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Form 990

Return of Organization Exempt From Income Tax

OMB No 1545-0047

2016

Open to Public Inspection

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

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

Information about Form 990 and its instructions is at [www.irs.gov/form990](#)

Department of the Treasury  
Internal Revenue Service

A For the 2016 calendar year, or tax year beginning 07-01-2016 , and ending 06-30-2017

B Check if applicable

☐ Address change

☐ Name change

☐ Initial return

☐ Final

☒ Return/terminated

☐ Amended return

☐ Application pending

C Name of organization

Cable Television Laboratories Inc

% BRAD AQUINO

Doing business as

CABLELABS

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

858 COAL CREEK CIRCLE

Room/suite

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

LOUISVILLE, CO 800279750

F Name and address of principal officer

PHIL MCKINNEY

858 COAL CREEK CIRCLE

LOUISVILLE, CO 800279750

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

☐ Yes ☒ No

H(b) Are all subordinates included?

☐ Yes ☐ No

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

H(c) Group exemption number ▶

D Employer identification number

04-3012897

E Telephone number

(303) 661-9100

G Gross receipts \$ 74,576,597

I Tax-exempt status

☐ 501(c)(3) ☒ 501(c) ( 6 ) ◀ (insert no ) ☐ 4947(a)(1) or ☐ 527

J Website: ▶ WWW.CABLELABS.COM

K Form of organization

☒ Corporation ☐ Trust ☐ Association ☐ Other ▶

L Year of formation 1988

M State of legal domicile DE

Part I Summary

Activities & Governance

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

CABLELABS IS A RESEARCH AND DEVELOPMENT CONSORTIUM CREATING INNOVATIVE IDEAS THAT IMPACT ITS MEMBERS' BUSINESS BY DRIVING SCALE, REDUCING COSTS & CREATING COMPETITION

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

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

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

5 Total number of individuals employed in calendar year 2016 (Part V, line 2a)

6 Total number of volunteers (estimate if necessary)

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

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

Revenue

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

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

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

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

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

Expenses

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

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

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

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

b Total fundraising expenses (Part IX, column (D), line 25) ▶0

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

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

19 Revenue less expenses Subtract line 18 from line 12

Net Assets or Fund Balances

20 Total assets (Part X, line 16)

21 Total liabilities (Part X, line 26)

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

Part II Signature Block

Under penalties of perjury, I declare that I have examined this return, including accompanying schedules and statements, and to the best of my knowledge and belief, it is true, correct, and complete Declaration of preparer (other than officer) is based on all information of which preparer has any knowledge

Sign Here

\*\*\*\*\*

Signature of officer

BRAD AQUINO CFO

Type or print name and title

2018-05-14

Date

Paid Preparer Use Only

Print/Type preparer's name

STEPHANIE L BAILEY

Preparer's signature

STEPHANIE L BAILEY

Date

2018-05-14

Check ☐ if self-employed

PTIN

P01646944

Firm's name ▶ KPMG LLP

Firm's EIN ▶

Firm's address ▶ 210 Park Ave Suite 2650

Phone no (405) 239-6411

Oklahoma City, OK 73102

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

☒ Yes ☐ No

For Paperwork Reduction Act Notice, see the separate instructions.

Cat No 11282Y

Form 990 (2016)

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

NONE HOWEVER, SEE SCHEDULE O, GENERAL STATEMENT 1

**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 \$ including grants of \$ ) (Revenue \$ )  
See Additional Data**4b** (Code ) (Expenses \$ including grants of \$ ) (Revenue \$ )  
See Additional Data**4c** (Code ) (Expenses \$ including grants of \$ ) (Revenue \$ )  
See Additional Data**4d** Other program services (Describe in Schedule O )  
(Expenses \$ including grants of \$ ) (Revenue \$ )**4e** Total program service expenses ▶

**Part IV Checklist of Required Schedules**

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

**Part IV Checklist of Required Schedules** (continued)

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

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

		Yes	No
<b>1a</b>	Enter the number reported in Box 3 of Form 1096 Enter -0- if not applicable . . . . .	<b>1a</b>	139
<b>b</b>	Enter the number of Forms W-2G included in line 1a Enter -0- if not applicable . . . . .	<b>1b</b>	0
<b>c</b>	Did the organization comply with backup withholding rules for reportable payments to vendors and reportable gaming (gambling) winnings to prize winners? . . . . .	<b>1c</b>	
<b>2a</b>	Enter the number of employees reported on Form W-3, Transmittal of Wage and Tax Statements, filed for the calendar year ending with or within the year covered by this return . . . . .	<b>2a</b>	206
<b>b</b>	If at least one is reported on line 2a, did the organization file all required federal employment tax returns? <b>Note.</b> If the sum of lines 1a and 2a is greater than 250, you may be required to e-file (see instructions)	<b>2b</b>	Yes
<b>3a</b>	Did the organization have unrelated business gross income of \$1,000 or more during the year? . . . . .	<b>3a</b>	Yes
<b>b</b>	If "Yes," has it filed a Form 990-T for this year? If "No" to line 3b, provide an explanation in Schedule O . . . . .	<b>3b</b>	Yes
<b>4a</b>	At any time during the calendar year, did the organization have an interest in, or a signature or other authority over, a financial account in a foreign country (such as a bank account, securities account, or other financial account)? . . . . .	<b>4a</b>	Yes
<b>b</b>	If "Yes," enter the name of the foreign country <b>▶CH , HK</b> See instructions for filing requirements for FinCEN Form 114, Report of Foreign Bank and Financial Accounts (FBAR)		
<b>5a</b>	Was the organization a party to a prohibited tax shelter transaction at any time during the tax year? . . . . .	<b>5a</b>	No
<b>b</b>	Did any taxable party notify the organization that it was or is a party to a prohibited tax shelter transaction? . . . . .	<b>5b</b>	No
<b>c</b>	If "Yes," to line 5a or 5b, did the organization file Form 8886-T? . . . . .	<b>5c</b>	
<b>6a</b>	Does the organization have annual gross receipts that are normally greater than \$100,000, and did the organization solicit any contributions that were not tax deductible as charitable contributions? . . . . .	<b>6a</b>	No
<b>b</b>	If "Yes," did the organization include with every solicitation an express statement that such contributions or gifts were not tax deductible? . . . . .	<b>6b</b>	
<b>7</b>	<b>Organizations that may receive deductible contributions under section 170(c).</b>		
<b>a</b>	Did the organization receive a payment in excess of \$75 made partly as a contribution and partly for goods and services provided to the payor? . . . . .	<b>7a</b>	
<b>b</b>	If "Yes," did the organization notify the donor of the value of the goods or services provided? . . . . .	<b>7b</b>	
<b>c</b>	Did the organization sell, exchange, or otherwise dispose of tangible personal property for which it was required to file Form 8282? . . . . .	<b>7c</b>	
<b>d</b>	If "Yes," indicate the number of Forms 8282 filed during the year . . . . .	<b>7d</b>	
<b>e</b>	Did the organization receive any funds, directly or indirectly, to pay premiums on a personal benefit contract? . . . . .	<b>7e</b>	
<b>f</b>	Did the organization, during the year, pay premiums, directly or indirectly, on a personal benefit contract? . . . . .	<b>7f</b>	
<b>g</b>	If the organization received a contribution of qualified intellectual property, did the organization file Form 8899 as required? . . . . .	<b>7g</b>	
<b>h</b>	If the organization received a contribution of cars, boats, airplanes, or other vehicles, did the organization file a Form 1098-C? . . . . .	<b>7h</b>	
<b>8</b>	<b>Sponsoring organizations maintaining donor advised funds.</b> Did a donor advised fund maintained by the sponsoring organization have excess business holdings at any time during the year? . . . . .	<b>8</b>	
<b>9a</b>	Did the sponsoring organization make any taxable distributions under section 4966? . . . . .	<b>9a</b>	
<b>b</b>	Did the sponsoring organization make a distribution to a donor, donor advisor, or related person? . . . . .	<b>9b</b>	
<b>10</b>	<b>Section 501(c)(7) organizations.</b> Enter		
<b>a</b>	Initiation fees and capital contributions included on Part VIII, line 12 . . . . .	<b>10a</b>	
<b>b</b>	Gross receipts, included on Form 990, Part VIII, line 12, for public use of club facilities . . . . .	<b>10b</b>	
<b>11</b>	<b>Section 501(c)(12) organizations.</b> Enter		
<b>a</b>	Gross income from members or shareholders . . . . .	<b>11a</b>	
<b>b</b>	Gross income from other sources (Do not net amounts due or paid to other sources against amounts due or received from them ) . . . . .	<b>11b</b>	
<b>12a</b>	<b>Section 4947(a)(1) non-exempt charitable trusts.</b> Is the organization filing Form 990 in lieu of Form 1041? . . . . .	<b>12a</b>	
<b>b</b>	If "Yes," enter the amount of tax-exempt interest received or accrued during the year . . . . .	<b>12b</b>	
<b>13</b>	<b>Section 501(c)(29) qualified nonprofit health insurance issuers.</b>		
<b>a</b>	Is the organization licensed to issue qualified health plans in more than one state? <b>Note.</b> See the instructions for additional information the organization must report on Schedule O . . . . .	<b>13a</b>	
<b>b</b>	Enter the amount of reserves the organization is required to maintain by the states in which the organization is licensed to issue qualified health plans . . . . .	<b>13b</b>	
<b>c</b>	Enter the amount of reserves on hand . . . . .	<b>13c</b>	
<b>14a</b>	Did the organization receive any payments for indoor tanning services during the tax year? . . . . .	<b>14a</b>	No
<b>b</b>	If "Yes," has it filed a Form 720 to report these payments? If "No," provide an explanation in Schedule O . . . . .	<b>14b</b>	

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

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

**Section A. Governing Body and Management**

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

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

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

**Section C. Disclosure**

**17** List the States with which a copy of this Form 990 is required to be filed: CA, CO, GA

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

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

**20** State the name, address, and telephone number of the person who possesses the organization's books and records:  
**BRAD AQUINO 858 COAL CREEK CIRCLE LOUISVILLE, CO 80027 (303) 661-9100**

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

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

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

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

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

[illegible]

[illegible]

**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 ► 130

## Section B. Independent Contractors

(A)	(B)	(C)
Name and business address	Description of services	Compensation
Sentosa Technology Consultants, 2672 Beech Circle Longmont, CO 80503	Consulting	1,053,005
Ivory Worldwide Inc, 200 Broadway New York, NY 10038	Film Making	922,600
On the Mark, 885 Sheila Crt Campbell, CA 95008	Consulting	597,703
Oxford Global Resources, PO Box 3256 Boston, MA 022413256	Consulting	554,997
Applied Broadband, 2741 Mapleton Ave Suite 203 Boulder, CO 80304	Consulting	462,000

Form 990 (2016)



**Part VIII** **Statement of Revenue**

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

**Contributions, Gifts, Grants  
and Other Similar Amounts**

<b>1a</b> Federated campaigns . . .	<b>1a</b>	
<b>b</b> Membership dues . . .	<b>1b</b>	
<b>c</b> Fundraising events . . .	<b>1c</b>	
<b>d</b> Related organizations	<b>1d</b>	
<b>e</b> Government grants (contributions)	<b>1e</b>	
<b>f</b> All other contributions, gifts, grants, and similar amounts not included above	<b>1f</b>	
<b>g</b> Noncash contributions included in lines 1a-1f \$ _____		
<b>h Total.</b> Add lines 1a-1f . . . . .		0

**Program Service Revenue**

	Business Code				
<b>2a</b> Membership Dues	541900	60,817,298	60,817,298		
<b>b</b> Royalty Admin Fee-MPEG LA, LLC	525990	2,182,264	2,182,264		
<b>c</b> Conference Fees	541900	1,933,545	1,933,545		
<b>d</b> Certification Fees	541900	3,240,000	3,240,000		
<b>e</b> Development Lab Fees	541380	657,328	269,875	387,453	
<b>f</b> All other program service revenue		240,274		240,274	
<b>g Total.</b> Add lines 2a-2f . . . . .		69,070,709			

**Other Revenue**

<b>3</b> Investment income (including dividends, interest, and other similar amounts) . . . . .		56,969			56,969
<b>4</b> Income from investment of tax-exempt bond proceeds		0			
<b>5</b> Royalties . . . . .		5,213,599	1,261,836		3,951,763
<b>6a</b> Gross rents	(i) Real	(ii) Personal			
	209,707				
<b>b</b> Less rental expenses	207,811				
<b>c</b> Rental income or (loss)	1,896	0			
<b>d</b> Net rental income or (loss) . . . . .			1,896		1,896
<b>7a</b> Gross amount from sales of assets other than inventory	(i) Securities	(ii) Other			
		25,613			
<b>b</b> Less cost or other basis and sales expenses		14,752			
<b>c</b> Gain or (loss)		10,861			
<b>d</b> Net gain or (loss) . . . . .			10,861		10,861
<b>8a</b> Gross income from fundraising events (not including \$ _____ of contributions reported on line 1c) See Part IV, line 18 . . . . .	<b>a</b>	0			
<b>b</b> Less direct expenses . . . . .	<b>b</b>	0			
<b>c</b> Net income or (loss) from fundraising events . . . . .			0		
<b>9a</b> Gross income from gaming activities See Part IV, line 19 . . . . .	<b>a</b>	0			
<b>b</b> Less direct expenses . . . . .	<b>b</b>	0			
<b>c</b> Net income or (loss) from gaming activities . . . . .			0		
<b>10a</b> Gross sales of inventory, less returns and allowances . . . . .	<b>a</b>	0			
<b>b</b> Less cost of goods sold . . . . .	<b>b</b>	0			
<b>c</b> Net income or (loss) from sales of inventory . . . . .			0		
Miscellaneous Revenue	Business Code				
<b>11a</b>					
<b>b</b>					
<b>c</b>					
<b>d</b> All other revenue . . . . .					
<b>e Total.</b> Add lines 11a-11d . . . . .			0		
<b>12 Total revenue.</b> See Instructions . . . . .		74,354,034	69,704,818	627,727	4,021,489

**Part IX Statement of Functional Expenses**

Section 501(c)(3) and 501(c)(4) organizations must complete all columns. All other organizations must complete column (A).

Check if Schedule O contains a response or note to any line in this Part IX ☒**Do not include amounts reported on lines 6b, 7b, 8b, 9b, and 10b of Part VIII.**

	(A) Total expenses	(B) Program service expenses	(C) Management and general expenses	(D) Fundraising expenses
<b>1</b> Grants and other assistance to domestic organizations and domestic governments. See Part IV, line 21.	453,830			
<b>2</b> Grants and other assistance to domestic individuals. See Part IV, line 22.	0			
<b>3</b> Grants and other assistance to foreign organizations, foreign governments, and foreign individuals. See Part IV, line 15 and 16.	0			
<b>4</b> Benefits paid to or for members.	0			
<b>5</b> Compensation of current officers, directors, trustees, and key employees.	12,102,008			
<b>6</b> Compensation not included above, to disqualified persons (as defined under section 4958(f)(1)) and persons described in section 4958(c)(3)(B).	414,191			
<b>7</b> Other salaries and wages.	19,749,165			
<b>8</b> Pension plan accruals and contributions (include section 401 (k) and 403(b) employer contributions).	3,113,924			
<b>9</b> Other employee benefits.	3,311,402			
<b>10</b> Payroll taxes.	1,771,438			
<b>11</b> Fees for services (non-employees):				
<b>a</b> Management.	0			
<b>b</b> Legal.	955,709			
<b>c</b> Accounting.	150,950			
<b>d</b> Lobbying.	0			
<b>e</b> Professional fundraising services. See Part IV, line 17.	0			
<b>f</b> Investment management fees.	0			
<b>g</b> Other (If line 11g amount exceeds 10% of line 25, column (A) amount, list line 11g expenses on Schedule O).	13,342,420			
<b>12</b> Advertising and promotion.	17,056			
<b>13</b> Office expenses.	1,650,468			
<b>14</b> Information technology.	541,930			
<b>15</b> Royalties.	0			
<b>16</b> Occupancy.	3,037,423			
<b>17</b> Travel.	2,064,952			
<b>18</b> Payments of travel or entertainment expenses for any federal, state, or local public officials.	0			
<b>19</b> Conferences, conventions, and meetings.	5,028,796			
<b>20</b> Interest.	23,742			
<b>21</b> Payments to affiliates.	0			
<b>22</b> Depreciation, depletion, and amortization.	4,311,708			
<b>23</b> Insurance.	443,461			
<b>24</b> Other expenses. Itemize expenses not covered above (List miscellaneous expenses in line 24e. If line 24e amount exceeds 10% of line 25, column (A) amount, list line 24e expenses on Schedule O):				
<b>a</b> SERVICE CONTRACTS	2,407,356			
<b>b</b> Hiring Costs	264,888			
<b>c</b> Professional Development	161,760			
<b>d</b> Bad Debt Expense	80,533			
<b>e</b> All other expenses	523,684			
<b>25</b> Total functional expenses. Add lines 1 through 24e.	75,922,794	0	0	0
<b>26</b> Joint costs. Complete this line only if the organization reported in column (B) joint costs from a combined educational campaign and fundraising solicitation. Check here <input type="checkbox"/> if following SOP 98-2 (ASC 958-720)				

**Part X Balance Sheet**Check if Schedule O contains a response or note to any line in this Part IX ☐

				(A) Beginning of year		(B) End of year
<b>Assets</b>	<b>1</b>	Cash—non-interest-bearing . . . . .		8,621,420	<b>1</b>	19,573,252
	<b>2</b>	Savings and temporary cash investments . . . . .		13,424,483	<b>2</b>	7,467,537
	<b>3</b>	Pledges and grants receivable, net . . . . .		0	<b>3</b>	0
	<b>4</b>	Accounts receivable, net . . . . .		7,166,309	<b>4</b>	1,182,359
	<b>5</b>	Loans and other receivables from current and former officers, directors, trustees, key employees, and highest compensated employees. Complete Part II of Schedule L.		0	<b>5</b>	0
	<b>6</b>	Loans and other receivables from other disqualified persons (as defined under section 4958(f)(1)), persons described in section 4958(c)(3)(B), and contributing employers and sponsoring organizations of section 501(c)(9) voluntary employees' beneficiary organizations (see instructions). Complete Part II of Schedule L.		0	<b>6</b>	0
	<b>7</b>	Notes and loans receivable, net . . . . .		232,531	<b>7</b>	0
	<b>8</b>	Inventories for sale or use . . . . .		0	<b>8</b>	0
	<b>9</b>	Prepaid expenses and deferred charges . . . . .		4,947,186	<b>9</b>	5,904,978
	<b>10a</b>	Land, buildings, and equipment—cost or other basis. Complete Part VI of Schedule D.	<b>10a</b> 33,022,383			
	<b>b</b>	Less: accumulated depreciation	<b>10b</b> 22,201,952	12,505,153	<b>10c</b>	10,820,431
	<b>11</b>	Investments—publicly traded securities . . . . .		2,220,480	<b>11</b>	2,219,363
	<b>12</b>	Investments—other securities. See Part IV, line 11 . . . . .		1,886,969	<b>12</b>	2,313,534
	<b>13</b>	Investments—program-related. See Part IV, line 11 . . . . .		0	<b>13</b>	0
	<b>14</b>	Intangible assets . . . . .		0	<b>14</b>	0
	<b>15</b>	Other assets. See Part IV, line 11 . . . . .		2,009,025	<b>15</b>	929,736
<b>16</b>	<b>Total assets.</b> Add lines 1 through 15 (must equal line 34) . . . . .		53,013,556	<b>16</b>	50,411,190	
<b>Liabilities</b>	<b>17</b>	Accounts payable and accrued expenses . . . . .		12,049,952	<b>17</b>	8,837,712
	<b>18</b>	Grants payable . . . . .		0	<b>18</b>	0
	<b>19</b>	Deferred revenue . . . . .		2,156,423	<b>19</b>	3,520,852
	<b>20</b>	Tax-exempt bond liabilities . . . . .		0	<b>20</b>	0
	<b>21</b>	Escrow or custodial account liability. Complete Part IV of Schedule D.		0	<b>21</b>	0
	<b>22</b>	Loans and other payables to current and former officers, directors, trustees, key employees, highest compensated employees, and disqualified persons. Complete Part II of Schedule L . . . . .		0	<b>22</b>	0
	<b>23</b>	Secured mortgages and notes payable to unrelated third parties . . . . .		0	<b>23</b>	0
	<b>24</b>	Unsecured notes and loans payable to unrelated third parties . . . . .		0	<b>24</b>	0
	<b>25</b>	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.		6,013,568	<b>25</b>	6,571,772
	<b>26</b>	<b>Total liabilities.</b> Add lines 17 through 25 . . . . .		20,219,943	<b>26</b>	18,930,336
<b>Net Assets or Fund Balances</b>	<b>Organizations that follow SFAS 117 (ASC 958), check here <input checked="" type="checkbox"/> and complete lines 27 through 29, and lines 33 and 34.</b>					
	<b>27</b>	Unrestricted net assets		32,793,613	<b>27</b>	31,480,854
	<b>28</b>	Temporarily restricted net assets . . . . .		0	<b>28</b>	0
	<b>29</b>	Permanently restricted net assets		0	<b>29</b>	0
	<b>Organizations that do not follow SFAS 117 (ASC 958), check here <input type="checkbox"/> and complete lines 30 through 34.</b>					
	<b>30</b>	Capital stock or trust principal, or current funds . . . . .			<b>30</b>	
	<b>31</b>	Paid-in or capital surplus, or land, building or equipment fund . . . . .			<b>31</b>	
	<b>32</b>	Retained earnings, endowment, accumulated income, or other funds			<b>32</b>	
<b>33</b>	<b>Total net assets or fund balances</b> . . . . .		32,793,613	<b>33</b>	31,480,854	
<b>34</b>	<b>Total liabilities and net assets/fund balances</b> . . . . .		53,013,556	<b>34</b>	50,411,190	

**Part XI Reconciliation of Net Assets**Check if Schedule O contains a response or note to any line in this Part XI ☐

<b>1</b>	Total revenue (must equal Part VIII, column (A), line 12)	<b>1</b>	74,354,034
<b>2</b>	Total expenses (must equal Part IX, column (A), line 25)	<b>2</b>	75,922,794
<b>3</b>	Revenue less expenses Subtract line 2 from line 1	<b>3</b>	-1,568,760
<b>4</b>	Net assets or fund balances at beginning of year (must equal Part X, line 33, column (A))	<b>4</b>	32,793,613
<b>5</b>	Net unrealized gains (losses) on investments	<b>5</b>	256,001
<b>6</b>	Donated services and use of facilities	<b>6</b>	
<b>7</b>	Investment expenses	<b>7</b>	
<b>8</b>	Prior period adjustments	<b>8</b>	
<b>9</b>	Other changes in net assets or fund balances (explain in Schedule O)	<b>9</b>	
<b>10</b>	Net assets or fund balances at end of year Combine lines 3 through 9 (must equal Part X, line 33, column (B))	<b>10</b>	31,480,854

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

	Yes	No
<b>1</b> Accounting method used to prepare the Form 990 <input type="checkbox"/> Cash <input checked="" type="checkbox"/> Accrual <input type="checkbox"/> Other _____ If the organization changed its method of accounting from a prior year or checked "Other," explain in Schedule O		
<b>2a</b> Were the organization's financial statements compiled or reviewed by an independent accountant? If 'Yes,' check a box below to indicate whether the financial statements for the year were compiled or reviewed on a separate basis, consolidated basis, or both <input type="checkbox"/> Separate basis <input type="checkbox"/> Consolidated basis <input type="checkbox"/> Both consolidated and separate basis		No
<b>b</b> Were the organization's financial statements audited by an independent accountant? If 'Yes,' check a box below to indicate whether the financial statements for the year were audited on a separate basis, consolidated basis, or both <input type="checkbox"/> Separate basis <input checked="" type="checkbox"/> Consolidated basis <input type="checkbox"/> Both consolidated and separate basis	Yes	
<b>c</b> If "Yes," to line 2a or 2b, does the organization have a committee that assumes responsibility for oversight of the audit, review, or compilation of its financial statements and selection of an independent accountant? If the organization changed either its oversight process or selection process during the tax year, explain in Schedule O	Yes	
<b>3a</b> As a result of a federal award, was the organization required to undergo an audit or audits as set forth in the Single Audit Act and OMB Circular A-133?		No
<b>b</b> If "Yes," did the organization undergo the required audit or audits? If the organization did not undergo the required audit or audits, explain why in Schedule O and describe any steps taken to undergo such audits		

# Additional Data

**Software ID:**

**Software Version:**

**EIN:** 04-3012897

**Name:** Cable Television Laboratories Inc

Form 990 (2016)

**Form 990, Part III, Line 4a:**

SEE SCHEDULE O, GENERAL STATEMENT 2

**Form 990, Part III, Line 4b:**

SEE SCHEDULE O, GENERAL STATEMENT 2

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**Form 990, Part III, Line 4c:**

SEE SCHEDULE O, GENERAL STATEMENT 2

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

(A) Name and Title	(B) Average hours per week (list any hours for related organizations below dotted line)	(C) Position (do not check more than one box, unless person is both an officer and a director/trustee)						(D) Reportable compensation from the organization (W- 2/1099-MISC)	(E) Reportable compensation from related organizations (W- 2/1099-MISC)	(F) Estimated amount of other compensation from the organization and related organizations
		Individual trustee or director	Institutional Trustee	Officer	Key employee	Highest compensated employee	Former			
LOUIS AUDET ..... DIRECTOR	1 0 ..... 0 0	X						0	0	0
HAKIM BOUBAZINE ..... DIRECTOR	1 0 ..... 0 0	X						0	0	0
MANON BROUILLETTE ..... DIRECTOR	1 0 ..... 0 0	X						0	0	0
ROCCO B COMMISSO ..... DIRECTOR	1 0 ..... 0 0	X						0	0	0
MANUEL CUBERO ..... DIRECTOR	1 0 ..... 0 0	X						0	0	0
RON DUNCAN ..... DIRECTOR	1 0 ..... 0 0	X						0	0	0
PATRICK J ESSER ..... CHAIRMAN	1 0 ..... 0 0	X		X				0	0	0
MICHAEL T FRIES ..... DIRECTOR	1 0 ..... 0 0	X						0	0	0
PAT MCADARAGH ..... DIRECTOR	1 0 ..... 0 0	X						0	0	0
THOMAS O MIGHT ..... DIRECTOR	1 0 ..... 0 0	X						0	0	0



Form 990, Part VII - Compensation of Officers, Directors, Trustees, Key Employees, Highest Compensated Employees, and Independent Contractors										
(A) Name and Title	(B) Average hours per week (list any hours for related organizations below dotted line)	(C) Position (do not check more than one box, unless person is both an officer and a director/trustee)						(D) Reportable compensation from the organization (W- 2/1099-MISC)	(E) Reportable compensation from related organizations (W- 2/1099-MISC)	(F) Estimated amount of other compensation from the organization and related organizations
		Individual trustee or director	Institutional Trustee	Officer	Key employee	Highest compensated employee	Former			
EDWARD S ROGERS ..... DIRECTOR	1 0 ..... 0 0	X						0	0	0
THOMAS RUTLEDGE ..... TREASURER	1 0 ..... 0 0	X		X				0	0	0
BRADLEY SHAW ..... SECRETARY	1 0 ..... 0 0	X		X				0	0	0
DAVID WATSON ..... VICE CHAIRMAN	1 0 ..... 0 0	X		X				0	0	0
NEIL SMIT ..... CHAIRMAN - THRU 5/31/17	1 0 ..... 0 0	X		X				0	0	0
Anju Ahuja ..... VICE PRESIDENT	35 0 ..... 5 0			X				305,205	0	39,551
Robert H Alderfer ..... VICE PRESIDENT	40 0 ..... 0 0			X				285,584	0	50,698
Brad S Aquino ..... VICE PRESIDENT	34 0 ..... 6 0			X				147,941	0	34,107
Ralph W Brown ..... CHIEF TECHNOLOGY OFFICER	38 0 ..... 2 0			X				562,380	0	57,251
Scott T Brown ..... VICE PRESIDENT	24 0 ..... 16 0			X				271,353	0	43,052

Form 990, Part VII - Compensation of Officers, Directors, Trustees, Key Employees, Highest Compensated Employees, and Independent Contractors										
(A) Name and Title	(B) Average hours per week (list any hours for related organizations below dotted line)	(C) Position (do not check more than one box, unless person is both an officer and a director/trustee)						(D) Reportable compensation from the organization (W- 2/1099-MISC)	(E) Reportable compensation from related organizations (W- 2/1099-MISC)	(F) Estimated amount of other compensation from the organization and related organizations
		Individual trustee or director	Institutional Trustee	Officer	Key employee	Highest compensated employee	Former			
Judson D Cary ..... VICE PRESIDENT	40 0 ..... 0 0			X				417,453	0	42,709
Jeff Chen ..... SENIOR VICE PRESIDENT	40 0 ..... 0 0			X				0	0	0
Mark R Eggleston ..... VICE PRESIDENT thru 9/2016	34 0 ..... 6 0			X				288,975	0	42,175
Isaac K Elliott ..... CHIEF STRATEGY OFFICER	35 0 ..... 5 0			X				448,932	0	57,251
Michael Glenn ..... VICE PRESIDENT	35 0 ..... 5 0			X				238,029	0	47,464
Belal Y Hamzeh ..... VICE PRESIDENT	40 0 ..... 0 0			X				279,621	0	50,310
George J Kakatsakis ..... VICE PRESIDENT	40 0 ..... 0 0			X				294,237	0	51,981
Curtis Knittle ..... VICE PRESIDENT	40 0 ..... 0 0			X				282,549	0	51,886
Christopher J Lammers ..... CHIEF OPERATING OFFICER	35 0 ..... 5 0			X				725,812	0	57,251
Jeffrey C Leget ..... VICE PRESIDENT	34 0 ..... 6 0			X				238,680	0	48,408

Form 990, Part VII - Compensation of Officers, Directors, Trustees, Key Employees, Highest Compensated Employees, and Independent Contractors										
(A) Name and Title	(B) Average hours per week (list any hours for related organizations below dotted line)	(C) Position (do not check more than one box, unless person is both an officer and a director/trustee)						(D) Reportable compensation from the organization (W- 2/1099-MISC)	(E) Reportable compensation from related organizations (W- 2/1099-MISC)	(F) Estimated amount of other compensation from the organization and related organizations
		Individual trustee or director	Institutional Trustee	Officer	Key employee	Highest compensated employee	Former			
Tom D Lookabaugh ..... CHIEF R&D OFFICER thru 8/2016	40 0 ..... 0 0			X				583,865	0	50,337
Phil C McKinney ..... PRESIDENT & CEO	40 0 ..... 5 0			X				1,659,235	0	49,179
Christian M Pape ..... VICE PRESIDENT	40 0 ..... 0 0			X				273,724	0	50,564
Satish Ramakrishnan ..... VICE PRESIDENT	40 0 ..... 0 0			X				111,772	0	14,700
Ronald S Reuss ..... VICE PRESIDENT	40 0 ..... 0 0			X				276,834	0	50,154
Glenn W Russell ..... VICE PRESIDENT	40 0 ..... 0 0			X				300,226	0	44,702
Matthew D Schmitt ..... VICE PRESIDENT thru 4/2017	35 0 ..... 5 0			X				294,859	0	51,494
Peter P Smyth ..... VICE PRESIDENT	40 0 ..... 0 0			X				258,947	0	40,429
Wayne E Surdam ..... VICE PRESIDENT thru 4/2017	35 0 ..... 5 0			X				350,316	0	54,601
Lee W Zieroth ..... SVP & GENERAL COUNSEL	35 0 ..... 5 0			X				482,905	0	49,179

Form 990, Part VII - Compensation of Officers, Directors, Trustees, Key Employees, Highest Compensated Employees, and Independent Contractors											
(A) Name and Title	(B) Average hours per week (list any hours for related organizations below dotted line)	(C) Position (do not check more than one box, unless person is both an officer and a director/trustee)						(D) Reportable compensation from the organization (W- 2/1099-MISC)	(E) Reportable compensation from related organizations (W- 2/1099-MISC)	(F) Estimated amount of other compensation from the organization and related organizations	
		Individual trustee or director	Institutional Trustee	Officer	Key employee	Highest compensated employee	Former				
Kevin J Kershaw ..... DIRECTOR	40 0 ..... 0 0				X			239,664	0	39,533	
Luis A Campos ..... Fellow	40 0 ..... 0 0					X		352,993	0	55,923	
Robert M Lund ..... Distinguished Technologist	40 0 ..... 0 0					X		336,421	0	47,971	
Simon L Krauss ..... Deputy General Counsel	40 0 ..... 0 0					X		316,709	0	55,723	
Stephen G Glennon ..... Distinguished Technologist	40 0 ..... 0 0					X		290,913	0	52,473	
Gregory C White ..... Distinguished Technologist	40 0 ..... 0 0					X		280,983	0	50,486	
Jenifer B Cistola ..... SENIOR VP thru 1/2016	40 0 ..... 0 0						X	364,738	0	4,093	
Jonathan D Courtney ..... VICE PRESIDENT thru 1/2016	40 0 ..... 0 0						X	209,401	0	2,516	
Karen V Metz ..... VICE PRESIDENT thru 5/2016	35 0 ..... 5 0						X	239,046	0	21,534	
Edward M Miller ..... SENIOR VP thru 1/2016	40 0 ..... 0 0						X	362,597	0	6,307	

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

(A) Name and Title	(B) Average hours per week (list any hours for related organizations below dotted line)	(C) Position (do not check more than one box, unless person is both an officer and a director/trustee)						(D) Reportable compensation from the organization (W- 2/1099-MISC)	(E) Reportable compensation from related organizations (W- 2/1099-MISC)	(F) Estimated amount of other compensation from the organization and related organizations
		Individual trustee or director	Institutional Trustee	Officer	Key employee	Highest compensated employee	Former			
Daniel J Rice ..... SENIOR VP thru 1/2016	40 0 ..... 0 0						X	109,024	0	6,193
Mitchell R Ashley ..... President & General Manager	0 0 ..... 40 0						X	0	366,913	42,422
OSCAR G MARCIA ..... VICE PRESIDENT THRU 6/2015	0 0 ..... 0 0						X	189,492	0	0

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

Department of the Treasury  
Internal Revenue Service

**Political Campaign and Lobbying Activities**

For Organizations Exempt From Income Tax Under section 501(c) and section 527  
▶ **Complete if the organization is described below.** ▶ **Attach to Form 990 or Form 990-EZ.**  
▶ **Information about Schedule C (Form 990 or 990-EZ) and its instructions is at [www.irs.gov/form990](http://www.irs.gov/form990).**

OMB No 1545-0047

**2016**

**Open to Public Inspection**

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

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

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

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

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

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

Name of the organization Cable Television Laboratories Inc	<b>Employer identification number</b> 04-3012897
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**Part I-A Complete if the organization is exempt under section 501(c) or is a section 527 organization.**

<b>1</b>	Provide a description of the organization's direct and indirect political campaign activities in Part IV	
<b>2</b>	Political expenditures	▶ \$
<b>3</b>	Volunteer hours	

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

<b>1</b>	Enter the amount of any excise tax incurred by the organization under section 4955	▶ \$
<b>2</b>	Enter the amount of any excise tax incurred by organization managers under section 4955	▶ \$
<b>3</b>	If the organization incurred a section 4955 tax, did it file Form 4720 for this year?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>4a</b>	Was a correction made?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>b</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).**

<b>1</b>	Enter the amount directly expended by the filing organization for section 527 exempt function activities	▶ \$
<b>2</b>	Enter the amount of the filing organization's funds contributed to other organizations for section 527 exempt function activities	▶ \$
<b>3</b>	Total exempt function expenditures Add lines 1 and 2 Enter here and on Form 1120-POL, line 17b	▶ \$
<b>4</b>	Did the filing organization file <b>Form 1120-POL</b> for this year?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>5</b>	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-
2				
3				
4				
5				
6				

**Part II-A Complete if the organization is exempt under section 501(c)(3) and filed Form 5768 (election under section 501(h)).**

**A** Check ☐ if the filing organization belongs to an affiliated group (and list in Part IV each affiliated group member's name, address, EIN, expenses, and share of excess lobbying expenditures)

**B** Check ☐ if the filing organization checked box A and "limited control" provisions apply

**Limits on Lobbying Expenditures**  
(The term "expenditures" means amounts paid or incurred.)**(a)** Filing  
organization's  
totals**(b)** Affiliated  
group totals

**1a** Total lobbying expenditures to influence public opinion (grass roots lobbying)

**b** Total lobbying expenditures to influence a legislative body (direct lobbying)

**c** Total lobbying expenditures (add lines 1a and 1b)

**d** Other exempt purpose expenditures

**e** Total exempt purpose expenditures (add lines 1c and 1d)

**f** Lobbying nontaxable amount Enter the amount from the following table in both columns

If the amount on line 1e, column (a) or (b) is:	The lobbying nontaxable amount is:
Not over \$500,000	20% of the amount on line 1e
Over \$500,000 but not over \$1,000,000	\$100,000 plus 15% of the excess over \$500,000
Over \$1,000,000 but not over \$1,500,000	\$175,000 plus 10% of the excess over \$1,000,000
Over \$1,500,000 but not over \$17,000,000	\$225,000 plus 5% of the excess over \$1,500,000
Over \$17,000,000	\$1,000,000

**g** Grassroots nontaxable amount (enter 25% of line 1f)

**h** Subtract line 1g from line 1a If zero or less, enter -0-

**i** Subtract line 1f from line 1c If zero or less, enter -0-

**j** If there is an amount other than zero on either line 1h or line 1i, did the organization file Form 4720 reporting section 4911 tax for this year?

☐ Yes ☐ No**4-Year Averaging Period Under section 501(h)**

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

**Lobbying Expenditures During 4-Year Averaging Period**

Calendar year (or fiscal year beginning in)	(a) 2013	(b) 2014	(c) 2015	(d) 2016	(e) Total
<b>2a</b> Lobbying nontaxable amount					
<b>b</b> Lobbying ceiling amount (150% of line 2a, column(e))					
<b>c</b> Total lobbying expenditures					
<b>d</b> Grassroots nontaxable amount					
<b>e</b> Grassroots ceiling amount (150% of line 2d, column (e))					
<b>f</b> Grassroots lobbying expenditures					

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

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

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

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

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

**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."**

<b>1</b>	Dues, assessments and similar amounts from members	<b>1</b>	
<b>2</b>	Section 162(e) nondeductible lobbying and political expenditures (do not include amounts of political expenses for which the section 527(f) tax was paid).		
<b>a</b>	Current year	<b>2a</b>	
<b>b</b>	Carryover from last year	<b>2b</b>	
<b>c</b>	Total	<b>2c</b>	
<b>3</b>	Aggregate amount reported in section 6033(e)(1)(A) notices of nondeductible section 162(e) dues	<b>3</b>	
<b>4</b>	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?	<b>4</b>	
<b>5</b>	Taxable amount of lobbying and political expenditures (see instructions)	<b>5</b>	

**Part IV Supplemental Information**

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

Return Reference	Explanation
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efile GRAPHIC print - DO NOT PROCESS		As Filed Data -		DLN: 93493134096768	
<div>SCHEDULE D (Form 990)</div> <div>Department of the Treasury Internal Revenue Service</div>		<div>Supplemental Financial Statements</div> <div>► Complete if the organization answered "Yes," on Form 990, Part IV, line 6, 7, 8, 9, 10, 11a, 11b, 11c, 11d, 11e, 11f, 12a, or 12b. ► Attach to Form 990.</div> <div>Information about Schedule D (Form 990) and its instructions is at <a href="http://www.irs.gov/form990">www.irs.gov/form990</a>.</div>			<div>OMB No 1545-0047</div> <div>2016</div> <div>Open to Public Inspection</div>
Name of the organization Cable Television Laboratories Inc				Employer identification number 04-3012897	
Part I Organizations Maintaining Donor Advised Funds or Other Similar Funds or Accounts. Complete if the organization answered "Yes" on Form 990, Part IV, line 6.					
		(a) Donor advised funds		(b) Funds and other accounts	
1	Total number at end of year				
2	Aggregate value of contributions to (during year)				
3	Aggregate value of grants from (during year)				
4	Aggregate value at end of year				
5	Did the organization inform all donors and donor advisors in writing that the assets held in donor advised funds are the organization's property, subject to the organization's exclusive legal control?				<input type="checkbox"/> Yes <input type="checkbox"/> No
6	Did the organization inform all grantees, donors, and donor advisors in writing that grant funds can be used only for charitable purposes and not for the benefit of the donor or donor advisor, or for any other purpose conferring impermissible private benefit?				<input type="checkbox"/> Yes <input type="checkbox"/> No
Part II Conservation Easements. Complete if the organization answered "Yes" on Form 990, Part IV, line 7.					
1	Purpose(s) of conservation easements held by the organization (check all that apply) <input type="checkbox"/> Preservation of land for public use (e g , recreation or education) <input type="checkbox"/> Preservation of an historically important land area <input type="checkbox"/> Protection of natural habitat <input type="checkbox"/> Preservation of a certified historic structure <input type="checkbox"/> Preservation of open space				
2	Complete lines 2a through 2d if the organization held a qualified conservation contribution in the form of a conservation easement on the last day of the tax year				
a	Total number of conservation easements	Held at the End of the Year			
b	Total acreage restricted by conservation easements	2a			
c	Number of conservation easements on a certified historic structure included in (a)	2b			
d	Number of conservation easements included in (c) acquired after 8/17/06, and not on a historic structure listed in the National Register	2c			
		2d			
3	Number of conservation easements modified, transferred, released, extinguished, or terminated by the organization during the tax year ►				
4	Number of states where property subject to conservation easement is located ►				
5	Does the organization have a written policy regarding the periodic monitoring, inspection, handling of violations, and enforcement of the conservation easements it holds?				<input type="checkbox"/> Yes <input type="checkbox"/> No
6	Staff and volunteer hours devoted to monitoring, inspecting, handling of violations, and enforcing conservation easements during the year ►				
7	Amount of expenses incurred in monitoring, inspecting, handling of violations, and enforcing conservation easements during the year ► \$				
8	Does each conservation easement reported on line 2(d) above satisfy the requirements of section 170(h)(4)(B)(i) and section 170(h)(4)(B)(ii)?				<input type="checkbox"/> Yes <input type="checkbox"/> No
9	In Part XIII, describe how the organization reports conservation easements in its revenue and expense statement, and balance sheet, and include, if applicable, the text of the footnote to the organization's financial statements that describes the organization's accounting for conservation easements				
Part III Organizations Maintaining Collections of Art, Historical Treasures, or Other Similar Assets. Complete if the organization answered "Yes" on Form 990, Part IV, line 8.					
1a	If the organization elected, as permitted under SFAS 116 (ASC 958), not to report in its revenue statement and balance sheet works of art, historical treasures, or other similar assets held for public exhibition, education, or research in furtherance of public service, provide, in Part XIII, the text of the footnote to its financial statements that describes these items				
b	If the organization elected, as permitted under SFAS 116 (ASC 958), to report in its revenue statement and balance sheet works of art, historical treasures, or other similar assets held for public exhibition, education, or research in furtherance of public service, provide the following amounts relating to these items				
(i) Revenue included on Form 990, Part VIII, line 1		► \$			
(ii) Assets included in Form 990, Part X		► \$			
2	If the organization received or held works of art, historical treasures, or other similar assets for financial gain, provide the following amounts required to be reported under SFAS 116 (ASC 958) relating to these items				
a	Revenue included on Form 990, Part VIII, line 1	► \$			
b	Assets included in Form 990, Part X	► \$			
For Paperwork Reduction Act Notice, see the Instructions for Form 990.					
		Cat No 52283D		Schedule D (Form 990) 2016	

Part III

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

3

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

a

☐

Public exhibition

b

☐

Scholarly research

c

☐

Preservation for future generations

d

☐

Loan or exchange programs

e

☐

Other

4

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

5

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

☐ Yes

☐ No

Part IV

Escrow and Custodial Arrangements.

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

1a

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

☐ Yes

☐ No

b

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

c

Beginning balance

d

Additions during the year

e

Distributions during the year

f

Ending balance

	Amount
1c	
1d	
1e	
1f	

2a

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

☐ Yes

☐ No

b

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

☐

Part V

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

	(a)Current year	(b)Prior year	(c)Two years back	(d)Three years back	(e)Four years back
1a	Beginning of year balance . . . . .				
b	Contributions . . . . .				
c	Net investment earnings, gains, and losses				
d	Grants or scholarships . . . . .				
e	Other expenditures for facilities and programs . . . . .				
f	Administrative expenses . . . . .				
g	End of year balance . . . . .				

2

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

a

Board designated or quasi-endowment ▶

b

Permanent endowment ▶

c

Temporarily restricted endowment ▶

The percentages on lines 2a, 2b, and 2c should equal 100%

3a

Are there endowment funds not in the possession of the organization that are held and administered for the organization by

(i)

unrelated organizations . . . . .

(ii)

related organizations . . . . .

b

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

	Yes	No
3a(i)		
3a(ii)		
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 . . . . .				
b Buildings				
c Leasehold improvements		5,108,031	1,929,472	3,178,559
d Equipment . . . . .		21,552,124	15,790,271	5,761,853
e Other . . . . .		6,362,228	4,482,209	1,880,019
Total. Add lines 1a through 1e (Column (d) must equal Form 990, Part X, column (B), line 10(c)) . . . ▶				10,820,431

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 . . . . .		
(3) Other _____		
(A)		
(B)		
(C)		
(D)		
(E)		
(F)		
(G)		
(H)		
Total. (Column (b) must equal Form 990, Part X, col (B) line 12 ) ▶		

Part VIII

Investments—Program Related. Complete if the organization answered 'Yes' on Form 990, Part IV, line 11c.  
See Form 990, Part X, line 13.

(a) Description of investment	(b) Book value	(c) Method of valuation Cost or end-of-year market value
(1)		
(2)		
(3)		
(4)		
(5)		
(6)		
(7)		
(8)		
(9)		
Total. (Column (b) must equal Form 990, Part X, col (B) line 13 ) ▶		

Part IX

Other Assets. Complete if the organization answered 'Yes' on Form 990, Part IV, line 11d See Form 990, Part X, line 15

(a) Description	(b) Book value
(1)	
(2)	
(3)	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
Total. (Column (b) must equal Form 990, Part X, col (B) line 15 ) . . . . . ▶	

Part X

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

1. (a) Description of liability	(b) Book value
(1) Federal income taxes	0
DEFERRED COMPENSATION	2,219,363
DEFERRED RENT	2,508,391
LEASE OBLIGATIONS	635,883
INTERCOMPANY PAYABLES	1,208,135
(5)	
(6)	
(7)	
(8)	
(9)	
Total. (Column (b) must equal Form 990, Part X, col (B) line 25 ) ▶	6,571,772

2. Liability for uncertain tax positions In Part XIII, provide the text of the footnote to the organization's financial statements that reports the organization's liability for uncertain tax positions under FIN 48 (ASC 740) Check here if the text of the footnote has been provided in Part XIII

☒

**Part XI Reconciliation of Revenue per Audited Financial Statements With Revenue per Return**

Complete if the organization answered 'Yes' on Form 990, Part IV, line 12a.

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

**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.

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

**Part XIII Supplemental Information**

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

Return Reference	Explanation
See Additional Data Table	

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

Return Reference	Explanation

**Additional Data**

**Software ID:**  
**Software Version:**  
**EIN:** 04-3012897  
**Name:** Cable Television Laboratories Inc

**Supplemental Information**

Return Reference	Explanation
SCHEDULE D, PART X, LINE 2 ASC 740 FOOTNOTE	<p>THE COMPANY [CABLE TELEVISION LABORATORIES, INC ] IS A QUALIFIED NOT-FOR-PROFIT, NONSTOCK MEMBERSHIP CORPORATION AND IS EXEMPT FROM FEDERAL AND STATE INCOME TAXES ON INCOME RELATED TO ITS EXEMPT PURPOSE UNDER THE PROVISIONS OF SECTION 501(A) OF THE INTERNAL REVENUE CODE (IRC) AS AN ORGANIZATION DESCRIBED IN IRC SECTION 501(C)(6) THE COMPANY FOLLOWS FINANCIAL ACCOUNTING STANDARDS BOARD (FASB) ACCOUNTING STANDARDS CODIFICATION (ASC) 740, INCOME TAXES, WHICH PRESCRIBES A RECOGNITION THRESHOLD AND MEASUREMENT REQUIREMENTS FOR FINANCIAL STATEMENT RECOGNITION AND MEASUREMENT OF A TAX POSITION TAKEN OR EXPECTED TO BE TAKEN IN A TAX RETURN IN ADDITION, THE STANDARD PROVIDES GUIDANCE ON RECOGNITION, CLASSIFICATION, ACCOUNTING IN INTERIM PERIODS, AND DISCLOSURE REQUIREMENTS FOR UNCERTAIN TAX PROVISIONS ANY INCOME GENERATED BY THE COMPANY FROM ACTIVITIES UNRELATED TO ITS EXEMPT PURPOSE IS SUBJECT TO FEDERAL AND STATE INCOME TAXES THE DETERMINATION OF WHETHER THE COMPANY'S ACTIVITIES ARE CONSIDERED EXEMPT REQUIRES SIGNIFICANT JUDGMENT ON THE PART OF MANAGEMENT HOWEVER, THE INTERNAL REVENUE SERVICE (IRS) ISSUED A PRIVATE LETTER RULING IN WHICH IT CONCLUDED THAT CERTIFICATION AND CERTAIN INVESTING ACTIVITIES ARE RELATED TO THE COMPANY'S EXEMPT PURPOSE THE COMPANY RECORDS INCOME TAX LIABILITIES ON INCOME-PRODUCING ACTIVITIES WHEN APPROPRIATE THE CURRENT PROVISION FOR INCOME TAXES REPRESENTS ACTUAL OR ESTIMATED AMOUNTS PAYABLE OR REFUNDABLE ON TAX RETURNS FILED OR TO BE FILED EACH YEAR DEFERRED TAX ASSETS AND LIABILITIES ARE RECOGNIZED FOR THE FUTURE TAX CONSEQUENCES ATTRIBUTABLE TO DIFFERENCES BETWEEN THE FINANCIAL STATEMENTS CARRYING AMOUNTS OF EXISTING ASSETS AND LIABILITIES AND THEIR RESPECTIVE TAX BASES AND OPERATING LOSS AND TAX CREDIT CARRYFORWARDS DEFERRED TAX ASSETS AND LIABILITIES ARE MEASURED USING ENACTED TAX RATES EXPECTED TO APPLY TO TAXABLE INCOME IN THE YEARS IN WHICH THOSE TEMPORARY DIFFERENCES ARE EXPECTED TO BE RECOVERED OR SETTLED THE EFFECT ON DEFERRED TAX ASSETS AND LIABILITIES OF A CHANGE IN TAX RATES IS RECOGNIZED IN OPERATIONS IN THE PERIOD THAT INCLUDES THE ENACTMENT DATE THE OVERALL CHANGE IN DEFERRED TAX ASSETS AND LIABILITIES FOR THE PERIOD MEASURES THE DEFERRED TAX EXPENSE OR BENEFIT FOR THE PERIOD THE MEASUREMENT OF DEFERRED TAX ASSETS MAY BE REDUCED BY A VALUATION ALLOWANCE BASED ON MANAGEMENT'S ASSESSMENT OF AVAILABLE EVIDENCE IF DEEMED MORE LIKELY THAN NOT THAT SOME OR ALL OF THE DEFERRED TAX ASSETS WILL NOT BE REALIZED</p>

**SCHEDULE F  
(Form 990)**

Department of the Treasury  
Internal Revenue Service

**Statement of Activities Outside the United States**

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

► Attach to Form 990. ► See separate instructions.

► Information about Schedule F (Form 990) and its instructions is at [www.irs.gov/form990](http://www.irs.gov/form990).

OMB No 1545-0047

**2016**

**Open to Public  
Inspection**

Name of the organization  
Cable Television Laboratories Inc

**Employer identification number**

04-3012897

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

**1 For grantmakers.** Does the organization maintain records to substantiate the amount of its grants and other assistance, the grantees' eligibility for the grants or assistance, and the selection criteria used to award the grants or assistance?

☐ Yes ☐ No

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

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

(a) Region	(b) Number of offices in the region	(c) Number of employees, agents, and independent contractors in region	(d) Activities conducted in region (by type) (e g , fundraising, program services, investments, grants to recipients located in the region)	(e) If activity listed in (d) is a program service, describe specific type of service(s) in region	(f) Total expenditures for and investments in region
( 1 ) See Add'l Data					
( 2 )					
( 3 )					
( 4 )					
( 5 )					
<b>3a</b> Sub-total					2,180,870
<b>b</b> Total from continuation sheets to Part I					
<b>c Totals</b> (add lines 3a and 3b)					2,180,870

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

<b>1</b>	<b>(a)</b> Name of organization	<b>(b)</b> IRS code section and EIN (if applicable)	<b>(c)</b> Region	<b>(d)</b> Purpose of grant	<b>(e)</b> Amount of cash grant	<b>(f)</b> Manner of cash disbursement	<b>(g)</b> Amount of non-cash assistance	<b>(h)</b> Description of non-cash assistance	<b>(i)</b> Method of valuation (book, FMV, appraisal, other)
<b>( 1 )</b>									
<b>( 2 )</b>									
<b>( 3 )</b>									
<b>( 4 )</b>									

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



**Part III** **Grants and Other Assistance to Individuals Outside the United States.** Complete if the organization answered "Yes" to 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 non-cash assistance	(g) Description of non-cash assistance	(h) Method of valuation (book, FMV, appraisal, other)
( 1 )							
( 2 )							
( 3 )							
( 4 )							
( 5 )							
( 6 )							
( 7 )							
( 8 )							
( 9 )							
( 10 )							
( 11 )							
( 12 )							
( 13 )							
( 14 )							
( 15 )							
( 16 )							
( 17 )							
( 18 )							

**Part IV Foreign Forms**

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

Return Reference	Explanation
PART I, LN 3, ITEMS 1-8 GENERAL INFORMATION ON ACTIVITIES OUTSIDE THE US	THE ONLY TYPES OF EXPENDITURES CABLELABS INCURS OUTSIDE THE U S ARE FOR TRAVEL, MEMBERSHIP DUES, CONFERENCE FEES, CONSULTING, AND EQUIPMENT OR SOFTWARE PURCHASES

Additional Data

Software ID:  
Software Version:  
EIN: 04-3012897  
Name: Cable Television Laboratories Inc

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

(a) Region	(b) Number of offices in the region	(c) Number of employees or agents in region	(d) Activities conducted in region (by type) (i e , fundraising, program services, grants to recipients located in the region)	(e) If activity listed in (d) is a program service, describe specific type of service(s) in region	(f) Total expenditures for region
Europe (Including Iceland and Greenland)			Program Services	See Sch F Part V	1,786,559
East Asia and the Pacific			Program Services	See Sch F Part V	275,943
North America			Program Services	See Sch F Part V	54,828

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

(a) Region	(b) Number of offices in the region	(c) Number of employees or agents in region	(d) Activities conducted in region (by type) (i.e., fundraising, program services, grants to recipients located in the region)	(e) If activity listed in (d) is a program service, describe specific type of service(s) in region	(f) Total expenditures for region
South Asia			Program Services	See Sch F Part V	8,953
South America			Program Services	See Sch F Part V	11,578
Middle East and North Africa			Program Services	See Sch F Part V	30,781

Form 990 Schedule F Part I - Activities Outside The United States					
(a) Region	(b) Number of offices in the region	(c) Number of employees or agents in region	(d) Activities conducted in region (by type) (i.e., fundraising, program services, grants to recipients located in the region)	(e) If activity listed in (d) is a program service, describe specific type of service(s) in region	(f) Total expenditures for region
Central America and the Caribbean			Program Services	See Sch F Part V	10,095
Russia and the Newly Independent States			Program Services	See Sch F Part V	2,133

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As Filed Data -

DLN: 93493134096768

Schedule I  
(Form 990)

Department of the Treasury  
Internal Revenue Service

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

Complete if the organization answered "Yes," on Form 990, Part IV, line 21 or 22.  
▶ Attach to Form 990.  
▶ Information about Schedule I (Form 990) and its instructions is at [www.irs.gov/form990](http://www.irs.gov/form990).

OMB No 1545-0047

2016

Open to Public Inspection

Name of the organization  
Cable Television Laboratories Inc

Employer identification number  
04-3012897

Part I

General Information on Grants and Assistance

- 1

Does the organization maintain records to substantiate the amount of the grants or assistance, the grantees' eligibility for the grants or assistance, and the selection criteria used to award the grants or assistance? . . . . .

☒ Yes ☐ No
- 2

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

Part II

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

(a) Name and address of organization or government	(b) EIN	(c) IRC section if applicable	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of non-cash assistance	(h) Purpose of grant or assistance

2

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

10

3

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

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

(a) Type of grant or assistance	(b) Number of recipients	(c) Amount of cash grant	(d) Amount of 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.

Return Reference	Explanation
PART I, LINE 2 GENERAL INFORMATION ON GRANTS AND OTHER ASSISTANCE	CABLELABS DOES NOT MAKE GRANTS THAT REQUIRE ANY TYPE OF REPORTING OR MONITORING OF THE USE OF GRANT FUNDS THE GRANTS WERE MADE TO SUPPORT OPERATIONS OF THESE ORGANIZATIONS



Additional Data

Software ID:  
Software Version:  
EIN: 04-3012897  
Name: Cable Television Laboratories Inc

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

(a) Name and address of organization or government	(b) EIN	(c) IRC section if applicable	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of non-cash assistance	(h) Purpose of grant or assistance
Emma Bowen Foundation 30 Rockfeller Plaza Campus 1221 Ave of the Americas New York, NY 10112	22-2635292	501(c)(3)	18,040		FMV	N/A	Support Operations
Univ of Colorado Boulder Silicon Flatirons Wolf Law Bldg 401 UCB Boulder, CO 80309	84-6049811	501(c)(3)	10,000		FMV	N/A	SUPPORT OPERATIONS Support Operations

Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.							
(a) Name and address of organization or government	(b) EIN	(c) IRC section if applicable	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of non-cash assistance	(h) Purpose of grant or assistance
Walter Kaitz Foundation 25 Massachusetts Ave NW 100 Washington, DC 20001	94-2666764	501(c)(3)	15,500		FMV	N/A	SUPPORT OPERATIONS Support Operations
Cable Center 2000 Buchtel Blvd Denver, CO 80210	20-0315238	501(c)(3)	20,000		FMV	N/A	SUPPORT OPERATIONS Support Operations

Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.							
(a) Name and address of organization or government	(b) EIN	(c) IRC section if applicable	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of non-cash assistance	(h) Purpose of grant or assistance
Colorado State University Foundation 410 University Services Center 601 S Howes St Fort Collins, CO 80523	84-6000545	501(c)(3)	20,000		FMV	N/A	SUPPORT OPERATIONS Support Operations
Carnegie Mellon University 5000 Forbes Ave Pittsburgh, PA 15213	25-0969449	501(c)(3)	50,000		FMV	N/A	SUPPORT OPERATIONS Support Operations

Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.							
(a) Name and address of organization or government	(b) EIN	(c) IRC section if applicable	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of non-cash assistance	(h) Purpose of grant or assistance
University of Colorado Foundation UCB 401 Boulder, CO 80309	84-6049811	501(c)(3)	57,119		FMV	N/A	SCHOLARSHIP Support Operations
NYU Wireless 25 W 4th St New York, NY 10012	13-5562308	501(c)(3)	100,000		FMV	N/A	SUPPORT OPERATIONS Support Operations

Form 990, Schedule I, Part II, Grants and Other Assistance to Domestic Organizations and Domestic Governments.							
(a) Name and address of organization or government	(b) EIN	(c) IRC section if applicable	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of non-cash assistance	(h) Purpose of grant or assistance
Princeton University 91 Prospect Ave Princeton, NJ 08540	21-0634501	501(c)(3)	130,000		FMV	N/A	SUPPORT OPERATIONS Support Operations
Univ of Colorado School of Engineering ECOT 316 530 UCB Boulder, CO 80309	84-6049811	501(c)(3)	161,490		FMV	N/A	SUPPORT OPERATIONS Support Operations

Schedule J  
(Form 990)

Department of the Treasury  
Internal Revenue Service

Compensation Information

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

▶ Complete if the organization answered "Yes" on Form 990, Part IV, line 23.  
▶ Attach to Form 990.

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

OMB No 1545-0047

2015

Open to Public Inspection

Name of the organization  
Cable Television Laboratories Inc

Employer identification number  
04-3012897

Part I Questions Regarding Compensation

	Yes	No
<b>1a</b> Check the appropriate box(es) if the organization provided any of the following to or for a person listed on Form 990, Part VII, Section A, line 1a. Complete Part III to provide any relevant information regarding these items. <div><div><input type="checkbox"/> First-class or charter travel</div><div><input type="checkbox"/> Travel for companions</div><div><input type="checkbox"/> Tax indemnification and gross-up payments</div><div><input type="checkbox"/> Discretionary spending account</div><div><input type="checkbox"/> Housing allowance or residence for personal use</div><div><input type="checkbox"/> Payments for business use of personal residence</div><div><input type="checkbox"/> Health or social club dues or initiation fees</div><div><input type="checkbox"/> Personal services (e.g., maid, chauffeur, chef)</div></div>		
<b>b</b> If any of the boxes in line 1a are checked, did the organization follow a written policy regarding payment or reimbursement or provision of all of the expenses described above? If "No," complete Part III to explain	Yes	
<b>2</b> Did the organization require substantiation prior to reimbursing or allowing expenses incurred by all directors, trustees, officers, including the CEO/Executive Director, regarding the items checked in line 1a?	Yes	
<b>3</b> Indicate which, if any, of the following the filing organization used to establish the compensation of the organization's CEO/Executive Director. Check all that apply. Do not check any boxes for methods used by a related organization to establish compensation of the CEO/Executive Director, but explain in Part III. <div><div><input type="checkbox"/> Compensation committee</div><div><input type="checkbox"/> Independent compensation consultant</div><div><input type="checkbox"/> Form 990 of other organizations</div><div><input type="checkbox"/> Written employment contract</div><div><input type="checkbox"/> Compensation survey or study</div><div><input type="checkbox"/> Approval by the board or compensation committee</div></div>		
<b>4</b> 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: <b>a</b> Receive a severance payment or change-of-control payment?	Yes	
<b>b</b> Participate in, or receive payment from, a supplemental nonqualified retirement plan?	Yes	
<b>c</b> 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.		No
<b>Only 501(c)(3), 501(c)(4), and 501(c)(29) organizations must complete lines 5-9.</b>		
<b>5</b> 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: <b>a</b> The organization?		
<b>b</b> Any related organization? If "Yes," on line 5a or 5b, describe in Part III.		
<b>6</b> 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: <b>a</b> The organization?		
<b>b</b> Any related organization? If "Yes," on line 6a or 6b, describe in Part III.		
<b>7</b> For persons listed on Form 990, Part VII, Section A, line 1a, did the organization provide any non-fixed payments not described in lines 5 and 6? If "Yes," describe in Part III.		
<b>8</b> 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.		
<b>9</b> If "Yes" on line 8, did the organization also follow the rebuttable presumption procedure described in Regulations section 53.4958-6(c)?		

**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 are not listed on Form 990, Part VII.

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

(A) Name and Title	(B) Breakdown of W-2 and/or 1099-MISC compensation			(C) Retirement and other deferred compensation	(D) Nontaxable benefits	(E) Total of columns (B)(i)-(D)	(F) Compensation in column(B) reported as deferred on prior Form 990
	(i) Base compensation	(ii) Bonus & incentive compensation	(iii) Other reportable compensation				
See Additional Data Table							

**Part III**   **Supplemental Information**

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

Return Reference	Explanation
Supplemental Information 1	PART I, LINES 1A AND 1B TAX INDEMNIFICATION AND GROSS-UP PAYMENTS CABLELABS GROSSES UP THE VALUE OF EMPLOYEE RECOGNITION AWARDS (E G GIFT CARDS) FOR ALL EMPLOYEES. EMPLOYEES WHO FLY MORE THAN 10,000 MILES FOR BUSINESS IN A YEAR ARE ELIGIBLE TO JOIN THE UNITED AIRLINES UNITED CLUB AND REQUEST REIMBURSEMENT FROM CABLELABS. THIS BENEFIT IS GROSSED UP. THESE GROSS-UP POLICIES WERE APPROVED BY THE COMPANY'S CHIEF EXECUTIVE OFFICER AND CHIEF OPERATING OFFICER AND ARE DOCUMENTED IN THE COMPANY'S EMPLOYEE HANDBOOK. CERTAIN NEW HIRES ARE OFFERED A RELOCATION ALLOWANCE TO COVER ELIGIBLE RELOCATION EXPENSES UP TO 15% OF BASE SALARY TO ENTICE THEM TO ACCEPT OUR JOB OFFER. TAXABLE RELOCATION REIMBURSEMENTS ARE GROSSED UP. THE RELOCATION ALLOWANCE IS DOCUMENTED IN OUR RECRUITMENT POLICY WHICH WAS APPROVED BY THE COMPANY'S CHIEF OPERATING OFFICER AND VICE PRESIDENT OF TALENT SOLUTIONS.
Supplemental Information 2	PART I, LINE 4A SEVERANCE OR CHANGE OF CONTROL PAYMENTS ED MILLER, SENIOR VICE PRESIDENT, JENIFER CISTOLA, SENIOR VICE PRESIDENT, AND JONATHAN COURTNEY, VICE PRESIDENT, LEFT CABLELABS EFFECTIVE JANUARY 15, 2016. THEY RECEIVED PAYMENTS OF \$354,388, \$339,195 AND \$197,595, RESPECTIVELY, IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF THEIR SEVERANCE AGREEMENTS. THESE PAYMENTS WERE IN CONSIDERATION OF THE EMPLOYEES' ACKNOWLEDGEMENT THAT THE PAYMENTS EXCEEDED ANY AMOUNT THAT THEY WOULD OTHERWISE BE ENTITLED TO RECEIVE UPON SEPARATION OF EMPLOYMENT, AND AGREEMENT TO 1) RELEASE CABLELABS AND ITS DIRECTORS, OFFICERS AND EMPLOYEES FROM ALL POTENTIAL CLAIMS ARISING OUT OF HIS/HER EMPLOYMENT OR SEPARATION OF EMPLOYMENT, 2) CONTINUE TO ABIDE BY ALL CONFIDENTIALITY AND NON-DISCLOSURE OBLIGATIONS OWED TO CABLELABS AND 3) REFRAIN FROM MAKING ANY FALSE OR DISPARAGING STATEMENTS ABOUT CABLELABS' DIRECTORS, OFFICERS, EMPLOYEES OR ITS BUSINESS.



Additional Data

Software ID:

Software Version:

EIN: 04-3012897

Name: Cable Television Laboratories Inc

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

(A) Name and Title		(B) Breakdown of W-2 and/or 1099-MISC compensation			(C) Retirement and other deferred compensation	(D) Nontaxable benefits	(E) Total of columns (B)(i)-(D)	(F) Compensation in column (B) reported as deferred on prior Form 990
		(i) Base Compensation	(ii) Bonus & incentive compensation	(iii) Other reportable compensation				
1Anju AhujaVICE PRESIDENT	(i)	240,985	62,000	2,220	33,942	5,609	344,756	0
	(ii)	-----	-----	-----	0	- 0	- 0	0
1Robert H Alderfer VICE PRESIDENT	(i)	205,905	77,470	2,209	30,645	20,053	336,282	0
	(ii)	-----	-----	-----	0	- 0	- 0	0
2Brad S Aquino VICE PRESIDENT	(i)	147,018		923	21,292	12,815	182,048	0
	(ii)	-----	-----	-----	0	- 0	- 0	0
3Ralph W Brown CHIEF TECHNOLOGY OFFICER	(i)	424,258	133,413	4,709	37,100	20,151	619,631	0
	(ii)	-----	-----	-----	0	- 0	- 0	0
4Scott T Brown VICE PRESIDENT	(i)	206,154	63,940	1,259	22,901	20,151	314,405	0
	(ii)	-----	-----	-----	0	- 0	- 0	0
5Judson D Cary VICE PRESIDENT	(i)	317,406	95,000	5,047	37,100	5,609	460,162	0
	(ii)	-----	-----	-----	0	- 0	- 0	0
6Jennifer B Cistola SENIOR VP thru 1/2016	(i)	25,543		339,195	3,605	488	368,831	0
	(ii)	-----	-----	-----	0	- 0	- 0	0
7Jonathan D Courtney VICE PRESIDENT thru 1/2016	(i)	11,806		197,595	1,701	815	211,917	0
	(ii)	-----	-----	-----	0	- 0	- 0	0
8Mark R Eggleston VICE PRESIDENT thru 9/2016	(i)	188,161	95,000	5,814	27,211	14,964	331,150	0
	(ii)	-----	-----	-----	0	- 0	- 0	0
9Isaac K Elliott CHIEF STRATEGY OFFICER	(i)	329,954	116,770	2,208	37,100	20,151	506,183	0
	(ii)	-----	-----	-----	0	- 0	- 0	0
10Michael Glenn VICE PRESIDENT	(i)	187,806	47,638	2,585	27,411	20,053	285,493	0
	(ii)	-----	-----	-----	0	- 0	- 0	0
11Belal Y Hamzeh VICE PRESIDENT	(i)	208,326	63,463	7,832	30,159	20,151	329,931	0
	(ii)	-----	-----	-----	0	- 0	- 0	0
12George J Kakatsakis VICE PRESIDENT	(i)	220,988	70,000	3,249	31,830	20,151	346,218	0
	(ii)	-----	-----	-----	0	- 0	- 0	0
13Kevin J Kershaw DIRECTOR	(i)	190,946	45,500	3,218	27,454	12,079	279,197	0
	(ii)	-----	-----	-----	0	- 0	- 0	0
14Curtis Knittle VICE PRESIDENT	(i)	219,586	58,000	4,963	31,735	20,151	334,435	0
	(ii)	-----	-----	-----	0	- 0	- 0	0
15Chnstopher J Lammers CHIEF OPERATING OFFICER	(i)	549,281	173,102	3,429	37,100	20,151	783,063	0
	(ii)	-----	-----	-----	0	- 0	- 0	0
16Jeffrey C Leget VICE PRESIDENT	(i)	195,079	42,000	1,601	28,355	20,053	287,088	0
	(ii)	-----	-----	-----	0	- 0	- 0	0
17Tom D Lookabaugh CHIEF R&D OFFICER thru 8/2016	(i)	286,544	295,000	2,321	37,100	13,237	634,202	0
	(ii)	-----	-----	-----	0	- 0	- 0	0
18Phil C McKinney PRESIDENT & CEO	(i)	828,772	811,589	18,874	37,100	12,079	1,708,414	0
	(ii)	-----	-----	-----	0	- 0	- 0	0
19Karen V Metz VICE PRESIDENT thru 5/2016	(i)	119,915	115,000	4,131	17,138	4,396	260,580	0
	(ii)	-----	-----	-----	0	- 0	- 0	0

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

(A) Name and Title		(B) Breakdown of W-2 and/or 1099-MISC compensation			(C) Retirement and other deferred compensation	(D) Nontaxable benefits	(E) Total of columns (B)(i)-(D)	(F) Compensation in column (B) reported as deferred on prior Form 990
		(i) Base Compensation	(ii) Bonus & incentive compensation	(iii) Other reportable compensation				
21Edward M Miller SENIOR VP thru 1/2016	(i)	8,209		354,388	5,255	1,052	368,904	0
	(ii)				0	- 0	- 0	0
1Chnstian M Pape VICE PRESIDENT	(i)	211,430	60,000	2,294	30,413	20,151	324,288	0
	(ii)				0	- 0	- 0	0
2Ronald S Reuss VICE PRESIDENT	(i)	208,421	66,000	2,413	30,003	20,151	326,988	0
	(ii)				0	- 0	- 0	0
3Daniel J Rice SENIOR VP thru 1/2016	(i)	38,125	70,284	615	5,378	815	115,217	0
	(ii)				0	- 0	- 0	0
4Glenn W Russell VICE PRESIDENT	(i)	229,730	69,157	1,339	32,623	12,079	344,928	0
	(ii)				0	- 0	- 0	0
5Matthew D Schmitt VICE PRESIDENT thru 4/2017	(i)	219,312	71,000	4,547	31,343	20,151	346,353	0
	(ii)				0	- 0	- 0	0
6Peter P Smyth VICE PRESIDENT	(i)	199,750	56,000	3,197	28,350	12,079	299,376	0
	(ii)				0	- 0	- 0	0
7Wayne E Surdam VICE PRESIDENT thru 4/2017	(i)	260,430	85,000	4,886	34,450	20,151	404,917	0
	(ii)				0	- 0	- 0	0
8Lee W Zieroth SVP & GENERAL COUNSEL	(i)	363,063	114,594	5,248	37,100	12,079	532,084	0
	(ii)				0	- 0	- 0	0
9Luis A CamposFellow	(i)	250,945	85,000	17,048	35,772	20,151	408,916	0
	(ii)				0	- 0	- 0	0
10Robert M Lund Distinguished Technologist	(i)	253,619	76,118	6,684	35,892	12,079	384,392	0
	(ii)				0	- 0	- 0	0
11Simon L Krauss Deputy General Counsel	(i)	249,014	66,000	1,695	35,572	20,151	372,432	0
	(ii)				0	- 0	- 0	0
12Stephen G Glennon Distinguished Technologist	(i)	223,893	61,000	6,020	32,404	20,069	343,386	0
	(ii)				0	- 0	- 0	0
13Gregory C White Distinguished Technologist	(i)	210,188	64,370	6,425	30,335	20,151	331,469	0
	(ii)				0	- 0	- 0	0
14Mitchell R Ashley President & General Manager	(i)				0	0	0	0
	(ii)	241,791	123,384	1,738	37,800	- 4,622	- 409,335	0
15OSCAR G MARCIA VICE PRESIDENT THRU 6/2015	(i)			189,492	0	0	189,492	189,492
	(ii)				0	- 0	- 0	0

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

Department of the Treasury  
Internal Revenue Service

Name of the organization  
Cable Television Laboratories Inc

**Supplemental Information to Form 990 or 990-EZ**

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

▶ Attach to Form 990 or 990-EZ.

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

OMB No 1545-0047

**2016**

**Open to Public  
Inspection**

**Employer identification number**

04-3012897

**990 Schedule O, Supplemental Information**

Return Reference	Explanation
General Statement 1	FORM 990 PART III LINE 1 ORGANIZATION'S MISSION CABLELABS CO-INNOVATES UNEXPECTED SOLUTIONS THAT TRANSFORM AND INSPIRE OUR INDUSTRY WE STRIVE TO DELIVER INNOVATIONS THAT ENABLE OUR MEMBERS TO BE THE PROVIDER OF CHOICE IN THEIR MARKETS

**990 Schedule O, Supplemental Information**

Return Reference	Explanation
General Statement 2	<p>PART III, LINE 4 STATEMENT OF PROGRAM SERVICES FOUNDED IN 1988 BY CABLE OPERATING COMPANIES, CABLE TELEVISION LABORATORIES, INC (CABLELABS OR THE COMPANY) IS A NONPROFIT INNOVATION AND R&amp;D LAB THAT IS DEDICATED TO CREATING AND LEVERAGING INNOVATIVE IDEAS THAT SIGNIFICANTLY IMPACT ITS CABLE OPERATOR MEMBERS' BUSINESS THROUGHOUT THE WORLD BY ALLOWING THEM TO BE THE PROVIDERS OF CHOICE IN THE MARKETS THEY SERVE THE COMPANY'S KEY OBJECTIVES ARE TO PROVIDE A CENTRAL SOURCE OF TIMELY INFORMATION ABOUT TECHNICAL DEVELOPMENTS OF INTEREST TO THE INDUSTRY, PLAN, PERFORM, AND FUND INNOVATION AND RESEARCH AND DEVELOPMENT PROJECTS THAT ALIGN WITH THE OVERALL INTERESTS OF THE CABLE INDUSTRY, FACILITATE THE TRANSFER OF RELEVANT TECHNOLOGY AND BEST PRACTICES FOR DEPLOYING NEW TECHNOLOGY TO MEMBER COMPANIES AND PROVIDERS TO THE INDUSTRY, AND PROVIDE SERVICES THAT PROMOTE INTEROPERABILITY OF RELEVANT TECHNOLOGIES SO THAT THEY ARE SUCCESSFULLY DEPLOYED BY MEMBER COMPANIES CABLELABS MEMBERSHIP COMPRISES MAJOR CABLE OPERATORS WORLDWIDE THE BOARD OF DIRECTORS COMPRISES 14 VOTING REPRESENTATIVES WITH TEN DESIGNATED EACH BY ONE OF THE TEN U.S. AND CANADIAN MEMBER COMPANIES PAYING THE LARGEST AMOUNT OF DUES, TWO DESIGNATED EACH BY ONE OF THE TWO GLOBAL MEMBER COMPANIES PAYING THE LARGEST AMOUNT OF DUES, AND TWO ELECTED BY ALL MEMBERS OF THE MEMBERSHIP VOTING AT LARGE, WITH THREE NONVOTING EX OFFICIO REPRESENTATIVES THE COMPANY'S ACTIVITIES INCLUDE THE FOLLOWING MAJOR INITIATIVES (A) BUSINESS TECHNOLOGIES BUSINESS TECHNOLOGIES IS FOCUSED ON PROVIDING TECHNICAL ALIGNMENT BETWEEN MEMBER BUSINESS SERVICES STRATEGY AND BUSINESS NEEDS THE RAPID GROWTH OF COMMERCIAL SERVICES BUSINESS HAS DRIVEN THE NEED FOR ACCESS TO DATA THAT PROVIDES KEY INSIGHTS THAT DRIVE BUSINESS AND TECHNOLOGY INNOVATION'S LEVERAGING GLOBAL STANDARDS, BUSINESS TECHNOLOGIES WORKS WITH MEMBERS AND LEADING INDUSTRY SUPPLIERS TO DEVELOP AND APPLY THE PROJECT ARTIFACTS THAT HELP ENABLE THE COMPANY'S MEMBERS TO PROVIDE EXISTING AND NEW PRODUCT OFFERINGS TO SMALL, MEDIUM, AND ENTERPRISE BUSINESSES (B) LAB SERVICES THE LAB SERVICES GROUP'S PRIMARY ACTIVITIES ARE CERTIFICATION TESTING, INTEROPERABILITY EVENTS, MEMBER-DEVICE TESTING, AND DEVELOPMENT LAB SERVICES THE GROUP ALSO SUPPORTS THE COMPANY'S RESEARCH AND DEVELOPMENT INITIATIVES, PROVIDING EXPERTISE FOR DEVELOPMENT OF NEW TECHNOLOGIES AND DEVELOPING PROCESSES FOR TESTING THESE NEW TECHNOLOGIES THE GROUP TESTS AND EVALUATES EQUIPMENT FOR COMPLIANCE WITH THE APPLICABLE COMPANY SPECIFICATIONS USING PROCEDURES THAT HAVE BEEN DEVELOPED IN COOPERATION WITH THE MANUFACTURERS OF THE EQUIPMENT DEVELOPED PURSUANT TO SUCH SPECIFICATIONS AND CABLELABS' MEMBERS' REQUIREMENTS THE LAB SERVICES GROUP IS RESPONSIBLE FOR THE LABORATORY FACILITIES AT CABLELABS, AS WELL AS OTHER TESTING RELATED ACTIVITIES OUTSIDE OF THE LAB THIS INCLUDES HOSTING INTEROPERABILITY EVENTS WHICH ARE DESIGNED TO PROVIDE NEUTRAL GROUND FOR MANUFACTURERS TO TEST HOW EFFECTIVELY THEIR PROD</p>

**990 Schedule O, Supplemental Information**

Return Reference	Explanation
General Statement 2	<p>UCTS WORK WITH EACH OTHER, AND HOSTING DEVELOPMENT LAB ACTIVITIES TO ACCELERATE MANUFACTURERS' PRODUCT DEVELOPMENT OR PROVIDE ACCESS TO EQUIPMENT THEY DO NOT HAVE IN THEIR OWN LABS TO IMPROVE PRODUCT READINESS (C) OFFICE OF THE CHIEF TECHNOLOGY OFFICER THE OFFICE OF THE CHIEF TECHNOLOGY OFFICER HAS BEEN FOCUSED ON REGULATORY SUPPORT FOR THE INDUSTRY IN THE FCC DOWNLOADABLE SECURITY TECHNOLOGY ADVISORY COMMITTEE (DSTAC), LEADING INDUSTRY STANDARD STRATEGY, AND VENDOR RELATIONS (D) RESEARCH &amp; DEVELOPMENT SOFTWARE THE RESEARCH &amp; DEVELOPMENT SOFTWARE TEAM IS ENGAGED IN TWO FUNDAMENTAL SETS OF ACTIVITIES - 1) SOFTWARE DEVELOPMENT THAT SUPPORTS THE PROJECT ACTIVITIES OF THE WIRED TECHNOLOGIES, WIRELESS TECHNOLOGIES, OR INNOVATION OFFICE ENGINEERING TEAMS OR 2) WORK ON ENGINEERING INFRASTRUCTURE PROJECTS TO PROVIDE TOOLS, SYSTEMS, AND PROGRAMS THAT FURTHER THE OVERALL GOALS AND CAPABILITIES OF CABLELABS' ENGINEERING DEPARTMENTS (E) SECURITY TECHNOLOGIES THE SECURITY TECHNOLOGIES TEAM LEADS A NUMBER OF TECHNICAL PROJECTS AIMED AT ENHANCING THE SECURITY OF SERVICES DELIVERED BY CABLE OPERATORS THE FOUNDATION OF THE CABLE INDUSTRY'S SECURITY INFRASTRUCTURE IS THE CABLELABS PUBLIC KEY INFRASTRUCTURE (PKI), WHICH ALLOWS CABLE OPERATORS TO AUTHENTICATE DEVICES CONNECTED TO THEIR NETWORKS AND ENABLES THE SECURE DELIVERY OF CABLE SERVICES TO SUBSCRIBERS OTHER AREAS OF FOCUS INCLUDE TECHNOLOGY RESEARCH, SECURITY ANALYSIS, ARCHITECTURE &amp; SPECIFICATION DEVELOPMENT, CERTIFICATE PKI DESIGN AND MANAGEMENT, DISTRIBUTED DENIAL OF SERVICE AND BOTNET MITIGATION TECHNOLOGIES, INFORMATION SHARING, AND INTERNET OF THINGS (IOT) SECURITY THE TEAM INVESTIGATES EMERGING SECURITY TECHNOLOGIES INCLUDING BLOCKCHAIN, SOFTWARE-DEFINED NETWORKS, NETWORK FUNCTION VIRTUALIZATION (SDN/NFV), IMAGE SECURITY INTEGRITY AND DYNAMIC HOME NETWORKING A STRATEGIC GOAL OF THE CABLELABS SECURITY TEAM IS TO CONTINUALLY IMPROVE THE SECURITY OF CABLE VOICE, VIDEO, DATA, AND WEB SERVICES THROUGH INNOVATIVE AND STANDARDS BASED SECURITY SOLUTIONS (F) STRATEGY AND INNOVATION THE STRATEGY AND INNOVATION GROUP IS FOCUSED ON DEVELOPING NEW INNOVATIONS, PERFORMING ANALYSIS PROJECTS, AND ENGAGING THE TECHNOLOGY STARTUP COMMUNITY THIS GROUP RESEARCHES THE TECHNOLOGIES THEMSELVES, ALONG WITH THE ECONOMIC AND MARKET VIABILITY OF THE TECHNOLOGIES BOTH IN TERMS OF UNIT COSTS AND COMPETITIVE ALTERNATIVES THE GROUP SPONSORS AND PROMOTES THE IDENTIFICATION AND DEVELOPMENT OF INNOVATIONS THAT CAN DELIVER MARKET AND TECHNOLOGICAL BREAKTHROUGHS THE FOCUS OF THE INNOVATION WORK IN THE GROUP IS THE PURSUIT OF IDEAS WITH TRANSFORMATIONAL MARKET POTENTIAL IN THE NEXT 3-8 YEARS (G) WIRED TECHNOLOGIES WIRED TECHNOLOGIES GROUP ACTIVITIES RELATE TO TWO SPECIFIC AREAS OF THE CABLE INDUSTRY (1) WIRELINE COMMUNICATIONS AND (2) NETWORK VIRTUALIZATION WIRELINE COMMUNICATIONS IS A BROAD CATEGORY THAT FOR PURPOSES OF THE WIRED TECHNOLOGIES GROUP ENCOMPASSES FIXED NETWORK INFRASTRUCTURE IN BOTH THE ACCESS NETWORK AND IN-</p>

# 990 Schedule O, Supplemental Information

Return Reference	Explanation
General Statement 2	<p>HOME NETWORK ACCESS NETWORK WIRELINE COMMUNICATIONS INCLUDES THE DEVELOPMENT OF SPECIFIC TIONS AND SOLUTIONS FOR DOCSIS 3.1, FULL DUPLEX DOCSIS, DISTRIBUTED ACCESS ARCHITECTURES, AND PASSIVE OPTICAL NETWORKING (PON). IN-HOME NETWORKING ACTIVITIES FOCUS ON THE USE OF MULTIMEDIA OVER COAX ALLIANCE (MOCA) TECHNOLOGIES OR OTHER SOLUTIONS FOR DELIVERING ETHERNET OVER COAXIAL NETWORK (EON). THE GROUP ALSO FOCUSES ON SOLUTIONS RELATED TO BACKHAUL AND FRONT-HAUL TO AND FROM WIRELESS ACCESS POINTS. NETWORK VIRTUALIZATION RESEARCH FOCUSES ON SDN/NFV TECHNOLOGY, AND ITS APPLICATION TO THE CABLE INDUSTRY. THESE ACTIVITIES LEVERAGE DEVELOPMENTS IN CLOUD TECHNOLOGY TO INCREASE RELIABILITY, AGILITY, AND EFFICIENCY OF NETWORKS AND ASSOCIATED SERVICES. THE PRIMARY FOCUS OF CURRENT VIRTUALIZATION ACTIVITIES REVOLVES AROUND CREATING A STABLE ENVIRONMENT FROM WHICH TO LAUNCH VIRTUAL NETWORK FUNCTIONS, AND CREATING A COMMON ORCHESTRATION LAYER, BOTH OF WHICH CAN BE ADOPTED INDUSTRY-WIDE. (H) WIRELESS TECHNOLOGIES THE WIRELESS TECHNOLOGIES GROUP'S ACTIVITIES FOCUS ON DRIVING THE TECHNOLOGY DEVELOPMENT OF WIRELESS TECHNOLOGIES FOR THE CABLE ECOSYSTEM IN PARTICULAR, AND THE WIRELESS ECOSYSTEM AS A WHOLE. THE WIRELESS TECHNOLOGIES OF INTEREST ARE WI-FI, 3G/4G/LTE AND ALSO 5G TECHNOLOGIES, IN ADDITION TO EMERGING WIRELESS TECHNOLOGIES IN THE IOT SPACE. WI-FI EFFORTS ARE FOCUSED ON IMPROVING THE WI-FI EXPERIENCE FOR BOTH THE END USER AND THE CABLE OPERATOR THROUGH SUPPORT OF INDUSTRY INITIATIVES SUCH AS CARRIER GRADE WI-FI, PASSPOINT, HOTSPOT 2.0, AND INTEGRATION WITH MOBILE TECHNOLOGIES SUCH AS WI-FI FIRST, WHERE THE WI-FI LINK WOULD BE THE PREFERRED METHOD FOR BROADBAND AND VOICE CONNECTIVITY, DEFERRING TO MOBILE TECHNOLOGIES WHERE WI-FI COVERAGE IS LACKING. THE PRIMARY AREA OF FOCUS FOR MOBILE WIRELESS TECHNOLOGIES WAS ON DRIVING MOBILE TECHNOLOGIES INTO THE UNLICENSED BAND AND DRIVING COEXISTENCE FEATURES INTO THE TECHNOLOGY TO FACILITATE FAIR SHARING OF THE UNLICENSED SPECTRUM WITH INCUMBENT TECHNOLOGIES SUCH AS WI-FI. 5G WIRELESS RESEARCH BASED ON MILLIMETER WAVE TECHNOLOGY TARGETING LOW LATENCY MULTI GBPS WIRELESS PERFORMANCE WAS ALSO A SIGNIFICANT AREA OF FOCUS DURING THE YEAR, LOOKING INTO THE FEASIBILITY OF USING FIXED 5G TECHNOLOGIES TO DELIVER HIGH SPEED DATA SERVICES TO END USERS.</p>

**990 Schedule O, Supplemental Information**

Return Reference	Explanation
General Statement 3	PART VI, SECTION A, LINE 2 GOVERNING BODY AND MANAGEMENT THE FOLLOWING PERSONS HAVE A BUSINESS RELATIONSHIP CHRIS LAMMERS LEE ZIEROTH

**990 Schedule O, Supplemental Information**

Return Reference	Explanation
General Statement 4	<p>PART VI, SECTION A, LINES 6 AND 7A GOVERNING BODY AND MANAGEMENT CABLELABS IS A NON-STOCK MEMBERSHIP CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE THE MEMBERSHIP OF CABLELABS IS DIVIDED INTO THREE CLASSES OF MEMBERS AS FOLLOWS -CLASS US MEMBERS ARE OPERATORS OF CABLE TELEVISION SYSTEMS IN THE UNITED STATES -CLASS CA MEMBERS ARE OPERATORS OF CABLE TELEVISION SYSTEMS IN CANADA -CLASS G MEMBERS ARE OPERATORS OF CABLE TELEVISION SYSTEMS NOT IN THE UNITED STATES OR CANADA THE MEMBERS HAVE THE POWER TO DESIGNATE AND ELECT CERTAIN MEMBERS OF THE BOARD OF DIRECTORS AS ITS GOVERNING BODY BASED ON THE CLASSES NOTED ABOVE EACH OF THE EIGHT CLASS US MEMBERS, PAYING THE LARGEST AMOUNT OF DUES AS OF THE END OF THE FISCAL QUARTER IMMEDIATELY PRECEDING THE ELECTION OF DIRECTORS, IS ENTITLED TO DESIGNATE ONE DIRECTOR FOR A TOTAL OF EIGHT CLASS US DIRECTORS EACH OF THE TWO CLASS CA MEMBERS, PAYING THE LARGEST AMOUNT OF DUES AS OF THE END OF THE FISCAL QUARTER IMMEDIATELY PRECEDING THE ELECTION OF DIRECTORS, IS ENTITLED TO DESIGNATE ONE DIRECTOR FOR A TOTAL OF TWO CLASS CA DIRECTORS EACH OF THE TWO CLASS G MEMBERS, PAYING THE LARGEST AMOUNT OF DUES AS OF THE END OF THE FISCAL QUARTER IMMEDIATELY PRECEDING THE ELECTION OF DIRECTORS, IS ENTITLED TO DESIGNATE ONE DIRECTOR FOR A TOTAL OF TWO CLASS G DIRECTORS TWO AT-LARGE DIRECTORS ARE ELECTED BY CLASS US, CLASS CA, AND CLASS G MEMBERS VOTING TOGETHER AS A SINGLE CLASS ALL OTHER RIGHTS, DUTIES AND POWERS ARE VESTED IN THE BOARD OF DIRECTORS THE CHAIRMAN OF THE BOARD, VICE CHAIRMAN, PRESIDENT, TREASURER AND SECRETARY ARE ELECTED BY THE BOARD OF DIRECTORS VOTING ON THE BASIS OF ONE VOTE FOR EACH DOLLAR OF DUES PAID BY EACH VOTING DIRECTOR'S MEMBER COMPANY TO THE CORPORATION AS OF THE END OF THE FISCAL QUARTER OF THE CORPORATION IMMEDIATELY PRIOR TO THE ELECTION OF SUCH OFFICERS</p>



**990 Schedule O, Supplemental Information**

Return Reference	Explanation
General Statement 5	PART VI, SECTION B, LINE 11 GOVERNING BODY AND MANAGEMENT THE ORGANIZATION ENGAGES A PAID PREPARER EXPERIENCED IN THE PREPARATION OF THE FORM 990 TO PREPARE THE FORM ACCOUNTING DEPARTMENT STAFF, THE VICE PRESIDENT OF FINANCE AND GENERAL COUNSEL WORK CLOSELY WITH THE PAID PREPARER IN THE PREPARATION OF THE RETURN, AND THE VICE PRESIDENT OF FINANCE AND GENERAL COUNSEL REVIEW THE RETURN AS PREPARED BY THE PREPARER A COPY OF THE FORM 990 IS THEN REVIEWED BY THE AUDIT COMMITTEE, A SUBCOMMITTEE OF THE BOARD OF DIRECTORS, BEFORE IT IS FILED

**990 Schedule O, Supplemental Information**

Return Reference	Explanation
General Statement 6	<p>PART VI, SECTION B, 12C POLICIES AN ANNUAL ACKNOWLEDGEMENT OF THE CODE OF ETHICS FOR DIRECTORS CONTAINING CONFLICT OF INTEREST PROVISIONS IS ADOPTED BY THE BOARD OF DIRECTORS EACH BOARD MEMBER IS REQUIRED TO COMPLY WITH THE TERMS AND CONDITIONS OF THE CODE AND DISCLOSE TO THE CHAIRMAN OF THE BOARD OR CHAIRMAN OF THE AUDIT COMMITTEE ANY INTERESTS THAT COULD GIVE RISE TO CONFLICTS OF INTEREST, INCLUDING WITHOUT LIMITATION ANY FAMILY RELATIONSHIP OR BUSINESS RELATIONSHIP WITH ANY OTHER OFFICER, DIRECTOR OR KEY EMPLOYEE THE BOARD SHALL DETERMINE APPROPRIATE ACTIONS TO BE TAKEN IN THE EVENT THAT THIS CODE IS VIOLATED APPROPRIATE ACTIONS SHALL BE REASONABLY DESIGNED TO DETER WRONGDOING AND TO PROMOTE ACCOUNTABILITY FOR ADHERENCE TO THE CODE SUCH ACTIONS MAY INCLUDE BUT ARE NOT LIMITED TO REMOVAL OF A BOARD MEMBER FROM THE BOARD FOR A VIOLATION OF THE CODE ANNUAL CONFLICT OF INTEREST E-MAIL REQUESTS ARE SENT TO OFFICERS AND KEY EMPLOYEES, TO WHICH ALL RECIPIENTS ARE REQUIRED TO RESPOND WITH DISCLOSURE OF ANY CONFLICTS OF INTEREST OF WHICH THEY ARE AWARE CABLELABS' EMPLOYEE HANDBOOK STATES THAT EMPLOYEES MUST NOT HAVE ANY PERSONAL INTERESTS WHICH CONFLICT WITH THOSE OF CABLELABS OR WHICH MIGHT INFLUENCE OR APPEAR TO INFLUENCE ONE'S JUDGMENT OR ACTIONS WHILE EMPLOYED AT CABLELABS IF AN EMPLOYEE VIOLATES THIS POLICY, CABLELABS, IN ITS DISCRETION, MAY TAKE WHATEVER STEPS AND/OR DISCIPLINARY ACTIONS IT BELIEVES APPROPRIATE TO REMEDY THE VIOLATION, UP TO AND INCLUDING DISMISSAL</p>

## 990 Schedule O, Supplemental Information

Return Reference	Explanation
General Statement 7	<p>PART VI, SECTION B, LINES 15A &amp; 15B POLICIES CABLELABS IS A 501(C)(6) TRADE ASSOCIATION WHOSE PRIMARY OBJECTIVES ARE TO GATHER, ASSESS, AND DISSEMINATE TECHNICAL INFORMATION OF STRATEGIC IMPORTANCE TO THE CABLE TELEVISION INDUSTRY, TO IDENTIFY, PLAN, ENGAGE IN AND FUND THE DEVELOPMENT OF NEW TECHNOLOGIES FOR THE BENEFIT OF THE INDUSTRY, DIRECTLY OR IN PARTNERSHIP WITH OTHERS, AND TO TRANSFER SUCH TECHNOLOGIES TO THE INDUSTRY THROUGH REPORTS, SEMINARS, WORKSHOPS, LICENSES, LOANS OF PERSONNEL AND OTHER APPROPRIATE MEANS THE HIGHLY TECHNICAL AND SPECIALIZED NATURE OF THESE ACTIVITIES REQUIRES CABLELABS TO HIRE HIGHLY EDUCATED AND TRAINED PROFESSIONALS EXPERIENCED IN THE INDUSTRY FROM A VERY COMPETITIVE EMPLOYMENT POOL OFFERING CANDIDATES SIMILAR OPPORTUNITIES AT MARKET SALARIES THE COMPENSATION COMMITTEE OF CABLELABS LOOKS AT THE COMPENSATION OF THE CHIEF EXECUTIVE OFFICER OF ANOTHER INDUSTRY TRADE ASSOCIATION ALONG WITH CERTAIN SENIOR TECHNICAL POSITIONS (E G CHIEF TECHNOLOGY OFFICERS) WITHIN THEIR OWN MEMBER COMPANIES (E G COMCAST OR CHARTER COMMUNICATIONS) WHEN OUR CEO WAS HIRED, THE COMPENSATION COMMITTEE ALSO REVIEWED AN INDUSTRY EXECUTIVE COMPENSATION SURVEY FOR COMPARABLE POSITIONS AND CREATED CONTEMPORANEOUS SUBSTANTIAL DOCUMENTATION OF COMPENSATION IN AN EXECUTED EMPLOYMENT AGREEMENT WHICH WAS ALSO REVIEWED BY THE CHAIRMAN OF THE AUDIT COMMITTEE ANNUAL SALARY INCREASES AND BONUSES, IF APPLICABLE, ARE DETERMINED BY THE COMPENSATION COMMITTEE SALARY INCREASES ARE BASED ON MARKET CONDITIONS AND GENERALLY RANGE BETWEEN 2 AND 3 PERCENT THE CHIEF EXECUTIVE OFFICER DETERMINES THE COMPENSATION OF THE ORGANIZATION'S CHIEF OPERATING OFFICER COMPENSATION FOR THE OTHER OFFICERS AND KEY EMPLOYEES IS SET BY THE CHIEF EXECUTIVE OFFICER, CHIEF OPERATING OFFICER, AND THE VICE PRESIDENT OF FINANCE &amp; HUMAN RESOURCES COMPREHENSIVE SALARY SURVEYS ARE COMPLETED EVERY FEW YEARS IN THE INTERVENING YEARS, SALARY ADJUSTMENTS ARE BASED ON GENERAL MARKET TRENDS AND SURVEYS OF CABLELABS' MEMBER COMPANIES</p>

# 990 Schedule O, Supplemental Information

Return Reference	Explanation
General Statement 8	PART VI, SECTION C, LINE 19 DISCLOSURE CABLELABS DOES NOT MAKE ITS GOVERNING DOCUMENTS, CONFLICT OF INTEREST POLICY, OR FINANCIAL STATEMENTS AVAILABLE TO THE GENERAL PUBLIC

**990 Schedule O, Supplemental Information**

Return Reference	Explanation
FORM 990 PART IX LINE 11G	DESCRIPTION Temporary and Intern Expenses TOTAL FEES 739191

**990 Schedule O, Supplemental Information**

Return Reference	Explanation
FORM 990 PART IX LINE 11G	DESCRIPTION Consultants TOTAL FEES 12603229

SCHEDULE R  
(Form 990)

Department of the Treasury  
Internal Revenue Service

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.▶ Information about Schedule R (Form 990) and its instructions is at [www.irs.gov/form990](http://www.irs.gov/form990).

OMB No 1545-0047

2016

Open to Public Inspection

Name of the organization  
Cable Television Laboratories Inc

Employer identification number  
04-3012897

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) HC ACCELERATOR FUND LLC 2060 BROADWAY STREET STE B1 BOULDER, CO 80302 82-1755934	DEVELOPMENT	DE	0	550,000	CABLELABS

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

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

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

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

(a) Name, address, and EIN of related organization	(b) Primary activity	(c) Legal domicile (state or foreign country)	(d) Direct controlling entity	(e) Type of entity (C corp, S corp, or trust)	(f) Share of total income	(g) Share of end-of- year assets	(h) Percentage ownership	(i) Section 512 (b)(13) controlled entity?	
								Yes	No
<b>(1)</b> NETWORKFX INC 858 COAL CREEK CIRCLE LOUISVILLE, CO 80027 45-4849026	COMPUTER INFRTN	DE	CABLELABS	C Corp	0	4,197,111	100 000 %	Yes	
<b>(2)</b> CABLELABS ASIA LIMITED UNIT 503 5/F TOWER 2 LIPPO CENTRE QUEENSWAY HK 0000000000	TECHNICAL SVCS	HK	CABLELABS	C Corp	0	73,482	100 000 %	Yes	
<b>(3)</b> KYRIO MEDICAL INC 858 COAL CREEK CIRCLE LOUISVILLE, CO 80027 81-1425201	TECHNICAL SVCS	DE	NETWORKFX	C Corp	0	74,461	100 000 %	Yes	
<b>(4)</b> UPRAMP INC 858 COAL CREEK CIRCLE LOUISVILLE, CO 80027 81-1430734	DEVELOPMENT	DE	NETWORKFX	C Corp	0	596,040	100 000 %	Yes	



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

	Yes	No
<b>a</b> Receipt of <b>(i)</b> interest, <b>(ii)</b> annuities, <b>(iii)</b> royalties, or <b>(iv)</b> rent from a controlled entity . . . . .	<b>1a</b> Yes	
<b>b</b> Gift, grant, or capital contribution to related organization(s) . . . . .	<b>1b</b> Yes	
<b>c</b> Gift, grant, or capital contribution from related organization(s) . . . . .	<b>1c</b> Yes	
<b>d</b> Loans or loan guarantees to or for related organization(s) . . . . .	<b>1d</b>	No
<b>e</b> Loans or loan guarantees by related organization(s) . . . . .	<b>1e</b>	No
<b>f</b> Dividends from related organization(s) . . . . .	<b>1f</b>	No
<b>g</b> Sale of assets to related organization(s) . . . . .	<b>1g</b>	No
<b>h</b> Purchase of assets from related organization(s) . . . . .	<b>1h</b>	No
<b>i</b> Exchange of assets with related organization(s) . . . . .	<b>1i</b>	No
<b>j</b> Lease of facilities, equipment, or other assets to related organization(s) . . . . .	<b>1j</b> Yes	
<b>k</b> Lease of facilities, equipment, or other assets from related organization(s) . . . . .	<b>1k</b>	No
<b>l</b> Performance of services or membership or fundraising solicitations for related organization(s) . . . . .	<b>1l</b>	No
<b>m</b> Performance of services or membership or fundraising solicitations by related organization(s) . . . . .	<b>1m</b>	No
<b>n</b> Sharing of facilities, equipment, mailing lists, or other assets with related organization(s) . . . . .	<b>1n</b> Yes	
<b>o</b> Sharing of paid employees with related organization(s) . . . . .	<b>1o</b> Yes	
<b>p</b> Reimbursement paid to related organization(s) for expenses . . . . .	<b>1p</b>	No
<b>q</b> Reimbursement paid by related organization(s) for expenses . . . . .	<b>1q</b> Yes	
<b>r</b> Other transfer of cash or property to related organization(s) . . . . .	<b>1r</b>	No
<b>s</b> Other transfer of cash or property from related organization(s) . . . . .	<b>1s</b>	No

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

(a) Name of related organization	(b) Transaction type (a-s)	(c) Amount involved	(d) Method of determining amount involved
(1) NETWORKFX INC	o	354,789	FMV
(2) NETWORKFX INC	o	158,686	FMV
(3) NETWORKFX INC	o	194,000	FMV
(4) NETWORKFX INC	a(iv)	57,975	FMV
(5) UpRamp Inc	o	417,087	FMV

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

[illegible]

**Part VII**      **Supplemental Information**

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