part XIV** Supplementary Information

**3 Grants and Contributions Paid During the Year (Continuation)**

Recipient Name and address (home or business)	If recipient is an individual, show any relationship to any foundation manager or substantial contributor	Foundation status of recipient	Purpose of grant or contribution	Amount
SANGAMON VALLEY RADIO CLUB INC. PO BOX 9162 SPRINGFIELD, IL 62791		PC	PURCHASE EQUIPMENT TO CONDUCT AMATEUR RADIO DIRECTION FINDING EVENTS.	1,824.
UNIVERSITY OF CALIFORNIA, SANTA BARBARA 2104 HAROLD FRANK HALL SANTA BARBARA, CA 93106		PC	TO STUDY USAGE OF A COMMUNITY NETWORK THAT PROVIDES INTERNET ACCESS TO OVER 60,000 RESIDENTS IN CAPE	109,648.
HEALTHCARE COMMUNITY AMATEUR RADIO CLUB 2020 UNIVERSITY BOULEVARD BIRMINGHAM, AL 35294		PC	PROVIDE WINLINK REMOTE MAIL SERVERS ACROSS MOST OF ALABAMA	72,382.
HEALTHCARE COMMUNITY AMATEUR RADIO CLUB 2020 UNIVERSITY BOULEVARD BIRMINGHAM, AL 35294		PC	PROVIDE 20 RADIO KITS AND PRE-POSITION THEM ACROSS ALABAMA, WITH ARRL STATE STAFF MEMBER WHO ARE	126,564.
ALUMNI AND FRIENDS OF GATOR AMATEUR RADIO 22829 SE 63 PL. HAWTHORNE, FL 32640		PC	GETTING A FULLY-REMOTE SETUP FOR THEIR FLEX 6600 SERIES RADIO.	12,700.
ECE REPEATER GROUP, INC. 8355 EMPIRE GRADE BONNY DOON, CA 95060		PC	CONSTRUCTION OF AN AMATEUR RADIO COMMUNICATIONS SITE.	46,800.
NEW ENGLAND AMATEUR RADIO, INC. PO BOX 812333 WELLESLEY, MA 02482		PC	PURCHASE TOOLS FOR RADIO FREQUENCY INTERFERENCE TEAMS.	23,640.
DEUTSCHER AMATEUR RADIO CLUB (DARC) E.V. LINDENALLEE 4 BAUNATAL, GERMANY 34225		NC	YOUTH SUMMER CAMP SUPPORT.	56,763.
DUVAL COUNTY AMATEUR RADIO EMERGENCY SERVICE, INC. 12569 PINE MARSH WAY JACKSONVILLE, FL 32226		PC	PURCHASE AND OUTFITTING OF AN AMATEUR RADIO SERVICE COMMUNICATIONS UNIT TRAILER.	40,000.
KAY COUNTY AMATEUR RADIO CLUB (KCARC) PO BOX 2750 PONCA CITY, OK 74602		PC	PURCHASE VARIOUS EQUIPMENT FOR CLASSES AND OUTREACH.	5,360.
<b>Total from continuation sheets</b> .....				

**Part XIV** Supplementary Information

**3 Grants and Contributions Paid During the Year (Continuation)**

Recipient Name and address (home or business)	If recipient is an individual, show any relationship to any foundation manager or substantial contributor	Foundation status of recipient	Purpose of grant or contribution	Amount
HARLAN COMMUNITY SCHOOL DISTRICT EDUCATION FOUNDATION 2102 DURANT HARLAN, LA 51537		PC	EQUIPMENT FOR SCHOOL CLUB. PURCHASES GO BOX, KITS FOR STUDENTS TO BUILD, AND EXAM BOOKS.	11,000.
K2BSA AMATEUR RADIO ASSOCIATION 307 SPANISH PASS RD. BOERNE, TX 78006		PC	SUPPORT AMATEUR RADIO ACTIVITIES AT THE BOY SCOUTS JAMBOREE.	31,683.
DEUTSCHER AMATEUR RADIO CLUB (DARC) E.V. LINDENALLEE 4 BAUNATAL, GERMANY 34225		NC	SUPPORTS SOFTWARE DEVELOPER TIME TO FURTHER THE OPEN SOURCE M17 PROJECT.	229,323.
LOUISIANA DELTA RADIO CLUB, INC 6019 NEW NATCHITOCHE RD WEST MONROE, LA 71292		PC	PURCHASE AND CUSTOMIZE A 7-8 X 18-FOOT TRAILER TO BE UTILIZED FOR EMERGENCY COMMUNICATIONS AND	18,493.
NEW ENGLAND SCI-TECH INC 16 TECH CIRCLE ROOM 101 NATICK, MA 01760		PC	EDUCATIONAL PROGRAM TO INCREASE THE NUMBER OF YOUTHS INVOLVED IN HAM RADIO. REACHES HOMESCHOOL COMMUNITY.	29,900.
ECE REPEATER GROUP, INC. 8355 EMPIRE GRADE BONNY DOON, CA 95060		PC	UPGRADE FAILING HARDWARE FOR A UHF REPEATER SYSTEM, AND EXPAND IT. REFRESH VHF REPEATER HARDWARE.	22,801.
MAINE AMATEUR RADIO FOUNDATION INCORPORATED (MARF) P O BOX 159 SUMNER SUMMER, ME 04292		PC	EXPAND AN AREDN MESH NETWORK TO 15 MORE SITES ACROSS THE STATE OF MAINE UTILIZING HAM RADIO 5.8 GHZ	41,798.
ARRL FOUNDATION 225 MAIN STREET NEWINGTON, CT 06111		PC	SCHOLARSHIPS FOR YOUTH ATTENDING COLLEGE WHO HAVE AN INTEREST IN AMATEUR RADIO.	500,000.
RICOMU 285 3RD AVE WARWICK, RI 02888		PC	SUPPLEMENTAL FUNDS FOR GRANT #262 TO ENSURE THE OBSERVATION CABS ARE WEATHER TIGHT. TO IMPROVE AND UPDATE THE	37,700.
801LABS 440 S 700 E SALT LAKE CITY, UT 84102		PC	SUPPORT AMATEUR RADIO CLASSES AT A HACKERSPACE.	10,911.
<b>Total from continuation sheets</b> .....				

**Part XIV** Supplementary Information

**3 Grants and Contributions Paid During the Year (Continuation)**

Recipient Name and address (home or business)	If recipient is an individual, show any relationship to any foundation manager or substantial contributor	Foundation status of recipient	Purpose of grant or contribution	Amount
KENTUCKY DISTRICT 7 AMATEUR RADIO EMERGENCY TEAM INC. 1409 MOUNT ZION ROAD UNION, KY 41091		PC	MOVE TWO CLUB REPEATERS FROM A REPEATER SATURATED GEOGRAPHICAL AREA TO A NEWLY AVAILABLE RADIO	13,000.
MUSEUM OF INFORMATION EXPLOSION 922 MERCHANTS WALK ROOM A HUNTSVILLE, AL 35803		PC	DEVELOP A MUSEUM AMATEUR RADIO DISPLAY WITH OLD AND NEW EQUIPMENT.	16,495.
TUCSON AMATEUR PACKET RADIO CORPORATION 1055 WILDERNESS BLUFF TIPP CITY, OH 45371		PC	PRODUCE AN OPEN SOURCE DESIGN FOR A LOW-COST UNIVERSAL RADIO TEST INSTRUMENT.	296,760.
WEST VIRGINIA UNIVERSITY FOUNDATION ONE WATERFRONT PLACE 7TH FLOOR MORGANTOWN, WV 26507		PC	FIX BROKEN AND OUTDATED EQUIPMENT FOR AN ACTIVE UNIVERSITY CLUB.	14,988.
LEHI AMATEUR RADIO CLUB 1856 N. 800 E. LEHI, UT 84043		PC	MOVE A REPEATER TO A MORE SUITABLE SITE 2.5 MILES TO THE WEST ON EAGLE MOUNTAIN, AND LINK THIS REPEATER TO	4,184.
SOUTHEAST COMMUNITY DEVELOPMENT CORPORATION PO BOX 327 BELL, CA 90201		PC	PROVIDE FREE ELECTRONICS CLASSES AND PURCHASE RADIO EQUIPMENT, ANTENNAS, CABLES, AND	36,048.
AMERICAN INDIAN SCIENCE AND ENGINEERING SOCIETY 4263 MONTGOMERY BLVD. NE. NO. 200 ALBUQUERQUE, NM 87106		PC	PROVIDE TWELVE \$2,500 SCHOLARSHIPS AND PROVIDE LEADERSHIP TRAINING OPPORTUNITIES,	72,000.
INTERNET SECURITY RESEARCH GROUP 650 CASTRO ST STE 300 MOUNTAIN VIEW, CA 94041		PC	GENERAL OPERATING	2,000.
TECHSOUP GLOBAL 435 BRANNAN ST NO 100 SAN FRANCISCO, CA 94107		PC	GENERAL OPERATING	1,000.
CREATIVE COMMONS 211 HOPE ST UNIT 1866 MOUNTAIN VIEW, CA 94041		PC	GENERAL OPERATING	1,000.
<b>Total from continuation sheets</b> .....				

**Part XIV** Supplementary Information

**3 Grants and Contributions Paid During the Year (Continuation)**

Recipient Name and address (home or business)	If recipient is an individual, show any relationship to any foundation manager or substantial contributor	Foundation status of recipient	Purpose of grant or contribution	Amount
OPEN STREET MAP FOUNDATION 888 WHITE PLAINS RD TRUMBULL, CT 06611		PC	GENERAL OPERATING	1,000.
WATCH DUTY (SHERWOOD FORESTRY SERVICE) 3000 SWEETWATER SPRINGS RD HEALDSBURG, CA 95448		PC	GENERAL OPERATING	2,136.
UNIVERSITY OF SOUTH FLORIDA FOUNDATION, INC 4202 EAST FOWLER AVENUE TAMPA, FL 33620		PC	INSTALL A UHF REPEATER AT USF.	14,900.
CASE WESTERN RESERVE UNIVERSITY 10900 EUCLID AVENUE CLEVELAND, OH 44106		PC	TO SUPPORT UNDERGRADUATE ENGINEERING AND PHYSICS STUDENTS' SENIOR PROJECTS WHICH	3,000.
SOCIETY OF WOMEN ENGINEERS 128 MEMORIAL UNION PO BOX 6050 FARGO, ND 58102		PC	CONTINUATION OF 2021 PROGRAMS - 30 SCHOLARSHIPS, LONGITUDINAL STUDY ON HOW TO SUPPORT MORE	365,000.
SOFTWARE FREEDOM CONSERVANCY 137 MONTAGUE ST. BROOKLYN, NY 11201		PC	PROVIDE 100 INTERNSHIPS FOR FREE AND OPEN SOURCE SOFTWARE DEVELOPERS FROM UNDERREPRESENTED	200,000.
TOBB ETU SOGUTOZU CAD. NO: 43, SOGUTOZU ANKARA, ANKARA, TURKEY 06560		NC	UPDATE A CURRENT SOFTWARE DEFINED RADIO (SDR) COURSE AND OFFER NEW ADVANCED COURSE AT TOBB ETU, A NON-PROFIT	32,059.
RANDOLPH AMATEUR RADIO CLUB INC 10315 W. RIVER RD. RIDGEVILLE, IN 47380		PC	PROVIDE AMATEUR RADIO CLASSES AT LOCAL SCHOOLS.	5,000.
SECKMAN MIDDLE SCHOOL 2840 SECKMAN RD IMPERIAL, MO 63052		GOV	PROVIDE CIRCUIT AND ELECTRONICS INSTRUCTIONS WITH SOLDERING KITS AND RADIO DIRECTION AND	5,141.
VON BRAUN ASTRONOMICAL SOCIETY PO BOX 1142 HUNTSVILLE, AL 35807		PC	ESTABLISH A COMPREHENSIVE METEOR DETECTION AND INTERPRETATION SET UP, AS WELL AS ADDITIONAL	14,321.
<b>Total from continuation sheets</b> .....				

**Part XIV Supplementary Information**

**3 Grants and Contributions Paid During the Year (Continuation)**

Recipient Name and address (home or business)	If recipient is an individual, show any relationship to any foundation manager or substantial contributor	Foundation status of recipient	Purpose of grant or contribution	Amount
NAVAJO TECHNICAL UNIVERSITY PO BOX 849, CROWNPOINT CROWNPOINT, NM 87313		PC	FUND START UP EQUIPMENT FOR A NEW CLUB AT NAVAJO TECHNICAL UNIVERSITY. EQUIPMENT WILL BE USED	5,000.
ILLINI SOLAR CAR 306 N. WRIGHT ST. STE. 4042 URBANA, IL 61801		PC	REPLACE OLD BROKEN AMATEUR RADIO EQUIPMENT BEING USED IN A SOLAR CAR RACE.	6,300.
OMIK SCHOLARSHIP FUND 64 VINE GROVE LN. CORDOVA, TN 38018		PC	FUND SCHOLARSHIPS FOR STUDENTS INVOLVED IN AMATEUR RADIO.	30,000.
NATIVE FORWARD SCHOLARS FUND 3701 SAN MATEO BLVD. NE. STE. 200 ALBUQUERQUE, NM 87110		PC	PROVIDE NATIVE SCHOLARS ACCESS TO COMMUNICATION AND STEM-RELATED FIELDS, INCLUDING RADIO	250,000.
UNIVERSITY OF ARIZONA 1127 E. JAMES E. ROGERS WAY, ROOM 303 TUCSON, AZ 85721		PC	PROVIDE LOANER RADIOS TO NEW MEMBERS AND EQUIPMENT FOR EXPERIMENTATION WITH DIGITAL MODES.	4,304.
THE UNIVERSITY OF SCRANTON 800 LINDEN ST. SCRANTON, PA 18510		PC	FUNDING FOR STUDENTS TO ATTEND THE HAM RADIO SCIENCE CITIZEN INVESTIGATION (HAMSCI) WORKSHOP.	25,245.
<b>Total from continuation sheets</b> .....				

**Part XIV** Supplementary Information

**3 Grants and Contributions Approved for Future Payment (Continuation)**

Recipient Name and address (home or business)	If recipient is an individual, show any relationship to any foundation manager or substantial contributor	Foundation status of recipient	Purpose of grant or contribution	Amount
OPEN COLLECTIVE EUROPE ASBL/VZW CANTERSTEEN 10, 1000 BRUSSELS, BELGIUM		NC	TO BUILD AN INDEPENDENT 5GHZ BACKBONE IP NETWORK FOR PUBLIC AMATEUR RADIO SERVICES.	99,915.
LIBRE SPACE FOUNDATION AMPATIELLOU 11 ATHENS, GREECE 11144		PC	GENERAL OPERATING	1,000.
ELECTRONIC FRONTIER FOUNDATION (EFF) 815 EDDY ST SAN FRANCISCO, CA 94109		PC	GENERAL OPERATING	2,500.
LIBREOFFICE (THE DOCUMENT FOUNDATION) 1732 1ST AVE NEW YORK, NY 10128		PC	GENERAL OPERATING	1,000.
THUNDERBIRD / MOZILLA FOUNDATION 331 E EVELYN AVE MOUNTAIN VIEW, CA 94014		PC	GENERAL OPERATING	1,000.
THE TOR PROJECT 217 1ST AVE SOUTH NO 4903 SEATTLE, WA 98194		PC	GENERAL OPERATING	1,000.
WIKIMEDIA FOUNDATION 1 MONTGOMERY ST SUITE 1600 SAN FRANCISCO, CA 94104		PC	GENERAL OPERATING	2,500.
YOUNG LADIES RADIO LEAGUE 13208 NE 5TH AVE VANCOUVER, WA 98685		PC	GENERAL OPERATING	1,000.
SOFTWARE FREEDOM CONSERVANCY 137 MONTAGUE ST BROOKLYN, NY 11201		PC	GENERAL OPERATING	6,000.
HAMPTON UNIVERSITY PO BOX 19450 CHICAGO, IL 60619		PC	NINE SCHOLARSHIPS TO A PRESTIGIOUS HISTORICALLY BLACK UNIVERSITY.	203,800.
<b>Total from continuation sheets</b>				<b>319,715.</b>



**Part XIV** Supplementary Information

## 3a Grants and Contributions Paid During the Year Continuation of Purpose of Grant or Contribution

NAME OF RECIPIENT - MERCATUS CENTER

INSPIRED FROM TUBESAT/CUBESAT BY THE INTERORBITAL SYSTEMS, A 1U CUBESAT WILL BE DEVELOPED, WHICH WILL THEM BE LAUNCHED TO THE STRATOSPHERE AND SUBORBITAL SPACE.

NAME OF RECIPIENT - THE UNIVERSITY OF SCRANTON

THE PURCHASE AND INSTALLATION OF A COMPLETE AMATEUR RADIO STATION FOR THE W3USR UNIVERSITY OF SCRANTON AMATEUR RADIO CLUB.

NAME OF RECIPIENT - PLEASANT VALLEY AMATEUR RADIO CLUB

EXTENDING REPEATER SYSTEM TO ALL OF VENTURA COUNTY AND EXISTING SITES SIGNIFICANTLY IMPROVED AND HARDENED. SOME FUNDING WILL BE ALLOCATED FOR SPARE EQUIPMENT TO COVER OUTAGES.

NAME OF RECIPIENT - SONDEHUB

CONTINUE OPERATIONS FOR 12 MONTHS FOR A GLOBAL, CROWDSOURCED METEOROLOGICAL WEATHER BALLOON MONITORING PLATFORM.

NAME OF RECIPIENT - COLORADO SCHOOL OF MINES

ESTABLISH A NEW ELECTROMAGNETIC FIELD IMAGING CENTER AT THE COLORADO SCHOOL OF MINES, INCLUDING EQUIPMENT PURCHASES AND HIRING A STUDENT PHD RESEARCHER.

NAME OF RECIPIENT - SAN FRANCISCO WIRELESS EMERGENCY MESH, INC - BAY AREA MESH

TO BUILD A WIRELESS BACKBONE BETWEEN MULTIPLE RURAL COUNTIES WITHIN NORTHERN EASTERN CALIFORNIA, OTHERWISE KNOWN AS THE HIGH SIERRAS. THE INTENTION OF THE NETWORK IS TO BUILD A COMMON BACKBONE FOR MULTIPLE

**Part XIV** Supplementary Information

3a Grants and Contributions Paid During the Year Continuation of Purpose of Grant or Contribution

EMERGENCY SERVICES, PUBLIC LIFE SAFETY, PUBLIC EDUCATION, AND AMATEUR RADIO USERS.

NAME OF RECIPIENT - BRADLEY UNIVERSITY

DESIGN A DIGITAL TRANSCEIVER SYSTEM FOR DIGITAL RADIO EXPERIMENTATION IN THE NOW UNDER-UTILIZED 915MHZ BAND ALLOCATION.

NAME OF RECIPIENT - MIDDLE EAST TECHNICAL UNIVERSITY, METU

DEVELOP AN OPEN-SOURCE EDUCATION AND RESEARCH SOFTWARE FRAMEWORK THAT FACILITATES THE DEVELOPMENT OF DISTRIBUTED ALGORITHMS ON WIRELESS NETWORKS CONSIDERING THE IMPAIRMENTS OF WIRELESS CHANNELS. THE FRAMEWORK WILL BE USED AS A LEARNING AND PROMPT-PROTOTYPING TOOL. THE EXPECTED RESULT WILL BE PUBLISHED AS OPEN-SOURCE SOFTWARE FOR BROAD REACH.

NAME OF RECIPIENT - DEUTSCHER AMATEUR RADIO CLUB (DARC) E.V.

EXTEND EXISTING OPEN SOURCE PROJECTS IN THE DOMAIN OF GSM/GPRS TO ENSURE THEY CAN BE USED TO OPERATE BOTH THE BASE STATION (BTS) AND PHONE (MS) SIDE INSIDE AMATEUR RADIO BANDS.

NAME OF RECIPIENT - DEUTSCHER AMATEUR RADIO CLUB (DARC) E.V.

CURRENT ISSUES NEED TO BE FIXED AND A RECENT LINUX KERNEL SHOULD PROVIDE FULL AX.25 SUPPORT AGAIN. COMMON TOOLS LIKE AX25-APPS, AX25-TOOLS AND LIBAX25 NEED TO BE UPGRADED TO WORK WITH THE CURRENT LINUX ARCHITECTURE. STANDARD TOOLS LIKE "IP" AND "SS" NEED ADAPTIONS TO SUPPORT AX.25.

NAME OF RECIPIENT - INTERNET ARCHIVE

223655 04-01-22

**Part XIV** Supplementary Information

## 3a Grants and Contributions Paid During the Year Continuation of Purpose of Grant or Contribution

TO BUILD THE DIGITAL LIBRARY OF AMATEUR RADIO & COMMUNICATIONS (DLARC), AN ONLINE, OPEN-ACCESS RESOURCE THAT PRESERVES THE VITAL RESOURCES -- PAST, PRESENT, AND FUTURE -- THAT DOCUMENT THE HISTORY OF AMATEUR RADIO AND COMMUNICATIONS.

NAME OF RECIPIENT - HIGHLINE AMATEUR RADIO CLUB

DEVELOP DIGITAL RADIO SITE INFRASTRUCTURE AT 2 LOCATIONS. DEPLOY PRE-INSTALLED VHF/UHF AND MESH ANTENNAS AT KEY COMMUNITY FACILITIES. DEPLOY DMR, AND WINLINK+VARA RADIO EQUIPMENT AT THE KEY COMMUNITY FACILITIES.

NAME OF RECIPIENT - RADIO AMATEUR SATELLITE CORPORATION (DBA AMSAT)

DESIGN AND CONSTRUCTION OF THREE SPACE FRAMES WITH FIXED AND DEPLOYABLE SOLAR PANELS FOR AN UPCOMING SERIES OF 3U SATELLITES

NAME OF RECIPIENT - OESTERREICHISCHER VERSUCHSENDEVERBAND - DACHVERBAND (AUSTRIAN RADIO AMATEUR)

DEVELOPING AND DEPLOYING A NEW DIGITAL TRANSMISSION PROCEDURE ALLOWING HIGH SPEED DATA COMMUNICATION IN SUB-GHZ FREQUENCY BANDS WITH THE PURPOSE TO PROVIDE A LAST MILE ACCESS TO HAMNET.

NAME OF RECIPIENT - ARTISANS ASYLUM INC

ADD EQUIPMENT FOR RF DEVELOPMENT TO THE ARTISANS ASYLUM ELECTRONICS AND ROBOTICS SHOP, INCLUDING A SPECTRUM ANALYZER, RF SIGNAL GENERATOR, A HAM TRANSCEIVER, A COMPUTER FOR DIGITAL MODES, AND A SIMPLE ROOF ANTENNA.

NAME OF RECIPIENT - PERRYVILLE HIGH SCHOOL

**Part XIV** Supplementary Information

## 3a Grants and Contributions Paid During the Year Continuation of Purpose of Grant or Contribution

CREATE AN OPPORTUNITY FOR HIGH SCHOOL STUDENTS TO BETTER UNDERSTAND  
FUNDAMENTAL RADIO COMMUNICATION AND ITS DEPENDENCIES BY CREATING RADIO  
COMMUNICATION KITS.

NAME OF RECIPIENT - UNIVERSITY OF NOTRE DAME DU LAC

PROVIDE STUDENTS WITH DEVELOPMENT TOOLS AND TEST EQUIPMENT FOR LEARNING  
ANALOG AND DIGITAL RADIO AND ANTENNA TECHNOLOGY

NAME OF RECIPIENT - HAMPTON UNIVERSITY

SCHOLARSHIP ASSISTANCE TO FUND FOUR [4] STUDENTS FOR ONE [1] FULL  
ACADEMIC YEAR AND ASSIST WITH NUMEROUS STUDENTS GAPS IN TUITION AND  
ASSOCIATED COSTS FOR ATTENDANCE AT HAMPTON UNIVERSITY

NAME OF RECIPIENT - ALTERMUNDI

DEVELOP MORE AGENCY FOR COMMUNITIES BY EXPANDING THE TOOLS AVAILABLE TO  
THEM WHILE AT THE SAME TIME DRASTICALLY REDUCING THE NUMBER OF LOW  
LEVEL SOFTWARE PROBLEMS THAT ARE SPECIALLY CHALLENGING FOR THEM TO DEAL  
WITH.

NAME OF RECIPIENT - SETI INSTITUTE

MAKE A NUMBER OF IMPROVEMENTS TO GNU RADIO THAT REPRESENT BOTH SHORT  
AND LONG-TERM ENHANCEMENTS TO THE CAPABILITIES AND EASE OF USE OF GNU  
RADIO WITH AN EMPHASIS ON INCREASING ACCESSIBILITY AND MAINTAINABILITY  
OF THE SOFTWARE.

NAME OF RECIPIENT - LEHI AMATEUR RADIO CLUB (LARC)

UPGRADE BATTERY BACKUP SYSTEMS, EQUIPMENT RACKING, AND 1KW INVERTER.  
INSTALL POWER MONITORING DEVICES. EXPAND AREDN SYSTEM. PROVIDE SPARE

**Part XIV** Supplementary Information

## 3a Grants and Contributions Paid During the Year Continuation of Purpose of Grant or Contribution

REPEATER, CONTROLLER AND DUPLEXERS FOR THE LARC SYSTEM. ADD ALLSTAR LINKING SYSTEM.

NAME OF RECIPIENT - HANCOCK COUNTY

REPLACEMENT OF EXISTING AMATEUR RADIO COMMUNICATIONS EQUIPMENT AND THE INTRODUCTION OF NEW EQUIPMENT.

NAME OF RECIPIENT - GLOUCESTER COUNTY AMATEUR RADIO FOUNDATION

ESTABLISH A VHF/UHF STATION AT THE GCARC CLUBHOUSE THAT CAN BE USED FOR RESEARCH AND EDUCATION OF HAMS IN THE SOUTHERN NEW JERSEY AREA.

NAME OF RECIPIENT - ELKO COUNTY SCHOOL DISTRICT

PROVIDE BOOKS, SOLDERING STATIONS, KITS, AND ANTENNA BUILDING SUPPLIES IN SUPPORT OF AN AMATEUR RADIO CLASS BEING OFFERED AS AN ELECTIVE TO 7TH AND 8TH GRADE STUDENTS AT SPRING CREEK MIDDLE SCHOOL IN SPRING CREEK, NEVADA.

NAME OF RECIPIENT - CENTER FOR AMATEUR RADIO LEARNING

TO UPGRADE AMATEUR RADIO EQUIPMENT FOR THE ARIZONA SCIENCE CENTER, WHICH SERVES 100,000+ STUDENTS ANNUALLY.

NAME OF RECIPIENT - EAST TENNESSEE REPEATER ASSOCIATION

RESTORING TO AIR REPEATERS ON 6 METERS, 2 METERS, 70 CENTIMETERS, AS WELL AS THE 2 METER APRS DIGIPEATER.

NAME OF RECIPIENT - REGENTS OF UNIVERSITY OF MICHIGAN

REPAIR A REPEATER, INSTALL AN OUTLET, DIGITIZE CLUB DOCUMENTS, AND GET A VHF RECEIVER FOR A BALLOON TRACKING PROGRAM.

**Part XIV** Supplementary Information

## 3a Grants and Contributions Paid During the Year Continuation of Purpose of Grant or Contribution

NAME OF RECIPIENT - SPOUT SPRINGS REPEATER ASSOCIATION

ENCOURAGE, TRAIN, AND TEST YOUTH TO OBTAIN THEIR AMATEUR RADIO LICENSE, AS WELL AS PROVIDE THEM WITH AN ENTRY-LEVEL RADIO, AND A REPEATER NETWORK, AT NO COST TO THEM SO THAT THE HOBBY OF AMATEUR RADIO IS CARRIED INTO THE NEXT GENERATION.

NAME OF RECIPIENT - RICOMU

DEPLOY A STATEWIDE IP-BASED RF MESH NETWORK THAT IS COMPLETELY NON-INTERNET DEPENDENT, WITH A COMPANION NETWORK OF IP-LINKED YASU FUSION DIGITAL VOICE REPEATERS.

NAME OF RECIPIENT - AFRICAN COMMUNITY HOUSING AND DEVELOPMENT

PROVIDING A HANDS-ON ELECTRICAL ENGINEERING SUMMER PROGRAM FOR AFRICAN DIASPORA YOUTH CULMINATING IN STUDENTS RECEIVING A HAM RADIO LICENSE.

NAME OF RECIPIENT - TOOELE COUNTY SCHOOL DISTRICT

PREP STUDENTS FOR THE TECHNICIAN EXAM. DIRECT ARISS CONTACT. LAUNCH A HIGH ALTITUDE BALLOON. BUILD A CLASSROOM HAM SHACK.

NAME OF RECIPIENT - EMERGENCY COMMUNICATIONS IN CALABASAS

DEPLOY WINLINK GATEWAYS AT EXISTING SECURE SITES. HOLD CLASSES TO DEMONSTRATE THE USE OF GATEWAYS. DEPLOY TWO CLEARPT SYSTEMS AND PROMOTE THEIR USE BY HOLDING CLASSES.

NAME OF RECIPIENT - TUCSON AMATEUR PACKET RADIO CORPORATION

DESIGN SUPPORT FOR DE-MK-II INCLUDING FLOAT LICENSES FOR DEVELOPMENT TOOLS MAGNETOPIHAT MAGNETOMETER BUILD.

**Part XIV** Supplementary Information

## 3a Grants and Contributions Paid During the Year Continuation of Purpose of Grant or Contribution

NAME OF RECIPIENT - UNIVERSITY OF CALIFORNIA, SANTA BARBARA  
TO STUDY USAGE OF A COMMUNITY NETWORK THAT PROVIDES INTERNET ACCESS TO  
OVER 60,000 RESIDENTS IN CAPE TOWN, SOUTH AFRICA.

NAME OF RECIPIENT - HEALTHCARE COMMUNITY AMATEUR RADIO CLUB  
PROVIDE 20 RADIO KITS AND PRE-POSITION THEM ACROSS ALABAMA, WITH ARRL  
STATE STAFF MEMBER WHO ARE DEPLOYABLE WITH FEMA TYPE 3 & 4 TEAMS TO  
ANYWHERE IN THE STATE OR OTHER DISASTER AREAS.

NAME OF RECIPIENT - LOUISIANA DELTA RADIO CLUB, INC  
PURCHASE AND CUSTOMIZE A 7-8 X 18-FOOT TRAILER TO BE UTILIZED FOR  
EMERGENCY COMMUNICATIONS AND SPECIAL EVENTS.

NAME OF RECIPIENT - NEW ENGLAND SCI-TECH INC  
EDUCATIONAL PROGRAM TO INCREASE THE NUMBER OF YOUTHS INVOLVED IN HAM  
RADIO. REACHES HOMESCHOOL COMMUNITY. INVOLVES MAKERSPACE.

NAME OF RECIPIENT - MAINE AMATEUR RADIO FOUNDATION INCORPORATED (MARF)  
EXPAND AN AREDN MESH NETWORK TO 15 MORE SITES ACROSS THE STATE OF MAINE  
UTILIZING HAM RADIO 5.8 GHZ FREQUENCIES AND CREATE A USER UPLINK PORT  
USING THE 2.4 GHZ HAM RADIO FREQUENCIES.

NAME OF RECIPIENT - RICOMU  
SUPPLEMENTAL FUNDS FOR GRANT #262 TO ENSURE THE OBSERVATION CABS ARE  
WEATHER TIGHT. TO IMPROVE AND UPDATE THE ELECTRICAL SERVICE TO TWO OF  
THE THREE TOWERS.

**Part XIV** Supplementary Information

## 3a Grants and Contributions Paid During the Year Continuation of Purpose of Grant or Contribution

NAME OF RECIPIENT - KENTUCKY DISTRICT 7 AMATEUR RADIO EMERGENCY TEAM INC.  
MOVE TWO CLUB REPEATERS FROM A REPEATER SATURATED GEOGRAPHICAL AREA TO  
A NEWLY AVAILABLE RADIO TOWER.

NAME OF RECIPIENT - LEHI AMATEUR RADIO CLUB  
MOVE A REPEATER TO A MORE SUITABLE SITE 2.5 MILES TO THE WEST ON EAGLE  
MOUNTAIN, AND LINK THIS REPEATER TO THE LARC REPEATER SYSTEM  
PERMANENTLY, INCLUDING BEING ABLE TO PROVIDE ECHO LINK AND ALLSTAR  
NETWORK ACCESS.

NAME OF RECIPIENT - SOUTHEAST COMMUNITY DEVELOPMENT CORPORATION  
PROVIDE FREE ELECTRONICS CLASSES AND PURCHASE RADIO EQUIPMENT,  
ANTENNAS, CABLES, AND ACCESSORIES FOR A LOW-INCOME COMMUNITY IN  
SOUTHEAST LOS ANGELES.

NAME OF RECIPIENT - AMERICAN INDIAN SCIENCE AND ENGINEERING SOCIETY  
PROVIDE TWELVE \$2,500 SCHOLARSHIPS AND PROVIDE LEADERSHIP TRAINING  
OPPORTUNITIES, MENTORSHIP, ACCESS TO INTERNSHIP OPPORTUNITIES, ETC.

NAME OF RECIPIENT - CASE WESTERN RESERVE UNIVERSITY  
TO SUPPORT UNDERGRADUATE ENGINEERING AND PHYSICS STUDENTS' SENIOR  
PROJECTS WHICH DIRECTLY INVOLVE AMATEUR RADIO AND CLUB ACTIVITIES.

NAME OF RECIPIENT - SOCIETY OF WOMEN ENGINEERS  
CONTINUATION OF 2021 PROGRAMS - 30 SCHOLARSHIPS, LONGITUDINAL STUDY ON  
HOW TO SUPPORT MORE WOMEN IN BECOMING ENGINEERS, LEADERSHIP TRAINING,  
COMMUNITY COLLEGE TO 4-YEAR COLLEGE SUPPORT FOR ENGINEERS.



**Part XIV** Supplementary Information

## 3a Grants and Contributions Paid During the Year Continuation of Purpose of Grant or Contribution

NAME OF RECIPIENT - SOFTWARE FREEDOM CONSERVANCY

PROVIDE 100 INTERNSHIPS FOR FREE AND OPEN SOURCE SOFTWARE DEVELOPERS FROM UNDERREPRESENTED BACKGROUNDS.

NAME OF RECIPIENT - TOBB ETU

UPDATE A CURRENT SOFTWARE DEFINED RADIO (SDR) COURSE AND OFFER NEW ADVANCED COURSE AT TOBB ETU, A NON-PROFIT UNIVERSITY LOCATED IN ANKARA, TURKEY.

NAME OF RECIPIENT - SECKMAN MIDDLE SCHOOL

PROVIDE CIRCUIT AND ELECTRONICS INSTRUCTIONS WITH SOLDERING KITS AND RADIO DIRECTION AND RANGE FINDING OR FOXHUNTING ACTIVITIES AT A MIDDLE SCHOOL.

NAME OF RECIPIENT - VON BRAUN ASTRONOMICAL SOCIETY

ESTABLISH A COMPREHENSIVE METEOR DETECTION AND INTERPRETATION SET UP, AS WELL AS ADDITIONAL TOOLS FOR AMATEUR RADIO ASTRONOMY AND GEOPHYSICS EXPLORATION.

NAME OF RECIPIENT - NAVAJO TECHNICAL UNIVERSITY

FUND START UP EQUIPMENT FOR A NEW CLUB AT NAVAJO TECHNICAL UNIVERSITY. EQUIPMENT WILL BE USED IN A WIRELESS COMMUNICATION COURSE AND BY THE CLUB.

NAME OF RECIPIENT - NATIVE FORWARD SCHOLARS FUND

PROVIDE NATIVE SCHOLARS ACCESS TO COMMUNICATION AND STEM-RELATED FIELDS, INCLUDING RADIO COMMUNICATIONS , WIRELESS ENGINEERING, ELECTRICAL ENGINEERING, COMPUTER SCIENCE, DATA COMMUNICATIONS,

Part XIV Supplementary Information

3a Grants and Contributions Paid During the Year Continuation of Purpose of Grant or Contribution

NETWORKING, MECHANICAL/MATERIAL SCIENCE, EMERGENCY MANAGEMENT COMMUNICATIONS, MATHEMATICS AND PHYSICS.

Multiple horizontal lines for text entry.

**Part XIV** Supplementary Information

3b Grants and Contributions Approved for Future Payment Continuation of Purpose of Grant or Contribution

NAME OF RECIPIENT - BOEING EMPLOYEE'S AMATEUR RADIO SOCIETY

REFURBISH A REPEATER. UPGRADE BY ADDING ANALOG AND DIGITAL VOICE COMMUNICATIONS CHANNELS, AND BY DIGITAL NETWORKING.

NAME OF RECIPIENT - EAU CLAIRE AMATEUR RADIO CLUB

REPLACE CURRENT RADIOS IN THEIR EOCS SO ALL SITES CAN TALK TO EACH OTHER. INSTALL A HF ANTENNA. EQUIP A SMALL TRAILER FOR OUTREACH.

NAME OF RECIPIENT - KYUSHU INSTITUTE OF TECHNOLOGY

BUILD AND OPERATE A 2U CUBESAT. CARRY OUT TWO COMPETITIONS: (1) APRS MISSION PAYLOAD COMPETITION AND (2) APRS GROUND TERMINAL COMPETITION. ALSO DEMONSTRATE A NEW LOW-COST UHF TRANSCEIVER IN ORBIT.

# Underpayment of Estimated Tax by Corporations

Attach to the corporation's tax return. **FORM 990-PF**

**2022**

Go to [www.irs.gov/Form2220](http://www.irs.gov/Form2220) for instructions and the latest information.

Name **AMATEUR RADIO DIGITAL COMMUNICATIONS** Employer identification number **45-3751971**

**Note:** Generally, the corporation is not required to file Form 2220 (see Part II below for exceptions) because the IRS will figure any penalty owed and bill the corporation. However, the corporation may still use Form 2220 to figure the penalty. If so, enter the amount from page 2, line 38, on the estimated tax penalty line of the corporation's income tax return, but **do not** attach Form 2220.

**Part I Required Annual Payment**

1	Total tax (see instructions) .....	1	38,456.
2a	Personal holding company tax (Schedule PH (Form 1120), line 26) included on line 1 .....	2a	
2b	Look-back interest included on line 1 under section 460(b)(2) for completed long-term contracts or section 167(g) for depreciation under the income forecast method .....	2b	
2c	Credit for federal tax paid on fuels (see instructions) .....	2c	
2d	<b>Total.</b> Add lines 2a through 2c .....	2d	
3	Subtract line 2d from line 1. If the result is less than \$500, <b>do not</b> complete or file this form. The corporation does not owe the penalty .....	3	38,456.
4	Enter the tax shown on the corporation's 2021 income tax return. See instructions. <b>Caution:</b> If the tax is zero or the tax year was for less than 12 months, skip this line and enter the amount from line 3 on line 5 .....	4	29,122.
5	<b>Required annual payment.</b> Enter the <b>smaller</b> of line 3 or line 4. If the corporation is required to skip line 4, enter the amount from line 3 .....	5	29,122.

**Part II Reasons for Filing** - Check the boxes below that apply. If any boxes are checked, the corporation **must** file Form 2220 even if it does not owe a penalty. See instructions.

- 6  The corporation is using the adjusted seasonal installment method.
- 7  The corporation is using the annualized income installment method.
- 8  The corporation is a "large corporation" figuring its first required installment based on the prior year's tax.

**Part III Figuring the Underpayment**

	(a)	(b)	(c)	(d)
9 <b>Installment due dates.</b> Enter in columns (a) through (d) the 15th day of the 4th (Form 990-PF filers: Use 5th month), 6th, 9th, and 12th months of the corporation's tax year .....	05/15/22	06/15/22	09/15/22	12/15/22
10 <b>Required installments.</b> If the box on line 6 and/or line 7 above is checked, enter the amounts from Sch A, line 38. If the box on line 8 (but not 6 or 7) is checked, see instructions for the amounts to enter. If none of these boxes are checked, enter 25% (0.25) of line 5 above in each column .....	7,281.	7,280.	7,281.	7,280.
11 <b>Estimated tax paid or credited for each period.</b> For column (a) only, enter the amount from line 11 on line 15. See instructions .....	10,954.			18,206.
<b>Complete lines 12 through 18 of one column before going to the next column.</b>				
12 Enter amount, if any, from line 18 of the preceding column .....		3,673.		
13 Add lines 11 and 12 .....		3,673.		18,206.
14 Add amounts on lines 16 and 17 of the preceding column .....			3,607.	10,888.
15 Subtract line 14 from line 13. If zero or less, enter -0- .....	10,954.	3,673.	0.	7,318.
16 If the amount on line 15 is zero, subtract line 13 from line 14. Otherwise, enter -0- .....		0.	3,607.	
17 <b>Underpayment.</b> If line 15 is less than or equal to line 10, subtract line 15 from line 10. Then go to line 12 of the next column. Otherwise, go to line 18 .....		3,607.	7,281.	
18 <b>Overpayment.</b> If line 10 is less than line 15, subtract line 10 from line 15. Then go to line 12 of the next column .....	3,673.			

Go to Part IV on page 2 to figure the penalty. Do not go to Part IV if there are no entries on line 17 - no penalty is owed.

**Part IV Figuring the Penalty**

	(a)	(b)	(c)	(d)
<b>19</b> Enter the date of payment or the 15th day of the 4th month after the close of the tax year, whichever is earlier. <b>(C corporations with tax years ending June 30 and S corporations:</b> Use 3rd month instead of 4th month. <b>Form 990-PF and Form 990-T filers:</b> Use 5th month instead of 4th month.) See instructions .....	<b>19</b>			
<b>20</b> Number of days from due date of installment on line 9 to the date shown on line 19 .....	<b>20</b>			
<b>21</b> Number of days on line 20 after 4/15/2022 and before 7/1/2022 .....	<b>21</b>			
<b>22</b> Underpayment on line 17 x $\frac{\text{Number of days on line 21} \times 4\% (0.04)}{365}$ ...	<b>22</b> \$	\$	\$	\$
<b>23</b> Number of days on line 20 after 6/30/2022 and before 10/1/2022 ...	<b>23</b>			
<b>24</b> Underpayment on line 17 x $\frac{\text{Number of days on line 23} \times 5\% (0.05)}{365}$ ...	<b>24</b> \$	\$	\$	\$
<b>25</b> Number of days on line 20 after 9/30/2022 and before 1/1/2023 .....	<b>25</b>			
<b>26</b> Underpayment on line 17 x $\frac{\text{Number of days on line 25} \times 6\% (0.06)}{365}$ ...	<b>26</b> \$	\$	\$	\$
<b>27</b> Number of days on line 20 after 12/31/2022 and before 4/1/2023 ...	<b>27</b>	<b>SEE ATTACHED WORKSHEET</b>		
<b>28</b> Underpayment on line 17 x $\frac{\text{Number of days on line 27} \times 7\% (0.07)}{365}$ ...	<b>28</b> \$	\$	\$	\$
<b>29</b> Number of days on line 20 after 3/31/2023 and before 7/1/2023 .....	<b>29</b>			
<b>30</b> Underpayment on line 17 x $\frac{\text{Number of days on line 29} \times \%}{365}$ .....	<b>30</b> \$	\$	\$	\$
<b>31</b> Number of days on line 20 after 6/30/2023 and before 10/1/2023 ...	<b>31</b>			
<b>32</b> Underpayment on line 17 x $\frac{\text{Number of days on line 31} \times \%}{365}$ .....	<b>32</b> \$	\$	\$	\$
<b>33</b> Number of days on line 20 after 9/30/2023 and before 1/1/2024 .....	<b>33</b>			
<b>34</b> Underpayment on line 17 x $\frac{\text{Number of days on line 33} \times \%}{365}$ .....	<b>34</b> \$	\$	\$	\$
<b>35</b> Number of days on line 20 after 12/31/2023 and before 3/16/2024 ...	<b>35</b>			
<b>36</b> Underpayment on line 17 x $\frac{\text{Number of days on line 35} \times \%}{366}$ .....	<b>36</b> \$	\$	\$	\$
<b>37</b> Add lines 22, 24, 26, 28, 30, 32, 34, and 36 .....	<b>37</b> \$	\$	\$	\$
<b>38 Penalty.</b> Add columns (a) through (d) of line 37. Enter the total here and on Form 1120, line 34; or the comparable line for other income tax returns .....	<b>38</b>			\$ 100.

\* Use the penalty interest rate for each calendar quarter, which the IRS will determine during the first month in the preceding quarter. These rates are published quarterly in an IRS News Release and in a revenue ruling in the Internal Revenue Bulletin. To obtain this information on the Internet, access the IRS website at [www.irs.gov](http://www.irs.gov). You can also call 1-800-829-4933 to get interest rate information.

FORM 990-PF  
**UNDERPAYMENT OF ESTIMATED TAX WORKSHEET**

Name(s) <b>AMATEUR RADIO DIGITAL COMMUNICATIONS</b>					Identifying Number <b>45-3751971</b>
(A) *Date	(B) Amount	(C) Adjusted Balance Due	(D) Number Days Balance Due	(E) Daily Penalty Rate	(F) Penalty
		-0-			
05/15/22	7,281.	7,281.			
05/15/22	-10,000.	-2,719.			
05/15/22	-954.	-3,673.			
06/15/22	7,280.	3,607.	15	.000109589	6.
06/30/22	0.	3,607.	77	.000136986	38.
09/15/22	7,281.	10,888.	15	.000136986	22.
09/30/22	0.	10,888.	19	.000164384	34.
10/19/22	-18,206.	-7,318.			
12/15/22	7,280.	-38.			
12/31/22	0.	-38.	135	.000191781	
Penalty Due (Sum of Column F) .....					<b>100.</b>

\* Date of estimated tax payment, withholding credit date or installment due date.

FORM 990-PF	DIVIDENDS AND INTEREST FROM SECURITIES				STATEMENT	1
SOURCE	GROSS AMOUNT	CAPITAL GAINS DIVIDENDS	(A) REVENUE PER BOOKS	(B) NET INVESTMENT INCOME	(C) ADJUSTED NET INCOME	
SECURITIES	2,161,871.	0.	2,161,871.	2,161,871.	2,161,871.	
TO PART I, LINE 4	2,161,871.	0.	2,161,871.	2,161,871.	2,161,871.	

FORM 990-PF	OTHER INCOME			STATEMENT	2
DESCRIPTION	(A) REVENUE PER BOOKS	(B) NET INVESTMENT INCOME	(C) ADJUSTED NET INCOME		
OTHER REVENUE	68,151.	0.	68,151.		
TOTAL TO FORM 990-PF, PART I, LINE 11	68,151.	0.	68,151.		

FORM 990-PF	LEGAL FEES				STATEMENT	3
DESCRIPTION	(A) EXPENSES PER BOOKS	(B) NET INVESTMENT INCOME	(C) ADJUSTED NET INCOME	(D) CHARITABLE PURPOSES		
LEGAL	21,854.	0.	0.	21,854.		
TO FM 990-PF, PG 1, LN 16A	21,854.	0.	0.	21,854.		

FORM 990-PF	ACCOUNTING FEES				STATEMENT	4
DESCRIPTION	(A) EXPENSES PER BOOKS	(B) NET INVESTMENT INCOME	(C) ADJUSTED NET INCOME	(D) CHARITABLE PURPOSES		
ACCOUNTING	25,925.	0.	0.	25,925.		
TO FORM 990-PF, PG 1, LN 16B	25,925.	0.	0.	25,925.		

FORM 990-PF	OTHER PROFESSIONAL FEES			STATEMENT	5
DESCRIPTION	(A) EXPENSES PER BOOKS	(B) NET INVEST- MENT INCOME	(C) ADJUSTED NET INCOME	(D) CHARITABLE PURPOSES	
OTHER PROFESSIONAL FEES	93,035.	0.	0.	93,035.	
TO FORM 990-PF, PG 1, LN 16C	93,035.	0.	0.	93,035.	

FORM 990-PF	TAXES			STATEMENT	6
DESCRIPTION	(A) EXPENSES PER BOOKS	(B) NET INVEST- MENT INCOME	(C) ADJUSTED NET INCOME	(D) CHARITABLE PURPOSES	
FEDERAL EXCISE TAX	38,456.	0.	0.	0.	
TO FORM 990-PF, PG 1, LN 18	38,456.	0.	0.	0.	

FORM 990-PF	OTHER EXPENSES			STATEMENT	7
DESCRIPTION	(A) EXPENSES PER BOOKS	(B) NET INVEST- MENT INCOME	(C) ADJUSTED NET INCOME	(D) CHARITABLE PURPOSES	
OTHER OFFICE EXPENSES	30,639.	0.	0.	30,639.	
TO FORM 990-PF, PG 1, LN 23	23,483.	0.	0.	23,483.	
	54,122.	0.	0.	54,122.	



FORM 990-PF U.S. AND STATE/CITY GOVERNMENT OBLIGATIONS STATEMENT 8

DESCRIPTION	U.S. GOV'T	OTHER GOV'T	BOOK VALUE	FAIR MARKET VALUE
MONEY MARKET	X		15,748,355.	15,748,355.
TOTAL U.S. GOVERNMENT OBLIGATIONS			15,748,355.	15,748,355.
TOTAL STATE AND MUNICIPAL GOVERNMENT OBLIGATIONS				
TOTAL TO FORM 990-PF, PART II, LINE 10A			15,748,355.	15,748,355.

FORM 990-PF OTHER INVESTMENTS STATEMENT 9

DESCRIPTION	VALUATION METHOD	BOOK VALUE	FAIR MARKET VALUE
MUTUAL FUNDS - DOMESTIC	FMV	3,311,946.	3,311,946.
MUTUAL FUNDS - INTERNATIONAL	FMV	11,650,010.	11,650,010.
EXCHANGE TRADED FUNDS	FMV	77,095,036.	77,095,036.
TOTAL TO FORM 990-PF, PART II, LINE 13		92,056,992.	92,056,992.

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FORM 990-PF                      PART VII - LIST OF OFFICERS, DIRECTORS                      STATEMENT 10  
   TRUSTEES AND FOUNDATION MANAGERS

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NAME AND ADDRESS	TITLE AND AVRG HRS/WK	COMPEN- SATION	EMPLOYEE BEN PLAN CONTRIB	EXPENSE ACCOUNT
ELIZABETH SCHECHTER 5663 BALBOA AVE, #432 SAN DIEGO, CA 92111	EXECUTIVE DIRECTOR 36.00	136,000.	19,917.	0.
PHIL KARN 5663 BALBOA AVE, #432 SAN DIEGO, CA 92111	PRESIDENT/CEO 8.00	0.	0.	0.
A D BARKSDALE GARBEE II 5663 BALBOA AVE, #432 SAN DIEGO, CA 92111	TREASURER 3.00	16,286.	2,263.	0.
JOHN GILMORE 5663 BALBOA AVE, #432 SAN DIEGO, CA 92111	SECRETARY 12.00	0.	0.	0.
KIMBERLY CLAFFY 5663 BALBOA AVE, #432 SAN DIEGO, CA 92111	DIRECTOR 8.00	0.	0.	0.
KEITH PACKARD 5663 BALBOA AVE, #432 SAN DIEGO, CA 92111	DIRECTOR 12.00	0.	0.	0.
DR. ROBERT MCGWIER 5663 BALBOA AVE, #432 SAN DIEGO, CA 92111	DIRECTOR (UNTIL 12/31/22) 3.00	0.	0.	0.
TOTALS INCLUDED ON 990-PF, PAGE 6, PART VII		152,286.	22,180.	0.

FORM 990-PF

EXPENDITURE RESPONSIBILITY STATEMENT  
PART VI-B, LINE 5D

STATEMENT 11

GRANTEE'S NAME

AMATEUR RADIO EXPERIMENTERS GROUP, INC.

GRANTEE'S ADDRESSPO BOX 921  
MODBURY, AUSTRALIA

<u>GRANT AMOUNT</u>	<u>DATE OF GRANT</u>	<u>AMOUNT EXPENDED</u>
8,300.	10/22/21	0.

PURPOSE OF GRANT

ENABLE OPERATING EXPENSES, FOCUS ON DEVELOPMENT OF THE PLATFORM WITH A FOCUS ON DATA QUALITY, INCREASED DATA RATES, AND AMATEUR RADIO SPECIFIC FEATURES

DATES OF REPORTS BY GRANTEE

NONE

ANY DIVERSION BY GRANTEE

NO

RESULTS OF VERIFICATION

NO ISSUES NOTED.

GRANTEE'S NAME

MISSISSIPPI VALLEY AMATEUR RADIO ASSOCIATION

GRANTEE'S ADDRESS

N3070 SMITH VALLEY ROAD  
LA CROSSE, WI 54601

<u>GRANT AMOUNT</u>	<u>DATE OF GRANT</u>	<u>AMOUNT EXPENDED</u>
116,399.	10/08/21	0.

PURPOSE OF GRANT

ASSISTANCE FOR INSURANCE, MAINTENANCE, FUEL, AND EQUIPMENT UPGRADES FOR A  
EMERGENCY COMMUNICATIONS BUS.

DATES OF REPORTS BY GRANTEE

NONE

ANY DIVERSION BY GRANTEE

NO

RESULTS OF VERIFICATION

NO ISSUES NOTED.

GRANTEE'S NAME

SONDEHUB

GRANTEE'S ADDRESSPO BOX 921  
MODBURY, AUSTRALIA

<u>GRANT AMOUNT</u>	<u>DATE OF GRANT</u>	<u>AMOUNT EXPENDED</u>	<u>VERIFICATION DATE</u>
8,300.	04/20/22	8,300.	03/15/23

PURPOSE OF GRANT

CONTINUE OPERATIONS FOR 12 MONTHS FOR A GLOBAL, CROWDSOURCED METEOROLOGICAL WEATHER BALLOON MONITORING PLATFORM.

DATES OF REPORTS BY GRANTEE

MULTIPLE

ANY DIVERSION BY GRANTEE

NO

RESULTS OF VERIFICATION

ALL EXPENSES HAVE BEEN VERIFIED TO THE BEST OF OUR ABILITY. FUNDS WERE SPENT APPROPRIATELY FOR THE GRANT'S ORIGINAL INTENDED CHARITABLE PURPOSE.