## DLN: 93493283016240

2018

# OMB No. 1545-0047

# **Return of Organization Exempt From Income Tax**

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

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

► Go to <a href="https://www.irs.gov/Form990">www.irs.gov/Form990</a> for instructions and the latest information.

Open to Public Inspection

A F	or the	2019 с		inning 12-01-2018 $$ , and ending 11-:	30-2019			
	ck if app		C Name of organization VAN ANDEL RESEARCH INSTITUTE	<u> </u>		D Emplo	yer ident	ification number
	dress ch me chan	-				52-200	00823	
	tial retur	_	Doing business as					
		terminated	Number and street (or D.O. hay if	mail is not delivered to abreat address.\ Danne	ita	E Telepho	ne numbe	er
	nended r plication	eturn pending	333 BOSTWICK AVENUE NE	mail is not delivered to street address)   Room/s	suite	(616)	234-500	0
		,		untry, and ZIP or foreign postal code				-
			GRAND RAPIDS, MI 49503			<b>G</b> Gross r	eceipts \$	86,593,892
			F Name and address of princip	pal officer:	H(a) Is	this a group r	eturn for	
			TIMOTHY J MYERS 333 BOSTWICK AVENUE NE			bordinates?		□Yes ☑No
			GRAND RAPIDS, MI 49503		<b>H(b)</b> Are inc	e all subordina :luded?	ites	☐ Yes ☐No
I 1a:	x-exemp	ot status:	<b>☑</b> 501(c)(3) ☐ 501(c)( ) ◀	<b>(</b> (insert no.)				e instructions)
J W	ebsite	:► WW	/W.VAI.ORG		H(c) Gr	oup exemption	n numbe	r ▶
<b>K</b> Forr	n of orga	anization:	Corporation Trust Ass	sociation Other ►	<b>L</b> Year of fo	ormation: 1996	M State	e of legal domicile: MI
P:	art I	Sum	marv					
			scribe the organization's mission	or most significant activities:				
e e	ME.	EDICAL	RESEARCH ORGANIZATION					
anc	=							
Governance	-							
300				liscontinued its operations or disposed of ing body (Part VI, line 1a)		5% of its net	assets.	
	l		-	of the governing body (Part VI, line 1b)			4	-
sec	l		· · · · · · · · · · · · · · · · · · ·	calendar year 2018 (Part V, line 2a)			5	479
Activities &	l		• •	ecessary)			6	16
Ac	7a ⊺	otal unr	elated business revenue from Pa	art VIII, column (C), line 12			7a	1,152,917
	<b>b</b> N	let unrel	ated business taxable income fro	om Form 990-T, line 34			7b	193,705
						Prior Year		Current Year
ā	<b>8</b> C	Contribut	ions and grants (Part VIII, line 11	1)		76,050	,595	74,898,909
Ravenue	l	-	•	g)		1,206	-	1,879,64
ά.	l			lines 3, 4, and 7d )		683		1,317,10
	l		venue (Part VIII, column (A), lines			8,528 86,468		8,264,369 86,360,028
				column (A), lines 1–3)		1,095		2,433,09
	l		paid to or for members (Part IX,			1,055	0	2, 133,03
ç	l			penefits (Part IX, column (A), lines 5-10)		39,942	,174	45,621,39
Expenses	<b>16</b> a P	rofessio	nal fundraising fees (Part IX, col	umn (A), line 11e)			0	
9	<b>b</b> To	otal fundr	raising expenses (Part IX, column (D)	, line 25) ▶1,082,212				
Ð	<b>17</b> 0	ther exp	oenses (Part IX, column (A), lines	s 11a-11d, 11f-24e)		45,167	,491	51,587,23
	18 T	otal exp	enses. Add lines 13–17 (must ed	qual Part IX, column (A), line 25)		86,205	,648	99,641,72
	<b>19</b> R	evenue	less expenses. Subtract line 18 t	from line 12			,235	-13,281,700
Net Assets or Fund Balances					Beginn	ing of Current	Year	End of Year
Set	20 T	otal ass	ets (Part X, line 16)			229,968	,935	274,298,50
¥ B	21 T	otal liab	ilities (Part X, line 26)			299,912	,525	405,586,33
ž.	<b>22</b> N	let asset	s or fund balances. Subtract line	21 from line 20		-69,943	,590	-131,287,83
	rt II		ature Block					
				mined this return, including accompanying te. Declaration of preparer (other than off				
any k	nowled	ge.						
						2020-10-09		
Sign		Signati	ure of officer			Date		_
Here	•	ТІМОТІ	HY J MYERS VICE PRESIDENT & CFO					
		<u>,</u>	r print name and title					
D	J	P	rint/Type preparer's name	Preparer's signature		Check   if	PTIN P0094186	53
Paid	a parer	.   F	irm's name   DELOITTE TAX LLP			self-employed   Firm's EIN ► 86	5-1065772	<u> </u>
	Only	.		ENTED STE 2000				
J3 <del>C</del>	Om)	<b>'</b>  ⁵	irm's address ► 200 RENAISSANCE C	ENTEK STE 3900		Phone no. (313)	396-3000	J
			DETROIT, MI 48243					🗖
			this return with the preparer she duction Act Notice, see the se		C-L N	o. 11282Y	. 🗹	Yes No Form <b>990</b> (2018
	apei VV	JIN NO		pa. acc mod accionos	Cat. N	J. 11∠O∠ I		101111 プラひ(2018

Cat. No. 11282Y

Form	990 (20	018)					Page <b>2</b>
Pa	rt III	Statement	of Program Service	e Accomplis	hments		
		Check if Scheo	lule O contains a resp	onse or note to	any line in this Part III .		🗹
1	Briefly	describe the or	rganization's mission:				
					TITUTE IS AN INDEPENI RENT AND FUTURE GEN		H ORGANIZATION COMMITTED
2	the pri	or Form 990 or	undertake any significa 990-EZ? se new services on Scl		vices during the year wh	nich were not listed on	☐ Yes ☑ No
3	Did the	e organization o		nake significant	changes in how it condu	cts, any program	. □Yes ☑No
4	Section	n 501(c)(3) and		ons are required	to report the amount o	largest program services, as f grants and allocations to otl	
4a	(Code: See Ade	ditional Data	) (Expenses \$	12,457,371	including grants of \$	530,680 ) (Revenue \$	218,058 )
4b	(Code: See Ade	ditional Data	) (Expenses \$	12,490,385	including grants of \$	1,726,966 ) (Revenue \$	103,794 )
4c	(Code:	ditional Data	) (Expenses \$	8,133,555	including grants of \$	155,194 ) (Revenue \$	144,168 )
	(Code:		) (Expenses \$	32,752,691	including grants of \$	20,258 ) (Revenue \$	1,413,626 )
4d	Other (Exper		es (Describe in Sched 32,752,691 inc	ule O.) luding grants of	\$ 20,2	58 ) (Revenue \$	1,413,626 )
4e	Total	program serv	ice expenses ►	65,834,0	02		Form <b>990</b> (2018)

Part IV Checklist of Required Schedules Yes No Is the organization described in section 501(c)(3) or 4947(a)(1) (other than a private foundation)? If "Yes," complete Yes 2 Yes Is the organization required to complete Schedule B, Schedule of Contributors (see instructions)? 💆 . . . Did the organization engage in direct or indirect political campaign activities on behalf of or in opposition to candidates Nο 3 Section 501(c)(3) organizations. Did the organization engage in lobbying activities, or have a section 501(h) election in effect during the tax year? 4 Yes 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? 5 Nο 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? No 6 Did the organization receive or hold a conservation easement, including easements to preserve open space, Νo 7 the environment, historic land areas, or historic structures? If "Yes," complete Schedule D, Part II 🛸 . . . Did the organization maintain collections of works of art, historical treasures, or other similar assets? Nο R 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 Nο 9 Did the organization, directly or through a related organization, hold assets in temporarily restricted endowments, 10 Yes If the organization's answer to any of the following questions is "Yes," then complete Schedule D, Parts VI, VIII, VIII, IX, or X as applicable. a Did the organization report an amount for land, buildings, and equipment in Part X, line 10? Yes 11a b Did the organization report an amount for investments—other securities in Part X, line 12 that is 5% or more of its total Nο 11b assets reported in Part X, line 16? If "Yes," complete Schedule D, Part VII 🕏 . . . . . . . . . c Did the organization report an amount for investments—program related in Part X, line 13 that is 5% or more of its No 11c total assets reported in Part X, line 16? If "Yes," complete Schedule D, Part VIII 💆 . . . . . . . . . . . . . d Did the organization report an amount for other assets in Part X, line 15 that is 5% or more of its total assets reported Yes 11d in Part X, line 16? If "Yes," complete Schedule D, Part IX 🥞 . . . . . . . . . . . . . . . . e Did the organization report an amount for other liabilities in Part X, line 25? If "Yes," complete Schedule D, Part X 🕏 11e Yes Did the organization's separate or consolidated financial statements for the tax year include a footnote that addresses 11f Yes the organization's liability for uncertain tax positions under FIN 48 (ASC 740)? If "Yes," complete Schedule D, Part X 🥦 12a Did the organization obtain separate, independent audited financial statements for the tax year? 12a No b Was the organization included in consolidated, independent audited financial statements for the tax year? 12b Yes If "Yes," and if the organization answered "No" to line 12a, then completing Schedule D, Parts XI and XII is optional 🕏 Is the organization a school described in section 170(b)(1)(A)(ii)? If "Yes," complete Schedule E 13 No 14a Did the organization maintain an office, employees, or agents outside of the United States? . . . 14a Yes 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 14b Yes valued at \$100,000 or more? If "Yes," complete Schedule F, Parts I and IV . . . . . . . . . . . . . Did the organization report on Part IX, column (A), line 3, more than \$5,000 of grants or other assistance to or for any No 15 foreign organization? If "Yes," complete Schedule F, Parts II and IV . . . . . . 🖠 Did the organization report on Part IX, column (A), line 3, more than \$5,000 of aggregate grants or other assistance to No 16 or for foreign individuals? If "Yes," complete Schedule F, Parts III and IV . . . Did the organization report a total of more than \$15,000 of expenses for professional fundraising services on Part IX, No 17 column (A), lines 6 and 11e? If "Yes," complete Schedule G, Part I(see instructions) . . . . Did the organization report more than \$15,000 total of fundraising event gross income and contributions on Part VIII, 18 Yes Did the organization report more than \$15,000 of gross income from gaming activities on Part VIII, line 9a? If "Yes," 19 Nο 20a Did the organization operate one or more hospital facilities? If "Yes," complete Schedule H . . . 20a No b If "Yes" to line 20a, did the organization attach a copy of its audited financial statements to this return? 20b Did the organization report more than \$5,000 of grants or other assistance to any domestic organization or domestic Yes 21 government on Part IX, column (A), line 1? If "Yes," complete Schedule I, Parts I and II . . . . . . Did the organization report more than \$5,000 of grants or other assistance to or for domestic individuals on Part IX, Yes column (A), line 2? If "Yes," complete Schedule I, Parts I and III . . . . . . . . . . . . . . . . .

orm	990 (2018)			Page <b>4</b>
Pai	Checklist of Required Schedules (continued)			
23	Did the organization answer "Yes" to Part VII, Section A, line 3, 4, or 5 about compensation of the organization's current and former officers, directors, trustees, key employees, and highest compensated employees? <i>If "Yes," complete Schedule J</i>	23	<b>Yes</b> Yes	No
24a	Did the organization have a tax-exempt bond issue with an outstanding principal amount of more than \$100,000 as of the last day of the year, that was issued after December 31, 2002? If "Yes," answer lines 24b through 24d and complete Schedule K. If "No," go to line 25a	24a	Yes	
b	Did the organization invest any proceeds of tax-exempt bonds beyond a temporary period exception?	24b		No
	Did the organization maintain an escrow account other than a refunding escrow at any time during the year to defease any tax-exempt bonds?	24c		No
d	Did the organization act as an "on behalf of" issuer for bonds outstanding at any time during the year?	24d		No
25a	Section 501(c)(3), 501(c)(4), and 501(c)(29) organizations.  Did the organization engage in an excess benefit transaction with a disqualified person during the year? If "Yes," complete Schedule L, Part I	25a		No
b	Is the organization aware that it engaged in an excess benefit transaction with a disqualified person in a prior year, and that the transaction has not been reported on any of the organization's prior Forms 990 or 990-EZ?  If "Yes," complete Schedule L, Part I	25b		No
26	Did the organization report any amount on Part X, line 5, 6, or 22 for receivables from or payables to any current or former officers, directors, trustees, key employees, highest compensated employees, or disqualified persons? If "Yes," complete Schedule L, Part II	26		No
27	Did the organization provide a grant or other assistance to an officer, director, trustee, key employee, substantial contributor or employee thereof, a grant selection committee member, or to a 35% controlled entity or family member of any of these persons? If "Yes," complete Schedule L, Part III	27		No
28	Was the organization a party to a business transaction with one of the following parties (see Schedule L, Part IV instructions for applicable filing thresholds, conditions, and exceptions):			
а	A current or former officer, director, trustee, or key employee? If "Yes," complete Schedule L,  Part IV	28a		No
b	A family member of a current or former officer, director, trustee, or key employee? If "Yes," complete Schedule L, Part IV	28b		No
С	An entity of which a current or former officer, director, trustee, or key employee (or a family member thereof) was an officer, director, trustee, or direct or indirect owner? <i>If "Yes," complete Schedule L, Part IV</i>	28c		No
29	Did the organization receive more than \$25,000 in non-cash contributions? If "Yes," complete Schedule M 🛸	29	Yes	
30	Did the organization receive contributions of art, historical treasures, or other similar assets, or qualified conservation contributions? If "Yes," complete Schedule M	30		No
31	Did the organization liquidate, terminate, or dissolve and cease operations? If "Yes," complete Schedule N, Part I .	31		No
32	Did the organization sell, exchange, dispose of, or transfer more than 25% of its net assets? If "Yes," complete Schedule N, Part II	32		No
	Did the organization own 100% of an entity disregarded as separate from the organization under Regulations sections 301.7701-2 and 301.7701-3? If "Yes," complete Schedule R, Part I	33	Yes	
34	Was the organization related to any tax-exempt or taxable entity? If "Yes," complete Schedule R, Part II, III, or IV, and Part V, line 1	34	Yes	
35a	Did the organization have a controlled entity within the meaning of section 512(b)(13)?	35a	Yes	
b	If 'Yes' to line 35a, did the organization receive any payment from or engage in any transaction with a controlled entity within the meaning of section 512(b)(13)? If "Yes," complete Schedule R, Part V, line 2	35b	Yes	
36	Section 501(c)(3) organizations. Did the organization make any transfers to an exempt non-charitable related organization? If "Yes," complete Schedule R, Part V, line 2	36		No
37	Did the organization conduct more than 5% of its activities through an entity that is not a related organization and that is treated as a partnership for federal income tax purposes? If "Yes," complete Schedule R, Part VI	37		No
38	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	38	Yes	
Pa	Statements Regarding Other IRS Filings and Tax Compliance			
	Check if Schedule O contains a response or note to any line in this Part V	· i	Yes	⊔ No
1a	Enter the number reported in Box 3 of Form 1096 Enter -0- if not applicable   1a   123			
b	Enter the number of Forms W-2G included in line 1a. Enter -0- if not applicable . 1b 0			
С	Did the organization comply with backup withholding rules for reportable payments to vendors and reportable gaming (gambling) winnings to prize winners?	1c		

	this return			
b	If at least one is reported on line 2a, did the organization file all required federal employment tax returns?  Note.If the sum of lines 1a and 2a is greater than 250, you may be required to e-file (see instructions)	2b	Yes	
3a	Did the organization have unrelated business gross income of \$1,000 or more during the year?	3a	Yes	
b	If "Yes," has it filed a Form 990-T for this year? If "No" to line 3b, provide an explanation in Schedule O	3b	Yes	
4a	At any time during the calendar year, did the organization have an interest in, or a signature or other authority over, a financial account in a foreign country (such as a bank account, securities account, or other financial account)?	4a		No
Ь	If "Yes," enter the name of the foreign country: ►			

	The time of gaining and fine and office and the state of			
b	If "Yes," has it filed a Form 990-T for this year? If "No" to line 3b, provide an explanation in Schedule O	3b	Yes	
4a	At any time during the calendar year, did the organization have an interest in, or a signature or other authority over, a financial account in a foreign country (such as a bank account, securities account, or other financial account)?	4a		No
b	If "Yes," enter the name of the foreign country:  See instructions for filing requirements for FinCEN Form 114, Report of Foreign Bank and Financial Accounts (FBAR).			
5a	Was the organization a party to a prohibited tax shelter transaction at any time during the tax year?	5a		No
b	Did any taxable party notify the organization that it was or is a party to a prohibited tax shelter transaction?	5b		No
C	If "Yes," to line 5a or 5b, did the organization file Form 8886-T?	5c		

6a

6b

7a

7b

7c

7e

7f

7g

7h

8

9a

9h

12a

13a

14a

14b

15

No

Nο

Form 990 (2018)

7d

10a

10b

11a

11b

12b

13b

13c

Yes

Yes

Nο

Nο

No

No

6a Does the organization have annual gross receipts that are normally greater than \$100,000, and did the organization

If "Yes," did the organization notify the donor of the value of the goods or services provided? . . . . . . . .

e Did the organization receive any funds, directly or indirectly, to pay premiums on a personal benefit contract?

**9a** Did the sponsoring organization make any taxable distributions under section 4966? . . .

a Initiation fees and capital contributions included on Part VIII, line 12 . . .

13 Section 501(c)(29) qualified nonprofit health insurance issuers.

**b** Gross income from other sources (Do not net amounts due or paid to other sources 

**b** If "Yes," enter the amount of tax-exempt interest received or accrued during the year.

a Is the organization licensed to issue qualified health plans in more than one state?

**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 Gross receipts, included on Form 990, Part VIII, line 12, for public use of club facilities

**b** Did the sponsoring organization make a distribution to a donor, donor advisor, or related person? . .

12a Section 4947(a)(1) non-exempt charitable trusts. Is the organization filing Form 990 in lieu of Form 1041?

Note. See the instructions for additional information the organization must report on Schedule O.

14a Did the organization receive any payments for indoor tanning services during the tax year? . . . . .

**b** If "Yes," has it filed a Form 720 to report these payments? If "No," provide an explanation in Schedule O.

Is the organization subject to the section 4960 tax on payment(s) of more than \$1,000,000 in remuneration or excess

parachute payment(s) during the year? If "Yes," see instructions and file Form 4720, Schedule N . . . . .

Is the organization an educational institution subject to the section 4968 excise tax on net investment income?

Did the organization, during the year, pay premiums, directly or indirectly, on a personal benefit contract? . . .

If the organization received a contribution of qualified intellectual property, did the organization file Form 8899 as

h If the organization received a contribution of cars, boats, airplanes, or other vehicles, did the organization file a Form

Did a donor advised fund maintained by the sponsoring organization have excess business holdings at any time during

b If "Yes," did the organization include with every solicitation an express statement that such contributions or gifts were 

Did the organization receive a payment in excess of \$75 made partly as a contribution and partly for goods and services

Did the organization sell, exchange, or otherwise dispose of tangible personal property for which it was required to file

solicit any contributions that were not tax deductible as charitable contributions? . . . .

Organizations that may receive deductible contributions under section 170(c).

**d** If "Yes," indicate the number of Forms 8282 filed during the year . . . .

Sponsoring organizations maintaining donor advised funds.

Section 501(c)(7) organizations. Enter:

11 Section 501(c)(12) organizations. Enter:

Form	990 (2018)			Page <b>6</b>
Pai	Governance, Management, and Disclosure For each "Yes" response to lines 2 through 7b below, and for a "No 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		onse to	ines
Se	ction A. Governing Body and Management			
1a	Enter the number of voting members of the governing body at the end of the tax year 1a 6		Yes	No
	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	Enter the number of voting members included in line 1a, above, who are independent  1b 5			
2	Did any officer, director, trustee, or key employee have a family relationship or a business relationship with any other officer, director, trustee, or key employee?	2	Yes	
3	Did the organization delegate control over management duties customarily performed by or under the direct supervision of officers, directors or trustees, or key employees to a management company or other person? .	3		No
4	Did the organization make any significant changes to its governing documents since the prior Form 990 was filed? .	4		No
5	Did the organization become aware during the year of a significant diversion of the organization's assets? .	5		No
6	Did the organization have members or stockholders?	6		No
	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?	7a	Yes	
b	Are any governance decisions of the organization reserved to (or subject to approval by) members, stockholders, or persons other than the governing body?	<b>7</b> b		No
8	Did the organization contemporaneously document the meetings held or written actions undertaken during the year by the following:	_		
a	The governing body?	8a	Yes	
b	Each committee with authority to act on behalf of the governing body?	8b	Yes	
9	Is there any officer, director, trustee, or key employee listed in Part VII, Section A, who cannot be reached at the organization's mailing address? If "Yes," provide the names and addresses in Schedule O	9	. \	No
<u>Se</u>	ction B. Policies (This Section B requests information about policies not required by the Internal Revenu	<u>∍ Coae</u>	Yes	No
102	Did the organization have local chapters, branches, or affiliates?	10a	163	No
	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?	10a		
11a	Has the organization provided a complete copy of this Form 990 to all members of its governing body before filing the form?	11a	Yes	
b	Describe in Schedule O the process, if any, used by the organization to review this Form 990			
12a	Did the organization have a written conflict of interest policy? If "No," go to line 13	12a	Yes	
b	Were officers, directors, or trustees, and key employees required to disclose annually interests that could give rise to conflicts?	12b	Yes	
С	Did the organization regularly and consistently monitor and enforce compliance with the policy? <i>If "Yes," describe in Schedule O how this was done</i>	12c	Yes	
13	Did the organization have a written whistleblower policy?	13	Yes	
14	Did the organization have a written document retention and destruction policy?	14	Yes	
15	Did the process for determining compensation of the following persons include a review and approval by independent persons, comparability data, and contemporaneous substantiation of the deliberation and decision?			
	The organization's CEO, Executive Director, or top management official	15a	Yes	
b	Other officers or key employees of the organization	15b	Yes	
	If "Yes" to line 15a or 15b, describe the process in Schedule O (see instructions).			
	Did the organization invest in, contribute assets to, or participate in a joint venture or similar arrangement with a taxable entity during the year?	16a		No
b	If "Yes," did the organization follow a written policy or procedure requiring the organization to evaluate its participation in joint venture arrangements under applicable federal tax law, and take steps to safeguard the organization's exempt status with respect to such arrangements?	16b		
Se	ction C. Disclosure	100		
17	List the States with which a copy of this Form 990 is required to be filed▶			
	MI			
18	Section 6104 requires an organization to make its Form 1023 (or 1024-A if applicable), 990, and 990-T (501(c)(3)s only) available for public inspection. Indicate how you made these available. Check all that apply.			
19	Own website Another's website Upon request Other (explain in Schedule O)  Describe in Schedule O whether (and if so, how) the organization made its governing documents, conflict of interest			
20	policy, and financial statements available to the public during the tax year.  State the name, address, and telephone number of the person who possesses the organization's books and records:  TIMOTHY J MYERS VP & CFO 333 BOSTWICK AVENUE NE GRAND RAPIDS, MI 495032518 (616) 234-5368			
	1 1 1 1 1 1	———	orm 99	n (2018)

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

and Independent Contractors										
Check if Schedule O contains a response or note to any line in this Part VII.	 _	_	_	_		_	_	_	_	

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

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

- 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

<b>(A)</b> Name and Title	(B) Average hours per week (list any hours		ne b	ox, ι n of	t ch inle ficei	ss pers	son	(D) Reportable compensation from the organization	(E) Reportable compensation from related organizations	(F) Estimated amount of other compensation from the
	for related organizations below dotted line)	Individual trustee or director	Institutional Trustee	Officer	Key employee	Highest compensated employee	Former	(W- 2/1099- MISC)	(W- 2/1099- MISC)	organization and related organizations
(1) DAVID VAN ANDEL	36.00	Х		х				510,007	0	112,315
CHAIRMAN / CEO	17.00	^		^				310,007	0	112,313
(2) DR GEORGE VANDE WOUDE TRUSTEE	0.00	Х						8,000	0	0
(3) DR JAMES FAHNER TRUSTEE	1.00	Х						8,000	3,000	0
(4) DR MAX WICHA	1.00									
TRUSTEE	0.00	X						8,000	0	0
(5) DR MICHELLE LEBEAU	1.00								_	_
TRUSTEE	0.00	X						7,000	0	0
(6) DR TOM DEMEESTER	1.00	.,								
TRUSTEE	0.00	X						8,000	0	0
(7) DR JANA HALL CHIEF OPERATIONS OFFICER	52.00 1.00			х				457,885	0	110,728
(8) TIMOTHY MYERS	50.00									
V.P. & CHIEF FINANCIAL OFFICER	3.00			Х				334,088	0	85,549
(9) DR PETER JONES	52.00									
CHIEF SCIENTIFIC OFFICER & RES. DIR.	1.00				X			736,084	0	168,951
(10) KATHY VOGELSANG CHIEF INVESTMENT OFFICER	45.00					х		769,994	0	288,450
(11) DR PATRIK BRUNDIN	45.00					· ·		512.004	0	07.507
ASSOCIATE RESEARCH DIRECTOR	0.00					Х		513,904	0	87,587
(12) DR PETER LAIRD	45.00					Х		410.036	0	55,027
INVESTIGATOR	0.00					_ ^		410,026	0	33,027
(13) TED HEILMAN ASSOC DIRECT-SR. PORTFOLIO MGR.	45.00 0.00					x		453,788	0	179,418
(14) DR SCOTT JEWELL DIR. PROGRAM FOR TECHNOLOGIES & CORES	53.00					х		376,114	0	79,166

	990 (2018)					_					_				Page <b>8</b>
Par	t VII Section A. Officers, Direct	1	s, Key ا	Emp			, and	High		-	ate		(conti	•	
	<b>(A)</b> Name and Title	(B) Average hours per week (list any hours for related	than o	one b	ox, i an of tor/t	ot che unles fficer trust		son a	Rep comp fro organiz	(D) cortable censation cm the zation (V) 99-MISC	N-	(E) Reportable compensatior from related organizations (\) 2/1099-MISC	w-	Estima Estima amount c compen from organizat	ated of other sation the
		organizations below dotted line)	Individual trustee or director	Institutional Trustee	Officer	Key employee	Highest compensated employee	Former	2/103		,	2/1055-11150		relat organiza	ed
				_	$\vdash$	+		+-	-				-		
		-	<del></del>	_	$\vdash$	+	+	+							
					<u></u>		<u> </u>		<u> </u>						
						$oxed{\Box}$									
			<u> </u>	<del> </del>	igspace	1	<del> </del>	<u> </u>	<u> </u>				$\perp$		
				_	_	+	+-	+-'	-				+		
			<del></del>	_	$\vdash$	+	+	+-	-				-		
1b 5	Sub-Total		<del></del>	<del></del>		<u>.</u>	<u> </u>	<u>ш</u>	<u> </u>				$\perp$		
	Total from continuation sheets to Pa Total (add lines 1b and 1c)	•					<b>▶</b>		4.	,600,890		3,00	00		1,167,191
2	Total number of individuals (including of reportable compensation from the	g but not limited	to thos			abov-	e) who	) rec	eived mo	ore than	\$10	20,000			
3	Did the organization list any <b>former</b> (	- esisar director	ar truct	l			121/00				d	loves on		Yes	No
	line 1a? If "Yes," complete Schedule 3	,		.ee, r.	• •		• •	31 mg	• •			• •	3		No
4	For any individual listed on line 1a, is organization and related organization individual											the	4	Yes	
5	Did any person listed on line 1a receivervices rendered to the organization						•		-	ation or i	indi	vidual for	5		No
	ction B. Independent Contract				_	_		_			_				
1	Complete this table for your five high from the organization. Report compe	nsation for the c	d indep calendar	ender r year	nt co r enc	ontra ding	actors , with c	that or wit	received thin the c	l more th organiza	nan tior	n's tax year.	npens		
		(A) and business addre	ess									(B) ription of services		(C Comper	nsation
	NS-AMES-KIMBALL CO ONIA AVENUE NW									CONSTR	UCT	TON SERVICES			316,630
GRANI	D RAPIDS, MI 49503 GE LANDEN FIN SVCS INC									EQUIPM	ENT	LEASING	$\dashv$		301,452
1111	OLD EAGLE SCHOOL ROAD										-				
	IE, PA 19087 ROSE CAPITAL ADVISORS LLC									CONSUL	TING	G SERVICES			298,000
MINNE	FLYING CLOUD DR STE 212 EAPOLIS, MN 55344														
	D UNIVERSAL SECURITY  DX 828854									SECURIT	ïY SI	ERVICES			244,634
PHILA	DA 626634 DELPHIA, PA 191828854 RAL EXPRESS							—		SHIPPIN	ig Si	 FRVICES	_		189,276
РО ВО	OX 371461										•				100,-
2 ⊤	BURGH, PA 152512125  Total number of independent contractor compensation from the organization		not lim	nited (	to th	nose	listed	abo	ve) who	received	mo	ore than \$100,00	)0 of		
	Simperisation from the organization	14				—		—			—			Form <b>99</b>	0 (2019)

orm 9	90	(2018)									Page <b>9</b>
Part	VIII										
		Check if Schedul	e O contains :	a respo	nse or note to any	(	A) revenue	(B Relate exer funct reve	ed or npt tion	(C) Unrelated business revenue	(D) Revenue excluded from tax under sections 512 - 514
o s	12	Federated campaig	ns	1a			•		•		
ants	ı	<b>b</b> Membership dues		<b>1</b> b							
Gr.	(	c Fundraising events		1c	163,791						
fts, r A		d Related organizatio	ns	1d	49,750,429						
<u>1</u> 3 €		e Government grants (co	ontributions)	1e	19,234,765						
Contributions, Gifts, Grants and Other Similar Amounts	1	<ul> <li>All other contributions, and similar amounts no above</li> </ul>		1f	5,749,924						
Contributio and Other		· <del>-</del>			719						
<u>ತ ರ</u>	'	<b>h Total.</b> Add lines 1a-	-1f		•		74,898,909				
an					Business	Code	1.0	70.646	726 7	20 1.152.0	17
ken	2a	RESEARCH BILLED REV				541700	1,8,	79,646	726,7	29 1,152,9	17
8	b			_							
ĄĆ	c			_							
₹ 	d			_							
ram	e										
Program Service Revenue		All other program se			1,8	79,646					•
		Total. Add lines 2a-2			<u> </u>	1		1			
		Investment income (insimilar amounts) .			nterest, and other		1,278,111				1,278,111
		Income from investme			ond proceeds						
	<b>5</b> I	Royalties	<u></u>		•		3,464				3,464
	_		(i) Rea	l	(ii) Personal	4					
	ьа	Gross rents	1	11,078							
	b	Less: rental expenses	1	12,161							
	_	Rental income or		-1,083		-					
		(loss)		1,003							
	d	Net rental income of					-1,083				-1,083
	7-	Gross amount	(i) Securit	ies	(ii) Other	4					
	/a	from sales of assets other			101,42	ı					
		than inventory									
	b	Less: cost or other basis and			62,428	3					
	c	sales expenses Gain or (loss)			38,993	3					
		Net gain or (loss) .		•	<b>&gt;</b>	1	38,993				38,993
	8a	Gross income from fu									
Jue		(not including \$ contributions reporte	163,791 ed on line 1c).								
₹ 		See Part IV, line 18		a	10,260						
å		Less: direct expenses		. <b>b</b> [	59,275		40.015				-49,015
Other Revenue		: Net income or (loss) : Gross income from g		_	ents 🕨	1	-49,015	1			-49,013
ŏ	Ja	See Part IV, line 19		es. ]							
				а		1					
		Less: direct expense: Net income or (loss)		b [	inc						
		Gross sales of invent		activiti	es <b>&gt;</b>						
		returns and allowand	ces	J							
				a		4					
		Less: cost of goods s		ь							
-		Net income or (loss)  Miscellaneous		invent	Business Code						
-	11	<sup>a</sup> ALLOCATED ADMIN.			561006	5	8,040,938	}			8,040,938
	b	REIMBURSED EXPEN	ISES	+	900099	9	102,723	:			102,723
	c	:		<del></del>		1					
	d	All other revenue .		<del>  </del>		†	167,342	:			167,342
	е	<b>Total.</b> Add lines 11a	-11d		•		8,311,003				
	12	<b>Total revenue.</b> See	Instructions.						726 755		0.551.15
							86,360,028	1	726,729	1,152,917	9,581,473 Form <b>990</b> (2018)

Part IX Statement of Functional Expenses Section 501(c)(3) and 501(c)(4) organizations must complete all col	lumns. All other orga	nizations must comp	elete column (A).	
Check if Schedule O contains a response or note to any	line in this Part IX	<u> </u>		🗆
Oo not include amounts reported on lines 6b, b, 8b, 9b, and 10b of Part VIII.	(A) Total expenses	(B) Program service expenses	(C) Management and general expenses	<b>(D)</b> Fundraisingexpenses
Grants and other assistance to domestic organizations and domestic governments. See Part IV, line 21	1,494,431	1,494,431		
2 Grants and other assistance to domestic individuals. See Part IV, line 22	938,667	938,667		
3 Grants and other assistance to foreign organizations, foreign governments, and foreign individuals. See Part IV, line 15 and 16.				
4 Benefits paid to or for members				
<b>5</b> Compensation of current officers, directors, trustees, and key employees	2,229,340	767,220	1,462,120	
<b>6</b> Compensation not included above, to disqualified persons (as defined under section $4958(f)(1)$ ) and persons described in section $4958(c)(3)(B)$				
7 Other salaries and wages	34,562,207	22,300,073	11,564,759	697,37
8 Pension plan accruals and contributions (include section 401 (k) and 403(b) employer contributions)	2,894,775	1,842,351	995,005	57,419
9 Other employee benefits	3,817,031	2,444,193	1,321,476	51,36
<b>10</b> Payroll taxes	2,118,041	1,333,127	718,552	66,36
11 Fees for services (non-employees):				
a Management				
<b>b</b> Legal	1,107,317	83,553	1,023,764	
c Accounting	72,791		72,791	
d Lobbying	96,000		96,000	
e Professional fundraising services. See Part IV, line 17				
<b>f</b> Investment management fees				
g Other (If line 11g amount exceeds 10% of line 25, column (A) amount, list line 11g expenses on Schedule O)	2,963,605	2,074,204	883,036	6,36.
.2 Advertising and promotion	853,085	384	717,261	135,44
.3 Office expenses	174,360	50,800	123,486	7-
.4 Information technology	326,053	140,901	176,641	8,51
.5 Royalties	78,255		78,255	
L <b>6</b> Occupancy	2,743,128	2,108,470	632,558	2,10
. <b>7</b> Travel	890,566	627,192	229,258	34,11
L8 Payments of travel or entertainment expenses for any federal, state, or local public officials .				
L9 Conferences, conventions, and meetings	370,209	287,106	77,827	5,27
20 Interest	8,876,844	6,906,334	1,970,510	
21 Payments to affiliates				
22 Depreciation, depletion, and amortization	11,429,828	9,856,751	1,573,077	
23 Insurance	548,635	347,815	200,820	
Other expenses. Itemize expenses not covered above (List miscellaneous expenses in line 24e. If line 24e amount exceeds 10% of line 25, column (A) amount, list line 24e expenses on Schedule O.)				
a FED / STATE INCOME TAX	56,338		56,338	
b LAB SUPPLIES & SERVICES	6,389,206	6,389,206		
c MISCELLANEOUS	5,820,901	39,610	5,768,173	13,118
d EQUIPMENT & SOFTWARE	3,903,931	2,386,071	1,516,635	1,22
e All other expenses	4,886,184	3,415,543	1,467,172	3,469
25 Total functional expenses. Add lines 1 through 24e	99,641,728	65,834,002	32,725,514	1,082,21
<b>Joint costs.</b> Complete this line only if the organization reported in column (B) joint costs from a combined educational campaign and fundraising solicitation.	-	·	· · · · · ·	
Check here if following SOP 98-2 (ASC 958-720)				

Form 990 (2018)

Page **11** 

91,688,848

-131,287,835

274,298,502

Form **990** (2018)

24

25

34

45,410,534

229,968,935

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

		Beginning of year		End of year
1	Cash-non-interest-bearing		1	
2	Savings and temporary cash investments	8,076,049	2	5,389,037

24

25

34

Unsecured notes and loans payable to unrelated third parties

Total liabilities and net assets/fund balances

Other liabilities (including federal income tax, payables to related third parties,

	2	Savings and temporary cash investments		[	8,076,049	2	5,389,037		
	3	Pledges and grants receivable, net	4,270,243	3	5,035,192				
	4	Accounts receivable, net	3,969,006	4	3,713,866				
S	5	Loans and other receivables from current and fo trustees, key employees, and highest compensa Part II of Schedule L		5					
	6	Loans and other receivables from other disqualif section 4958(f)(1)), persons described in section contributing employers and sponsoring organization voluntary employees' beneficiary organizations (Part II of Schedule L	B(c)(3)(B), and of section 501(c)(9) ostructions) Complete	1,697,944	6	1.565,997			
sset	,	,	, ,		, ,				
3	8	Inventories for sale or use		•	157,198	8	261,785		
^	9	Prepaid expenses and deferred charges			1,544,611	9	1,722,950		
	10a	Land, buildings, and equipment: cost or other basis. Complete Part VI of Schedule D	10a	298,715,514					
	b	Less: accumulated depreciation	10b	119,876,692	183,460,299	10c	178,838,822		
	11	Investments—publicly traded securities .				11			
	12	Investments—other securities. See Part IV, line	11 .		7,153,585	12	6,450,853		
	13	Investments-program-related. See Part IV, line	11 .			13			

	14	Intangible assets		14	
	15	Other assets. See Part IV, line 11	19,640,000	15	71,320,000
	16	Total assets.Add lines 1 through 15 (must equal line 34)	229,968,935	16	274,298,502
	17	Accounts payable and accrued expenses	32,511,690	17	90,870,304
	18	Grants payable		18	
	19	Deferred revenue	2,256,713	19	3,282,648
	20	Tax-exempt bond liabilities	219,733,588	20	219,744,537
S	21	Escrow or custodial account liability. Complete Part IV of Schedule D		21	
Liabilities	22	Loans and other payables to current and former officers, directors, trustees, key employees, highest compensated employees, and disqualified			
e E		persons. Complete Part II of Schedule L		22	
	23	Secured mortgages and notes payable to unrelated third parties		23	

	23	and other liabilities not included on lines 17 - 24). Complete Part X of Schedule D			
	26	<b>Total liabilities.</b> Add lines 17 through 25	299,912,525	26	405,586,337
lances	27	Organizations that follow SFAS 117 (ASC 958), check here ▶ ☑ and complete lines 27 through 29, and lines 33 and 34.  Unrestricted net assets	-74,444,439	27	-137.956,356
3aાટ	28	Temporarily restricted net assets	3,867,142	28	5,934,614

Balances	27	Organizations that follow SFAS 117 (ASC 958), check here ▶ ☑ and complete lines 27 through 29, and lines 33 and 34.  Unrestricted net assets	-74,444,439	27	-137,956,356
3ale	28	Temporarily restricted net assets	3,867,142	28	5,934,614
	29	Permanently restricted net assets	633,707	29	733,907
s or Fund	30	Organizations that do not follow SFAS 117 (ASC 958),  check here ▶ □ and complete lines 30 through 34.  Capital stock or trust principal, or current funds		30	
sets	31	Paid-in or capital surplus, or land, building or equipment fund		31	
As	32	Retained earnings, endowment, accumulated income, or other funds		32	
Net	33	Total net assets or fund balances	-69,943,590	33	-131,287,83
Z	24	Total liabilities and not accets/fund halances	220 068 035	24	274 208 50

3a

3b

Yes

Yes (2018)

3a As a result of a federal award, was the organization required to undergo an audit or audits as set forth in the Single

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.

Audit Act and OMB Circular A-133?

## **Additional Data**

### Software ID:

Software Version:

**EIN:** 52-2000823

Name: VAN ANDEL RESEARCH INSTITUTE

### Form 990 (2018)

Form 990, Part III, Line 4a:

CENTER FOR CANCER AND CELL BIOLOGY SCHEDULE O PROVIDES FURTHER INFORMATION REGARDING THIS PROGRAM'S ACCOMPLISHMENTS.

#### Form 990, Part III, Line 4b: CENTER FOR EPIGENETICSSCHEDULE O PROVIDES FURTHER INFORMATION REGARDING THIS PROGRAM'S ACCOMPLISHMENTS.

Form 990, Part III, Line 4c:

CENTER FOR NEURODEGENERATIVE SCIENCESEE SCHEDULE O FOR FURTHER INFORMATION ABOUT THIS PROGRAM'S ACCOMPLISHMENTS.

erne	GKAP	HIC Prin	it - DO NOT	PROCESS	As Filed Data -			DLN: 9	3493283016240
СНЕ	EDU	ILE A		Public (	Charity Statu	s and Put	olic Supp	ort -	OMB No. 1545-0047
orm 0EZ	990 (	or	Comp		ganization is a sect 4947(a)(1) nonexe Attach to Form	ion 501(c)(3) c mpt charitable	organization or trust.		2018
		e Treasury		► Go to	www.irs.gov/Forms				Open to Public Inspection
me o	of the	Service L organizat EARCH INST						Employer identific	
								52-2000823	
art					<b>us</b> (All organization it is: (For lines 1 thro			See instructions.	
σιgα			•		sociation of churches	•		(A)(i).	
. r	_	·		ŕ	1)(A)(ii). (Attach Sch			(-)(-)	
	_				/ice organization descr	,	, ,	iii).	
· E	_ <b>√</b> A	medical r	esearch organi	zation operate	ed in conjunction with LTH GRAND RAPIDS	a hospital descri		•	nter the hospital's
	A	n organiza		for the benefit	t of a college or univer		perated by a gov	ernmental unit descri	bed in <b>section 170</b>
	_				governmental unit de	scribed in <b>sectio</b>	on 170(b)(1)(A	\)(v).	
· [			ition that norm <b>0(b)(1)(A)(v</b>		a substantial part of it Part II.)	s support from a	governmental u	ınit or from the gener	al public described ir
	A	communi	ty trust describ	ed in <b>section</b>	170(b)(1)(A)(vi).	(Complete Part I	I.)		
	□ A n	n agricultu Ion-land gr	ıral research o ant college of	rganization de agriculture. Se	escribed in <b>170(b)(1)</b> ee instructions. Enter	<b>(A)(ix)</b> operated the name, city, a	d in conjunction and state of the o	with a land-grant coll college or university:	ege or university or
	fi ir	rom activit nvestment	ies related to i income and ur	ts éxempt fun hrelated busin	(1) more than 331/3% ctions—subject to cert ess taxable income (le mplete Part III.)	tain exceptions, a	and (2) no more	than 331/3% of its su	upport from gross
					exclusively to test for	r public safety. S	ee section 509	(a)(4).	
	n	nore public	ly supported o	rganizations o	l exclusively for the be described in <b>section 5</b> the type of supporting	09(a)(1) or sec	tion 509(a)(2	). See section 509(a	
	T	<b>ype I.</b> A s organization	upporting orga	anization opera to regularly a	ated, supervised, or co appoint or elect a majo	ontrolled by its s	upported organiz	zation(s), typically by	
	n	nanagemei		rting organiza	ervised or controlled in ation vested in the san and C.				
					supporting organization				ited with, its
	<b>T</b>	ype III n unctionally	on-functional integrated. Th	Ily integrated le organization	ons). <b>You must com</b> d. A supporting organi n generally must satis t <b>IV, Sections A and</b>	zation operated i fy a distribution i	in connection wi	th its supported organ	
		Check this I	oox if the orga	nization receiv	ed a written determir integrated supporting	ation from the If	RS that it is a Ty	pe I, Type II, Type II	I functionally
Eı						-		<u> </u>	
					pported organization(			-	
(		me of supp rganization		(ii) EIN	(iii) Type of organization (described on lines 1- 10 above (see instructions))	(iv) Is the orgain your govern		(v) Amount of monetary support (see instructions)	(vi) Amount of other support (se instructions)
						Yes	No		
tal									
	erwo	rk Reduct	tion Act Notic	e, see the Ir	structions for	Cat. No. 11285	iF s	Schedule A (Form 9	90 or 990-EZ) 201

Page 2

(b)(1)(A)(ix)  (Complete only if you checked the box on line F. 7. 9, or 0 of Part I or if the organization failed to qualify upon								
(Complete only if you checked the box on line 5, 7, 8, or 9 of Part I or if the organization failed to qualify under Part III. If the organization fails to qualify under the tests listed below, please complete Part III.)								
Section A. Public Support	Section A. Public Support							
Calendar year (or fiscal year beginning in) (a) 2014 (b) 2015 (c) 2016 (d) 2017 (e) 2018 (f) Total								

S	ection A. Public Support						
	Calendar year	(a) 2014	<b>(b)</b> 2015	(c) 2016	(d) 2017	(e) 2018	(f) Total
	(or fiscal year beginning in) ▶	(a) 2014	(b) 2015	(6) 2016	(u) 2017	(e) 2018	(I) Total
1	Gifts, grants, contributions, and						
	membership fees received. (Do not						
	include any "unusual grant.")						
2	Tax revenues levied for the						
	organization's benefit and either paid						
	to or expended on its behalf						
3	The value of services or facilities						
	furnished by a governmental unit to						
	the organization without charge						
4	<b>Total.</b> Add lines 1 through 3						
5	The portion of total contributions by						
•	each person (other than a						
	governmental unit or publicly						
	supported organization) included on						
	line 1 that exceeds 2% of the amount						
	shown on line 11, column (f).						
6	Public support. Subtract line 5 from						
0	line 4.						
_	ection B. Total Support				l		L
	Calendar year					1	1
	(or fiscal year beginning in) ▶	<b>(a)</b> 2014	<b>(b)</b> 2015	<b>(c)</b> 2016	(d)2017	<b>(e)</b> 2018	(f)Total
7	Amounts from line 4						
8	Gross income from interest,						
0	dividends, payments received on						
	securities loans, rents, royalties and						
	income from similar sources.						
9	Net income from unrelated business						
9	activities, whether or not the						
	business is regularly carried on						
10	Other income. Do not include gain or						
10	loss from the sale of capital assets						
	(Explain in Part VI.).						
11	<b>Total support.</b> Add lines 7 through						
	10						
12	Gross receipts from related activities, e	tc. (see instruction	ons)			12	- L
	First five years. If the Form 990 is for						
13		_			•	. , , ,	-
	check this box and <b>stop here</b>					<u> ▶</u>	
	ection C. Computation of Public						
14	Public support percentage for 2018 (line	e 6, column (f) di	vided by line 11, c	olumn (f))		14	
15	Public support percentage for 2017 Sch	edule A, Part II, l	ine 14			15	
16:	33 1/3% support test—2018. If the	organization did r	not check the box	on line 13, and lin	e 14 is 33 1/3% o	r more, check thi	s box
	and <b>stop here.</b> The organization qualif						
L	33 1/3% support test—2017. If the						
L	• •	-					
	box and <b>stop here.</b> The organization	qualifies as a pub	licly supported org	janization	- 12 16 16-		▶ ⊔
17a	10%-facts-and-circumstances test-						
	is 10% or more, and if the organization						
	in Part VI how the organization meets t	ne racts-and-circ	cumstances test.	ine organization (	quanties as a publ	iciy supported	_
	organization						▶ 📙
b	10%-facts-and-circumstances test						
	15 is 10% or more, and if the organiza						
	Explain in Part VI how the organization	n meets the "facts	s-and-circumstanc	es" test. The orga	nization qualifies	as a publicly	_

18 Private foundation. If the organization did not check a box on line 13, 16a, 16b, 17a, or 17b, check this box and see

Sche	dule A (Form 990 or 990-EZ) 2018						Page <b>3</b>
Р	Support Schedule for						
	(Complete only if you c						ınder Part II. If
	the organization fails to	qualify under t	the tests listed	below, please co	omplete Part II.	)	
Se	ection A. Public Support		<b>-</b>	T	T		1
	Calendar year	(a) 2014	<b>(b)</b> 2015	(c) 2016	(d) 2017	(e) 2018	(f) Total
	(or fiscal year beginning in) ► Gifts, grants, contributions, and	• • •	, ,	, ,		<u> </u>	
1	membership fees received. (Do not						
	include any "unusual grants.") .						
2	Gross receipts from admissions,						
	merchandise sold or services						
	performed, or facilities furnished in						
	any activity that is related to the						
	organization's tax-exempt purpose						
3	Gross receipts from activities that are						
	not an unrelated trade or business under section 513						
4	Tax revenues levied for the						
-	organization's benefit and either paid						
	to or expended on its behalf						
5	The value of services or facilities						
	furnished by a governmental unit to						
	the organization without charge						
6	<b>Total.</b> Add lines 1 through 5						
7a	Amounts included on lines 1, 2, and						
	3 received from disqualified persons					-	
b	Amounts included on lines 2 and 3 received from other than disqualified						
	persons that exceed the greater of						
	\$5,000 or 1% of the amount on line						
	13 for the year.						
С	Add lines 7a and 7b						
8	Public support. (Subtract line 7c						
	from line 6.)						
Se	ection B. Total Support						
	Calendar year	(a) 2014	<b>(b)</b> 2015	(c) 2016	(d) 2017	(e) 2018	(f) Total
	(or fiscal year beginning in) ▶	(4) 2011	(5) 2013	(6) 2010	(4) 2017	(0) 2010	(1) 10001
9	Amounts from line 6						
L0a	Gross income from interest,						
	dividends, payments received on						
	securities loans, rents, royalties and income from similar sources.						
b	Unrelated business taxable income						
_	(less section 511 taxes) from						
	businesses acquired after June 30,						
	1975.						
C	Add lines 10a and 10b.						
11	Net income from unrelated business						
	activities not included in line 10b,						
	whether or not the business is regularly carried on.						
12							
	loss from the sale of capital assets						
	(Explain in Part VI.)						
13	Total support. (Add lines 9, 10c,						
	11, and 12.)		1-6:	Lind formal CC	<u> </u>	 	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
14	First five years. If the Form 990 is fo						
	check this box and <b>stop here</b>						<u> ▶ ⊔</u>
Se	ection C. Computation of Public						
15	Public support percentage for 2018 (lin	ne 8, column (f) d	ivided by line 13,	column (f))		15	
16	Public support percentage from 2017 S	Schedule A, Part II	II, line 15			16	
	ection D. Computation of Invest						
17	Investment income percentage for 20:			line 13 column (f	·))	17	
		-		•			
18	Investment income percentage from 2					18	I Italia a markania
	<b>331/3% support tests—2018.</b> If the						
	more than 33 1/3%, check this box and						
	33 1/3% support tests—2017. If the						
	not more than 33 1/3%, check this box	and <b>stop here.</b>	The organization	qualifies as a publ	icly supported org	ganization	▶□
20	Private foundation If the organization	•	-			•	►□

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

Section A. All Supporting Organizations Yes No Are all of the organization's supported organizations listed by name in the organization's governing documents? 1

If "No," describe in Part VI how the supported organizations are designated. If designated by class or purpose, describe the designation. If historic and continuing relationship, explain. Did the organization have any supported organization that does not have an IRS determination of status under section 509

1 (a)(1) or (2)? If "Yes," explain in Part VI how the organization determined that the supported organization was described in section 509(a)(1) or (2).

2 Did the organization have a supported organization described in section 501(c)(4), (5), or (6)? If "Yes," answer (b) and (c) below. 3a Did the organization confirm that each supported organization qualified under section 501(c)(4), (5), or (6) and satisfied the public support tests under section 509(a)(2)? If "Yes," describe in Part VI when and how the organization made the determination. 3b

Did the organization ensure that all support to such organizations was used exclusively for section 170(c)(2)(B) purposes? If "Yes," explain in Part VI what controls the organization put in place to ensure such use. Was any supported organization not organized in the United States ("foreign supported organization")? If "Yes" and if you

3с checked 12a or 12b in Part I, answer (b) and (c) below. 4a Did the organization have ultimate control and discretion in deciding whether to make grants to the foreign supported organization? If "Yes," describe in Part VI how the organization had such control and discretion despite being controlled or 4b supervised by or in connection with its supported organizations.

Did the organization support any foreign supported organization that does not have an IRS determination under sections 501(c)(3) and 509(a)(1) or (2)? If "Yes," explain in Part VI what controls the organization used to ensure that all support to the foreign supported organization was used exclusively for section 170(c)(2)(B) purposes. 4c Did the organization add, substitute, or remove any supported organizations during the tax year? If "Yes," answer (b) and

(c) below (if applicable). Also, provide detail in Part VI, including (i) the names and EIN numbers of the supported organizations added, substituted, or removed; (ii) the reasons for each such action; (iii) the authority under the organization's organizing document authorizing such action; and (iv) how the action was accomplished (such as by 5a amendment to the organizing document). Type I or Type II only. Was any added or substituted supported organization part of a class already designated in the 5b

organization's organizing document? 5c Substitutions only. Was the substitution the result of an event beyond the organization's control?

Did the organization provide support (whether in the form of grants or the provision of services or facilities) to anyone other than (i) its supported organizations. (ii) individuals that are part of the charitable class benefited by one or more of its supported organizations, or (iii) other supporting organizations that also support or benefit one or more of the filing

6 organization's supported organizations? If "Yes," provide detail in Part VI. 6 7

Did the organization provide a grant, loan, compensation, or other similar payment to a substantial contributor (defined in section 4958(c)(3)(C)), a family member of a substantial contributor, or a 35% controlled entity with regard to a

substantial contributor? If "Yes," complete Part I of Schedule L (Form 990 or 990-EZ). Did the organization make a loan to a disqualified person (as defined in section 4958) not described in line 7? If "Yes,"

7 complete Part I of Schedule L (Form 990 or 990-EZ). 8

8 Was the organization controlled directly or indirectly at any time during the tax year by one or more disqualified persons as defined in section 4946 (other than foundation managers and organizations described in section 509(a)(1) or (2))? If "Yes,"

provide detail in Part VI.

9a Did one or more disqualified persons (as defined in line 9a) hold a controlling interest in any entity in which the supporting

organization had an interest? If "Yes," provide detail in Part VI.

9b

Did a disqualified person (as defined in line 9a) have an ownership interest in, or derive any personal benefit from, assets in

which the supporting organization also had an interest? If "Yes," provide detail in Part VI. 9c

Was the organization subject to the excess business holdings rules of section 4943 because of section 4943(f) (regarding

10a certain Type II supporting organizations, and all Type III non-functionally integrated supporting organizations)? If "Yes,"

answer line 10b below. 10a Did the organization have any excess business holdings in the tax year? (Use Schedule C, Form 4720, to determine whether the organization had excess business holdings). 10b

Schedule A (Form 990 or 990-EZ) 2018

	leddie A (Point 990 01 990-EZ) 2016		- F	age 3
₽}	Supporting Organizations (continued)			
			Yes	No
	Has the organization accepted a gift or contribution from any of the following persons?	<u> </u>		<u> </u>
а	A person who directly or indirectly controls, either alone or together with persons described in (b) and (c) below, the governing body of a supported organization?			
	governing body of a supported organization:	11a		
b	A family member of a person described in (a) above?	11b		
	A 35% controlled entity of a person described in (a) or (b) above? If "Yes" to a, b, or c, provide detail in Part VI.	<b>11</b> c		
S	Section B. Type I Supporting Organizations			
			Yes	No
1	Did the directors, trustees, or membership of one or more supported organizations have the power to regularly appoint or elect at least a majority of the organization's directors or trustees at all times during the tax year? If "No," describe in <b>Part VI</b> how the supported organization(s) effectively operated, supervised, or controlled the organization's activities. If the organization had more than one supported organization, describe how the powers to appoint and/or remove directors or trustees were allocated among the supported organizations and what conditions or restrictions, if any, applied to such powers during the tax year.	1		
2	Did the organization operate for the benefit of any supported organization other than the supported organization(s) that operated, supervised, or controlled the supporting organization? If "Yes," explain in <b>Part VI</b> how providing such benefit carried out the purposes of the supported organization(s) that operated, supervised or controlled the supporting	2		
	organization.	-		ĺ
S	Section C. Type II Supporting Organizations			
			Yes	No
1	Were a majority of the organization's directors or trustees during the tax year also a majority of the directors or trustees of each of the organization's supported organization(s)? If "No," describe in <b>Part VI</b> how control or management of the supporting organization was vested in the same persons that controlled or managed the supported organization(s).	1		
_	Section D. All Type III Supporting Organizations		<u> </u>	
	,,, = === ==,,, ======================		Yes	No
1	Did the organization provide to each of its supported organizations, by the last day of the fifth month of the organization's tax year, (i) a written notice describing the type and amount of support provided during the prior tax year, (ii) a copy of the Form 990 that was most recently filed as of the date of notification, and (iii) copies of the organization's governing documents in effect on the date of notification, to the extent not previously provided?			
		1		
2	Were any of the organization's officers, directors, or trustees either (i) appointed or elected by the supported organization (s) or (ii) serving on the governing body of a supported organization? If "No," explain in <b>Part VI</b> how the organization maintained a close and continuous working relationship with the supported organization(s).			
		2		
3	By reason of the relationship described in (2), did the organization's supported organizations have a significant voice in the organization's investment policies and in directing the use of the organization's income or assets at all times during the tax year? If "Yes," describe in <b>Part VI</b> the role the organization's supported organizations played in this regard.	3		
_	Section E. Type III Functionally-Integrated Supporting Organizations		<u> </u>	
1	Check the box next to the method that the organization used to satisfy the Integral Part Test during the year (see instruct)	ions):		
_	a  The organization satisfied the Activities Test. Complete <b>line 2</b> below.	00		
	b  The organization is the parent of each of its supported organizations. Complete <b>line 3</b> below.			
	The organization supported a governmental entity. Describe in <b>Part VI</b> how you supported a government entity (see	instru	ctions)	
2	Activities Test. <b>Answer (a) and (b) below.</b>		Yes	No
	a Did substantially all of the organization's activities during the tax year directly further the exempt purposes of the supported organization(s) to which the organization was responsive? If "Yes," then in <b>Part VI identify those supported organizations and explain</b> how these activities directly furthered their exempt purposes, how the organization was responsive to those supported organizations, and how the organization determined that these activities constituted substantially all of its activities.	2a		
	<b>b</b> Did the activities described in (a) constitute activities that, but for the organization's involvement, one or more of the organization's supported organization(s) would have been engaged in? If "Yes," explain in <b>Part VI</b> the reasons for the organization's position that its supported organization(s) would have engaged in these activities but for the organization's			
	involvement.	2b		<u> </u>
3	Parent of Supported Organizations. <b>Answer (a) and (b) below.</b>	<u> </u>		<u> </u>
	a Did the organization have the power to regularly appoint or elect a majority of the officers, directors, or trustees of each of the supported organizations? <i>Provide details in Part VI.</i>	3a		
	<b>b</b> Did the organization exercise a substantial degree of direction over the policies, programs and activities of each of its supported organizations? <i>If "Yes," describe in Part VI.</i> the role played by the organization in this regard.	3h		_

Par	t V Type III Non-Functionally Integrated 509(a)(3) Supporting O	rgani	zations	
1	Check here if the organization satisfied the Integral Part Test as a qualifying truinstructions. All other Type III non-functionally integrated supporting organizations.			
	Section A - Adjusted Net Income		(A) Prior Year	(B) Current Year (optional)
1	Net short-term capital gain	1		
2	Recoveries of prior-year distributions	2		
3	Other gross income (see instructions)	3		
4	Add lines 1 through 3	4		
5	Depreciation and depletion	5		
6	Portion of operating expenses paid or incurred for production or collection of gross income or for management, conservation, or maintenance of property held for production of income (see instructions)	6		
7	Other expenses (see instructions)	7		
8	Adjusted Net Income (subtract lines 5, 6 and 7 from line 4)	8		
	Section B - Minimum Asset Amount		(A) Prior Year	(B) Current Year (optional)
1	Aggregate fair market value of all non-exempt-use assets (see instructions for short tax year or assets held for part of year):	1		
а	Average monthly value of securities	1a		
b	Average monthly cash balances	<b>1</b> b		
С	Fair market value of other non-exempt-use assets	1c		
d	Total (add lines 1a, 1b, and 1c)	1d		
e	<b>Discount</b> claimed for blockage or other factors (explain in detail in Part VI):			
2	Acquisition indebtedness applicable to non-exempt use assets	2		
3	Subtract line 2 from line 1d	3		
4	Cash deemed held for exempt use. Enter $1-1/2\%$ of line 3 (for greater amount, see instructions).	4		
5	Net value of non-exempt-use assets (subtract line 4 from line 3)	5		
6	Multiply line 5 by .035	6		
7	Recoveries of prior-year distributions	7		
8	Minimum Asset Amount (add line 7 to line 6)	8		
	Section C - Distributable Amount			Current Year
1	Adjusted net income for prior year (from Section A, line 8, Column A)	1		
2	Enter 85% of line 1	2		
3	Minimum asset amount for prior year (from Section B, line 8, Column A)	3		
4	Enter greater of line 2 or line 3	4		
5	Income tax imposed in prior year	5		
6	<b>Distributable Amount.</b> Subtract line 5 from line 4, unless subject to emergency temporary reduction (see instructions)	6		
7	Check here if the current year is the organization's first as a non-functionally-in instructions)	ntegrate	ed Type III supporting o	rganization (see

Page **6** 

Schedule A (Form 990 or 990-EZ) (2018)

b Applied to 2018 distributable amount
c Remainder. Subtract lines 4a and 4b from 4.
5 Remaining underdistributions for years prior to 2018, if any. Subtract lines 3g and 4a from line 2. If the amount is greater than zero, explain in Part VI.

**a** Excess from 2014. . . . . **b** Excess from 2015. . . . . **c** Excess from 2016. . . . .

Remaining underdistributions for 2018. Subtract lines 3h and 4b from line 1. If the amount is greater than zero, explain in Part VI. See instructions.
 Excess distributions carryover to 2019. Add lines

See instructions.

d Excess from 2017.e Excess from 2018.

3j and 4c.

8 Breakdown of line 7:

## **Additional Data**

# Software ID: Software Version:

**EIN:** 52-2000823

Name: VAN ANDEL RESEARCH INSTITUTE

Schedule A (Form 990 or 990-EZ) 2018

Part VI

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

instructions).

Facts And Circumstances Test

efile GRAPHIC print - DO NOT PROCESS As Filed Data -

# **Political Campaign and Lobbying Activities**

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

OMB No. 1545-0047

DLN: 93493283016240

Open to Public Inspection

Department of the Treasury Internal Revenue Service

EZ)

SCHEDULE C (Form 990 or 990-

▶Complete if the organization is described below. ▶Attach to Form 990 or Form 990-EZ.

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

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 **Employer identification number** VAN ANDEL RESEARCH INSTITUTE 52-2000823 Complete if the organization is exempt under section 501(c) or is a section 527 organization. Part I-A 1 Provide a description of the organization's direct and indirect political campaign activities in Part IV (see instructions for definition of "political campaign activities") Political campaign activity expenditures (see instructions) ...... 2 3 Volunteer hours for political campaign activities (see instructions) ...... Complete if the organization is exempt under section 501(c)(3). Enter the amount of any excise tax incurred by the organization under section 4955 ..... 1 2 Enter the amount of any excise tax incurred by organization managers under section 4955 ...... If the organization incurred a section 4955 tax, did it file Form 4720 for this year? ..... 3 ☐ Yes ☐ No Was a correction made? 4a ☐ Yes ☐ No If "Yes," describe in Part IV. Complete if the organization is exempt under section 501(c), except section 501(c)(3). Part I-C Enter the amount directly expended by the filing organization for section 527 exempt function activities ..... 1 2 Enter the amount of the filing organization's funds contributed to other organizations for section 527 exempt function activities 3 Total exempt function expenditures. Add lines 1 and 2. Enter here and on Form 1120-POL, line 17b......... Did the filing organization file Form 1120-POL for this year? 5 Enter the names, addresses and employer identification number (EIN) of all section 527 political organizations to which the filing organization made payments. For each organization listed, enter the amount paid from the filing organization's funds. Also enter the amount of political contributions received that were promptly and directly delivered to a separate political organization, such as a separate segregated fund or a political action committee (PAC). If additional space is needed, provide information in Part IV.

(a) Name	(b) Address	(c) EIN	(d) Amount paid from filing organization's funds. If none, enter -0	(e) Amount of political contributions received and promptly and directly delivered to a separate political organization. If none, enter -0
1				
2				
3				
4				
5				
6				
For Paperwork Reduction Act Notice, see	the instructions for Form 990 or 990-EZ.	Cat.	No. 50084S Schedule C (	Form 990 or 990-EZ) 2018

Total lobbying expenditures

Grassroots ceiling amount

Grassroots nontaxable amount

(150% of line 2d, column (e))

Grassroots lobbying expenditures

d

Page 2

	expenses, and share of excess lobbying (	expenditures).				
В	Check ▶ ☐ if the filing organization checked box A	and "limited control" p	ovisions apply.			
	Limits on Lobbying (The term "expenditures" means a		rred.)		a) Filing anization's totals	<b>(b)</b> Affiliated group totals
1a	Total lobbying expenditures to influence public opinion	(grass roots lobbying)				
b	Total lobbying expenditures to influence a legislative b	ody (direct lobbying) .			96,000	
С	Total lobbying expenditures (add lines 1a and 1b)				96,000	
d	Other exempt purpose expenditures				99,545,729	
e	Total exempt purpose expenditures (add lines 1c and	1d)			99,641,729	
f	Lobbying nontaxable amount. Enter the amount from columns.	the following table in b	oth		1,000,000	
	If the amount on line 1e, column (a) or (b) is:	he lobbying nontaxa	ble amount is:			
	Not over \$500,000 2	0% of the amount on line	1e.	i		
	Over \$500,000 but not over \$1,000,000 \$	100,000 plus 15% of the e	excess over \$500,00	0.		
	Over \$1,000,000 but not over \$1,500,000 \$	175,000 plus 10% of the e	excess over \$1,000,0	000.		
	Over \$1,500,000 but not over \$17,000,000 \$	225,000 plus 5% of the ex	cess over \$1,500,00	00.		
	Over \$17,000,000 \$	1,000,000.				
g h i	Grassroots nontaxable amount (enter 25% of line 1f) Subtract line 1g from line 1a. If zero or less, enter -0- Subtract line 1f from line 1c. If zero or less, enter -0				250,000 0 0	
j	If there is an amount other than zero on either line 1h section 4911 tax for this year?				□	Yes 🗌 No
	4-Year Ave (Some organizations that made a so columns below. See th		tion do not ha	ave to comple		ive
	Lobbying Exper	nditures During 4-	Year Averagir	ng Period		
	Calendar year (or fiscal year beginning in)	(a) 2015	<b>(b)</b> 2016	(c) 2017	(d) 2018	(e) Total
2a	Lobbying nontaxable amount	1,000,000	1,000,000	1,000,000	1,000,000	4,000,000
b	Lobbying ceiling amount (150% of line 2a, column(e))					6,000,000

238,376

250,000

96,000

250,000

96,000

250,000

96,000

250,000

Schedule C (Form 990 or 990-EZ) 2018

526,376

1,000,000

1,500,000

UI E	ch "Yes" response on lines 1a through 1i below, provide in Part IV a detailed description of the lobbying	(a	)(	(b)
ectivit	, , , , , , , , , , , , , , , , , , , ,	Yes	No	Amount
1	During the year, did the filing organization attempt to influence foreign, national, state or local legislation, including any attempt to influence public opinion on a legislative matter or referendum, through the use of:			
а	Volunteers?			
b	Paid staff or management (include compensation in expenses reported on lines 1c through 1i)?			
С	Media advertisements?			
d	Mailings to members, legislators, or the public?			
е	Publications, or published or broadcast statements?			
f	Grants to other organizations for lobbying purposes?			
g	Direct contact with legislators, their staffs, government officials, or a legislative body?			
h	Rallies, demonstrations, seminars, conventions, speeches, lectures, or any similar means?			
i	Other activities?			
j	Total. Add lines 1c through 1i			
a	Did the activities in line 1 cause the organization to be not described in section 501(c)(3)?		Ī	
b	If "Yes," enter the amount of any tax incurred under section 4912			
С	If "Yes," enter the amount of any tax incurred by organization managers under section 4912			
	If the filing organization incurred a section 4912 tax, did it file Form 4720 for this year?			
Pari	III-A Complete if the organization is exempt under section $501(c)(4)$ , section $501(c)$	(5), o	r section	1
				•
C II	501(c)(6).	(-), -		
				Yes I
l.	Were substantially all (90% or more) dues received nondeductible by members?		1	Yes I
l <u>2</u>	Were substantially all (90% or more) dues received nondeductible by members?		1 2	Yes I
1 2 3	Were substantially all (90% or more) dues received nondeductible by members?		3	Yes I
· !	Were substantially all (90% or more) dues received nondeductible by members?  Did the organization make only in-house lobbying expenditures of \$2,000 or less?  Did the organization agree to carry over lobbying and political expenditures from the prior year?  Complete if the organization is exempt under section 501(c)(4), section 501(c) and if either (a) BOTH Part III-A, lines 1 and 2, are answered "No" OR (b) Part	 (5), o	1 2 3 r section	Yes M
l 2 3 Part	Were substantially all (90% or more) dues received nondeductible by members?  Did the organization make only in-house lobbying expenditures of \$2,000 or less?  Did the organization agree to carry over lobbying and political expenditures from the prior year?  Complete if the organization is exempt under section 501(c)(4), section 501(c) and if either (a) BOTH Part III-A, lines 1 and 2, are answered "No" OR (b) Part answered "Yes."	 (5), o	1 2 3 r section	Yes M
art	Were substantially all (90% or more) dues received nondeductible by members?  Did the organization make only in-house lobbying expenditures of \$2,000 or less?  Did the organization agree to carry over lobbying and political expenditures from the prior year?  Complete if the organization is exempt under section 501(c)(4), section 501(c) and if either (a) BOTH Part III-A, lines 1 and 2, are answered "No" OR (b) Part	(5), o III-A,	1 2 3 r section	Yes M
art	Were substantially all (90% or more) dues received nondeductible by members?  Did the organization make only in-house lobbying expenditures of \$2,000 or less?  Did the organization agree to carry over lobbying and political expenditures from the prior year?  Did the organization agree to carry over lobbying and political expenditures from the prior year?  Complete if the organization is exempt under section 501(c)(4), section 501(c) and if either (a) BOTH Part III-A, lines 1 and 2, are answered "No" OR (b) Part answered "Yes."  Dues, assessments and similar amounts from members  Section 162(e) nondeductible lobbying and political expenditures (do not include amounts of political expenses for which the section 527(f) tax was paid).  Current year	(5), o III-A,	1 2 3 r section	Yes M
art	Were substantially all (90% or more) dues received nondeductible by members?  Did the organization make only in-house lobbying expenditures of \$2,000 or less?  Did the organization agree to carry over lobbying and political expenditures from the prior year?  Did the organization agree to carry over lobbying and political expenditures from the prior year?  Complete if the organization is exempt under section 501(c)(4), section 501(c) and if either (a) BOTH Part III-A, lines 1 and 2, are answered "No" OR (b) Part answered "Yes."  Dues, assessments and similar amounts from members  Section 162(e) nondeductible lobbying and political expenditures (do not include amounts of political expenses for which the section 527(f) tax was paid).  Current year  Carryover from last year	(5), o III-A,	1 2 3 r section	Yes M
art	Were substantially all (90% or more) dues received nondeductible by members?  Did the organization make only in-house lobbying expenditures of \$2,000 or less?  Did the organization agree to carry over lobbying and political expenditures from the prior year?  Did the organization agree to carry over lobbying and political expenditures from the prior year?  TIII-B Complete if the organization is exempt under section 501(c)(4), section 501(c) and if either (a) BOTH Part III-A, lines 1 and 2, are answered "No" OR (b) Part answered "Yes."  Dues, assessments and similar amounts from members  Section 162(e) nondeductible lobbying and political expenditures (do not include amounts of political expenses for which the section 527(f) tax was paid).  Current year  Carryover from last year	(5), o III-A,	1 2 3 r section	Yes M
l 2 3 Part L 2 a b c	Were substantially all (90% or more) dues received nondeductible by members?  Did the organization make only in-house lobbying expenditures of \$2,000 or less?  Did the organization agree to carry over lobbying and political expenditures from the prior year?  Did the organization agree to carry over lobbying and political expenditures from the prior year?  III-B Complete if the organization is exempt under section 501(c)(4), section 501(c) and if either (a) BOTH Part III-A, lines 1 and 2, are answered "No" OR (b) Part answered "Yes."  Dues, assessments and similar amounts from members  Section 162(e) nondeductible lobbying and political expenditures (do not include amounts of political expenses for which the section 527(f) tax was paid).  Current year  Carryover from last year  Total  Aggregate amount reported in section 6033(e)(1)(A) notices of nondeductible section 162(e) dues .	(5), o III-A,	1 2 3 r section	Yes M
l 2 3 Part L 2 a b c	Were substantially all (90% or more) dues received nondeductible by members?  Did the organization make only in-house lobbying expenditures of \$2,000 or less?  Did the organization agree to carry over lobbying and political expenditures from the prior year?  Did the organization agree to carry over lobbying and political expenditures from the prior year?  Did the organization agree to carry over lobbying and political expenditures from the prior year?  Did the organization agree to carry over lobbying and political expenditures from the prior year?  Did the organization agree to carry over lobbying and political expenditures (agree amounts of the excess does the organization agree to carryover to the reasonable estimate of nondeductible lobbying and political expenditures (agree amount on line 3, what portion of the excess does the organization agree to carryover to the reasonable estimate of nondeductible lobbying and political	(5), o IIII-A, l l l l l l l l l l l l l l l l l l l	1 2 3 r section	Yes M
1 2 2 2 a b	Were substantially all (90% or more) dues received nondeductible by members?  Did the organization make only in-house lobbying expenditures of \$2,000 or less?  Did the organization agree to carry over lobbying and political expenditures from the prior year?  Did the organization agree to carry over lobbying and political expenditures from the prior year?  Complete if the organization is exempt under section 501(c)(4), section 501(c) and if either (a) BOTH Part III-A, lines 1 and 2, are answered "No" OR (b) Part answered "Yes."  Dues, assessments and similar amounts from members  Section 162(e) nondeductible lobbying and political expenditures (do not include amounts of political expenses for which the section 527(f) tax was paid).  Current year  Carryover from last year  Total  Aggregate amount reported in section 6033(e)(1)(A) notices of nondeductible section 162(e) dues .  If notices were sent and the amount on line 2c exceeds the amount on line 3, what portion of the excess does	(5), o III-A,	1 2 3 r section	Yes M

Explanation

instructions), and Part II-B, line 1. Also, complete this part for any additional information.

Return Reference

efile GRAPHIC print - DO NOT PROCESS
SCHEDULE D

(Form 990)

Department of the Treasury

Internal Revenue Service

As Filed Data -

# **Supplemental Financial Statements**

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

► Go to <u>www.irs.gov/Form990</u> for the latest information.

**DLN: 93493283016240**OMB No. 1545-0047

2018

Open to Public Inspection

	me of the organization NANDEL RESEARCH INSTITUTE			Employer identification number
VAI	TANDEL RESEARCH INSTITUTE			52-2000823
Pa	ort I Organizations Maintaining Donor Adv			Accounts.
	Complete if the organization answered "Y			
		(a) Donor advised funds		(b)Funds and other accounts
•	Total number at end of year			
2	Aggregate value of contributions to (during year)			
1	Aggregate value of grants from (during year)			
ŀ	Aggregate value at end of year			
5	Did the organization inform all donors and donor advis organization's property, subject to the organization's e			
<b>;</b>	Did the organization inform all grantees, donors, and or charitable purposes and not for the benefit of the dono private benefit?	or or donor advisor, or for any other pu	urpose co	
Pa	rt II Conservation Easements. Complete if	the organization answered "Yes" o	on Form	990, Part IV, line 7.
	Purpose(s) of conservation easements held by the org	anization (check all that apply).		
	Preservation of land for public use (e.g., recreation	on or education) $\Box$ Preservation	on of an h	istorically important land area
	Protection of natural habitat	☐ Preservatio	on of a cei	rtified historic structure
	Preservation of open space			
	Complete lines 2a through 2d if the organization held	a gualified concentration contribution in	n tha farm	of a concentration
•	easement on the last day of the tax year.	a quamieu conservation contribution ii	ii tile lollii	Held at the End of the Year
а	Total number of conservation easements		:	2a
b	Total acreage restricted by conservation easements .		🗀	2b
С	Number of conservation easements on a certified histo	ric structure included in (a)	. [:	2c
d	Number of conservation easements included in (c) acq structure listed in the National Register	uired after 7/25/06, and not on a histo	oric 2	2d
3	Number of conservation easements modified, transfer tax year ▶	red, released, extinguished, or termina	ated by th	e organization during the
ļ	Number of states where property subject to conservat	ion easement is located <b>&gt;</b>		
5	Does the organization have a written policy regarding and enforcement of the conservation easements it hole		andling of	violations,
•	Staff and volunteer hours devoted to monitoring, insper	ecting, handling of violations, and enfo	orcing con	servation easements during the year
,	Amount of expenses incurred in monitoring, inspecting  \$ \\$	g, handling of violations, and enforcing	g conserva	ation easements during the year
3	Does each conservation easement reported on line 2(or and section 170(h)(4)(B)(ii)?			D(h)(4)(B)(i) ☐ <b>Y</b> es ☐ <b>N</b> o
)	In Part XIII, describe how the organization reports cor balance sheet, and include, if applicable, the text of th the organization's accounting for conservation easeme	e footnote to the organization's financ		e statement, and
ar	Organizations Maintaining Collection: Complete if the organization answered "Y			r Similar Assets.
.a	If the organization elected, as permitted under SFAS 1 art, historical treasures, or other similar assets held fo provide, in Part XIII, the text of the footnote to its final	.16 (ASC 958), not to report in its reve or public exhibition, education, or resea	enue state arch in fur	
b	If the organization elected, as permitted under SFAS 1 historical treasures, or other similar assets held for pu following amounts relating to these items:			
(	(i) Revenue included on Form 990, Part VIII, line 1			▶\$
	ii)Assets included in Form 990, Part X			
, ( <sup>1</sup> 2	If the organization received or held works of art, histo	rical treasures, or other similar assets	for financ	
-	following amounts required to be reported under SFAS Revenue included on Form 990, Part VIII, line 1	· · · · · ·		<b>▶</b> ¢
a				
b	Assets included in Form 990, Part X			🟲 \$

Part	9991	Organizations Ma	aintaining Col	lections of Art, Hi	istori	cal Tı	easures	s, or Other S	Similar As	ssets (conti	nued)	
3		the organization's acq (check all that apply):		n, and other records, o	check a	any of	the follow	ing that are a	significant u	ise of its coll	ection	
а		Public exhibition			d		Loan or e	exchange progi	ams			
b		Scholarly research			e		Other					
c		Preservation for future	e generations									
4	Provid Part X	le a description of the o	organization's col	lections and explain h	ow the	y furth	ner the or	ganization's ex	empt purpo	se in		
5		g the year, did the orga s to be sold to raise fur								☐ Yes	□ N	o
Par	t IV	Escrow and Cust Complete if the ord X, line 21.		<b>ments.</b> /ered "Yes" on Forn	n 990	, Part	IV, line	9, or reported	d an amou	ınt on Form	າ 990,	Part
1a		organization an agent ed on Form 990, Part )								Yes	□ N	o
b	If "Ye	s," explain the arrange	ement in Part XIII	and complete the foll	lowina	table:			A	mount		_
c		ning balance		,	_			1c				_
d	-	ons during the year .						1d				_
е		outions during the year						1e				_
f	Ending	g balance						1f				_
2a	Did th	e organization include	an amount on Fo	rm 990 Part X line 2	1 for	escrow	or custoo	dial account lial	nility?	□ ves	□и	_
b		s," explain the arrange							•	_	,	· ·
	rt V			the organization a								
		<u> </u>	usi complete ii	(a)Current year		rior yea		wo years back			our year	rs back
1a	Beginni	ng of year balance .		626,264			,302	612,777	· · · · · ·			
b	Contrib	utions		45,000		10	,100			596,343		
c	Net inv	estment earnings, gair	ns, and losses	54,479		12	,604	61,326		18,408		
d (	Grants	or scholarships										
		xpenditures for facilitie	es	1,984		62	,742	7,801		1,974		
f,	Adminis	strative expenses .										
g	End of	year balance		723,759		626	,264	666,302		612,777		
2 a b	Board Perma	e the estimated percer designated or quasi-e ment endowment •	ndowment ►	ent year end balance (	(line 1g	g, colui	mn (a)) h	eld as:				
C		orarily restricted endov	***************************************									
_		ercentages on lines 2a		·			. 1		LI			
3a		ere endowment funds ization by:	not in the posses	sion of the organization	on that	c are n	eid and ad	iministered for	tne		Yes	No
	(i) un	related organizations						•		3a(i)		No
		lated organizations .								3a(ii)	Yes	
ь 4		s" on 3a(ii), are the rel be in Part XIII the inte					?			3b	Yes	
Par	t VI	Land, Buildings,				_						
	Decari		ganization answ (a) Cost or oth	vered "Yes" on Form				11a. See Fori ) Accumulated de			0. ook valu	
	Descrip	otion of property	(investme		n ouner	nasis (c	other) (c	) Accumulated de	epreciation	(u) B	JOK Valu	e 
1a	Land .					5,28	88,315					5,288,315
b	Building	js				229,90	2,348		72,976,644		156	5,925,704
C	Leaseho	old improvements										
d	Equipm	ent					.6,522		46,763,464			5,453,058
۰ ۵	Other					1 30	18 329		136 584		1	171 745

Total. Add lines 1a through 1e.(Column (d) must equal Form 990, Part X, column (B), line 10(c).) .

Part VII	Investments—Other Securities. Complete if the c	rannian	tion and	wared "Vec" on Form	Page 3
Part VII	See Form 990, Part X, line 12.	rganiza	tion ans	wered "Yes" on Form	990, Part IV, line IID.
	<ul><li>(a) Description of security or category (including name of security)</li></ul>		(b) Book value	(c) Me Cost or end	thod of valuation: -of-year market value
(1) Financia	l derivatives				
(2) Closely- (3)Other	held equity interests	<u>· ·</u>			
(A)					
(B)					
(C)					
(D)					
(E)					
(F)					
(G)					
(H)					
	n (b) must equal Form 990, Part X, col. (B) line 12.)	•	,		
Part VIII	<b>Investments—Program Related.</b> Complete if the organization answered 'Yes' on Form	n 990, F	Part IV, I	ine 11c. See Form 99	0, Part X, line 13.
	(a) Description of investment	<b>(b)</b> B	ook value		thod of valuation: -of-year market value
(1)					
(2)					
(3)					
(4)					
(5)					
(6)					
(7)					
(8)					
(9)					
Total. (Colum	n (b) must equal Form 990, Part X, col.(B) line 13.)	<b>•</b>			
Part IX	Other Assets. Complete if the organization answered 'Ye	s' on For	m 990, P	art IV, line 11d. See For	m 990, Part X, line 15. (b) Book value
	O SECURITIES				71,320,000
(2)					
(3)					
(4) (5)					
(5)					
(6)					
(7)					
(8)					
(9) 					
Total. (Colu Part X	mn (b) must equal Form 990, Part X, col.(B) line 15.)  Other Liabilities. Complete if the organization answ			orm 990, Part IV, line	▶ 71,320,000 11e or 11f.
1.	See Form 990, Part X, line 25.  (a) Description of liability			Book value	
	ncome taxes		(6)	Jook value	
UNREALIZED	LOSS ON INTEREST RATE SWAP			89,390,461	
RELATED-PA	RTY PAYABLE			2,298,387	
(4)					
(5)					
(6)					
(7)			_		
(8)					
(9)					
	n (b) must equal Form 990, Part X, col.(B) line 25.)	<b>•</b>		91,688,848	
	or uncertain tax positions. In Part XIII, provide the text of the 's liability for uncertain tax positions under FIN 48 (ASC 740)				

2

3

4

b

C 5

1

2

C

d

3

4

5

Part XIII

See Additional Data Table

Return Reference

Part XII

Schedule D (Form 990) 2018

Page 4

-652,568

78,319,090

8,040,938

99.641.728

Schedule D (Form 990) 2018

С	Recoveries of prior year grants	2c				
d	Other (Describe in Part XIII.)	2d		-707,047		
e	Add lines 2a through 2d				2e	

Total revenue. Add lines 3 and 4c. (This must equal Form 990, Part I, line 12.) . . . . . . .

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

Total expenses and losses per audited financial statements . . . . . .

Amounts included on line 1 but not on Form 990, Part IX, line 25:

Add lines **4a** and **4b** . . . . . . . . . . . .

Supplemental Information

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

Amounts included on line 1 but not on Form 990, Part VIII, line 12:

Net unrealized gains (losses) on investments . . . .

Donated services and use of facilities . . . . . .

Add lines **4a** and **4b** . . . . . .

Donated services and use of facilities . . .

Prior year adjustments . . . . . .

3

54,479

Subtract line 2e from line 1 . . . . . . . . . Amounts included on Form 990, Part VIII, line 12, but not on line 1: Investment expenses not included on Form 990, Part VIII, line 7b . 4a 4b

8,040,938 4c 5

4c

5

Reconciliation of Expenses per Audited Financial Statements With Expenses per Return.

8,040,938 86,360,028 139,010,767

2d 47,409,977 Other (Describe in Part XIII.) . . . 2e 47,409,977 3 91,600,790

2a 2b

2c

Explanation

2a

2b

Add lines 2a through 2d . е Subtract line 2e from line 1 . . . . . . . . . . . Amounts included on Form 990, Part IX, line 25, but not on line 1: Investment expenses not included on Form 990, Part VIII, line 7b . . . 4a 4b 8.040.938 b 

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

Total expenses. Add lines 3 and 4c. (This must equal Form 990, Part I, line 18.)

XI, lines 2d and 4b; and Part XII, lines 2d and 4b. Also complete this part to provide any additional information.

ıle D (Form 990) 2018	Page <b>5</b>
XIII Supplemental Information (continued)	
Return Reference	Explanation

Schedule D (Form 990) 2018

## **Additional Data**

Software ID: Software Version:

> **EIN:** 52-2000823 Name: VAN ANDEL RESEARCH INSTITUTE

**Supplemental Information** 

Explanation PART X, LINE 1(1) AND LINE 2: THERE ARE NO UNCERTAIN TAX POSITIONS RELATED TO VARI.

upplemental Information					
Return Reference	Explanation				
PART XI, LINE 2D - OTHER ADJUSTMENTS:	RENTAL EXPENSES 112,161. FUNDRAISING EVENT EXPENSE 59,275. ROYALTIES PAYOUT -78,255. ADDITIONAL IMPAIRMENT -800,228.				

È

upplemental Information						
Return Reference	Explanation					
PART XI, LINE 4B - OTHER ADJUSTMENTS:	NET ALLOCATED 8,040,938.					

Supplemental Information Return Reference Explanation PART XII, LINE 2D - OTHER RENTAL EXPENSES 112,161. FUNDRAISING EVENT EXPENSE 59,275. LOSS ON INTEREST RATE SWAP 48,1 17.024. ROYALTIES PAYOUT -78.255. ADDITIONAL IMPAIRMENT -800.228. I ADJUSTMENTS:

upplemental Information					
Return Reference	Explanation				
PART XII, LINE 4B - OTHER ADJUSTMENTS:	NET ALLOCATED 8,040,938.				

Supplemental Information	
Return Reference	Explanation
PART V	VAN ANDEL INSTITUTE (A RELATED ORGANIZATION) MAINTAINS ENDOWED FUNDS FOR THE BENEFIT OF BO TH VARI AND VAN ANDEL EDUCATION INSTITUTE (A RELATED ORGANIZATION) TO FUND OPERATING EXPEN SES.

pplemental Information	
Return Reference	Explanation
RT XI AND XII, LINE 4B	EXPENSE ALLOCATIONS PRESENTED WITHIN REVENUE.

Sup

PAR

efile GRAPHIC print - DO NOT PROCESS As Filed Data -DLN: 93493283016240 OMB No. 1545-0047 SCHEDULE F Statement of Activities Outside the United States (Form 990) 2018 ▶ Complete if the organization answered "Yes" to Form 990, Part IV, line 14b, 15, or 16. ▶ Attach to Form 990. **Open to Public** ▶ Go to www.irs.gov/Form990 for instructions and the latest information. Department of the Treasury Inspection Internal Revenue Service Name of the organization **Employer identification number** VAN ANDEL RESEARCH INSTITUTE 52-2000823 Part I General Information on Activities Outside the United States. Complete if the organization answered "Yes" to Form 990, Part IV, line 14b. For grantmakers. Does the organization maintain records to substantiate the amount of its grants and 1 other assistance, the grantees' eligibility for the grants or assistance, and the selection criteria used For grantmakers. Describe in Part V the organization's procedures for monitoring the use of its grants and other assistance 2 outside the United States. Activites per Region. (The following Part I, line 3 table can be duplicated if additional space is needed.) (a) Region (b) Number of (c) Number of (d) Activities conducted in (e) If activity listed in (d) is a (f) Total expenditures offices in the employees, agents, region (by type) (e.g., program service, describe for and investments region and independent fundraising, program specific type of in region contractors in services, investments, grants service(s) in region region to recipients located in the region) See Add'l Data 481,226 3a Sub-total . b Total from continuation sheets to Part I c Totals (add lines 3a and 3b) 481,226

chedule F (Form 990) 2018							Page <b>3</b>
				ed States. Complete if	f the organization ar	nswered "Yes" to Form S	990, Part IV, line 16.
a) Type of grant or assistance	duplicated if addit (b) Region	(c) Number of recipients	eeded. (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)

Sche	dule F (Form 990) 2018		Page <b>4</b>
Par	t 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	<b>☑</b> No
2	Did the organization have an interest in a foreign trust during the tax year? If "Yes," the organization may be required to separately file Form 3520, Annual Return to Report Transactions with Foreign Trusts and Receipt of Certain Foreign Gifts, and/or Form 3520-A, Annual Information Return of Foreign Trust With a U.S. Owner (see Instructions for Forms 3520 and 3520-A; don't file with Form 990)	_	_
		∐ Yes	<b>✓</b> 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	<b>✓</b> 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	<b>☑</b> 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)		
	(see instructions for Form 6865)	☐Yes	<b>✓</b> No
6	Did the organization have any operations in or related to any boycotting countries during the tax year? If "Yes," the organization may be required to separately file Form 5713, International Boycott Report (see Instructions for Form		
	5713; don't file with Form 990)	☐ Yes	<b>✓</b> No

Schedule F (Fori	n 990) 2018 Page	₃ 5
Pr ar m ar	pplemental Information  poide the information required by Part I, line 2 (monitoring of funds); Part I, line 3, column (f) (accounting method nounts of investments vs. expenditures per region); Part II, line 1 (accounting method); Part III (accounting ethod); and Part III, column (c) (estimated number of recipients), as applicable. Also complete this part to provide y additional information (see instructions).  EF, Supplemental Information	•
Return	<del> </del>	
Reference	Explanation	

#### **Additional Data**

(a) Pegion

**EUROPE** 

## Software ID: Software Version:

**EIN:** 52-2000823

(h) Number of (c) Number of (d) Activities conducted (e) If activity listed in (d) (f) Total expenditures

Name: VAN ANDEL RESEARCH INSTITUTE

RESEARCH

COLLABORATION -RESEARCH SERVICES 366,102

(a) Region	offices in the region	employees or agents in region	in region (by type) (i.e., fundraising, program services, grants to recipients located in the region)	is a program service, describe specific type of service(s) in region	for region
EAST ASIA & THE PACIFIC	0	1		RESEARCH COLLABORATION - RESEARCH SERVICES	74,971

0 PROGRAM SERVICES

Form 990 Schedule F Part I - Activities Outside The United States (a) Region (b) Number of (c) Number of (e) If activity listed in (d) (f) Total expenditures (d) Activities conducted offices in the employees or in region (by type) (i.e., is a program service, for region describe specific type of region agents in fundraising, program service(s) in region region services, grants to recipients located in the region) 0 PROGRAM SERVICES NORTH AMERICA IRESEARCH 40.153 COLLABORATION -RESEARCH SERVICES

efile GRAPHIC print - DO NOT PROCESS As Filed Data SCHEDULE G
(Form 990 or 990-EZ)

Supplemental Info

# Supplemental Information Regarding

organization entered more than \$15,000 on Form 990-EZ, line 6a.

Fundraising or Gaming Activities
Complete if the organization answered "Yes" on Form 990, Part IV, lines 17, 18, or 19, or if the

OMB No. 1545-0047

DLN: 93493283016240

Open to Public Inspection

**Employer identification number** 

Internal Revenue Service

Name of the organization
VAN ANDEL RESEARCH INSTITUTE

Department of the Treasury

Attach to Form 990 or Form 990-EZ.

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

						52-2000823	
Pa		<b>ctivities.</b> Complete if the same are not required to	_			orm 990, Part IV, line I	17.
L	Indicate whether the orga	anization raised funds th	rough an	y of the f	ollowing activities. Check	all that apply.	
а	☐ Mail solicitations			e	Solicitation of nor	n-government grants	
b	☐ Internet and email so	licitations		f	Solicitation of gov	ernment grants	
c	Phone solicitations			g	Special fundraisin	g events	
d	☐ In-person solicitations	S					
2a b	Did the organization have or key employees listed in If "Yes," list the ten highe	n Form 990, Part VII) or est paid individuals or en	entity in ntities (fui	connection	on with professional fund	raising services?	es 🗆 No ser is
	to be compensated at lea	st \$5,000 by the organiz	zation.				
i) (i	Name and address of individence or entity (fundraiser)	dual (ii) Activity	fundrai custo cont contrib	Did ser have ody or rol of putions?	(iv) Gross receipts from activity	(v) Amount paid to (or retained by) fundraiser listed in col. (i)	(vi) Amount paid to (or retained by) organization
			Yes	No			
ota	al			. ▶			
	List all states in which the clicensing.	organization is registered	or licens	sed to sol	icit contributions or has l	been notified it is exempt	from registration or

Sche	dule G (Form 990 or 990-EZ) 2018						Page 3			
11	Does the organization conduct ga	ming activities with nonmembers	5?		☐ Yes	Пио				
12	Is the organization a grantor, ber formed to administer charitable g		member of a partnership or other entity		□Yes					
13	Indicate the percentage of gamin	g activity conducted in:								
а	The organization's facility .			13a			%			
b	An outside facility			13b			%			
14	Enter the name and address of th	e person who prepares the organ	nization's gaming/special events books and r	ecords:						
	Name									
	Address •	,								
	revenue?		om the organization receives gaming		□Yes	□No				
b	If "Yes," enter the amount of gam amount of gaming revenue retain		anization ▶ \$ and tl 	ne						
С	If "Yes," enter name and address	of the third party:								
	Name ►									
	Address►									
16	Gaming manager information:									
	Name ►									
	Gaming manager compensation ▶ \$									
	Description of services provided	·								
	☐ Director/officer	☐ Employee	☐ Independent contractor							
17	Mandatory distributions:									
а	Is the organization required unde retain the state gaming license?		stributions from the gaming proceeds to		☐Yes	□No				
b	Enter the amount of distributions required under state law distributed to other exempt organizations or spent in the organization's own exempt activities during the tax year > \$									
Pai			ions required by Part I, line 2b, column licable. Also provide any additional info				 s.			
	Return Reference		Explanation							

efile GRAPHIC print - DO I	NOT PROCESS	As Filed Data -					DLN: 93493283016240	
Note: To capture the full co	ontent of this de		lect landscape mode other Assistanc	-			OMB No. 1545-0047	
(Form 990)	2018							
Department of the Treasury Internal Revenue Service	Complete if the organization answered "Yes," on Form 990, Part IV, line 21 or 22.  ▶ Attach to Form 990.  ▶ Go to www.irs.gov/Form990 for the latest information.							
Name of the organization  VAN ANDEL RESEARCH INSTITUTI	======================================					Employe	r identification number	
						52-2000	0823	
Part I General Informa	ation on Grants	and Assistance						
1 Does the organization main the selection criteria used to						e, and	☑ Yes ☐ No	
2 Describe in Part IV the orga	nization's procedur	es for monitoring the use	e of grant funds in the Un	ited States.				
		estic Organizations an can be duplicated if addi		nts. Complete if the o	ganization answered "Yes"	on Form 990, Pa	rt IV, line 21, for any recipient	
(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) Descripti noncash assis		
(1) FRIENDS OF CRESCENT PARK 333 BOSTWICK NE GRAND RAPIDS, MI 49503	26-4562012	501C3	9,750				SUPPORT CRESCENT PARK MAINTENANCE	
(2) STAND UP TO CANCER 10880 WILSHIRE BLVD SUITE 1400 LOS ANGELES, CA 90024	95-1644609	501C3	1,484,681				RESEARCH COLLABORATION	
2 Enter total number of section	on 501(c)(3) and go	vernment organizations	listed in the line 1 table .				2	
3 Enter total number of other	organizations listed	d in the line 1 table					0	
For Paperwork Reduction Act Notice	e, see the Instruction	ns for Form 990.		Cat. No. 50055	iP		Schedule I (Form 990) 2018	

STUDENTS RECEIVE A STIPEND FOR LIVING EXPENSE AND INSURANCE. GRANT FUNDS TO INSTITUTIONS ARE MONITORED BY QUARTERLY EXPENDITURE REPORTS

BEFORE DISBURSING INCREMENTAL FUNDING, PROGRESS REPORTS ARE REQUIRED ANNUALLY AND REVIEWED BY VAN ANDEL RESEARCH INSTITUTE AND A THIRD

Page **2** 

Schedule I (Form 990) 2018

TUITION REMISSION.

MICHIGAN STATE UNIVERSITY STUDENTS 120,666 GRADUATE STUDENT STIPENDS VAN ANDEL INSTITUTE GRADUATE SCHOOL

86,290

(3) FOREIGN NATIONAL STIPENDS 107.563 (4) GUEST STUDENT STIPENDS 44,148

25 580,000

Grants and Other Assistance to Domestic Individuals. Complete if the organization answered "Yes" on Form 990, Part IV, line 22.

VAN ANDEL INSTITUTE GRADUATE SCHOOL

(5)

(6)

Schedule I (Form 990) 2018

GRADUATE STUDENT STIPENDS FOR

STUDENT TUITION AND FEES REMISSION

Return Reference

PART I, LINE 2:

Part III

(1)

(7)

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

Explanation

IPARTY.

efil	e GRAPHIC pi	rint - DO NOT PROCESS	As Filed Data	a -	DLN: 934	19328	33016	240	
Schedule J		Co	1B No.	1545-0	0047				
(For	m 990)	For certain Office	-						
		Complete if the org		ated Employees vered "Yes" on Form 990, Part IV,	, line 23.	2018			
Danar	tment of the Treasury	▶ Go to www.irs.ac		to Form 990. instructions and the latest inforr			to Pul		
•	al Revenue Service	T do to <u>in in insig</u> e	10.	motractions and the latest mion		Insp	ectio	n	
	me of the organiz I ANDEL RESEARCH				Employer identificat	ion nu	ımber		
					52-2000823				
Pa	rt I Questi	ons Regarding Compensa	tion				I		
<b>1</b> a				the following to or for a person liste y relevant information regarding the			Yes	No	
	✓ First-class	s or charter travel		Housing allowance or residence for	personal use				
		companions		Payments for business use of perso	•				
	Tax idem	nification and gross-up payment	:s 🔲	Health or social club dues or initiation	on fees				
	Discretion	nary spending account		Personal services (e.g., maid, chauf	feur, chef)				
b		xes in line 1a are checked, did t all of the expenses described ab		ollow a written policy regarding paym plete Part III to explain	nent or reimbursement	1b	Yes		
2				or allowing expenses incurred by all	. 1-3	2	Yes		
	airectors, truste	es, officers, including the CEO/1	executive Director	r, regarding the items checked in line	e la?				
3				ed to establish the compensation of the check any boxes for methods	ne				
	_	•		CEO/Executive Director, but explain i	in Part III.				
	<b>✓</b> Compens	ation committee	П	Written employment contract					
		ent compensation consultant	$\overline{\mathbf{V}}$	Compensation survey or study				1	
		of other organizations	$\checkmark$	Approval by the board or compensa	tion committee				
4	During the year related organiza		990, Part VII, Se	ction A, line 1a, with respect to the f	iling organization or a				
а	Receive a sever	ance payment or change-of-con	trol payment? .			4a		No	
b		• •		ified retirement plan?		4b		No	
c	•		'	nsation arrangement?		4c		No	
	If "Yes" to any	of lines 4a-c, list the persons an	d provide the app	olicable amounts for each item in Part	t III.				
	Only 501(c)(3	), 501(c)(4), and 501(c)(29	) organizations	must complete lines 5-9.					
5	For persons liste		on A, line 1a, did	the organization pay or accrue any					
	·	-					\ \/		
a b	=	n?				5a 5b	Yes	No	
		5a or 5b, describe in Part III.						110	
6		ed on Form 990, Part VII, Section ontingent on the net earnings o		the organization pay or accrue any					
а	The organization	n?				6a		No	
b						6b		No	
	· ·	6a or 6b, describe in Part III.							
7				the organization provide any nonfixe rt III		7		No	
8	subject to the ir	nitial contract exception describe	ed in Regulations	red pursuant to a contract that was section 53.4958-4(a)(3)? If "Yes," do 		8		No	
9				presumption procedure described in		9		110	
For F	Panerwork Redu	iction Act Notice, see the Ins	tructions for Fo	orm 990. Cat. No. 5	50053T Schedule J	(Forn	1 990)	2018	

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.

		(1)-(111) for each listed inc	aividual must equal the to	rai amount of Form 990,	rait VII, Section A, line	را) La, applicable column	) and (E) amounts for that individual.		
(A) Name and Title	ļ		of W-2 and/or 1099-MIS	· · · · · · · · · · · · · · · · · · ·	(C) Retirement and	(D) Nontaxable	(E) Total of columns	(F) Compensation in	
		(i) Base compensation	(ii) Bonus & incentive compensation	(iii) Other reportable compensation	other deferred compensation	benefits	(B)(i)-(D)	column (B) reported as deferred on prior Form 990	
1 DAVID VAN ANDEL CHAIRMAN / CEO	(i)	386,538	101,250	22,219	111,250	1,065	622,322	101,250	
,	(ii)	0	0	0	0	0	0	0	
	(i)	358,411	95,900	3,574	99,609	11,120	568,614	95,900	
	(ii)	0	0	0	0	0	0	0	
3 TIMOTHY MYERS V.P. & CHIEF FINANCIAL	(i)	277,311	55,485	1,292	74,429	11,120	419,637	55,485	
OFFICER	(ii)	0	0	0	0	0	0	0	
CHIEF SCIENTIFIC OFFICER	(i)	562,039	154,092	19,953	157,832	11,120	905,036	154,092	
& DES DID	(ii)	0	0	0	0	0	0	0	
<b>5</b> KATHY VOGELSANG CHIEF INVESTMENT OFFICER	(i)	415,872	333,300	20,822	277,330	11,120	1,058,444	333,300	
	(ii)	0	0	0	0	0	0	0	
6 DR PATRIK BRUNDIN ASSOCIATE RESEARCH	(i)	447,903	63,679	2,322	76,467	11,120	601,491	63,679	
DIRECTOR	(ii)	0	0	0	0	0	0	0	
7 DR PETER LAIRD INVESTIGATOR	(i)	387,088	20,611	2,327	43,907	11,120	465,053	20,611	
	(ii)	0	0	0	0	0	0	0	
8 TED HEILMAN ASSOC DIRECT-SR.	(i)	238,565	194,425	20,798	168,298	11,120	633,206	194,425	
PORTFOLIO MGR.	(ii)	0	0	0	0	0	0	0	
DIN. FROUNAM FOR	(i)	304,772	45,979	25,363	68,047	11,120	455,281	0	
TECHNOLOGIES & CORE	(ii)	0	0	0	0	0	0	0	
	Ч						1	<u> </u>	
							1		
	$\dashv$							1	
	1					l i	ļ i	Į.	
	1						<u> </u>		
	¹					<u> </u>	<u></u>		
							Schedule	J (Form 990) 2018	

Schedule J (Form 990) 2018	Page <b>3</b>					
Part III Supplemental Information						
Provide the information, explanation, or descriptions required for Part I, lines 1a, 1b, 3, 4a, 4b, 4c, 5a, 5b, 6a, 6b, 7, and 8, and for Part II. Also complete this part for any additional information.						
Return Reference	Explanation					
PART I, LINE 1A	VARI ALLOWS FOR FIRST-CLASS OR CHARTER TRAVEL FOR OFFICERS AND TRUSTEES.					

Return Reference	Explanation
PART I, LINE 5	BONUS IS PAID BASED ON GRANT REVENUE EARNED FOR ELIGIBLE PROGRAM PARTICIPANTS.

I (Form 990) 2018

### **Additional Data**

(i)

(i)

(i)

(i)

(ii)

(i)

(ii)

(i)

(ii)

DAVID VAN ANDEL

CHIEF OPERATIONS OFFICER TIMOTHY MYERS

V.P. & CHIEF FINANCIAL

CHIEF SCIENTIFIC OFFICER

CHAIRMAN / CEO

DR JANA HALL

OFFICER DR PETER JONES

& RES. DIR. KATHY VOGELSANG

DIRECTOR

CHIEF INVESTMENT OFFICER

DR PATRIK BRUNDIN

DR PETER LAIRD

INVESTIGATOR

TED HEILMAN

ASSOC DIRECT-SR. PORTFOLIO MGR.

DR SCOTT JEWELL

DIR. PROGRAM FOR **TECHNOLOGIES & CORE** 

ASSOCIATE RESEARCH

**Software Version:** 

386,538

358,411

277,311

562,039

415,872

447,903

387,088

238,565

304,772

Software ID:

101,250

95,900

55,485

154,092

333,300

63,679

20,611

194,425

45,979

EIN: 52-2000823 VAN ANDEL RESEARCH INSTITUTE

	Name: VAN ANGLE RESEARCH TOTAL									
orm 990, Schedule J,	Part II - Officers, Directors, Trustees, Key Employees, and I	Highest Compensate	d Employees							
(A) Name and Title	(B) Breakdown of W-2 and/or 1099-MISC compensation	(C) Retirement and	(D) Nontaxable	(E) Total of columns	(F) Compe					

Form 990, Schedule J,	Part II - Officers, Di	irectors, Trustees, K	ey Employees, and	Highest Compensate	d Employees		
(A) Name and Title	( <b>B</b> ) Breakdown	of W-2 and/or 1099-MIS	C compensation	(C) Retirement and	(D) Nontaxable	(E) Total of columns	(F) Compensation in
	(i) Base Compensation	(ii)	/iii)	1 other deferred	benefits	(B)(i)-(D)	column (B)

22,219

3,574

1,292

19,953

20,822

2,322

2,327

20,798

25,363

Form 990, Schedule J,	Part II - Officers, Di	irectors, Trustees, K	ey Employees, and I	Highest Compensate	d Employees		
(A) Name and Title	(B) Breakdown of W-2 and/or 1099-MISC compensation			(C) Retirement and	(D) Nontaxable	(E) Total of columns	(F) Compensation in
	(i) Base Compensation	(ii) Bonus & incentive compensation	(iii) Other reportable compensation	other deferred compensation	benefits	(B)(i)-(D)	column (B) reported as deferred on prior Form 990

111,250

99,609

74,429

157,832

277,330

76,467

43,907

168,298

68,047

1,065

11,120

11,120

11,120

11,120

11,120

11,120

11,120

11,120

622,322

568,614

419,637

905,036

1,058,444

601,491

465,053

633,206

455,281

101,250

95,900

55,485

154,092

333,300

63,679

20,611

194,425

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	hedule K	Sur	onlemental l	nformation o	on Tax-Exempt Bonds						OMB No. 1545-0047				
(Fo	orm 990)			wered "Yes" to Form					criptions,			20	18		
			•	, and any additional		ı in Part	· VI.								
	artment of the Treasury mal Revenue Service			▶ Attach to Form 990 irs.gov/Form990 for		nformat	tion.					Open to Inspe	Public ection		
	e of the organization I ANDEL RESEARCH INSTITUTE									Employ	yer iden	tification nun	ıber		
VAN										52-20	00823				
Pa	rt I Bond Issues						ı								
	(a) Issuer name	(b) Issuer EIN	(c) CUSIP #	(d) Date issued	(e) Issue	price	(1	f) Description	on of purpose	( <b>g</b> ) De	feased	(h) On behalf of		Pool incina	
												issuer		<u>.</u>	
_	MATCHES AND STRATEGYS FUND	F2 444 7222		10.01.0010	220.0		D = = 1 1 1	ID DON'D TO	6115 4/04/45	Yes	No	Yes No		No	
Α	MICHIGAN STRATEGIC FUND	52-1417332	00000000	10-01-2018	220,0	000,000	REFUN	ND BOND IS	SUE 4/01/13		Х	X		×	
Pa	rt II Proceeds														
	•					A		E	}	С			D		
1	Amount of bonds retired														
2	Amount of bonds legally defeas														
3	Total proceeds of issue					220,000	,000								
4	Gross proceeds in reserve fund														
5	Capitalized interest from proce											$\bot$			
6	Proceeds in refunding escrows														
<u> </u>	Issuance costs from proceeds											-			
8	Credit enhancement from proce											$\bot$			
9	Working capital expenditures for											$-\!$			
10	Capital expenditures from proc														
11	Other spent proceeds					220,000	,000								
12	Other unspent proceeds Year of substantial completion											-			
13	real of substantial completion			• •	Yes	No		Yes	No	Yes	No	Yes		No	
	Were the bonds issued as part	of a current refunding	issue?		X	NO		165	NO	res	NO	168	<u> </u>	NO	
14	Were the bonds issued as part				^								-		
15	Has the final allocation of proce					Х									
16					Х							-			
17	Does the organization maintain proceeds?				X										
Pa	rt Ⅲ Private Business U														
						Α		B		C			D		
1	Was the organization a partner financed by tax-exempt bonds?				Yes	No X		Yes	No	Yes	No	Yes	<del>'</del>	No	
2	Are there any lease arrangeme property?	nts that may result in	private business use		Х								$\top$		
For	Paperwork Reduction Act Noti				Ca	t. No. 50	1193F				S	chedule K (	Form 99	0) 2018	

3a

b

d

6

Part IV

b

C

Arbitrage

Page **2** 

D

D

Schedule K (Form 990) 2018

No

Yes

Yes

C

No

Yes

C

No

Yes

В

No

Yes

Α

Nο

0.440 %

0.440 %

Χ

Χ

В

No

Yes

Yes

Χ

Χ

Χ

Χ

Χ

Α

No

Χ

Χ

Χ

Χ

Yes

Х

Χ

Are

Penalty in Lieu of Arbitrage Rebate? . . . If "No" to line 1, did the following apply? . . . . 

If "Yes" to line 2c, provide in Part VI the date the rebate Is the bond issue a variable rate issue? . . . . .

Was the hedge superintegrated? . . . . . . 

hedge with respect to the bond issue?

the issue are remediated in accordance with the requirements under

Has the issuer filed Form 8038-T, Arbitrage Rebate, Yield Reduction and

Has the organization or the governmental issuer entered into a qualified

Are there any management or service contracts that may result in private business use of	Γ
bond-financed property?	
If "Yes" to line 3a, does the organization routinely engage bond counsel or other outside	Ī
counsel to review any management or service contracts relating to the financed property?	
Are there any research agreements that may result in private business use of bond-financed	Ī

If "Yes" to line 3c, does the organization routinely engage bond counsel or other outside

Enter the percentage of financed property used in a private business use by entities other than

If "Yes" to line 8a, enter the percentage of bond-financed property sold or disposed of. . . . If "Yes" to line 8a, was any remedial action taken pursuant to Regulations sections 1.141-12

Has the organization established written procedures to ensure that all nonqualified bonds of

counsel to review any research agreements relating to the financed property?

a section 501(c)(3) organization or a state or local government . . . . . Enter the percentage of financed property used in a private business use as a result of unrelated trade or business activity carried on by your organization, another section 501(c)(3)

Does the bond issue meet the private security or payment test? . . .

Has there been a sale or disposition of any of the bond-financed property to a nongovernmental person other than a 501(c)(3) organization since the bonds were Were gross proceeds invested in a guaranteed investment contract

Was the regulatory safe harbor for establishing the fair market value of

Were any gross proceeds invested beyond an available temporary

Has the organization established written procedures to monitor the

**Procedures To Undertake Corrective Action** 

if self-remediation is not available under applicable regulations?

Has the organization established written procedures to ensure that violations of federal tax requirements are timely identified and corrected through the voluntary closing agreement program

the GIC satisfied? . . . . . . .

requirements of section 148? . . .

Schedule K (Form 990) 2018

(GIC)?

period?

Part VI

**Supplemental Information.** Provide additional information for responses to questions on Schedule K (see instructions).

Yes

Yes

Χ

No

No

Yes

Yes

No

No

Yes

Nο

Page 3

No

No

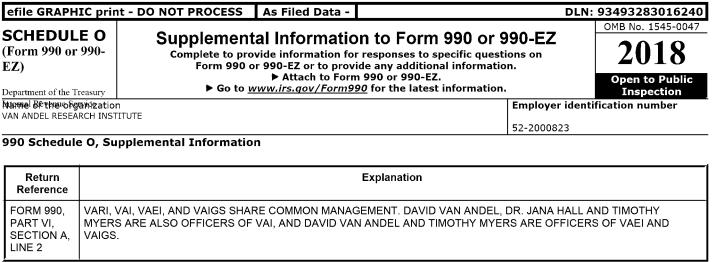
D

Yes

Schedule K (Form 990) 2018

Yes

efile GRAPHIC print - DO NOT PROCESS As Filed Data -DLN: 93493283016240 **SCHEDULE M** OMB No. 1545-0047 **Noncash Contributions** (Form 990) 2018 ▶ Complete if the organizations answered "Yes" on Form 990, Part IV, lines 29 or 30. ▶ Attach to Form 990. ▶Go to www.irs.gov/Form990 for the latest information. Open to Public Department of the Treasury Internal Revenue Service Inspection Name of the organization **Employer identification number** VAN ANDEL RESEARCH INSTITUTE 52-2000823 **Types of Property** (a) (b) (c) (d) Check if Number of contributions or Noncash contribution Method of determining applicable items contributed amounts reported on noncash contribution amounts Form 990, Part VIII, line 1g 1 Art—Works of art . . 2 Art—Historical treasures Art—Fractional interests Books and publications Clothing and household 7,958 COST Х goods . . . . . Cars and other vehicles 7 Boats and planes . . Intellectual property . . . 10,156 NYSE VALUE Securities—Publicly traded . Χ 10 Securities—Closely held stock . 11 Securities—Partnership, LLC, or trust interests . . . Securities—Miscellaneous . Qualified conservation contribution—Historic structures . . . . **14** Oualified conservation contribution—Other . . Real estate—Residential . Real estate—Commercial . 17 Real estate—Other . . Collectibles . . . Χ 620 COST 18 Χ 2,165 COST 19 Food inventory . . . 20 Drugs and medical supplies . 21 Taxidermy . . . . . 22 Historical artifacts . . 23 Scientific specimens . . Archeological artifacts . . 25 Other ▶ ( X 15 4,183 COST GIFT CARDS ) Χ 1,052 COST 26 Other ▶ ( TICKETS ) Other ▶ ( Χ 11 585 COST MISCELLANEOUS ) 28 Other ▶ ( \_ Number of Forms 8283 received by the organization during the tax year for contributions for which the organization completed Form 8283, Part IV, Donee Acknowledgement Yes No 30a During the year, did the organization receive by contribution any property reported in Part I, lines 1 through 28, that it must hold for at least three years from the date of the initial contribution, and which is not required to be used for exempt purposes for the entire holding period? . 30a Nο **b** If "Yes," describe the arrangement in Part II. 31 Nο Does the organization have a gift acceptance policy that requires the review of any nonstandard contributions? 32a Does the organization hire or use third parties or related organizations to solicit, process, or sell noncash Nο **b** If "Yes," describe in Part II. If the organization did not report an amount in column (c) for a type of property for which column (a) is checked, For Paperwork Reduction Act Notice, see the Instructions for Form 990. Schedule M (Form 990) (2018) Cat. No. 51227J



Return Explanation

LINE 7A

FORM 990, THE TRUSTEES OF VAN ANDEL INSTITUTE HAVE THE AUTHORITY TO ELECT ONE OR MORE MEMBERS OF VARI'S PART VI, GOVERNING BODY.

SECTION A.

Return Explanation
Reference

FORM 990, POLLOWING COMPLETION OF THE FINANCIAL STATEMENT AUDIT, THE FORM 990 IS PREPARED AND REVIEWED BY MANAGEMENT. IT IS THEN CIRCULATED TO THE FULL BOARD FOR REVIEW AND COMMENTS PRIOR TO FILING WITH SECTION B, LINE 11B

Return Reference	Explanation
FORM 990, PART VI, SECTION B, LINE 12C	VARI HAS WRITTEN CONFLICT OF INTEREST ("COI") POLICIES AND PROCEDURES WHICH ADMINISTER AND ENFORCE A PROCESS TO IDENTIFY, EVALUATE, AND MANAGE POTENTIAL CONFLICTS OF INTEREST. THESE POLICIES HAVE BEEN APPROVED BY THE BOARD OF TRUSTEES. VAI ADMINISTERS COI POLICIES AND PROCEDURES THROUGH TWO STANDING COMMITTEES: THE CONFLICTS COMMITTEE ("CC") AND THE INSTITUTIONAL COI COMMITTEE ("ICOIC"). COI POLICIES AND PROCEDURES APPLY TO AND SERVE AS A GUIDE FOR EVERYONE IN THE ORGANIZATION. IN PARTICULAR, THEY PROVIDE A USEFUL RESOURCE FOR DEVELOPING ACTIVITIES OR RELATIONSHIPS WITH OUTSIDE ENTITIES OR PERSONS, AND ESTABLISH A PROCESS FOR COMMITTEES TO REVIEW AND MANAGE POTENTIAL CONFLICTS OF INTEREST AS THEY MAY ARISE. THE CC AND ICOIC ARE CHAIRED BY THE GENERAL COUNSEL. THE CC REQUIRES ANNUAL AND UPDATED DISCLOSURES BY COVERED PERSONS AND REVIEWS AND APPROVES MANAGEMENT PLANS. ICOIC POLICIES AND PROCEDURES SERVE AS A GUIDE FOR BOARDS OF TRUSTEES AND SENIOR EXECUTIVES. IN THE EVENT A POTENTIAL COI ARISES AT THE BOARD OR SENIOR EXECUTIVE LEVEL, THE ICOIC MEETS TO REVIEW AND DETERMINE HOW TO MANAGE SUCH A POTENTIAL CONFLICT OF INTEREST IN ACCORDANCE WITH THE COI POLICIES AND PROCEDURES.

Return Explanation

- 1		
1	FORM 990,	COMPARABILITY DATA FROM AN EXPERT THIRD PARTY IS OBTAINED AND REVIEWED BY THE INDEPENDENT, JOINT
	PART VI,	COMPENSATION COMMITTEE OF VAN ANDEL RESEARCH INSTITUTE AND RELATED ORGANIZATIONS TO DETERMINE
ı	SECTION B,	APPROPRIATE COMPENSATION FOR THE CEO, EXECUTIVE MANAGEMENT OFFICIALS, OFFICERS, AND KEY
ı	LINE 15	EMPLOYEES. ON BEHALF OF VAN ANDEL RESEARCH INSTITUTE.

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FORM 990,	ALL DOCUMENTS REQUIRED TO BE MADE AVAILABLE TO THE PUBLIC ARE AVAILABLE FOR PUBLIC INSPECTION UPON
PART VI,	WRITTEN REQUEST.
SECTION C,	
LINE 19	

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FORM 990, PART XI, LINE 9:

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FORM 990, PART III, LINE 2	VAN ANDEL RESEARCH INSTITUTE (VARI) IS DEDICATED TO DETERMINING THE EPIGENETIC, GENETIC, MOLECULAR, AND CELLULAR ORIGINS OF CANCER, PARKINSON'S DISEASE, AND OTHER ILLNESSES AND TO TRANSLATING THOSE FINDINGS INTO EFFECTIVE THERAPIES. THE INSTITUTE'S SCIENTISTS WORK IN ON-SITE LABORATORIES AND PARTICIPATE IN COLLABORATIONS THAT SPAN THE GLOBE. WITH EPIGENETICS AS ITS COMMON THREAD, THE INSTITUTE IS ORGANIZED INTO THE CENTER FOR CANCER AND CELL BIOLOGY, THE CENTER FOR EPIGENETICS, AND THE CENTER FOR NEURODEGENERATIVE SCIENCE. THE INSTITUTE'S LABS ARE SUPPORTED BY AN OUTSTANDING CORE TECHNOLOGIES AND SERVICES GROUP, WHICH PROVIDES A VIVARIUM, A BIOREPOSITORY, AND VALUABLE ON-SITE CAPABILITIES IN IMAGING, PATHOLOGY, BIOINFORMATICS AND BIOSTATISTICS, GENOMICS, FLOW CYTOMETRY, METABOLOMICS AND BIOENERGETICS AND CRYO-ELECTRON MICROSCOPY. VARI SCIENTISTS PUBLISHED 111 ARTICLES IN THIS FISCAL YEAR IN PEER-REVIEWED JOURNALS THAT INCLUDED NATURE, SCIENCE, CELL REPORTS, NATURE COMMUNICATIONS, NATURE STRUCTURAL AND MOLECULAR BIOLOGY, SCIENCE ADVANCES, CELL REPORTS, NATURE IMMUNOLOGY, CANCER RESEARCH, IMMUNITY, CLINICAL CANCER RESEARCH, MOLECULAR NEURODEGENERATION, LANCET NEUROLOGY, NUCLEIC ACIDS RESEARCH, TRENDS IN NEUROSCIENCES, GENOME BIOLOGY, PROCECIDINGS OF THE NATIONAL ACADEMY OF SCIENCES U.S.A., CANCER CELL, THERANOSTICS, ELIFE, MOLECULAR CELL, JOURNAL OF THE NATIONAL CANCER INSTITUTE, ACTA NEUROPATHOLOGICA COMMUNICATIONS, EUROPEAN HEART JOURNAL, CIRCULATION RESEARCH, GASTROENTEROLOGY, JOURNAL OF BIOLOGICAL CHEMISTRY, NJP PARKINSON'S DISEASE, PROTEIN SCIENCE, MOLECULAR CELL, BIOCHEMISTRY, BIOINFORMATICS, CLINICAL EPIGENETICS, ISCIENCE, NEUROBIOLOGY OF DISEASE, MOLECULAR AND CELLULAR PROTEOMICS, MOLECULAR CANCER THERAPEUTICS, AND JOURNAL OF CHEMICAL THEORY AND COMPUTATION.

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FORM 990, PART III, LINE 4A	LINE 4A - PROGRAM SERVICE ACTIVITY #1 CENTER FOR CANCER AND CELL BIOLOGY THE CENTER FOR CA NCER AND CELL BIOLOGY, DIRECTED BY SART WILLIAMS, PH.I.D., COMPRISES 14 LABORATORIES ENGAGED IN BASIC RESEARCH IN MOLECULAR AND STRUCTURAL BIOLOGY AND IN TRANSLATIONAL RESEARCH ON CA NCER, SKELETAL DISEASES, AND METABOLISM AND NUTRITION. THE CENTER IS DIVIDED INTO PROGRAMS IN STRUCTURAL BIOLOGY; SKELETAL DISEASE AND CANCER THERAPEUTICS; AND METABOLIC AND NUTRITIONAL PROGRAMMING. IN THIS FISCAL YEAR, RESEARCHERS AND TRAINIESS WITHIN THE CENTER RECEIVE D THREE NEW R01°S, A U01, AN R35, AND AN F31 FELLOWSHIP FROM THE NATIONAL INSTITUTES OF HE ALTH. OTHER NEW AWARDS WERE FROM THE NATIONAL SCIENCE FOUNDATION, DEPARTMENT OF DEFENSE, D EPARTMENT OF ENERGY, AND THE BREAST CANCER RESEARCH FOUNDATION. TWO NEW RESEARCH CONTRACTS WERE SIGNED IN 2019, AND FOUR GRANT SUBAWARDS AND TWO NON-NIH POSTDOCTORAL FELLOWSHIPS WE RE RECEIVED. IN THE STRUCTURAL BIOLOGY PROGRAM, HUILIN LI'S LAB PRODUCED SEVERAL PAPERS. THEY STUDIED THE DRS2P-CDC50P COMPLEX THAT MAINTAINS CELL MEMBRANE ASYMMETRY, SOLVING THE C RYO-EM STRUCTURES OF INTACT DRS2P-CDC50P ISOLATED FROM S. CEREVISIAE IN THE INACTIVE APO F ORM AND IN THE PI4P-ACTIVATED FORM AT 2.8 ANGSTROM AND 3.3 ANGSTROM RESOLUTION, RESPECTIVE LY. THIS STUDY UNCOVERED THE MECHANISM BY WHICH THE ENZYME IS ACTIVATED (BAI ET AL., NATUR E COMMUNICATIONS 10: 4142). ANOTHER STUDY REPORTED THE CRYO-EM STRUCTURES OF THE S. CEREVI SIAE PMT1-PMT2 COMPLEX. EACH SUBUNIT CONTAINS 11 TRANSMEMBRANE HELICES AS WELL AS A LUMENA L BETA-TREFOLI FOLD TERMED THE MIR DOADNI, FROM THESE STRUCTURES, THE LAB WAS ABLE TO SHOW HOW THE ENZYMES RECOGNIZE THEIR SUBSTRATE MOLECULES. (BAI ET AL., NATURE STRUCTURES OF THE STRUCTURES OF THE STRUCTURES OF THE STRUCTURES OF THE WRY3679-RV3680 COMPLEX IN THE TUBERCOLLOSIS-CAUSING MYCOGNACTERIUM. FROM THESE STRUCTURES, THE LAB WAS ABLE TO SHOW HOW THE ENZYMES RECOGNIZE THEIR SUBSTRATE MOLECULES. (BAI ET AL., NATURE STRUCTURES OF THE STRUCTURES OF THE WRY3679-RV3680 COMPULEX IN THE TUBERCOLL

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FORM 990, PART III, LINE 4A	IN CLINICAL USE, FLUTICASONE FUROATE. BOTH VSG158 AND VSG159 DELIVERED EFFECTIVE TREATMEN T AND REDUCED OFF-TARGET AND SIDE EFFECTS. THEY HAVE PHARMACOKINETIC PROPERTIES THAT ARE S UITABLE FOR INHALATION TREATMENT OF ASTHMA (HE ET AL., PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES U.S.A. 116(14): 6932-6937). THE LABS ALSO COMPLETED A STUDY ON THE HUMAN PARA THYROID HORMONE RECEPTOR-1 (PTH1R), WHICH IS A THERAPEUTIC TARGET IN OSTEOPOROSIS AND HYPO PARATHYROIDISM. THE STRUCTURE OF PTH1R BOUND TO A LONG-ACTING PTH ANALOG AND A STIMULATORY G PROTEIN WAS SOLVED. THIS RESEARCH PROVIDES INSIGHT INTO THE DYNAMICS OF PTH BINDING TO THE RECEPTOR AND RECEPTOR ACTIVATION (ZHAO ET AL., SCIENCE 364(4436): 148-153). THEY ALSO PUBLISHED A PAPER ON THE ARTHROBACTER GLOBIFORMIS URICASE ENZYME, WHICH HAS POTENTIAL AS A DRUG AGAINST HYPERURICEMIA-RELATED DISEASES. DISULFIDE BOND CROSS-LINKING PROTECTED THE E NZYME FROM DEGRADATION. SUCH INTRODUCTION OF DISULFIDE BOND MAY BE A GENERAL AVENUE FOR I MPROVING THE STABILITY OF MANY MULTIMERIC PROTEINS, WHICH COULD IMPROVE THEIR VALUE IN MED ICAL USE (SHI ET AL., ACTA PHARMACOLOGICA SINICA 40: 1364-1372). THE LU AND DU LABS TOGETH ER PUBLISHED A STUDY ON THE HUMAN TRPM2 PROTEIN, WHICH IS INVOLVED IN BODY TEMPERATURE SEN SING AND IN IMMUSE RESPONSES. THEY SHOWED THE STRUCTURAL REARRANGEMENTS AND CHANNEL ACTIVATION OF TRPM2 THAT WAS INDUCED BY THE BINDING OF ADPR IN TWO SPECIFIC LOCATIONS ON THE PRO TEIN, AND INVERTEBRATES. THE STUDY PROVIDES INSIGHT INTO TRPM2 ACTIVATION AND ITS PHARMACOLOGICA L PROPERTIES (HUANG ET AL., ELIFE 8: E50175). THE HABA LAB MADE PROGRESS IN ITS WORK ON DI AGNOSTICS AND BIOMARKER OF PANCREATIC CANCER. THEY VALUDATED THAT A GLYCAN CALLED STRA WAS A BETTER BIOMARKER OF PANCREATIC CANCER. THEY VALUDATED THAT A GLYCAN CALLED STRA WAS A BETTER BIOMARKER OF PANCREATIC DUCTAL ADENOCARGINOMA THAN THE TRADITIONAL BIOMARKER, C A19-9. IN TWO PANELS, ONE FOR SPECIFICITY AND ONE FOR SENSITIVITY, STRA WAS STATISTICALLY BETTER THAN CA19-9 IN BOTH. THIS WORK MAY IMPROVE DIFF

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FORM 990, PART III, LINE 4A	DER ALLOWS HIGH-THROUGHPUT, RIGOROUS ANALYSES OF WHOLE-SLIDE, MULTIMARKER DATA (BARNETT ET AL., AMERICAN JOURNAL OF PATHOLOGY 189(7): 1402-1412). THE STEENSMA LAB COAUTHORED A STUD Y SHOWING THAT THE KRAS G13D MUTATION OF THE RAS GTPASE ENZYME APPEARS IN 25% OF KRAS-DRIV EN COLORECTAL CANCERS, BUT THAT MUTATION IS FOUND ONLY RARELY IN HRAS OR NRAS FORMS. THE K RAS G13D DESTABILIZES THE ENZYME'S NUCLEOTIDE-BINDING POCKET. THESE RESULTS IN PART EXPLAI N THE HIGHER FREQUENCY OF THE G13D MUTANT IN KRAS OVER THE OTHER ISOFORMS OF RAS (JOHNSON ET AL., CELL REPORTS 28(6): 1538-1550.E7). THE KRAWCZYK LAB PUBLISHED A REVIEW OF THE CURR ENT UNDERSTANDING OF EPIGENETIC REGULATION OF DENDRITIC CELL FUNCTION. DENDRITIC CELLS ARE A KEY PART OF THE INNATE IMMUNE SYSTEM, AND EPIGENETIC MECHANISMS CONTRIBUTE TO THE HEALT H OF DENDRITIC CELLS AND ARE IMPORTANT FOR THEIR PRECISE RESPONSE TO STIMULI. ENVIRONMENTA L FACTORS SUCH AS CHEMICALS, NUTRIENTS, AND AGING HAVE EFFECTS ON THE EPIGENOME OF DENDRIT IC CELLS AND SO AFFECT THE REGULATION OF HOST IMMUNITY (BOUKHALED ET AL., FRONTIERS IN IMM UNOLOGY 10: 1119). RUSSELL JONES' LAB COAUTHORED A PAPER REPORTING ON A CONNECTION BETWEEN THE METABOLIC ACTIVITY OF IMMUNE CELLS AND DISEASE. THEY MEASURED GLYCOLYSIS AND OXYGEN C ONSUMPTION RATE IN B CELLS FROM PATIENTS WHO HAD A PRIMARY ANTIBODY DEFICIENCY. THE HIGHES T OXYGEN CONSUMPTION WAS FOUND IN THREE PATIENTS WHO HAD PERSISTENT POLYCLONAL B CELL LYMP HOCYTOSIS. THE STUDY FOUND THAT MUTATIONS IN THE SDHA GENE ACTIVATED A PATHWAY THAT ENDED WITH PRODUCTION OF INFLAMMATORY CYTOKINES AND THAT BLOCKING IL-6 COULD PREVENT SYSTEMIC IN FLAMMATION AND LESSEN CLINICAL DISEASE (BURGENER ET AL., NATURE IMMUNOLOGY 20(10): 1311-13 21).

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FORM 990, PART III, LINE 4B	LINE 4B - PROGRAM SERVICE ACTIVITY #2 CENTER FOR EPIGENETICS THE CENTER, ESTABLISHED IN 20 14 AND DIRECTED BY ANDREW POSPISILIK, Ph.D., COMPRISES 11 LABORATORIES STUDYING EPIGENETIC S, EPIGENOMICS, AND THE ROLE OF EPIGENETIC DYSFUNCTION IN CANCER, NEURODEGENERATIVE DISEASE, CARDIOVASCULAR DISEASE, AND VIRAL TRANSCRIPTION. NEW GRANT AWARDS IN THIS FISCAL YEAR F OR CENTER RESEARCHERS AND TRAINEES INCLUDED TWO R01S AND AN R50 FROM THE NATIONAL INSTITUTE SO F HEALTH, AS WELL AS A POSTDOCTORAL F32 AND A PRE-DOCCTORAL FELLOWSHIP. TWO NIH GRANTS UB-AWARDS WERE ALSO RECEIVED. THE VAN ANDEL INSTITUTE-STAND UP TO CANCER EPIGENETICS DREAM TEAM, LED BY PETER JONES AND STEPHEN BAYLIN, CONTINUED IN 2019 WITH ITS AIMS OF DEVELOPIN G NEW COMBINATION THERAPIES TO COMBAT CANCER AND MOVING PROMISING THERAPIES INTO CLINICAL TRIALS. THE TEAM FOCUSES ON EPIGENETIC MECHANISMS IN CELLS, WHICH HELP CONTROL WHETHER GEN ES ARE TURNED ON OR OFF WITHOUT CHANGING THE DNA SEQUENCE ITSELF. THIS IS DONE PRIMARILY B Y THE ADDITION OR REMOVAL OF METHYL GROUPS TO THE DNA OR ADDITION/REMOVAL OF METHYL OR ACE TYL GROUPS FROM THE HISTONE PROTEINS AROUND WHICH THE DNA WRAPS. THE ROTHBART LAB REPORTED THAT THE UHRET PROTEIN FUNCTIONS AS A CHROMATIN READER TO MAINTAIN CANCER-SPECIFIC DNA ME THYLATION IN HUMAN COLORECTAL CANCER CELLS. DISRUPTING THAT ACTIVITY REVERSES DNA HYPERMET HYLATION, REACTIVATES EPIGENETICALLY SILENCED TUMOR SUPPRESSOR GENES, AND REDUCES CANCER C ELL ONCOGENIC PROPERTIES. THIS RESULT SUGGESTS THE TARGETING OF THIS PROTEIN MAY BE RELEVAN TI IN DEVELOPING THEREPOLIT CAGENTS THAT DEMETHYLATE DNA (KONG ET AL., CANCER CELL 36(4): 633-649. THE LYSINE METHYLATION SIGNALING (CORNETT ET AL., SCIENCE OF ASUBSTRA TE OR TARGET PROTEOME. THE STUDY DEMONSTRATED THE PROTEINING PRIOR KNOWLEDGE OF A SUBSTRA TE OR TARGET PROTEOME. THE STUDY DEMONSTRATED THE PROTEINING PRIOR KNOWLEDGE OF HAS SHEELE CHIVITY OF THE LYSINE METHYLATION SIGNALING (CORNETT ET AL., SCIENCE ADVANCES 4(11): EAAV2623). IN ANOTHER PAPER, THE SRA FINGER LOOP WAS DIBNIFIED AS A

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FORM 990, PART III, LINE 4B	SEASON OF CONCEPTION. BASED ON THE RESULTS, THEY PROPOSE THAT THE IMPRINTING OF THIS DMR I S "TUNABLE" IN BEING ASSOCIATED WITH MATERNAL HAPLOTYPE AND PRENATAL ENVIRONMENT, PROVIDIN G A POSSIBLE MECHANISM FOR TRANSMITTING INFORMATION FROM MOTHER TO CHILD (CARPENTER ET AL. PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES U.S.A. 115(51): E11970-E11977). THE LAB ALSO PUBLISHED A REVIEW OF EPIGENETIC THERAPY IN IMMUNO-ONCOLOGY. INHIBITORS OF DNA METHYL ATION HAVE BECOME A MAINSTAY TREATMENT FOR BLOOD CANCERS. SUCH INHIBITORS CAUSE CELLS TO M OUNT AN INNATE IMMUNE RESPONSE, AND OTHER EPIGENETIC INHIBITORS CAN PRODUCE SIMILAR EFFECT S. THESE DEVELOPMENTS OPEN NEW AVENUES FOR THE TREATMENT OF CANCERS (JONES ET AL., NATURE REVIEWS CANCER 19: 151-161). THE PFEIFER LAB QUANTIFIED DNA CYTOSINE MODIFICATIONS IN DIFF ERENTIATING NEURONS ISOLATED FROM MOUSE BRAIN AT THE PEAK OF EMBRYONIC NEUROGENESIS. LOCAL DNA REGIONS HAVING LITTLE METHYLATION (HYPOMETHYLATION) WERE MUCH MORE COMMON THAN HYPERM ETHYLATION. THE HYPOMETHYLATED REGIONS STRONGLY OVERLAPPED WITH THE BINDING SITES OF THE K EY NEURONAL TRANSCRIPTION FACTOR NEUROD2. THESE DATA SUGGEST A CRUCIAL ROLE FOR NEUROD2 DU RING NEUROND DEVELOPMENT, AND THE STUDY IS A STEP TOWARD AN EFFECTIVE APPROACH TO CONVERTIN G OTHER CELL TYPES INTO NEURONS FOR USE IN REGENERATIVE MEDICINE (HAHN ET AL., SCIENCE ADV ANCES 5(10): EAAXO880). THE PFEIFER AND SZABO LABS PUBLISHED A STUDY IN WHICH THE CATALYTI C DOMAIN OF EITHER THE EHMT2 OR THE SETDBI METHYLTRANSFERASE ENZYME WAS DELETED IN GROWING OOCYTES. THE DELETIONS SIGNIFICANTLY REDUCED H3K9ME2 OR H3K9ME3, RESPECTIVELY, IN THE MAT ERNAL PRONUCLEUS. THE ASYMMETRY OF GLOBAL 5MC OXIDATION WAS SIGNIFICANTLY LESS IN THE ZYGO TES HAVING MATERNAL MUTATION IN EHMT2 OR SETD1. THESE ENZYMES SEEM TO HAVE ROLES IN THE ST RUCTURAL ASPECTS OF ZYGOTE DEVELOPMENT (ZENG ET AL., PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES U.S.A. 116(22): 10834-10841). A STUDY FROM THE JOVINGE LAB ON GENE EXPRESSION A NALYSIS REVEALED THAT THE MICECULAR BEACON (MB)-PO

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FORM 990, PART III, LINE 4B	ING. THE DATA SHOWED HOW VARIATIONS IN CELL CYCLE ACTIVITY SELECTIVELY PROMOTE CARDIAC CHA MBER GROWTH DURING DEVELOPMENT; REVEALED CHAMBER-SPECIFIC, CELL CYCLE-LINKED TRANSCRIPTION AL SHIFTS; AND OPEN THE WAY TO A DEEPER UNDERSTANDING OF THE ORIGINS OF CONGENITAL HEART D ISEASE (LI ET AL, DEVELOPMENT 146(12): DEV173476). THE SHEN AND LAIRD LABS JOINTLY PRODUCE D A SYSTEMATIC ANALYSIS OF THE EFFECTS OF SYNCHRONIZING A LARGE-SCALE, DEEPLY CHARACTERIZE D, MULTI-OMIC DATA SET TO THE CURRENT HUMAN REFERENCE GENOME. THE HG19 AND HG38 CANCER GEN OME ATLAS DATA SETS ARE VERY HIGHLY CONCORDANT AND PROVIDE A RUBRIC THAT ENCOURAGES SIMILA R COMPARISONS AS NEW DATA EMERGE AND AS THE REFERENCE DATA EVOLVE (GAO ET AL., CELL SYSTEM S 9(1): 24-34.E10). THEY ALSO PUBLISHED A STUDY USING DNA METHYLATION PROFILING TO DIFFERE NTIATE MALIGNANT LUNG TUMORS FROM BENIGN SOLITARY PULMONARY NODULES, WHICH REQUIRES BETTER NON-INVASIVE DIAGNOSTIC TOOLS. THE RESEARCH RESULTED IN A SENSITIVE, BLOOD-BASED, NON?INV ASIVE DIAGNOSTIC ASSAY FOR DETECTING EARLY-STAGE LUNG CANCER AND FOR DIFFERENTIATING LUNG CANCERS FROM BENIGN PULMONARY NODULES (LIANG ET AL., THERANOSTICS 9(7): 2056-2070). THE LA IRD LAB PRODUCED A VIDEO SHOWING HOW BOTH TIGHT REPRESSION AND ROBUST UP-REGULATION ARE PO SSIBLE THROUGH REVERSIBLE, TUNABLE REMOTE-CONTROL SYSTEM THEY DEVELOPED, WHICH CAN BE APPL IED AND WITHDRAWN REPEATEDLY IN ORGANISMS. THE SYSTEM USES ENHANCED LAC REPRESSION AND TET ACTIVATION SYSTEMS TO MANIPULATE A TARGET GENE WITHIN A BIOLOGICAL SYSTEM (VANDER SCHAAF ET AL., JOURNAL OF VISUALIZED EXPERIMENTS 145). THE SHEN LAB COLLABORATED IN A STUDY OF AR ID14, A PROTEIN INVOLVED IN CHROMATIN REMODELING AND A FACTOR IN ENDOMETRIAL CANCER. THE A UTHORS PROPOSE THAT ARID1A NORMALLY MAINTAINS ENDOMETRIAL EPITHELIAL TRANSDIFFERENTIATION AND COLLECT IVE INVASION. THESE FINDINGS SUPPORT A ROLE FOR COLLECTIVE EPITHELIAL INVASION IN THE SPRE AD OF ABNORMAL ENDOMETRIAL TISSUE (WILSON ET AL., NATURE COMMUNICATIONS 10: 3554).

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FORM 990, PART III, LINE 4B (CONT.)	LINE 4B - PROGRAM SERVICE ACTIVITY #2 CENTER FOR EPIGENETICS THE TRICHE LAB TOOK PART IN SEVERAL PROJECTS, TWO FOCUSING ON CANCER RESEARCH. ONE WAS A STUDY OF MITOCHONDRIAL DNA MUTATIONS IN PEDIATRIC CANCERS. THE RESEARCH IDENTIFIED 391 MITOCHONDRIAL DNA MUTATIONS IN 284 TUMORS, INCLUDING 45 LOSS-OF-FUNCTION MUTATIONS THAT CLUSTERED AT FOUR HOTSPOTS IN THE MT-COX3, MT-ND4, AND MT-ND5 GENES. THESE RESULTS SUGGEST THAT MITOCHONDRIAL DNA MUTATIONS PLAY A ROLE IN THE DEVELOPMENT AND PROGRESSION OF PEDIATRIC CANCERS (TRISKA ET AL., CANCER RESEARCH 79(7): 1318-1330). A SECOND STUDY LOOKED AT DNA METHYLATION IN LONG-TERM SURVIVORS OF ADOLESCENT/YOUNG ADULT HODGKIN LYMPHOMA AND THEIR UNAFFECTED TWINS. EPIGENETIC AGING AS MEASURED BY DNA METHYLATION WAS CALCULATED AND COMPARED BETWEEN THE SURVIVORS AND THE TWIN. DIFFERENTIALLY METHYLATED LOCI IN BLOOD DNA, WHICH SUGGESTS PERSISTENT EPIGENETIC AGING IN THE SURVIVORS LONG AFTER THE HODGKIN LYMPHOMA WAS CURED (WANG ET AL., LEUKEMIA AND LYMPHOMA 60(6): 1429-1437). SENESCENCE, A STATE OF PERMANENT CELL CYCLE ARREST, IS NOW RECOGNIZED TO OCCUR IN STEM CELLS. IN A THIRD PAPER COAUTHORED BY THE TRICHE LAB, WHOLE-GENOME DNA SEQUENCING WAS DONE ON PAIRED SENESCENT AND ACTIVE HUMAN HEMATOPOLETIC STEM CELLS FROM HEALTHY SUBJECTS. SENESCENT CELLS HAD HYPOMETHYLATED REGIONS IN THE GENOME THAT HAD MORE TRANSPOSABLE ELEMENTS. THIS IS THE FIRST STUDY THAT CHARACTERIZES THE DNA METHYLATION PATTERNS OF SENESCENT HUMAN HEMSPOS (CAPONE ET AL., EXPERIMENTAL HEMATOLOGY AND ONCOLOGY 7: 32). AMONG SEVERAL PAPERS COAUTHORED BY KIAOBING SHI'S LAB, ONE STUDIED THE INTERPLAY BETWEEN THE ARGININE METHYLTRANSFERASES PRMT5 AND PRMT1, WHICH ADD A METHYL GROUP TO CERTAIN PROTEINS. THEY FOUND THAT A COMBINATION OF INHIBITORS AGAINST PRMT5 AND PRMT1 HAD A BENEFICIAL EFFECT ON SMALL-CELL LUNG CANCER AND PANCEATIC CANCER CELL MODELS. THE RESULTS SHOW A REDUNDANCY BETWEEN THE ARGININE METHYLTRANSFERASES PRMT5 AND PRMT1, WHICH ADD A METHYL GROUP TO CERTAIN PROTEINS. THEY FOUND THAT A COMBINATION OF INHIBITORS

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FORM 990, PART III, LINE 4C	LINE 4C - PROGRAM SERVICE ACTIVITY #3 CENTER FOR NEURODEGENERATIVE SCIENCE THE CENTER WAS ESTABLISHED IN 2012 UNDER PATRIK BRUNDIN, M.D., PH.D., WHO IS ALSO ASSOCIATE DIRECTOR OF V ARI. IN 2019, IT HAD NINE LABORATORIES STUDYING PARKINSON'S DISEASE, ALZ.HEIMER'S DISEASE, PRIONS, AND THE RELATIONSHIPS BETWEEN DEPRESSION, SUICIDE, AND BRAIN INFLAMMATION. THE NEW EST LABORATORY, THAT OF HONG-YUAN CHU, PH.D., FOCUSES ON NEURAL CIRCUITS AND NEURODEGENERA TION. CENTER RESEARCHERS AND TRAINEES DURING THIS FISCAL YEAR RECEIVED TWO R015, TWO R215, AND A U01 GRANT FROM THE NATIONAL INSTITUTES OF HEALTH, AND AWARDS FROM THE FARMER FAMILY FOUNDATION, THE MICHAEL J. FOX FOUNDATION, AND THE CREUTZFELDT-JAKOB DISEASE FOUNDATION. A POSTDOCTORAL FELLOWSHIP WAS RECEIVED FROM THE AMERICAN PARKINSON DISEASE ASSOCIATION, AN D TWO NEW RESEARCH CONTRACTS WERE SIGNED. THE COETZEE LAB PUBLISHED A STUDY OF 19 (OF 142) BREAST CANCER GENE RISK LOCI THAT ARE LIKELY TO FUNCTION IN THE MCF-7 BREAST CANCER CELL LINE AND ARE SUITED FOR TARGETED MANIPULATION. HOWEVER, THE RISK LOCI CANNOT BE MAPPED TO SPECIFIC CTCF BINDING SITES, AND THE GENES LINKED TO RISK SITES DID NOT SHOW FUNCTIONAL EN RICHMENT. THE IDENTITY OF THESE RISK ENHANCERS AND THER ASSOCIATED GENES SUGGESTS THAT SO ME RISK MAY FUNCTION DURING LATER STRAGES OF CANCER PROGRESSION (BOOMS ET AL., CANCER EPIDE MIOLOGY, BIOMARKERS AND PREVENTION 28(10): 1735-1745). THE LAB ALSO PUBLISHED A FUNCTIONAL ANALYSIS AND FINE MAPPING OF THE 9P22.2 CHROMOSOME AND ITS RELATIONSHIP TO AN OVARIAN CAN CER SUSCEPTIBILITY LOCUS. THE BING FINE MAS ESTABLISHED AS THE MOST LIKELY TARGET GENE. THE STUDY UNCOVERED A COMPREHENSIVE REGULATORY LANDSCAPE AT 9P22.2 AND SUGGESTS A LIKELY MECHANISM FOR AN INDIVIDUAL'S SUSCEPTIBILITY TO OVARIAN CANCER (BUCKLEY ET AL., CANCER RESEAR CH 79(3): 467-481). THE PATRIK BRUNDIN AND THE MA LABS STUDIED THE "ENGRAILEDI" GENE AND I TS EFFECT ON ALPHASYNUCLEIN AGGREGATION IN NEURONS. EN1(+-) MICE INJECTED WITH SYNUCLEIN FIBRILS HAD A NEARLY THREEFOLD INCREASES IN THE AMYGDALA

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FORM 990, PART III, LINE 4C	NG NEURONS, IS ACCELERATED IN ALZHEIMER'S DISEASE. THEY ALSO FOUND THAT NEURONS IN ALZHEIM ER'S DISEASE HAVE A LARGE CLUSTER OF SIGNIFICANTLY HYPOMETHYLATED ENHANCERS IN THE DSCAML1 GENE (IL ET AL., NATURE COMMUNICATIONS 10: 2246). IN ANOTHER PROJECT, THE LAB STUDIED THE DISRIPTION OF CIRCADIAN RHYTHMS, WHICH MAY INCREASE RISK FOR MALIGNANT, PSYCHIATRIC, META BOLIC, AND OTHER DISEASES. THIS STUDY SHOWED THAT OSCILLATING CYTOSINE MODIFICATIONS (OSC. MODCS) ARE FOUND IN HUMAN NEUTROPHILS, THAT THEY MAY PLAY A ROLE IN GENE REGULATION, AND THAT THEY ARE LINKED TO COMPLEX DISEASES SUCH AS CANCER. OSC. MODCS CAN ALSO EXPLAIN PARTS OF EPIGENETIC VARIATION ARE SIGNATURES OF AGING (OH ET AL., GENOME BIOLOGY 20(1): 2). THE L ABRIE AND SZAB LABS COLLABORATED ON A STUDY OF NEURONS ISOLATED FROM THE PREFRONTAL CORTEX OF PATIENTS HAVING SCHIZOPHRENIA OR BIPOLAR DISORDER. PROMINENT HYPOMETHYLATION OF AN ENHA NACER OF THE IGF2 GENE WAS FOUND IN NEURONS. THAT ENHANCER TARGETS THE NEARBY TYROSINE HYD ROXYLASG GENE, WHICH RESPONSIBLE FOR DOPAMINE SYNTHESIS. THE DATA SUGGEST THAT HYPOMETHYLA TION ACTIVATES THE ENHANCER AT IGF2, WHICH MAY INCREASE THE DOPAMINE SYNTHESIS THAT HYPOMETHYLA TION ACTIVATES THE ENHANCER AT IGF2, WHICH MAY INCREASE THE DOPAMINE SYNTHESIS THAT IN ASSOCIATED WITH MAJOR PSYCHOSIS (PAI ET AL., NATURE COMMUNICATIONS 10: 2046). THE MOORE AND M A LABS PUBLISHED RESEARCH SHOWING THAT, UNLIKE PHYSIOLOGICAL ALPHA-SYNUCLEIN, DISEASE-CAUS ING FORMS OF SYNUCLEIN AGGREGATES PREFERENTIALLY BIND TO MITOCHONDRIA AND AFFECT CELLULAR RESPIRATION. THIS INDICATES THAT MITOCHONDRIAL DYSFUNCTION HAS A ROLE IN A LPHA-SYNUCLEIN, A LEATED DISEASE, AND IT ALSO SUGGESTS AN EXPLANATION OF THE FORMATION AND THE PECULIAR MOR PHOLOGY OF LEWY BODIES (WANG ET AL., ACTA NEUROPATHOLOGICA COMMUNICATIONS 7: 41). THE MOOR E, LABRIE, AND MA LABS USED A KNOCK-IN MOUSE MODEL TO SHOW THE AGE-RELATED PATHOGENIC EFFE CTS OF A MUTATION IN THE VPS35 GENE IN PARKINSON'S DISEASE. THAT MODEL REPRODUCED KEY NEUR OPATHOLOGICAL HALLMARKS OF PD, INCLUDING PR

Return Reference	Explanation
FORM 990, PART III, LINE 4C	YPTOPHAN AND THE INFLAMMATORY MEDIATOR SAA WERE BOTH REDUCED IN PLACENTAS FROM WOMEN WITH PRE-ECLAMPSIA. THERE WAS ALSO AN INCREASED KYNURENINE/TRYPTOPHAN RATIO, BUT NO SIGNIFICANT CHANGE IN DOWNSTREAM METABOLITES (KEATON ET AL., INTERNATIONAL JOURNAL OF TRYPTOPHAN RESE ARCH 12). ANOTHER STUDY MEASURED 45 IMMUNOBIOLOGICAL FACTORS IN PERIPHERAL BLOOD AND SHOWE D THAT THE PROFILE OF PATIENTS AT INCREASED RISK OF SUICIDE DIFFERED FROM THE PROFILE ASSO CIATED WITH DEPRESSION. INCREASED INTERLEUKIN-6 AND HIGHER NUMBERS OF LYMPHOCYTES, MONOCYT ES, WHITE BLOOD CELLS, AND POLYMORPHONUCLEAR LEUKOCYTES SIGNIFICANTLY AFFECTED SUICIDE RIS K; THE LAST TWO HAD THE STRONGEST INFLUENCE. INTERLEUKIN-8 WAS INDEPENDENTLY AND NEGATIVELY ASSOCIATED WITH INCREASED SUICIDE RISK. THE SUICIDE RISK PROFILE INDICATED THAT GRANULOC YTE-MEDIATED BIOLOGICAL MECHANISMS COULD BE ACTIVATED IN THOSE PATIENTS (KEATON ET AL., JO URNAL OF AFFECTIVE DISORDERS 247: 57-65). THE LAB ALSO COLLABORATED ON A THIRD PAPER STUDY ING BLOOD LEVELS OF INTERLEUKIN-6 (IL-6), 2-ARACHIDONOYLGLYCEROL (2-AG), AND PICOLINIC ACI D (PIC) IN PERSONS HAVING A HISTORY OF MOOD, ANXIETY, OR PERSONALITY DISORDERS AND IN CONT ROL SUBJECTS. THE STUDY SHOWED SIGNIFICANT ASSOCIATIONS BETWEEN IL-6 LEVEL AND PLASMA 2-AG AND PIC ACROSS ALL SUBJECTS. THE DATA PROVIDE EVIDENCE OF INTERPLAY BETWEEN THESE MOLECULES AND SUGGEST THAT THESE FACTORS INFLUENCE PERSONALITY TRAITS (HEILMAN ET AL., PSYCHONEUR OENDOCRINOLOGY 110: 104434). THE GUERREIRO AND BRAS LABS PUBLISHED A STUDY OF A SEVERE, AD ULT-ONSET, FAMILIAL DEGENERATIVE BRAIN DISEASE KNOWN AS HDLS-S. THEIR RECENT ASSESSMENT OF SEVERAL FAMILY MEMBERS AND DNA SEQUENCING ANALYSES SHOWED THAT THE P.CYS152PHE VARIANT IN THE AARS (ALANYL TRNA SYNTHETASE) GENE IS THE PROBABLE CAUSE OF THIS DISEASE. THE STUDY I DENTIFIES AARS AS A TARGET FOR RESEARCH INTO DEVELOPING A THERAPY FOR THIS DISEASE (SUNDAL ET AL., ACTA NEUROPATHOLOGICA COMMUNICATIONS 7: 188).

Return Explanation

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FORM 990,	FUNDRAISING EXPENSES AT VARI WERE INCURRED TO SUPPORT THE MISSION OF THE RESEARCH INSTITUTE
PART IX,	THROUGH DONOR SOLICITATION, GRANT SOLICITATION AND EXTRAMURAL PROPOSAL PREPARATION.
COLUMN D	

Return Explanation

Kelelelice	
FORM 990,	VARI NET ASSETS ARE CONSIDERED ON A CONSOLIDATED BASIS WITH VAN ANDEL INSTITUTE (VAI)AND VAN ANDEL
PART X.	EDUCATION INSTITUTE (VAEI), ON A CONSOLIDATED BASIS, NET ASSETS ARE \$1,576,560,000 PER AUDITED FINANCIAL

PART X,
LINE 33

EDUCATION INSTITUTE (VAEI). ON A CONSOLIDATED BASIS, NET ASSETS ARE \$1,576,560,000 PER AUDITED FINANCIAL
STATEMENTS. THE NEGATIVE NET ASSET BALANCE AT VARI IS DUE TO VAI FUNDING EXPENSES ON A CASH BASIS
AND THE UNREALIZED LOSS RECORDED IN ASSOCIATION WITH THE INTEREST RATE SWAP

efile GRAPHIC print - DO NOT PROCESS **SCHEDULE R** 

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

(Form 990)

Department of the Treasury

Internal Revenue Service

As Filed Data -

#### **Related Organizations and Unrelated Partnerships**

▶ Complete if the organization answered "Yes" on Form 990, Part IV, line 33, 34, 35b, 36, or 37. ▶ Attach to Form 990.

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

DLN: 93493283016240 OMB No. 1545-0047

Open to Public Inspection

Schedule R (Form 990) 2018

Name of the organization VAN ANDEL RESEARCH INSTITUTE	Employer identification number						
VAN ANDEL RESEARCH INSTITUTE				52-2000823			
Part I Identification of Disregarded Entities Complete if the	he organization answer	ed "Yes" on Form	990, Part IV, line 3	3.			
(a) Name, address, and EIN (if applicable) of disregarded entity	<b>(b)</b> Primary activity	(c) Legal domicile (st or foreign countr		(e) End-of-year assets	(f) Direct controlling entity		
(1) VAI INNOVATIONS LLC 333 BOSTWICK AVENUE NE GRAND RAPIDS, MI 495032518 52-2000823	LICENSING INTELLECTUA PROPERTY OF VARI	L MI	0	0	VAN ANDEL RESEARCH INSTITU		_
(2) BOSTWICK EVENT MANAGEMENT 333 BOSTWICK AVENUE NE GRAND RAPIDS, MI 495032518 52-2000823	EVENT MANAGEMENT	MI	34,867	118,738	VAN ANDEL RESEARCH INS	TITUTE	
							-
Part II Identification of Related Tax-Exempt Organizations	<b>s</b> Complete if the organ	ization answered "	Yes" on Form 990,	Part IV, line 34 b	ecause it had one or	more	- 
related tax-exempt organizations during the tax year.  (a)  Name, address, and EIN of related organization	<b>(b)</b> Primary activity	(c) Legal domicile (state or foreign country)	(d) Exempt Code section	(e) Public charity status (if section 501(c)(3))	<b>(f)</b> Direct controlling entity	Section (13) co	
						Yes	No
	SUPPORTING ORGANIZATION OR VARI AND VAEI	MI	501(C)(3)	12C			No
GRAND RAPIDS, MI 495032518 52-2000820					N/A		
	PERATING A SCIENCE DUCATION PROGRAM	MI	501(C)(3)	2	VAN ANDEL INSTITUTE	Yes	
GRAND RAPIDS, MI 495032518 52-2000824							
	PPERATING A GRADUATE CHOOL	MI	501(C)(3)	2	VAN ANDEL EDUCATION INSTITUTE	Yes	
GRAND RAPIDS, ME 495032518 20-3340886							

Cat. No. 50135Y

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>(b)</b> Primary activity		(d) Direct controlling entity	Direct Predomina controlling income(rela		ated, total income ed, from er		Share of Dispropo d-of-year allocat		(i) Code V-UBI amount in box 20 of Schedule K-1 (Form 1065)	Gene mana part	ral or   P aging   c	<b>(k)</b> ercentage wnership
					514)				Yes	No		Yes	No	
						_								
Part IV Identification of Related Organizati because it had one or more related organizati (a)		a corporatio				ır.	ation answ	ered "Yes	" on Fo	orm 9:	90, Part IV,		34	(i)
Name, address, and EIN of related organization	Primary activity	Le don	gal nicile r foreign	Dire	ct controlling	Type (C corp		Share of total income		of end- year assets		ntage	(13)	ion 512(b) controlled entity?
			ntry)										Ye	
											Sahadula B	<b>( -</b>	000)	2010

chedule R (Form 990) 2018					Pa	ge <b>3</b>
Part V Transactions With Related Organizations Complete if the organization answered "Ye	s" on Form 990, Pai	rt IV, line 34, 35b	, or 36.			
Note. Complete line 1 if any entity is listed in Parts II, III, or IV of this schedule.					Yes	No
1 During the tax year, did the orgranization engage in any of the following transactions with one or more related	l organizations listed ir	n Parts II-IV?				
a Receipt of (i) interest, (ii) annuities, (iii) royalties, or(iv) rent from a controlled entity				1a		No
<b>b</b> Gift, grant, or capital contribution to related organization(s)				<b>1</b> b		No
c Gift, grant, or capital contribution from related organization(s)				1c	Yes	
<b>d</b> Loans or loan guarantees to or for related organization(s)				<b>1</b> d		No
e Loans or loan guarantees by related organization(s)				1e	Yes	
f Dividends from related organization(s)				1f		No
g Sale of assets to related organization(s)				<b>1</b> g		No
h Purchase of assets from related organization(s)				1h		No
i Exchange of assets with related organization(s)				1i		No
${f j}$ Lease of facilities, equipment, or other assets to related organization(s)				1j		No
k Lease of facilities, equipment, or other assets from related organization(s)				1k		No
I Performance of services or membership or fundraising solicitations for related organization(s)				11		No
m Performance of services or membership or fundraising solicitations by related organization(s)				1m		No
n Sharing of facilities, equipment, mailing lists, or other assets with related organization(s)				1n	Yes	
o Sharing of paid employees with related organization(s)				10	Yes	
p Reimbursement paid to related organization(s) for expenses				<b>1</b> p	Yes	
<b>q</b> Reimbursement paid by related organization(s) for expenses				<b>1</b> q	Yes	
${f r}$ Other transfer of cash or property to related organization(s)				1r		No
${f s}$ Other transfer of cash or property from related organization(s)				1s		No
2 If the answer to any of the above is "Yes," see the instructions for information on who must complete this li	ne, including covered i	elationships and tra	nsaction thresholds.			
ee Additional Data Table			T			
(a) Name of related organization	(b) Transaction type (a-s)	(c) Amount involved	(d) Method of determining ar	mount ir	nvolved	

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

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

(a) Name, address, and EIN of entity	<b>(b)</b> Primary activity	domicile	(d) Predominant income (related, unrelated, excluded from tax under sections 512-514)	10	(e) e all partners section 501(c)(3) ganizations?	(f) Share of total income	(g) Share of end-of-year assets	(h) Disproprtiona allocations?	ı	(i) Code V-UBI amount in box 20 of Schedule K-1 (Form 1065)		,	<b>(k)</b> Percentage ownership
			314)	Yes	No			Yes	No		Yes	No	
										Schedul	e R (Form	990	0) 2018

chedule R (Form 990) 2018							
Part VII Supplemental Information							
Provide additional information for responses to questions on Schedule R (see instructions).							
Retu	rn Reference	Explanation					

#### **Additional Data**

(13)

(14)

(15)

(16)

(17)

(18)

(19)

**Software ID: Software Version:** 

**EIN:** 52-2000823

Name: VAN ANDEL RESEARCH INSTITUTE

Form 990, Schedule F	R, Part V - Transac	tions With Relate	ed Organizations	

	Name of related organization	Transaction type(a-s)	Amount Involved	(d) Method of determining amount involved
(1)	VAN ANDEL INSTITUTE	С	49,750,429	ACTUAL AMOUNT PAID
(1)	VAN ANDEL INSTITUTE	E	71,320,000	TOTAL RECORDED
(2)	VAN ANDEL INSTITUTE	N	287,419	ALLOCATION BASED ON SQ. FOOTAGE
(3)	VAN ANDEL INSTITUTE	Р	1,210,302	ACTUAL AMOUNT PAID
(4)	VAN ANDEL INSTITUTE	N	198,021	ALLOCATION BASED ON EFFORT
(5)	VAN ANDEL INSTITUTE	0	1,132,338	ALLOCATION BASED ON EFFORT
(6)	VAN ANDEL EDUCATION INSTITUTE	Р	613,371	ACTUAL AMOUNT PAID
(7)	VAN ANDEL EDUCATION INSTITUTE	Q	1,826,197	ACTUAL AMOUNT RECEIVED
(8)	VAN ANDEL EDUCATION INSTITUTE	N	49,968	ALLOCATION BASED ON EFFORT
(9)	VAN ANDEL EDUCATION INSTITUTE	0	285,730	ALLOCATION BASED ON EFFORT
(10)	VAN ANDEL INSTITUTE GRADUATE SCHOOL	N	24,059	ALLOCATION BASED ON EFFORT
(11)	VAN ANDEL INSTITUTE GRADUATE SCHOOL	N	161,673	ALLOCATION BASED ON SQ. FOOTAGE
(12)	VAN ANDEL INSTITUTE GRADUATE SCHOOL	Q	240,798	ACTUAL AMOUNT RECEIVED

(b)

0

Q

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Ρ

0

0

0

(c)

137,574

7,023,320

4,137,107

580,000

135,811

135,811

85,418

ALLOCATION BASED ON EFFORT

ALLOCATION BASED ON EFFORT

ALLOCATION BASED ON EFFORT

ALLOCATION BASED ON EFFORT

ACTUAL AMOUNT PAID

ACTUAL AMOUNT PAID

TOTAL RECORDED

# (a)

VAN ANDEL INSTITUTE GRADUATE SCHOOL

VAN ANDEL INSTITUTE GRADUATE SCHOOL

VAN ANDEL INSTITUTE GRADUATE SCHOOL

VAN ANDEL EDUCATION INSTITUTE

VAN ANDEL INSTITUTE

VAN ANDEL INSTITUTE

VAN ANDEL INSTITUTE